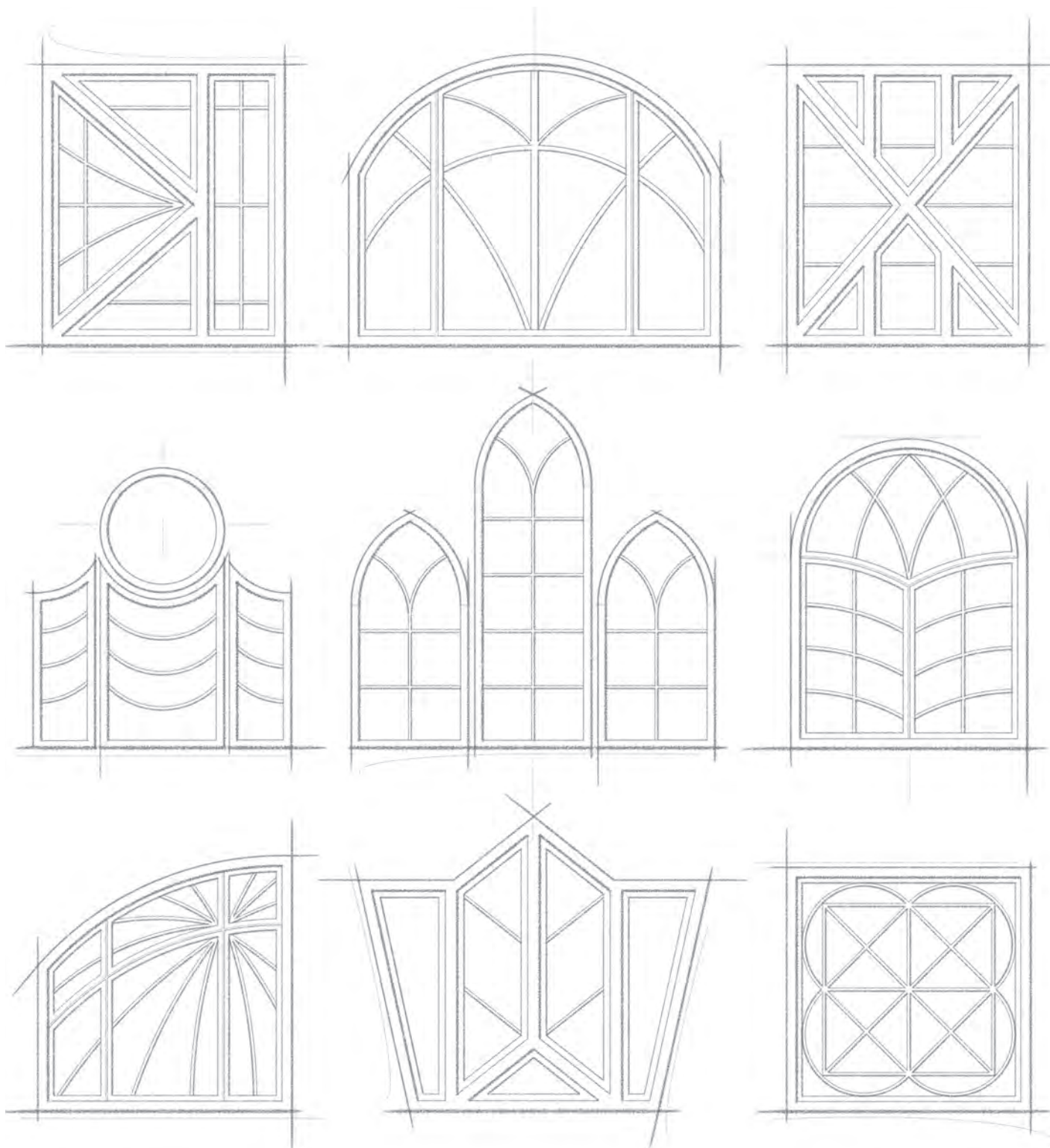


2017-18
PRODUCT GUIDE
For Professionals

Andersen®
ARCHITECTURAL
COLLECTION



E-SERIES
WINDOWS & DOORS



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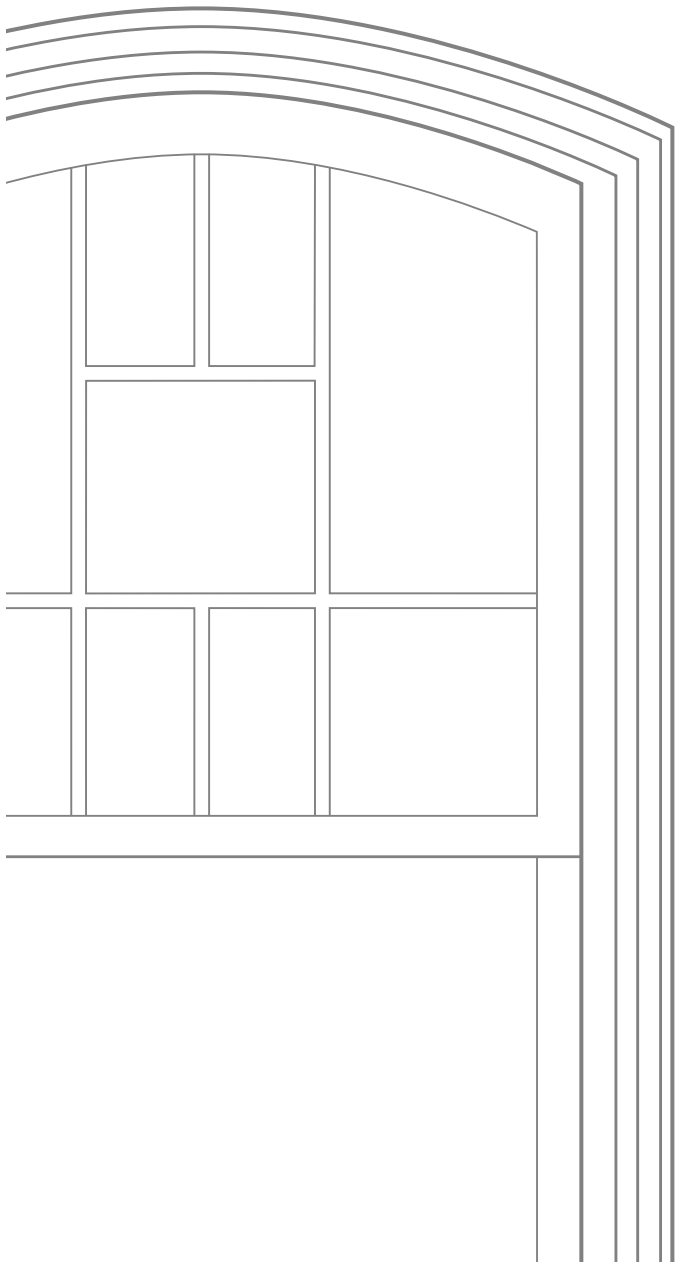




Whether you're looking for style, performance or innovation, you'll find it in the windows and doors of the Architectural Collection, the culmination of more than a century-long commitment to quality and engineering excellence.

These premiere products deliver ultimate design freedom by combining elegant craftsmanship with unlimited selection, architectural authenticity with unmatched performance, and monumental sizes with unexpected precision.

The Andersen® Architectural Collection. Windows and doors for luxury homes.



E-SERIES

WINDOWS & DOORS

Unlimited Possibilities
to Create an Original.

For unmatched flexibility and design freedom, E-Series windows and doors are made to your exact specifications.

They allow you to create custom shapes, dramatic sizes and striking combinations to set your work apart. You can choose from 50 standard exterior colors, custom colors and anodized finishes, plus a range of interior wood species and beautiful interior stains. Or, if your customers want something even more distinctive, we can source virtually any wood species they desire.

If it's possible, it's possible with E-Series windows and doors.

Made Strong

Aluminum is a distinguishing element that enables us to offer the strength, beauty, and design freedom for which E-Series products are known. Through decades of innovation, we have elevated the extruded aluminum-clad window and door category and perfected a made-to-order process that is unsurpassed. Along with our network of dedicated dealers, we fulfill the dreams and vision of builders, architects and homeowners alike.

Strength

We harness the full strength of aluminum with heavy gauge, extruded aluminum-clad wood sash and frames. Our thick cladding offers greater structural capabilities than thinner, roll-form aluminum, while providing a superior exterior finish that resists the elements of inclement weather, abrasion and impact*.

Beauty

Aluminum offers a smooth finish and versatility in design that enables us to create windows and doors with distinctive character and unparalleled beauty. It provides an essential foundation for our quality, baked-on silicone polyester finish, and it enables us to offer a broad array of unique accessory metals to create or recreate the architectural style you need. And beauty doesn't stop on the outside — we give you the design freedom you need to create a look of distinction both inside and out.

Warranty

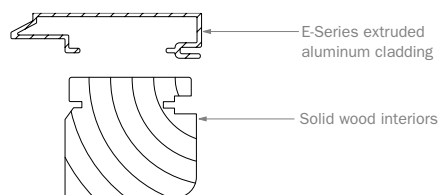
We offer a 20/10 Transferable Limited Warranty* that provides peace of mind and confidence in the beauty and performance of our products.

Versatility

Aluminum's strength and versatility allow us to offer beautiful made-to-order design solutions for practically any combination of shapes and styles you can imagine. We offer dozens of exterior accessory metals to match any architectural style, and our colorful 2-, 3- and 4-tone exteriors truly broaden your creative palette.

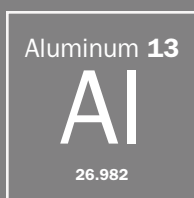
Durability

Our aluminum cladding withstands nature's toughest elements — the extrusions slide onto the wood and are secured independently, allowing both wood and aluminum to expand and contract naturally. Our products are engineered to open, close, support, swing or slide reliably day after day*.



A solid wood core and extruded aluminum cladding give E-Series windows both strength and flexibility in many design applications.

*See the limited warranty for details.



Environmental Responsibility

It is more essential than ever that we all do our part to help protect the environment. While environmental responsibility may be new to some, to us, making environmentally responsible manufacturing decisions is nothing new. We've made responsible choices in the past and will continue to strive to be responsible in the future.

Preserving Nature

To protect our natural resources, we use wood harvested from managed forests and leverage engineered wood technology whenever possible — we use finger-jointed wood and laminated veneer lumber, both of which use wood efficiently and result in superior performance. In addition, we use water-based finishes, which have less of an impact on the environment than oil-based products.

Conserving Energy

Our technology and design innovation creates greater energy efficiency in all our products. Our High-Performance Low-E4® glass provides superior thermal protection, helping significantly reduce heating and cooling requirements. Additional energy-efficient glass options include triple insulated glass and SmartSun™ glass. Combined with weathertight frames, sash and weatherstripping, E-Series windows and doors play an important role in energy conservation.



*High-Performance Low-E4 glass is up to 44% more energy efficient in winter and up to 57% more energy efficient in summer compared to ordinary dual-pane glass.**

Using Reclaimed Materials

Our cladding contains reclaimed aluminum, which requires much less energy to process than virgin aluminum. In addition, our glass utilizes reclaimed glass, which reduces landfill waste.

Reducing Waste

We recycle whenever possible — office paper, corrugated cardboard, sawdust, scrap aluminum, paints and solvents. Our electrostatic paint system attracts the paint to the aluminum, creating an efficient use of materials. And we keep packaging to a minimum to reduce jobsite waste. Packaging enhancements include frame protectors made of HDPE, a recyclable plastic.

Taking an Active Role

We work closely with the industry organizations shown to manufacture energy efficient and environmentally responsible products.



Environmental Certifications

E-Series windows and doors have received SCS Global Services (SCS) Indoor Advantage™ Gold certification for indoor air quality. Indoor air quality is an important issue because many people spend as much as 90% of their time indoors, either at home, work or school.



Eagle Window & Door Manufacturing, Inc., a subsidiary of Andersen Corporation, has received Forest Stewardship Council® (FSC®) Chain-of-Custody certification on our clad pine products. FSC Chain-of-Custody certification is awarded to companies that meet FSC standards for traceability in their wood supply chain.



*Winter and summer values are based on comparison of E-Series 3866 double-hung window U-Factor to the U-Factor for clear dual-pane glass non-metal frame default values from the 2006, 2009, 2012, 2015 and 2018 International Energy Conservation Code "Glazed Fenestration" Default Tables.
All marks where denoted are trademarks of their respective owners.



The Smartest Technology For The Smartest Homes

No one is doing more to make windows and patio doors part of today's smart home than Andersen. Andersen Connect products include patented VeriLock® wireless security sensors, which can be integrated with our hardware. These sensors not only tell you if a window or patio door is open, but also if it's locked or unlocked.* **No other sensors can do that.**

Connected Home

Now you can monitor your windows and doors when you're away from home like you can monitor your thermostat or lighting.*

Preserves Beauty

VeriLock sensors come in a variety of colors to complement many E-Series hardware and interior finishes.



BLACK STONE TAUPE GRAY WHITE

Some products feature finishes to match all hardware options.

Helps Maximize Energy Efficiency

Windows that are closed, but unlocked lose air at a rate up to **3X** that of a closed and locked window.** VeriLock sensors tell you which windows and doors are open or unlocked* so you can manage your units for maximum energy efficiency.

Maintains Warranty

Other sensors require drilling which can void warranties. Our sensors require no drilling and come with their own limited warranty.†

Quick, Easy Installation

If you already have E-Series products, VeriLock wireless security sensors can be easily integrated with the hardware.

VeriLock Sensor Hardware



E-SERIES DOUBLE-HUNG WINDOW
AVAILABLE IN ALL DOUBLE-HUNG WINDOW
HARDWARE FINISHES



E-SERIES CASEMENT/AWNING WINDOW
AVAILABLE IN ALL CASEMENT & AWNING
WINDOW HARDWARE FINISHES



E-SERIES HINGED PATIO DOOR
AVAILABLE IN ALL HINGED PATIO DOOR
HARDWARE FINISHES



E-SERIES GLIDING PATIO DOOR
BLACK | STONE | TAUPE GRAY | WHITE

For more information, visit andersenwindows.com/connect

*When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your dealer for more information.

**Based on testing of 32 A-Series double-hung windows. Air loss through unlocked windows will vary based on window type and age, pressure differential, temperatures inside and outside the home, altitude and application.

†Visit andersenwindows.com/warranty for details.



How it Works

Every E-Series window or door with VeriLock® sensor technology includes a wireless sensor with dual position detectors. The first position detector signals to the sensor* when the product is opened or closed, while a second position detector signals when a closed product is locked or unlocked.

The VeriLock sensor then communicates the product's status, in real time, to the home's monitoring system.* Homeowners can monitor their windows and doors from inside their home or remotely through a smartphone or tablet using services offered in

collaboration with leading security and self-monitoring system providers. For a list of supported system providers, visit andersenwindows.com/connect.

VeriLock sensors are battery powered by commonly available lithium coin cell batteries. Each sensor is efficiently designed to provide years of battery life,** and battery replacement is simple.

With VeriLock sensors, all it takes is a quick glance at a home's monitoring system* to know if the home is secured, day or night.

*When properly configured and maintained with a professionally installed security system compatible with Honeywell® transmitters and/or self-monitoring system. See your dealer for more information.

**Battery life refers to new, brand-name batteries and is dependent on frequency of use. The limited warranty for VeriLock® integrated security sensors does not include batteries.

Unlimited Exteriors

Color enhances your design, and we believe it shouldn't have to cost more. Start with one of our 50 exterior colors, an industry-leading modern palette available at no additional cost. Add to that our 2-, 3- and 4-tone exteriors, and set your E-Series windows and doors apart from the rest.

If your inspiration comes from an autumn leaf, a river-washed stone, a glass of fine wine, or even a classic car, we will bring it to life with our custom color capabilities. And for a look of distinction, we offer seven spectacular anodized finishes that truly shine.



Color is a vital element of every architectural style.



50 EXTERIOR COLORS
2-, 3- & 4-TONE EXTERIORS

7 ANODIZED FINISHES
CUSTOM COLORS

EXTERIOR

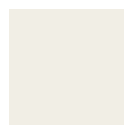
CINNAMON TOAST

50 Exterior Colors

Our exclusive line of exterior colors offers a broad spectrum of quality, baked-on, silicone polyester enamel exteriors that meet the AAMA 2604 specification. AAMA 2605 color compliance is also available.* Our limited warranty covers exteriors for 10 years against chalking and color change and 20 years against cracking, checking, peeling, flaking, blistering and loss of adhesion.**



COLONY WHITE



WHITE



ABALONE



BALSA WHITE



CANVAS



MAPLE SYRUP



HARVEST GOLD



PRAIRIE GRASS



FLAGSTONE



SANDTONE



PEBBLE TAN



CARMEL



TERRATONE



HOT CHOCOLATE



BOURBON



ACORN



COFFEE BEAN



COCOA BEAN



SIERRA BRONZE



DARK BRONZE



CLAY CANYON



RED ROCK



CARDINAL



BING CHERRY



FIRE ENGINE RED



CINNAMON TOAST



OLIVE



SAGE



BILLIARD GREEN



MOSS



FOREST GREEN



MALLARD GREEN



SPEARMINT



AQUAMARINE



PATINA



SKY BLUE



COUNTRY BLUE



BLUE DENIM



WATERCOLOR BLUE



CARIBBEAN BLUE



SLATE



MOODY BLUE



STORMY BLUE



DOVE GRAY



HARBOR MIST



YORKTOWN PEWTER



SMOKEY GRAY



MYSTIC GRAY



DARK ASH



BLACK

*AAMA 2605 finishes are available in any of our 50 colors, or select a custom color of your choice.

**See the limited warranty for details.

Printing limitations prevent exact color duplication. Please see your local dealer for actual samples.

2-, 3- & 4-tone Exteriors

With our 2-, 3- and 4-tone color combinations, the sky's the limit. Mix and match up to four of our 50 exterior colors for a combination look that's all your own.



COLORS SHOWN:
COUNTRY BLUE AND
STORMY BLUE



COLORS SHOWN:
SAGE, MOSS
AND CANVAS

7 Anodized Finishes

Choose from a spectacular selection of anodized finishes. Anodizing is a process that penetrates the aluminum like a stain penetrates wood. The result is a rich, lustrous metallic appearance that cannot peel or flake and is not affected by sunlight.* This process produces a harder, more durable finish that makes this a perfect choice for high-traffic areas in commercial or residential buildings.



BLACK



DARK BRONZE



COPPER



MEDIUM BRONZE



LIGHT BRONZE



CHAMPAGNE



CLEAR ANODIZED

Custom Colors

While our large selection of exterior colors covers a lot of ground, inspiration comes in infinite hues. Let us match a paint chip, a photograph, a favorite work of art to bring your dream color into the light of day.



*Visit andersenwindows.com/warranty for details.

Printing limitations prevent exact finish replication. Please see your local dealer for samples.



Real wood defines a room's character and creates a warm, comfortable space that leaves a lasting impression.

Unlimited Interiors

Natural wood adds character to your design. For infinite possibilities, we offer distinctive wood varieties and will source virtually any other wood species your design demands.

All of our wood selections can be finished in one of our interior stains or painted options. And with our stain-matching capabilities, you can trust us to customize a finish to meet your design needs.

DISTINCTIVE WOOD SELECTIONS
CUSTOM WOOD INTERIORS

22 INTERIOR FINISHES
CUSTOM STAINS & MATCHING

PINE

WOOD

Distinctive Wood Selections

Our distinctive woods add uncommon flair to any room. Each option has its own character, grain and staining capabilities, so you can select one that makes your windows stand out or one that blends seamlessly with your interior décor.

Custom Wood Interiors

If a unique wood species is required to complete your project, we will try to source any variety that meets our production standards and your needs.



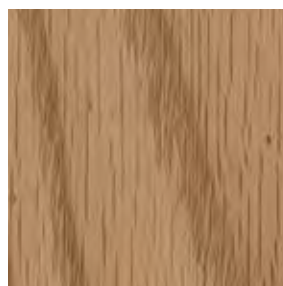
All wood components, including interior grilles, can be factory-finished to your specifications.



PINE



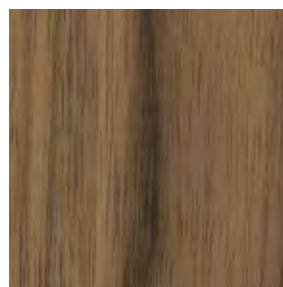
MIXED GRAIN DOUGLAS FIR



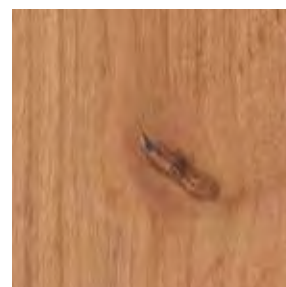
OAK



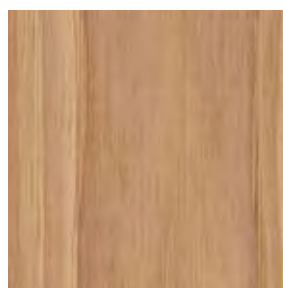
MAPLE



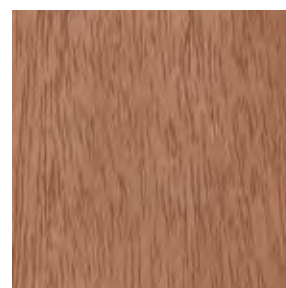
WALNUT



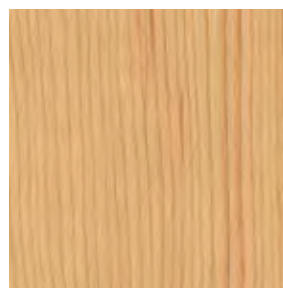
ALDER



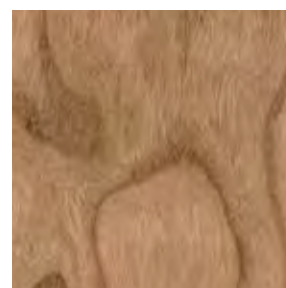
HICKORY



MAHOGANY*



VERTICAL GRAIN DOUGLAS FIR



CHERRY

*The mahogany name is representative of non-endangered African mahoganies.

Wood species shown are unfinished. Part of the beauty and character of real wood are the variations each piece has in color, density, grain structure and width. We cannot guarantee consistency in wood grain and/or color within a particular species, product or project. See your local dealer for actual wood samples.

Variety of Interior Finishes

Our high-quality, factory-applied stains offer you convenience along with beauty. Before staining, each wood component is treated with a preservative and insect repellent and dried thoroughly. We apply two coats of polyurethane for a long-lasting,* durable finish and, because every exposed edge is stained before the window is assembled, you get a complete, consistent finish. Choose from nine stain colors. If you prefer a painted interior, choose one of our painted or primed options.

Custom Stains & Matching

When only a specific tint will do, we will create one for you, matching existing woodwork, interior furnishings or other items for just the right finish to your design.

Stained Interior Options



CLEAR COAT



WHEAT



AUTUMN OAK



GOLDEN HICKORY



HONEY



CINNAMON



RUSSET

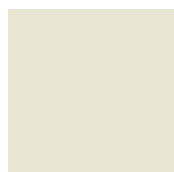


MOCHA

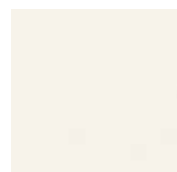


ESPRESSO

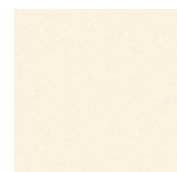
Painted Interior Options



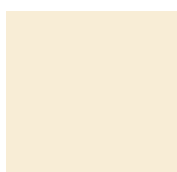
WHITE



BIRCH BARK



PRIMED



CANVAS



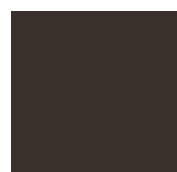
SANDTONE



TERRATONE



FOREST GREEN



DARK BRONZE



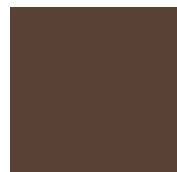
DOVE GRAY



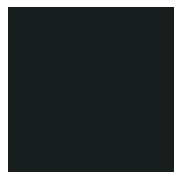
PRAIRIE GRASS



RED ROCK



COCOA BEAN



BLACK

All interior finish options are shown on pine.

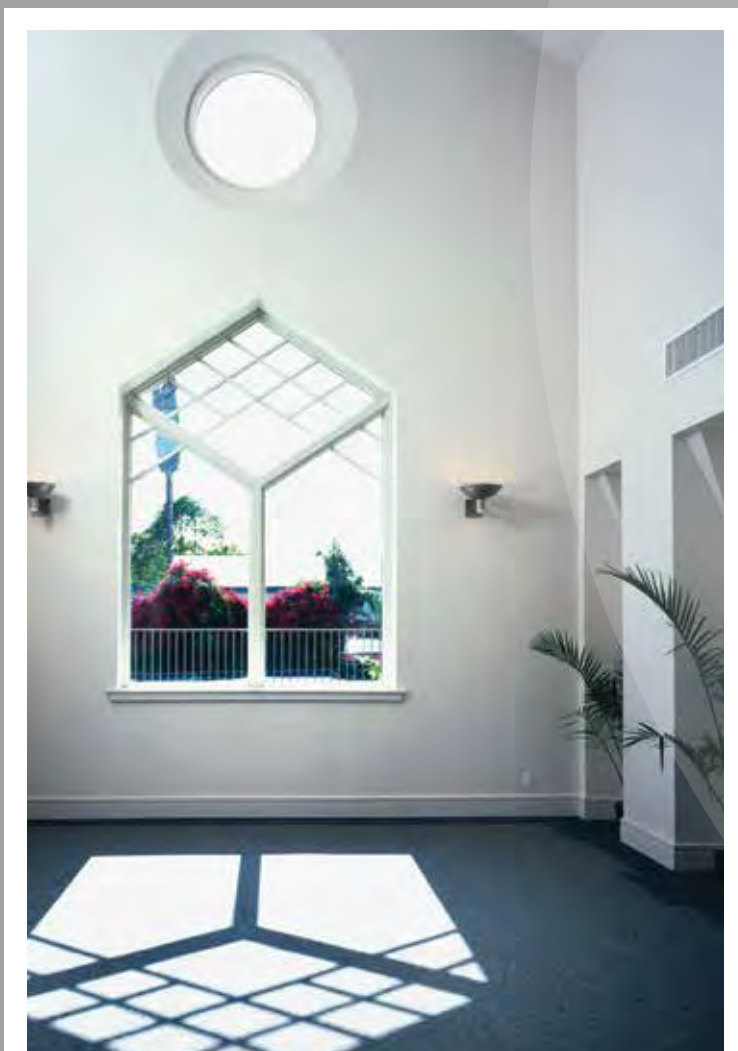
*See the limited warranty for details.

Please note that custom finishes and primed option require additional finishing. Some nail and staple holes may need to be filled prior to applying the final finish.

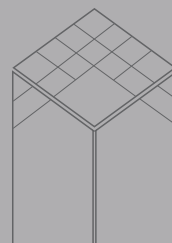
Due to printing limitations, the wood and finishes shown may differ from actual wood grain and stain colors. See your local dealer for actual samples.

Unlimited Combinations

E-Series windows and doors are made to your exact design specifications. Because we make your window or door especially for you, and since our options are virtually limitless, you have the advantage of combining shapes, sizes and styles for new construction or remodeling applications.



Unique shapes in varying combinations create focal points that become defining architectural elements.



PARTIAL EYEBROW



SHAPE

BUILDING BLOCKS**SIZING OPTIONS****REMODELING SOLUTIONS**

Building Blocks

Our complete window and door styles are your building blocks for making any architectural statement. We give you the products and the design freedom you need to create the perfect solution for your project whether residential or commercial, new construction or remodeling.

Sizing Options

We believe you shouldn't have to settle for "close enough." Our made-to-order process enables us to make your windows and doors to the specific size you need. So when you go from inspirational sketch to architectural drawing, know that we will fulfill your design needs. We provide a thorough range of sizes for most applications, and offer custom sizing anytime you need it.



Remodeling Solutions

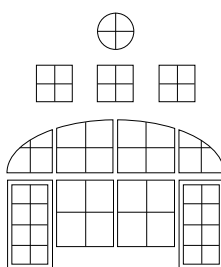
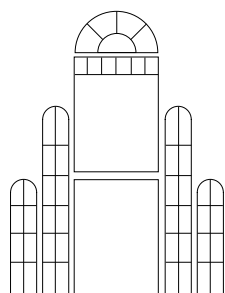
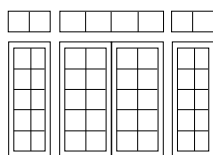
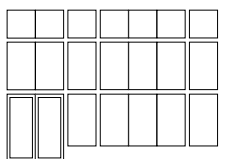
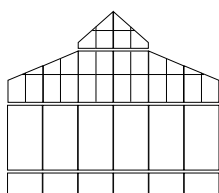
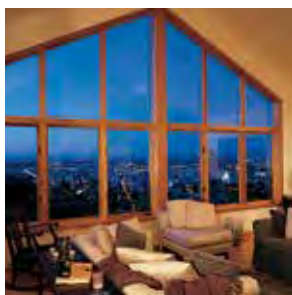
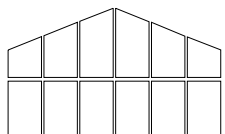
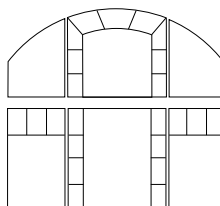
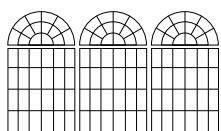
Because we offer the building blocks you need with the flexibility of made-to-order sizing, we provide the perfect solution for many remodeling projects. Use our custom sizing to fit products into existing openings. Or use our double-hung insert window giving you the ability to install our unit into an existing frame.

With unlimited design possibilities like exterior color options, interior factory-applied finishes and other custom capabilities, you may have just found the answer to your remodeling questions.



Idea Library

Let these real-world applications inspire you to start creating your design today.



Unlimited Views

Whether your design demands performance, clarity or architectural detail, we have the glass and divided light solutions to make your views spectacular. For performance needs in a variety of environments, we offer a multitude of glass options, including our High-Performance Low-E4[®] glass and our exclusive Stormwatch[®] impact-resistant product systems for severe weather conditions.*

And for visual impact, made-to-order decorative glass and grilles give you infinite possibilities, so your design will be as original as your inspiration.

E-Series grille options can recreate a classic architectural style, or be customized into your own unique design.



*See your local code official for building code requirements in your area.



7/8" FDL



GRILLE

Glass Options

We offer a multitude of glass options to meet all of your design needs. Whether you're in need of energy efficiency or resistance to harsh weather conditions, we provide the solutions for you.

Low-E4® Glass

Our standard glass option provides excellent insulation from heat and cold. Compared to ordinary dual-pane glass, High-Performance Low-E4® glass is up to 44% more energy-efficient in winter and up to 57% more efficient in summer.* Or consider Sun glass with its soft, glare-controlling tint. A removable translucent film shields glass from damage and simplifies finishing and cleaning on the jobsite.

Low-E4 SmartSun™ Glass

SmartSun™ glass combines performance with clarity — letting more light in and keeping more heat out. It blocks 95% of the sun's damaging ultraviolet rays. Enjoy the performance benefits of tinted glass without the loss of visibility.

Low-E4 PassiveSun® Glass

Great solution for colder climate zones where higher heat gain is desired. It allows a higher amount of the sun's heat to pass into the home, making it an ideal solution for passive solar applications.

HeatLock® Technology

Our HeatLock® coating can increase the energy efficiency of any E-Series window or door with Low-E4 or SmartSun glass. Applied to the room-side glass surface, it reflects heat back into the home and improves U-Factors, which can help the window or door meet ENERGY STAR® requirements.

Triple-Pane Glass

Three panes of glass combined with Low-E coatings can provide enhanced energy performance. Adding triple-pane glass to one of our products can produce a lower U-Factor than using regular dual-pane glass.

Laminated Glass

Laminated glass offers sound protection and impact resistance. It reduces unwanted outside noise, making it ideal for locations like airports and high-volume traffic areas.

Decorative & Specialty Glass

Select from our decorative glass collections found online at andersenwindows.com/artglass or combine beveled, frosted, grooved, colored or textured glass with three coming options to create your own design. Specialty glass includes tinted glass, spandrel glass and Mapes panels as well as rain, reeded and obscure glass options.

PERFORMANCE COMPARISON OF E-SERIES GLASS OPTIONS

GLASS	ENERGY		LIGHT	
	U-FACTOR	SOLAR HEAT GAIN COEFFICIENT	VISIBLE LIGHT TRANSMITTANCE	UV PROTECTION
	How well a product prevents heat from escaping.	How well a product blocks heat caused by sunlight.	How much visible light comes through a product.	How well a product blocks ultraviolet rays.
SmartSun™	● ● ● ○	● ● ● ●	● ● ● ○	● ● ● ●
SmartSun™ with HeatLock®	● ● ● ●	● ● ● ●	● ● ○ ○	● ● ● ●
Low-E4®	● ● ● ○	● ● ● ○	● ● ● ○	● ● ● ○
Low-E4® with HeatLock®	● ● ● ●	● ● ● ○	● ● ● ○	● ● ● ○
Sun	● ● ● ○	● ● ● ●	● ○ ○ ○	● ● ● ○
PassiveSun®	● ● ● ○	● ○ ○ ○	● ● ● ○	● ● ● ○
Triple-Pane with Low-E coatings on two surfaces	● ● ● ●	● ● ● ○	● ● ● ○	● ● ● ●
Clear Dual-Pane	● ○ ○ ○	○ ○ ○ ○	● ● ● ●	○ ○ ○ ○

Center of glass performance only. Ratings based on glass options available as of March 2017. Visit www.andersenwindows.com/energystar for ENERGY STAR® map and NFRC total unit performance data.

*Winter and summer values are based on comparison of E-Series 3866 double-hung window U-Factor to the U-Factor for clear dual-pane glass non-metal frame default values from the 2006, 2009, 2012, 2015 and 2018 International Energy Conservation Code "Glazed Fenestration" Default Tables. See your local dealer for actual glass samples.

“ENERGY STAR” is a registered trademark of the U.S. Environmental Protection Agency.

Stormwatch® Protection (HarborMaster® Systems)

Designed for use in coastal areas, these systems combine monolithic or insulated laminated glass with structural enhancements to meet or exceed the stringent code requirements of ASTM and TAS testing protocols*. You get the performance you need with the design options you want.

Performance & Durability

- Impact-resistant glass provides windborne debris protection*, reduced sound transmission and burglar resistance
- Designed to satisfy:
 - AAMA/WDMA/CSA 101/I.S.2/A440-08
 - Large missile impact test ASTM/E1886/E1996
 - Miami-Dade TAS 201, 202, 203 (excluding inswing patio doors)
- Ratings up to PG 70**
- Peace of mind with 24/7 protection



Product Availability

Choose from a variety of coastal windows including casement, awning, double-hung† and fixed windows.

Impact-resistant double-hung windows utilize two or more snuggers applied to the sill, creating a structural connection between the lower sash and frame.



Simply close and lock the window and it's ready to withstand even the toughest weather conditions.*

We also offer a variety of coastal patio doors including inswing patio doors (impact-resistant insulated glass options only), outswing patio doors and French gliding patio doors. Surface bolts are required for impact certification of double doors.

Plus, you can select any of our 50 exterior colors, anodized finishes or custom colors. Choose from a variety of wood species, interior finishes, hardware, grille options, VeriLock® sensors and more. The only options not available on coastal products are decorative glass, blinds and shades.

Impact-Resistant Insulated Glass Options*:

- Low-E
- SmartSun™
- Bronze or Gray
- Bronze/Bronze or Gray/Gray (meets Florida Turtle Code)

Impact-Resistant Monolithic Glass Options*:

- Low-E
- SmartSun™
- Bronze, Gray or Green
- Clear

*See your local code official for building code requirements in your area.

**Tested to AAMA/WDMA/CSA 101/I.S.2/A440-08. Ratings vary based on unit type and size. See your local dealer for specific performance data.

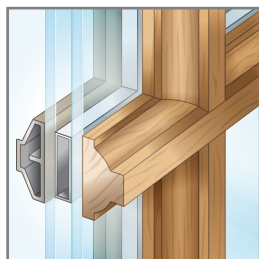
†Double-hung windows are only available with impact-resistant monolithic bronze, gray, green and clear glass options.

Grille Options

Full Divided Light

(Modern Divided Light)

Give any window an authentic look with full divided light grilles that are permanently applied to the interior and exterior of your window with a spacer between the glass. Available in ovolo (colonial) and contemporary profiles.

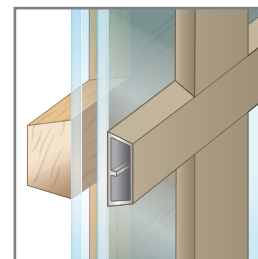


SHOWN WITH CHAMFER EXTERIOR GRILLE AND OVOLLO INTERIOR GRILLE PROFILES

Simulated Divided Light

(Classic Divided Light)

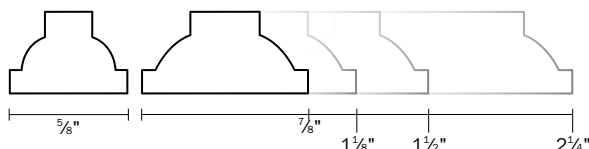
An economical solution with traditional beauty, our Simulated Divided Light features fixed exterior and interior grilles without an internal spacer. Available in ovolo and contemporary profiles.



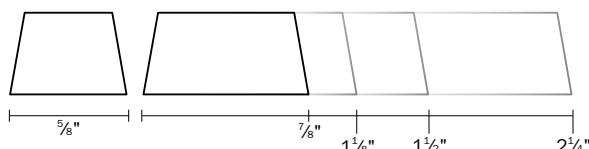
SHOWN WITH CONTEMPORARY EXTERIOR AND INTERIOR GRILLE PROFILES

Full & Simulated Divided Light Grille Profiles and Widths - Wood & Aluminum

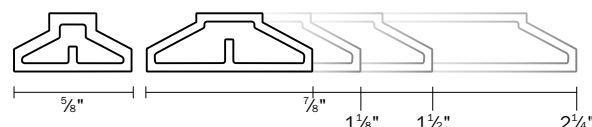
Wood (interior) - Ovolo (Colonial) Profile



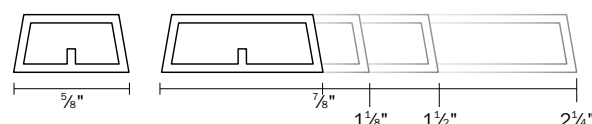
Wood (interior) - Contemporary Profile



Aluminum (exterior) - Chamfer Profile

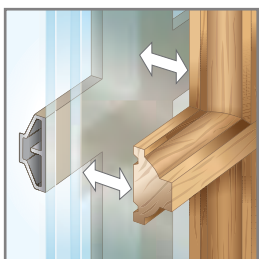


Aluminum (exterior) - Contemporary Profile



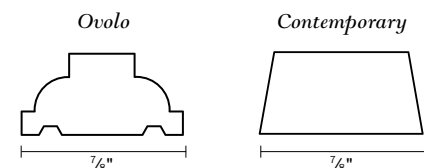
Removable Interior Wood Grilles

Our removable wood grilles are installed on the interior surface. They are available with an optional surround and an optional permanently applied exterior grille. Available in ovolo and contemporary profiles.



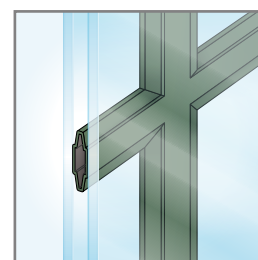
SHOWN WITH OVOLLO PROFILE AND OPTIONAL PERMANENTLY APPLIED EXTERIOR GRILLE WITH CHAMFER PROFILE

Removable Interior Wood Grille Profiles and Widths



Finelight™ Grilles-Between-the-Glass

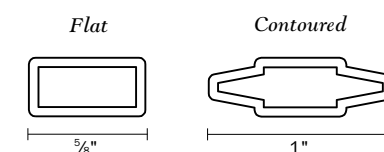
Aluminum grilles conveniently placed between two panes of glass make the glass easy to clean inside and out.



SHOWN WITH 1" CONTOURED PROFILE

5/8" Color Options	1" Color Options
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="width: 15px; height: 15px; background-color: white; border: 1px solid black; margin-bottom: 5px;"></div>COLONY WHITE </div> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #8B4513; border: 1px solid black; margin-bottom: 5px;"></div>SIERRA BRONZE </div> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #A08060; border: 1px solid black; margin-bottom: 5px;"></div>PEBBLE TAN </div> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #006400; border: 1px solid black; margin-bottom: 5px;"></div>FOREST GREEN </div>	<p>Choose from our broad palette of 50 colors or select from the following 2-tone paint combinations</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="width: 15px; height: 15px; background: linear-gradient(to top right, white 49%, #8B4513 49% 51%, #8B4513 51%); border: 1px solid black; margin-bottom: 5px;"></div>COLONY WHITE/SIERRA BRONZE </div> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="width: 15px; height: 15px; background: linear-gradient(to top right, white 49%, #A08060 49% 51%, #A08060 51%); border: 1px solid black; margin-bottom: 5px;"></div>COLONY WHITE/PEBBLE TAN </div> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="width: 15px; height: 15px; background: linear-gradient(to top right, white 49%, #006400 49% 51%, #006400 51%); border: 1px solid black; margin-bottom: 5px;"></div>COLONY WHITE/FOREST GREEN </div>

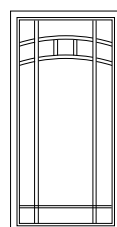
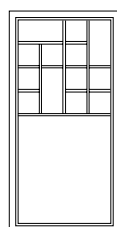
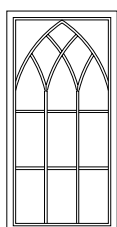
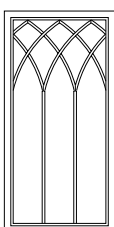
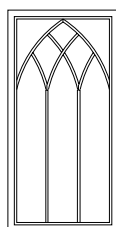
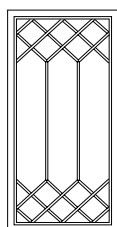
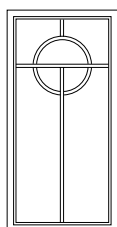
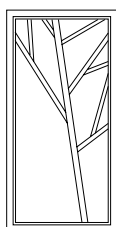
Finelight Grille Profiles and Widths





Design Your Own Grilles

We offer a variety of grille patterns to choose from, or design your own with varying lines, curves and shapes to create a truly unique pattern.



Innovative Insect Screens

E-Series insect screens let the outside come in. We offer 50 exterior colors or optional anodized finishes for exterior insect screens. Or for beauty on the inside, add our wood-veneered options to blend seamlessly with your window.

TruScene® Insect Screen*

TruScene® window insect screens are made with a micro-fine stainless steel mesh that offers 50% more clarity than our conventional aluminum insect screens. TruScene insect screens let in more fresh air and sunlight and keep small insects out.

Retractable Insect Screen For Windows

Made specifically for casement and awning windows, this wood-veneered insect screen is a sleek addition to any home. In place, the insect screen helps keep insects out. When retracted, it provides a beautiful clear view.

Wood-veneered Insect Screen

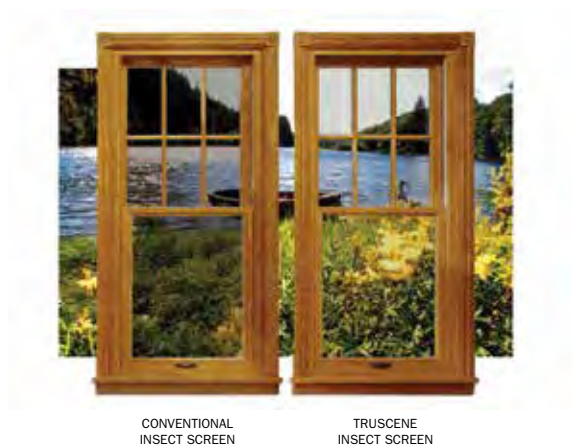
E-Series interior window insect screens can be veneered in one of our beautiful wood selections, allowing the frame to blend seamlessly into your window.

Retractable Insect Screen for Patio Doors**

This insect screen is built with an innovative color-matched aluminum housing that hides the insect screen when not in use. It's there when you need it and gone when you don't.

Hinged Insect Screen

Available for hinged inswing patio doors, this solid insect screen offers a full-door view and features a lockable latch and automatic closer.



All comparisons are made to a conventional E-Series aluminum insect screen.



RETRACTABLE INSECT SCREEN

Top-Hung Gliding Insect Screen for Patio Doors

Open your room to the outdoors with the touch of a finger. Our top-hung gliding insect screen provides smooth and reliable operation, season after season.†

*TruScene® wood-veneered insect screens utilize a different frame profile than other E-Series wood-veneered insect screens.

**Retractable insect screens are available on inswing, outswing and gliding patio doors. See your local dealer for details.

†See the limited warranty for details.

Blinds & Shades

What could be more convenient than blinds or shades between the panes of glass? Minimal cleaning and no worry about damage. It's simply a fitting way to put privacy at your fingertips. E-Series blinds and shades offer the ultimate in practicality for both residential and commercial applications.

System 3 Blinds & Shades

Add privacy and even greater energy efficiency with this low-maintenance blind or shade solution. Applied to the interior of the sash, the System 3 design creates a triple-glazed window for incredible energy efficiency. Our $\frac{5}{8}$ " blinds and pleated shades are available for casement, awning and specialty (auxiliary) windows, plus hinged patio doors, and are mounted to an extruded aluminum storm panel and applied to the interior of the sash. The removable storm panel is available in tan, gold, white or optional wood-veneer.



Control Knobs



BRONZE



WHITE



BLACK



GOLD

Blind Colors



ALMOND



TAN



GOLD



WHITE

Shade Colors



ALMOND



PEARL



VANILLA



WINTER WHITE

Blinds-Between-the-Glass for Patio Doors & Rectangular Specialty Windows

E-Series blinds-between-the-glass can be installed in many of our patio doors and rectangular specialty windows. Placed between the two panes of glass away from dust, dirt and damage, you get the benefit of energy efficiency and the privacy, control and convenience of blinds.



TILT, RAISE AND LOWER
WITH ONE CONTROL
CORD*

*Not all sizes of blinds-between-the-glass are retractable.

Printing limitations prevent exact color duplication. Please see your local dealer for actual samples.

Exterior & Interior Trim Options

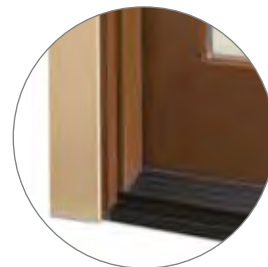
Details take your project from ordinary to extraordinary. The perfect finishing touches make every window and door an irreplaceable part of any home or commercial building. We offer the trim and accessory metals that make the final details of your project easier to complete and more beautiful to look at.

Exterior Trim

Designed to add depth and traditional appeal, our exterior trim options extend outward from the window or door frame, casting a shadow line consistent with true historical applications. Choose from our extended selection of flat and profiled casings, brick mould casings and sill nosings. Match or contrast the trim with your windows and doors in any of our 50 exterior colors, custom colors and anodized finishes.



3 1/2" BACKBAND & BEAD CASING AND 1 1/2" SILL NOSE SHOWN ON CASEMENT



3 1/2" FLAT CASING SHOWN ON HINGED INSWING PATIO DOOR



2" BRICK MOULD AND 1 1/2" SILL NOSE SHOWN ON CASEMENT



3 1/2" BRICK MOULD AND 1 1/2" DEEP SILL NOSE SHOWN ON DOUBLE-HUNG

Interior Trim Components



- ❶ 1/2" x 3 3/4" Fluted Casing
- ❷ 1 1/16" x 2 3/4" Colonial Casing (WM366)
- ❸ 1 1/16" x 2 3/4" Colonial Casing (WM356)
- ❹ 1 1/16" x 2 3/4" Ranch Casing (WM324)
- ❺ 2 1/2" Plinth Block
- ❻ 3 1/2" Plinth Block

Wood Casings

A subtle touch around the perfect window or door makes your view even more special. Choose from four different casings, and add plinth blocks at the corners for just the right touch of detail.



Drywall Returns

We offer drywall returns in three depths: 1 1/16", 9/16" and 7/16".



Extension Jamb

Pre-installed, dimensional extension jamb save time on jobsites and help enable a perfect installation. Available in all wood species, extension jamb can accommodate a wide variety of wall conditions.

Product Overview

Casement Windows

French Casement Windows

Push Out Casement Windows

Awning Windows

Push Out Awning Windows

Double-Hung Windows

Double-Hung Insert (RetroFit) Windows

Double-Hung Sash Replacement Kits

Bay & Bow Windows

Gliding (Slide-by) Windows

Specialty (Auxiliary) Windows

Hinged Patio Doors

Gliding Patio Doors



EXTERIOR

FINISH

CLAY CANYON

CINNAMON

Casement Windows

Simple, beautiful and extremely functional, this casement window offers enhanced energy performance. Plus, stainless steel hinges and tracks open to 90° for great ventilation and easy cleaning.

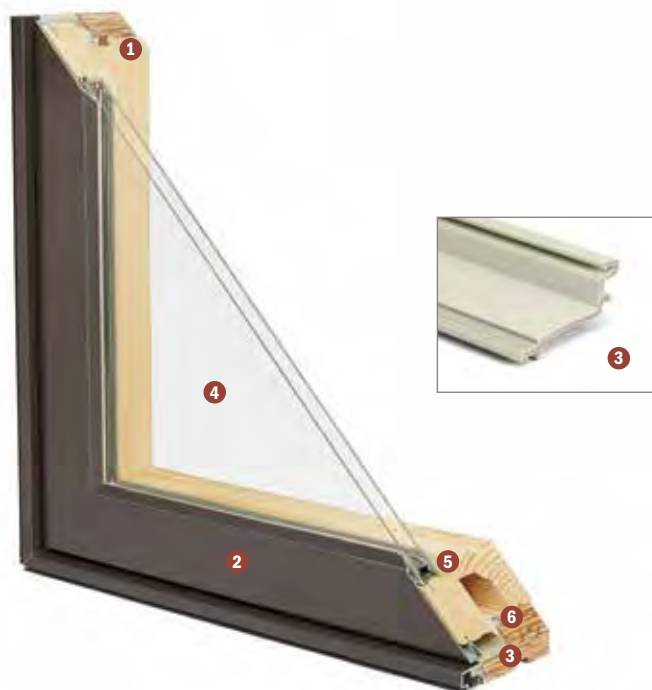
**Single-lever, dual-locking
mechanism with minimal
exposed hardware**

High performance ratings*

*See performance information on pages 159-161 for more information.



Casement Windows



Frame & Sash

❶ Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

❷ Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options. Integral, butyl-backed corner keys provide a positive, tight seal.

❸ A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.

Glazing

❹ High-Performance Low-E4* glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

❺ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

Weatherstrip

❻ A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material and provides a solid surface contact with the sash.

A secondary bulb weatherstrip is applied on three sides of the sash into a stand-alone kerf on the aluminum extrusion. Available in white or optional black.

Hardware

❼ Equipped with a stainless steel gear operator, concealed hinges and hinge track. Arch casement units use stainless steel piano hinges.

Concealed sash locks (multi-point on units over 2'-8" high) provide a positive lock by operating one convenient lever. Stainless steel keepers resist corrosion.**

Locks, handles and operator covers are available in 10 finishes and can be shipped separately closer to job completion.

Power operators are available in bronze, white, black or gold.

Power Operator



Available In
BRONZE, WHITE, BLACK
OR GOLD

*The mahogany name is representative of non-endangered African mahoganies.

**See the limited warranty for details.

Features & Options

Operator Handles & Covers	Sash Locks	Grilles
 <p>BRONZE</p> <p>POLISHED BRASS GOLD</p> <p>WHITE BLACK</p> <p>ANTIQUE BRASS PEWTER</p> <p>OIL RUBBED BRONZE SATIN CHROME</p> <p>BRIGHT CHROME</p>	 <p>BRONZE POLISHED BRASS GOLD WHITE BLACK</p> <p>ANTIQUE BRASS PEWTER OIL RUBBED BRONZE SATIN CHROME BRIGHT CHROME</p>	 <p>5/8" FDL 7/8" FDL 1 1/8" FDL</p> <p>1 1/2" FDL 7/8" SDL 7/8" REMOVABLE</p> <p>5/8" FLAT 1" CONTOURED</p> <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p> <p>FDL = Full Divided Light* SDL = Simulated Divided Light* Removable = Removable interior wood grilles</p> <p>Flat = Finelight™ grilles-between-the-glass Contoured = Finelight grilles-between-the-glass</p>
<p><i>Construction Hardware</i></p> 	<p><i>Blinds, Shades & Insect Screens</i></p> 	<p>See page 24 for more information on our grille options.</p>

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

Construction locks and operator handles keep your permanent window hardware away from the construction process and possible damage, yet allow operation of windows during construction.

Window Anchorage

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

8 Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame in colors of bronze, white or gold as well as optional black. Aluminum screen mesh and wood-veneered insect screen also available as options.

TruScene® insect screens available in painted aluminum or wood-veneered options.

Retractable insect screen available in wood-veneered options.

See page 26 for more information on our insect screen options.

9 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

Removable Interior Wood Grilles. Removable interior wood grilles are

available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

10 Privacy Options

System 3 Blinds. A 5/8" aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy-efficiency. Available in four colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

System 3 Shades. Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light. See page 27 for more details.

VeriLock® Sensors

These exclusive sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. See pages 6–7 for details.

*When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your dealer for more information.
 Printing limitations prevent exact finish replication. Please see your local dealer for actual finish samples.

French Casement Windows



Frame & Sash

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

③ A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.

Glazing

④ High-Performance Low-E4* glass with a low-conductivity spacer. Tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

⑤ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

Weatherstrip

⑥ A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material and provides a solid surface contact with the sash.

Secondary weatherstrip is applied on three sides of the sash. Available in white or optional black.

⑦ Hardware

Equipped with stainless steel gear operators and piano hinges.

Concealed, multi-point sash locks provide a positive lock by operating one convenient lever. Stainless steel keepers resist corrosion.**

Locks for French casement windows are available in bronze, white, black, polished brass, antique brass, satin chrome and bright chrome.



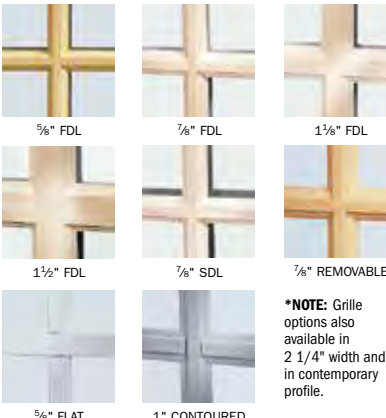

Window Anchorage

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

*The mahogany name is representative of non-endangered African mahoganies.

**See the limited warranty for details.

Features & Options

7 Operator Handles & Covers	French Casement Locks	9 Grilles
 <p>BRONZE</p> <p>POLISHED BRASS ANTIQUE BRASS</p> <p>WHITE BLACK</p> <p>BRIGHT CHROME SATIN CHROME</p>	 <p>BRONZE</p> <p>POLISHED BRASS ANTIQUE BRASS</p> <p>WHITE BLACK</p> <p>BRIGHT CHROME SATIN CHROME</p>	 <p>5/8" FDL 7/8" FDL 1 1/8" FDL</p> <p>1 1/2" FDL 7/8" SDL 7/8" REMOVABLE</p> <p>5/8" FLAT 1" CONTOURED</p> <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p> <p>FDL = Full Divided Light* SDL = Simulated Divided Light* Removable = Removable interior wood grilles</p> <p>Flat = Finelight™ grilles-between-the-glass Contoured = Finelight grilles-between-the-glass</p>
	<p>8 Insect Screens</p> 	<p>See page 24 for more information on our grille options.</p>

8 Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame in colors of bronze, white or gold as well as optional black. Aluminum screen mesh and wood-veneered insect screen also available as options.

TruScene® insect screens available in painted aluminum or wood-veneered options.

Retractable insect screen available in wood-veneered options.

See page 26 for more information on our insect screen options.

9 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

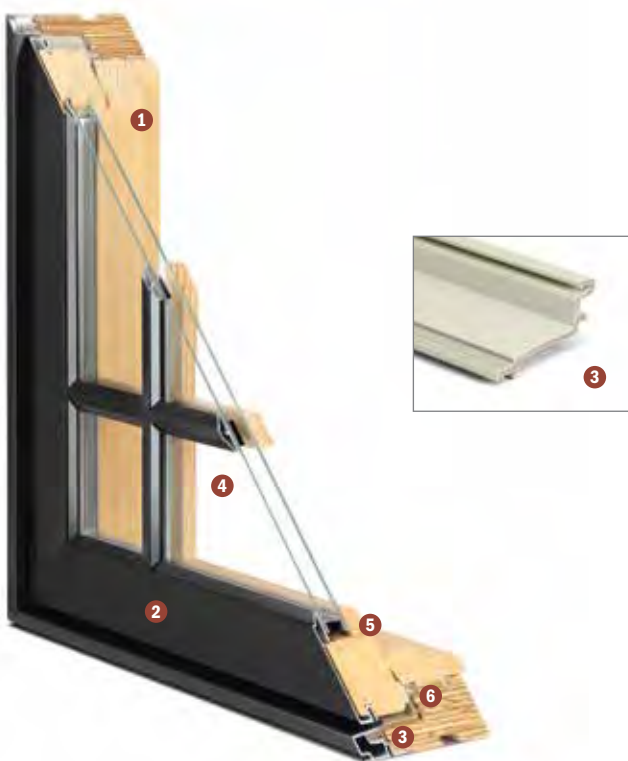
Removable Interior Wood Grilles. Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

VeriLock® Sensors

These exclusive sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. See pages 6–7 for details.

*When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your dealer for more information.
 Printing limitations prevent exact finish replication. Please see your local dealer for actual finish samples.

Push Out Casement Windows



Frame & Sash

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

③ A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.

Glazing

④ High-Performance Low-E4* glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

⑤ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

Weatherstrip

⑥ A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material and provides a solid surface contact with the sash.

A secondary bulb weatherstrip is applied on three sides of the sash. Available in white or optional black.

⑦ Hardware

Equipped with a stainless steel 4-bar friction hinge. Larger units use a stainless steel piano hinge with stainless steel stays.

Manual lock system featuring lock handles allows for easy operation. Units under 40" high use a single lock, while units 40" and taller use dual locks.




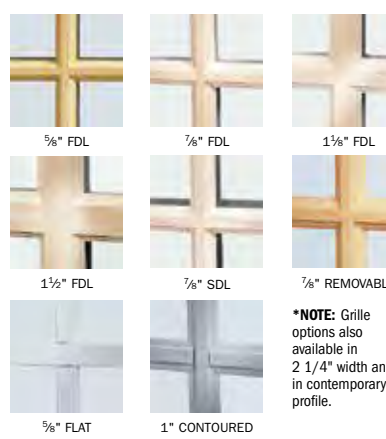
Lock handles are available in six finishes.

Window Anchorage

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

*The mahogany name is representative of non-endangered African mahoganies.

Features & Options

7 Lock Handles	8 Insect Screen Pulls	9 Grilles
 <p>POLISHED BRASS</p> <p>OIL RUBBED BRONZE</p> <p>ANTIQUE BRASS</p> <p>WHITE</p> <p>BLACK</p> <p>SATIN CHROME</p>	 <p>OIL RUBBED BRONZE</p> <p>POLISHED BRASS</p> <p>ANTIQUE BRASS</p> <p>BLACK</p> <p>WHITE</p> <p>SATIN CHROME</p> <p><i>Insect Screens</i></p> 	 <p>5/8" FDL</p> <p>7/8" FDL</p> <p>1 1/8" FDL</p> <p>1 1/2" FDL</p> <p>7/8" SDL</p> <p>7/8" REMOVABLE</p> <p>5/8" FLAT</p> <p>1" CONTOURED</p> <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p> <p>FDL = Full Divided Light* SDL = Simulated Divided Light* Removable = Removable interior wood grilles</p> <p>Flat = Finelight™ grilles-between-the-glass Contoured = Finelight grilles-between-the-glass</p> <p>See page 24 for more information on our grille options.</p>

8 Insect Screens

Hinged insect screen opens to the interior, providing access to the lock handle. Choose from charcoal fiberglass or aluminum screen mesh. Available in wood-veneered options. Insect screen pulls are available in six finishes.

Retractable insect screen available in wood-veneered options and requires extension jamps.

See page 26 for more information on our insect screen options.

9 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

Removable Interior Wood Grilles. Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

VeriLock® Sensors

These exclusive sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. See pages 6–7 for details.

*When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your dealer for more information.
 Printing limitations prevent exact finish replication. Please see your local dealer for actual finish samples.

Casement Window Sizes

R.O. L.S.	1' 6 1/4"	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"
	1' 5 3/4"	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"
2' 0 1/2"							
2' 0"							
2' 6"							
2' 8"							
2' 10"							
3' 0"							
3' 4"							
3' 6"							
3' 8"							
3' 10"							

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height).

†† Units meet the stated dimensions above when optional hardware for widest clear opening is used.

* A sash-limiting device is standard on 2856 and 3050 casement units. See your local code official for requirements in your area.

** A piano hinge and sash limiting device is standard on 2860, 3056 and 3060 casement units.

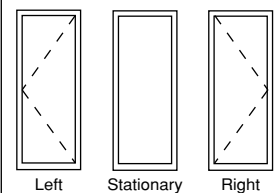
If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Vent Layout as Viewed From Exterior



FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).































The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary.

Joined Casement Combinations	2-Wide		3-Wide		4-Wide		5-Wide	
Single Unit Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width
1'-5 3/4"	3'-0"	2'-11 1/2"	4'-5 3/4"	4'-5 1/4"	5'-11 1/2"	5'-11"	7'-5 1/4"	7'-4 3/4"
1'-8"	3'-4 1/2"	3'-4"	5'-0 1/2"	5'-0"	6'-8 1/2"	6'-8"	8'-4 1/2"	8'-4"
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"	8'-0 1/2"	8'-0"	10'-0 1/2"	10'-0"
2'-4"	4'-8 1/2"	4'-8"	7'-0 1/2"	7'-0"	9'-4 1/2"	9'-4"	11'-8 1/2"	11'-8"
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"	10'-0 1/2"	10'-0"	12'-6 1/2"	12'-6"
2'-8"	5'-4 1/2"	5'-4"	8'-0 1/2"	8'-0"	10'-8 1/2"	10'-8"	13'-4 1/2"	13'-4"
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"	12'-0 1/2"	12'-0"	15'-0 1/2"	15'-0"

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Casement Picture Window Sizes

RO FS	Overall Frame Size				
	3' 0 1/2"	3' 4 1/2"	4' 0 1/2"	5' 0 1/2"	6' 0 1/2"
3' 4 1/2"	 CMP3034	 CMP3434	 CMP4034	 CMP5034	 CMP6034
4' 0 1/2"	 CMP3040	 CMP3440	 CMP4040	 CMP5040	 CMP6040
4' 6 1/2"	 CMP3046	 CMP3446	 CMP4046	 CMP5046	 CMP6046
5' 0 1/2"	 CMP3050	 CMP3450	 CMP4050	 CMP5050	 CMP6050
5' 6 1/2"	 CMP3056	 CMP3456	 CMP4056	 CMP5056	 CMP6056
6' 0 1/2"	 CMP3060	 CMP3460	 CMP4060	 CMP5060	 CMP6060

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.





































FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).


































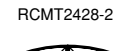

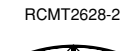

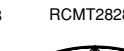









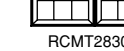











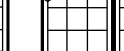













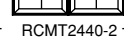

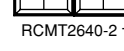

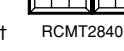

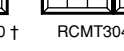









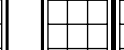










The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary.

Casement Transom Window Sizes

RO FS	Overall Frame Size								
	1' 6 1/4"	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 4 1/2"	4' 0 1/2"
1' 2"	 CT15 3/412	 CT1812	 CT2012	 CT2412	 CT2612	 CT2812	 CT3012	 CT3412	 CT4012
1' 4"	 CT15 3/414	 CT1814	 CT2014	 CT2414	 CT2614	 CT2814	 CT3014	 CT3414	 CT4014
1' 6 1/4"	 CT15 3/415 3/4	 CT1815 3/4	 CT2015 3/4	 CT2415 3/4	 CT2615 3/4	 CT2815 3/4	 CT3015 3/4	 CT3415 3/4	 CT4015 3/4
1' 8"	 CT15 3/418	 CT1818	 CT2018	 CT2418	 CT2618	 CT2818	 CT3018	 CT3418	 CT4018

Arch Casement Window Sizes

R.O. F.S.	2' 0 1/2"		4' 0 1/2"		2' 4 1/2"		4' 8 1/2"		2' 6 1/2"		5' 0 1/2"		2' 8 1/2"		5' 4 1/2"		3' 0 1/2"		6' 0 1/2"	
	2' 0"		4' 0"		2' 4"		4' 8"		2' 6"		5' 0"		2' 8"		5' 4"		3' 0"		6' 0"	
	3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD	
2' 0 1/2"																				
2' 6 1/2"																				
2' 8 1/2"																				
3' 0 1/2"																				
3' 4 1/2"																				
4' 0 1/2"																				
4' 6 1/2"																				
5' 0 1/2"																				
5' 6 1/2"																				
6' 0 1/2"																				

Vent Layout as Viewed From Exterior



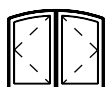
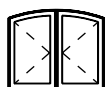
Left



Stationary



Right

2 Wide
Left-Right2 Wide
Right-Left

NOTES



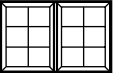
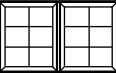


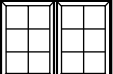
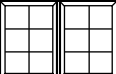


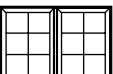
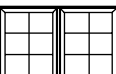


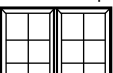
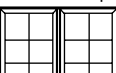


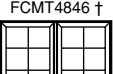
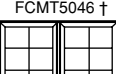
† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height).

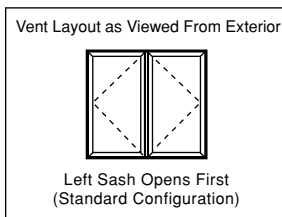
* A sash-limiting device is standard on 2856, 2860, 3056 and 3060 casement units. See your local code official for requirements in your area.

Piano hinges are standard on all arch casement units.

See notes on page 41 for more information.

French Casement Window Sizes

R.O. F.S.		3' 4 1/2"	4' 0 1/2"	4' 8 1/2"	5' 0 1/2"
		3' 4"	4' 0"	4' 8"	5' 0"
3' 0 1/2"	3' 0"				
		FCMT3430	FCMT4030	FCMT4830	FCMT5030
3' 4 1/2"	3' 4"				
		FCMT3434	FCMT4034	FCMT4834	FCMT5034
4' 0 1/2"	4' 0"				
		FCMT3440 †	FCMT4040 †	FCMT4840 †	FCMT5040 †
4' 6 1/2"	4' 6"				
		FCMT3446 †	FCMT4046 †	FCMT4846 †	FCMT5046 †
5' 0 1/2"	5' 0"				
		FCMT3450 †	FCMT4050 †	FCMT4850 †	FCMT5050 †



NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). Local codes may differ. Verify egress requirements with your local building code official.

Piano hinges and step jamb are standard on all French casement units.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.







































































FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary.

Push Out Casement Window Sizes

		R.O.						
		F.S.						
		1' 6 1/4"	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"
		1' 5 3/4"	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"
2' 0 1/2"	2' 0"							
2' 6 1/2"	2' 6"							
2' 8 1/2"	2' 8"							
3' 0 1/2"	3' 0"							
3' 4 1/2"	3' 4"							
4' 0 1/2"	4' 0"							
4' 6 1/2"	4' 6"							
5' 0 1/2"	5' 0"							
5' 6 1/2"	5' 6"							
6' 0 1/2"	6' 0"							

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). Local codes may differ. Verify egress requirements with your local building code official.

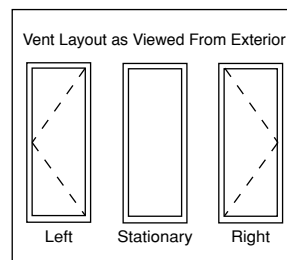
Units $\leq 24"$ Actual Frame Width (AFW) will receive hinges only (no clip or friction arm).
Units $> 24"$ AFW and $\leq 30"$ AFW receive clip only.
Units $> 30"$ AFW receive (2) 14" friction arms.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.


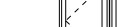




FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

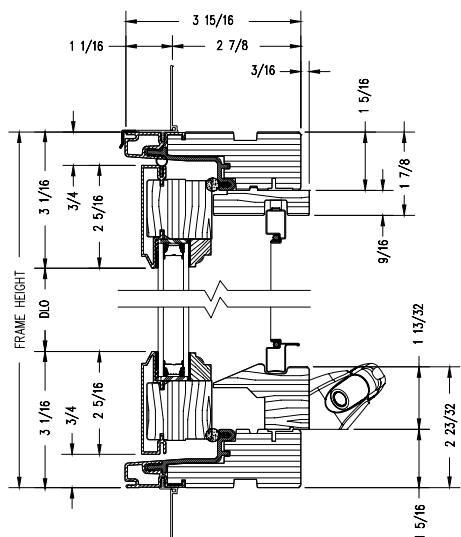
Any unit within each combination can be operating or stationary.

Joined Casement Combinations	2-Wide		3-Wide		4-Wide		5-Wide	
								
Single Unit Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width
1'-5 3/4"	3'-0"	2'-11 1/2"	4'-5 3/4"	4'-5 1/4"	5'-11 1/2"	5'-11"	7'-5 1/4"	7'-4 3/4"
1'-8"	3'-4 1/2"	3'-4"	5'-0 1/2"	5'-0"	6'-8 1/2"	6'-8"	8'-4 1/2"	8'-4"
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"	8'-0 1/2"	8'-0"	10'-0 1/2"	10'-0"
2'-4"	4'-8 1/2"	4'-8"	7'-0 1/2"	7'-0"	9'-4 1/2"	9'-4"	11'-8 1/2"	11'-8"
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"	10'-0 1/2"	10'-0"	12'-6 1/2"	12'-6"
2'-8"	5'-4 1/2"	5'-4"	8'-0 1/2"	8'-0"	10'-8 1/2"	10'-8"	13'-4 1/2"	13'-4"
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"	12'-0 1/2"	12'-0"	15'-0 1/2"	15'-0"

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

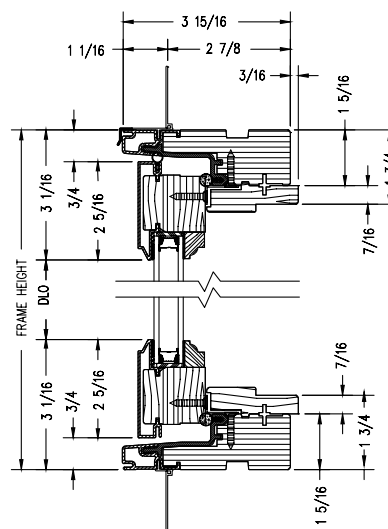
Casement Windows

Casement

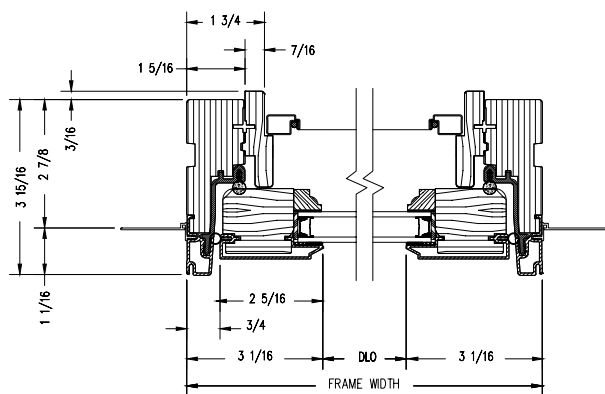


Vertical Section

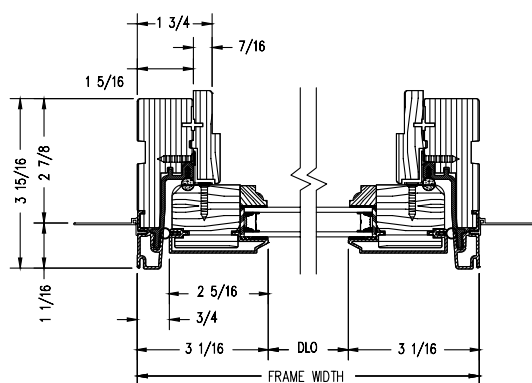
Sash-Set (2-Piece) Casement



Vertical Section



Horizontal Section



Horizontal Section

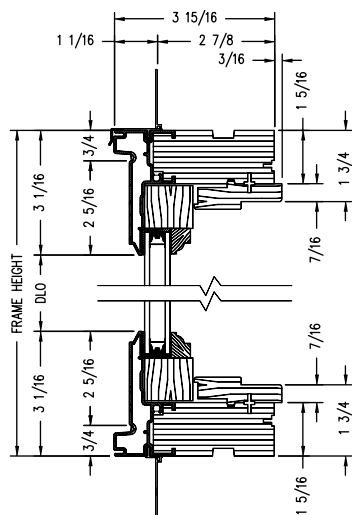
Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

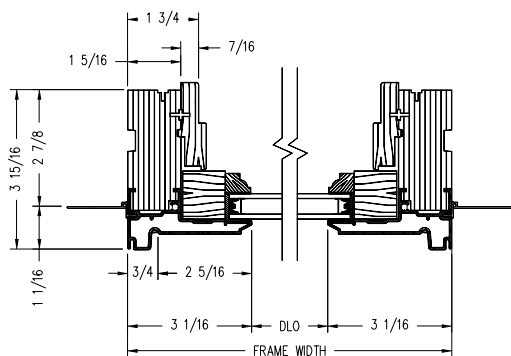
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Casement Windows

Direct-Set (1-Piece) Casement

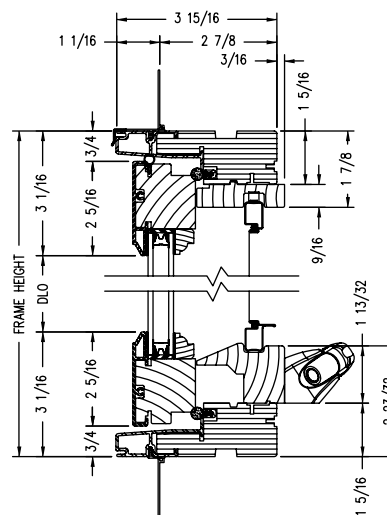


Vertical Section

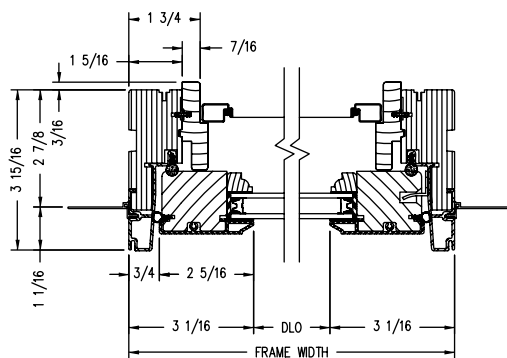


Horizontal Section

Arch Casement



Vertical Section



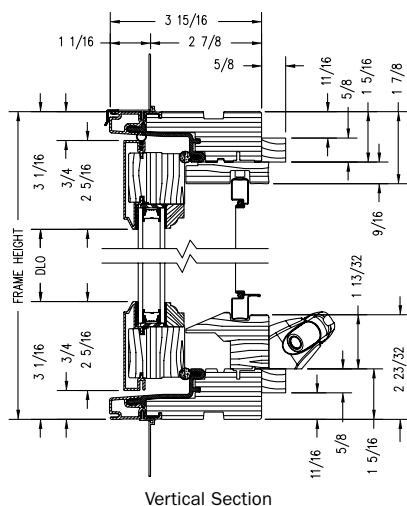
Horizontal Section

Shown with ovolo (colonial) glass stops.

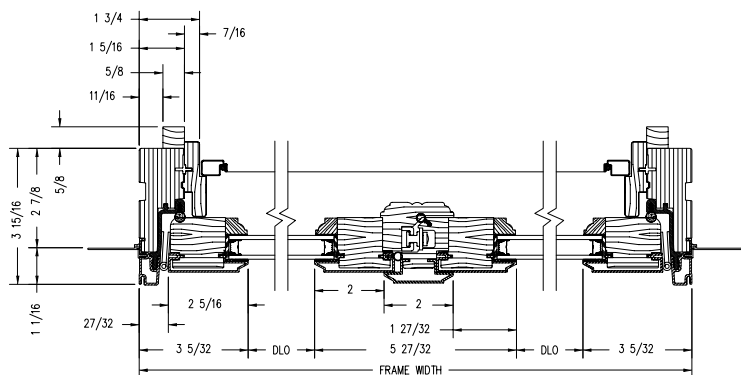
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French Casement Windows



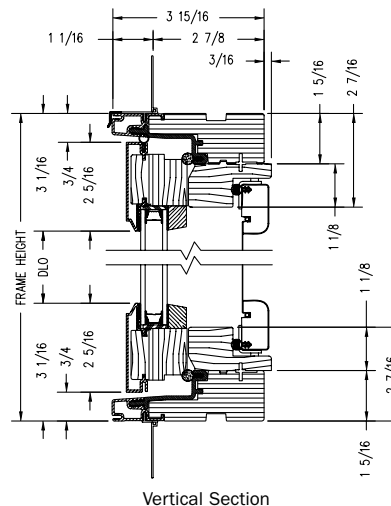
Vertical Section



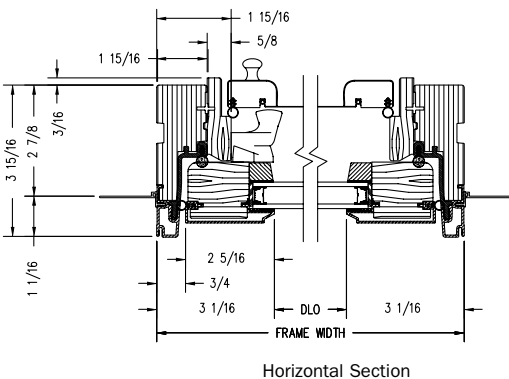
Horizontal Section

Shown with ovolo (colonial) glass stops.

Push Out Casement Windows



Vertical Section



Horizontal Section

Shown with contemporary glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.



EXTERIOR COMBINATION	
CUSTOM COLOR	AWNING / TRAPEZOID

Awning Windows

Used alone or as an accent window, E-Series awning windows add visual interest and ventilation. Plus they are easy to clean from the inside, and yet offer a weathertight seal for outstanding performance.

Stainless steel hardware

Same sight lines as our casement window

True awning with operator on the sill



Awning Windows



Frame & Sash

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options. Integral, butyl-backed corner keys provide a positive, tight seal.

③ A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.

Glazing

④ High-Performance Low-E4* glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

⑤ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

Weatherstrip

⑥ A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material and provides a solid surface contact with the sash.

A secondary bulb weatherstrip is applied on three sides of the sash into a stand-alone kerf on the aluminum extrusion. Available in white or optional black.

Hardware

⑦ Equipped with a stainless steel gear operator, concealed hinges and hinge track.

Concealed sash locks provide a positive lock. Stainless steel keepers resist corrosion.**

Locks, handles and operator covers are available in 10 finishes and can be shipped separately closer to job completion.

Power operators are available in bronze, white, black or gold.

Power Operator



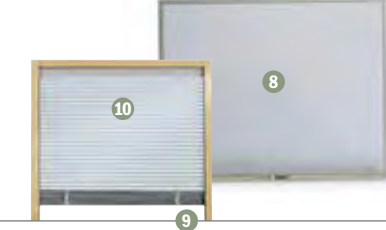
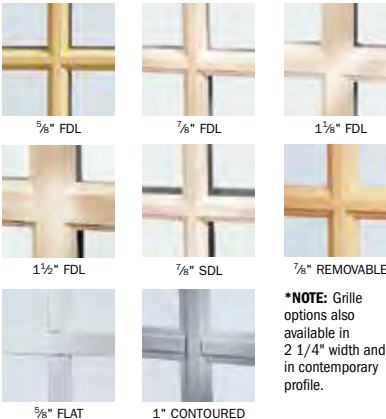


Available In
BRONZE, WHITE, BLACK
OR GOLD

*The mahogany name is representative of non-endangered African mahoganies.

**See the limited warranty for details.

Features & Options

Operator Handles & Covers	Construction Hardware	Blinds, Shades & Insect Screens
 <p>BRONZE</p> <p>POLISHED BRASS GOLD</p> <p>WHITE BLACK</p> <p>ANTIQUE BRASS PEWTER</p> <p>OIL RUBBED BRONZE SATIN CHROME</p> <p>BRIGHT CHROME</p>	 <p>Sash Locks</p> <p>BRONZE POLISHED BRASS GOLD WHITE BLACK</p> <p>ANTIQUE BRASS PEWTER OIL RUBBED BRONZE SATIN CHROME BRIGHT CHROME</p>	 <p>8</p> <p>10</p> <p>9</p> <p>Grilles</p>  <p>$\frac{5}{8}$" FDL $\frac{7}{8}$" FDL $1\frac{1}{8}$" FDL</p> <p>$1\frac{1}{2}$" FDL $\frac{7}{8}$" SDL $\frac{7}{8}$" REMOVABLE</p> <p>$\frac{5}{8}$" FLAT 1" CONTOURED</p> <p>FDL = Full Divided Light* SDL = Simulated Divided Light* Removable = Removable interior wood grilles</p> <p>Flat = Finelight™ grilles-between-the-glass Contoured = Finelight™ grilles-between-the-glass</p> <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p> <p>See page 24 for more information on our grille options.</p>

Construction locks and operator handles keep your permanent window hardware away from the construction process and possible damage, yet allow operation of windows during construction.

Window Anchorage

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

8 Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame in colors of bronze, white or gold as well as optional black. Aluminum screen mesh and wood-veneered insect screen also available as options.

TruScene® insect screens available in painted aluminum or wood-veneered options.

Retractable insect screen available in wood-veneered options.

See page 26 for more information on our insect screen options.

9 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ " or $2\frac{1}{4}$ " widths and ovolo or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ " or $2\frac{1}{4}$ " widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in $\frac{5}{8}$ " flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

Removable interior wood grilles. Removable interior wood grilles are available in a $\frac{7}{8}$ " width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

10 Privacy Options

System 3 Blinds. A $\frac{5}{8}$ " aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy-efficiency. Available in four colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

System 3 Shades. Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light. See page 27 for more details.

VeriLock® Sensors

These exclusive sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. See pages 6–7 for details.

*When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your dealer for more information. Printing limitations prevent exact finish replication. Please see your local dealer for actual finish samples.

Push Out Awning Windows



Frame & Sash

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

③ A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.

Glazing

④ High-Performance Low-E4* glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

⑤ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

Weatherstrip

⑥ A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material and provides a solid surface contact with the sash.

A secondary bulb weatherstrip is applied on three sides of the sash. Available in white or optional black.

Hardware

⑦ Equipped with a stainless steel 4-bar friction hinge.

Manual lock system featuring lock handles allows for easy operation. Units under 40" wide use a single lock, while units 40" and wider use dual locks.

Lock handles are available in six finishes.

Window Anchorage

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

Insect Screens

Hinged insect screen opens to the interior, providing access to the lock handle. Choose from charcoal fiberglass or aluminum screen mesh. Available in wood-veneered options. Insect screen pulls are available in six finishes.

*The mahogany name is representative of non-endangered African mahoganies.

Features & Options

7 Lock Handles	8 Insect Screen Pulls	9 Grilles
 <p>OIL RUBBED BRONZE</p> <p>POLISHED BRASS</p> <p>ANTIQUE BRASS</p> <p>WHITE</p> <p>BLACK</p> <p>SATIN CHROME</p>	 <p>OIL RUBBED BRONZE</p> <p>POLISHED BRASS</p> <p>ANTIQUE BRASS</p> <p>BLACK</p> <p>WHITE</p> <p>SATIN CHROME</p> <p><i>Insect Screens</i></p> 	 <p>5/8" FDL</p> <p>7/8" FDL</p> <p>1 1/8" FDL</p> <p>1 1/2" FDL</p> <p>7/8" SDL</p> <p>7/8" REMOVABLE</p> <p>5/8" FLAT</p> <p>1" CONTOURED</p> <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p> <p>FDL = Full Divided Light* SDL = Simulated Divided Light* Removable = Removable interior wood grilles</p> <p>Flat = Finelight™ grilles-between-the-glass Contoured = Finelight grilles-between-the-glass</p> <p>See page 24 for more information on our grille options.</p>

Retractable insect screen available in wood-veneered options and requires extension jamb.

See page 26 for more information on our insect screen options.

9 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo and contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass.

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

Removable interior wood grilles.











































Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

VeriLock® Sensors

These exclusive sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. See pages 6–7 for details.

*When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your dealer for more information.
 Printing limitations prevent exact finish replication. Please see your local dealer for actual finish samples.

Awning Window Sizes

R.O. F.S.	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 4 1/2"	4' 0 1/2"
	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 4"	4' 0"
1' 8"	 AWN2018	 AWN2418	 AWN2618	 AWN2818	 AWN3018	 AWN3418	 AWN4018
2' 0"	 AWN2020	 AWN2420	 AWN2620	 AWN2820	 AWN3020	 AWN3420	 AWN4020
2' 6"	 AWN2026	 AWN2426	 AWN2626	 AWN2826	 AWN3026	 AWN3426	 AWN4026
3' 0"	 AWN2030	 AWN2430	 AWN2630	 AWN2830	 AWN3030	 AWN3430	 AWN4030
3' 4"	 AWN2034	 AWN2434	 AWN2634	 AWN2834	 AWN3034	 AWN3434	 AWN4034
4' 0"	 AWN2040	 AWN2440	 AWN2640	 AWN2840	 AWN3040	 AWN3440	 AWN4040

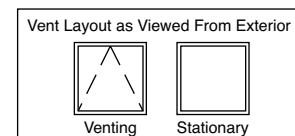
NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.



FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).








































The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary.

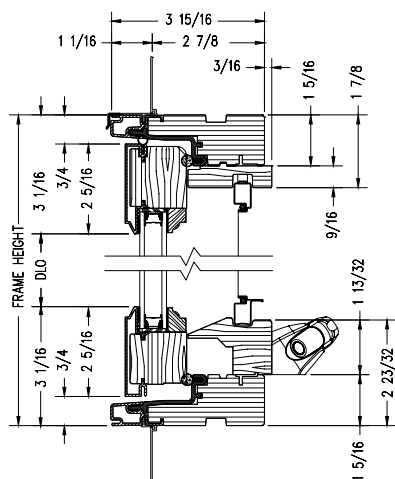
PUSH OUT AWNING

Units ≥ 36" Actual Frame Height receive (2) friction stays.

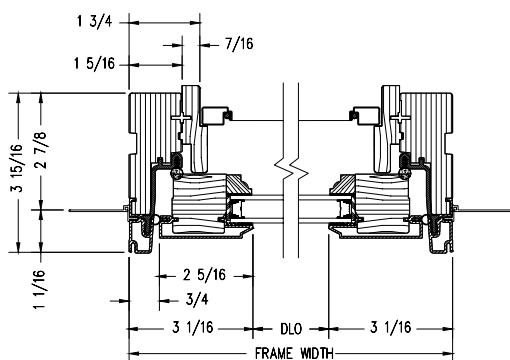
Push Out Awning Window Sizes

R.O. F.S.	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 4 1/2"	4' 0 1/2"
	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 4"	4' 0"
1' 8"	 PAWN2018	 PAWN2418	 PAWN2618	 PAWN2818	 PAWN3018	 PAWN3418	 PAWN4018
2' 0"	 PAWN2020	 PAWN2420	 PAWN2620	 PAWN2820	 PAWN3020	 PAWN3420	 PAWN4020
2' 6"	 PAWN2026	 PAWN2426	 PAWN2626	 PAWN2826	 PAWN3026	 PAWN3426	 PAWN4026
3' 0"	 PAWN2030	 PAWN2430	 PAWN2630	 PAWN2830	 PAWN3030	 PAWN3430	 PAWN4030
3' 4"	 PAWN2034	 PAWN2434	 PAWN2634	 PAWN2834	 PAWN3034	 PAWN3434	
4' 0"	 PAWN2040	 PAWN2440	 PAWN2640	 PAWN2840	 PAWN3040		

Awning Windows



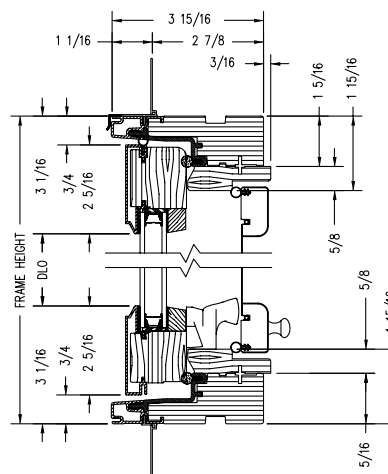
Vertical Section



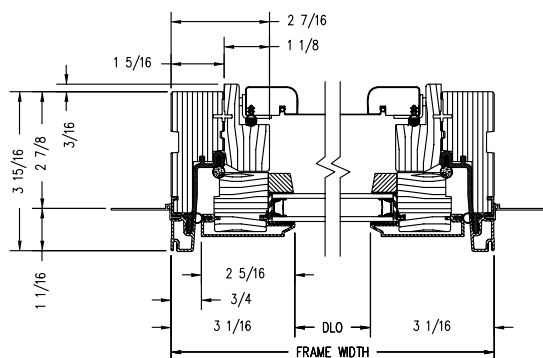
Horizontal Section

Shown with ovolo (colonial) glass stops.

Push Out Awning Windows







Vertical Section



Horizontal Section

Shown with contemporary glass stops.

Joined Awning Width Combinations	2- Wide		3-Wide	
				
Single Unit Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"
2'-4"	4'-8 1/2"	4'-8"	7'-0 1/2"	7'-0"
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"
2'-8"	5'-4 1/2"	5'-4"	8'-0 1/2"	8'-0"
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"
3'-4"	6'-8 1/2"	6'-8"	10'-0 1/2"	10'-0"
4'-0"	8'-0 1/2"	8'-0"	12'-0 1/2"	12'-0"

Joined Awning Height Combinations	2-High		3-High	
				
Single Unit Frame Height	Rough Opening Height	Frame Height	Rough Opening Height	Frame Height
1'-8"	3'-4 1/2"	3'-4"	5'-0 1/2"	5'-0"
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"
3'-4"	6'-8 1/2"	6'-8"	10'-0 1/2"	10'-0"
4'-0"	8'-0 1/2"	8'-0"	12'-0 1/2"	12'-0"

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

FOREST GREEN

EXTERIOR



Double-Hung Windows

A classic beauty, double-hung windows offer a sleek design with innovative functionality. Add a TruScene® insect screen to let the outside in, maximizing your view, not limiting it.

Select aluminum and wood jamb liner inserts for added visual appeal

Innovative locking mechanism

- ▶ Allows for easy tilt-in operation
- ▶ Flush mounted for discreet functionality

Create ventilation from the top or the bottom with dual sash operation



Double-Hung Windows



Frame & Sash

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Glazing

③ High-Performance Low-E4* glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

④ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

Weatherstrip

⑤ Compression bulb weatherstrip is applied on the bottom sash, head jamb, at the check rail and on side jambs for a maximum weather seal.

Hardware

⑥ Sash lock/tilt mechanisms and keepers give a slim, more traditional design and allow opening and tilting of the window in one operation. Tilting the sash from the inside for cleaning is effortless.


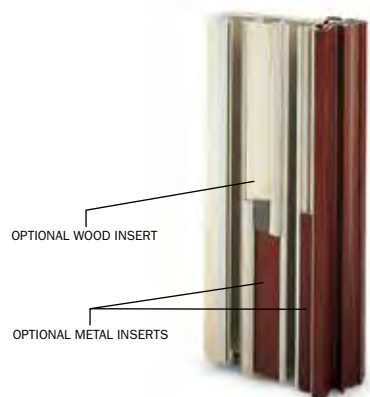
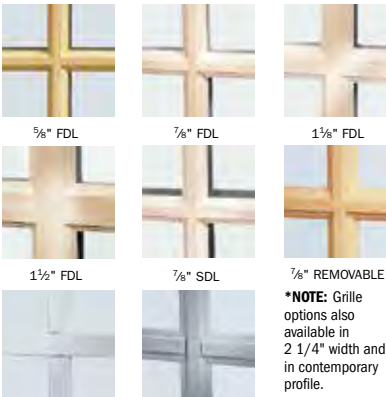



Optional surface mount sash lifts allow for easy operation. Units less than 3' wide use one lift. Units 3' wide and greater use two lifts.

Hardware is available in finishes of bronze, polished brass, gold, white, black, antique brass, pewter, oil rubbed bronze, satin chrome and bright chrome.

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

*The mahogany name is representative of non-endangered African mahoganies.

Features & Options

<div>6</div> <div>Sash Locks</div>	<div>7</div> <div>Rigid Jamb Liners</div>	<div>9</div> <div>Grilles</div>
		 <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p>
<div>8</div> <div>Sash Lifts</div>	<div>8</div> <div>Insect Screens</div>	<p>FDL = Full Divided Light* SDL = Simulated Divided Light* Removable = Removable interior wood grilles</p> <p>Flat = Finelight™ grilles-between-the-glass Contoured = Finelight grilles-between-the-glass</p> <p>See page 24 for more information on our grille options.</p>
		
		<div>10</div> <div>VeriLock® Sensors</div>
		 <p>E-Series double-hung windows with VeriLock® sensors use a different sash lock. Available in all hardware finishes.</p>

Jamb Liner & Balancer System

7 Double-hung jamb liners incorporate synthetic interior and exterior inserts or optional painted aluminum exterior and wood-veneered interior inserts.

Jamb liners encase balancer assemblies that allow each sash to be tilted 90° inward from a bottom pivot and stay securely in place for washing.

Window Anchorage

Optional vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

8 Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors and seven anodized finishes. Available in half or full insect screens. Aluminum screen mesh is available as an option.

TruScene® insect screens available in all 50 exterior colors and seven anodized finishes.

See page 26 for more information on our insect screen options.

9 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

Removable interior wood grilles. Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

10 VeriLock® Sensors

These exclusive sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. See pages 6–7 for details.

Double-Hung Insert Windows



Double-Hung Insert Windows

Double-hung insert window fits into an existing window frame making installation a breeze. The appearance of the interior and exterior of the home are maintained because the existing frame, wall coverings and trim work stay completely intact.

Frame & Sash

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA

2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Glazing

③ High-Performance Low-E4* glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

④ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

Weatherstrip

⑤ Compression bulb weatherstrip is applied on the bottom sash, head jamb, at the check rail and on side jambs for a maximum weather seal.

Hardware

⑥ Sash lock/tilt mechanisms and keepers give a slim, more traditional design and allow opening and tilting of the window in one operation. Tilting the sash from the inside for cleaning is effortless.


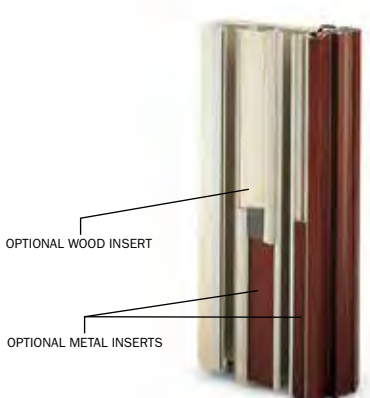
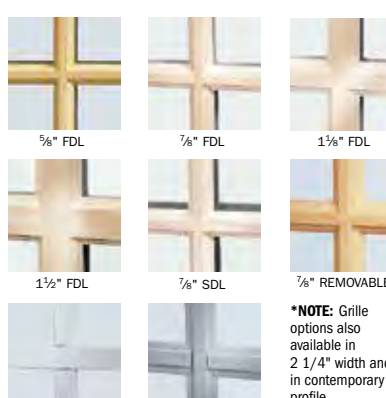



Surface mount sash lifts are available and allow for easy operation. Units less than 3' wide use one lift. Units 3' wide and greater use two lifts.

Sash locks and lifts are available in finishes of bronze, polished brass, gold, white, black, antique brass, pewter, oil rubbed bronze, satin chrome and bright chrome.

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

*The mahogany name is representative of non-endangered African mahoganies.

Features & Options

<div>6</div> <div>Sash Locks</div>	<div>7</div> <div>Rigid Jamb Liners</div>	<div>9</div> <div>Grilles</div>
		 <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p>
<div>8</div> <div>Sash Lifts</div>	<div>8</div> <div>Insect Screens</div>	
		<p>FDL = Full Divided Light* SDL = Simulated Divided Light* Removable = Removable interior wood grilles</p> <p>Flat = Finelight™ grilles-between-the-glass Contoured = Finelight grilles-between-the-glass</p> <p>See page 24 for more information on our grille options.</p> <div data-bbox="991 905 1406 968"> <div>10</div> <div>VeriLock® Sensors</div> </div>  <p>E-Series double-hung windows with VeriLock® sensors use a different sash lock. Available in all hardware finishes.</p>

Jamb Liner & Balancer System

7 Basic jamb liners are available in beige or white and are made of synthetic material. Optional painted aluminum exterior inserts and wood-veneered interior inserts also available.

Jamb liners encase balancer assemblies that allow each sash to be tilted 90° inward from a bottom pivot and stay securely in place for washing.

Sill Slope

8 degrees is the standard slope. Filler block is used on existing window sill angles of less than 8 degrees.

8 Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors and seven anodized finishes. Available in half or full insect screens. Aluminum screen mesh is available as an option.

TruScene® insect screens available in all 50 exterior colors and seven anodized finishes.

See page 26 for more information on our insect screen options.

9 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

Removable interior wood grilles.

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

10 VeriLock® Sensors

These exclusive sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. See pages 6–7 for details.

Measuring Guidelines

Measuring guidelines for double-hung insert and picture insert windows can be found on andersenwindows.com/measure.

Double-Hung Sash Replacement Kits



Sash Replacement Kits

Double-hung sash replacement kits are complete with window sash, locking hardware and sash lifts, compression jamb liners and balancer systems, sill filler, head parting stop and installation hardware. Each kit is built to your exact measurements.

The kits were designed to replace older sash with a new energy efficient sash without removing the trim and the window frame. The sash replacement will fit a double-hung window with a jamb pocket depth of $3\frac{1}{4}$ " or larger. Kits are also available in a picture window design. The sash depth is $1\frac{17}{32}$ ".

Picture window sash replacement kit consists of one sash and one sill filler.

Sash

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2505 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Glazing

③ High-Performance Low-E4® glass with a low-conductivity spacer. Tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

④ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.



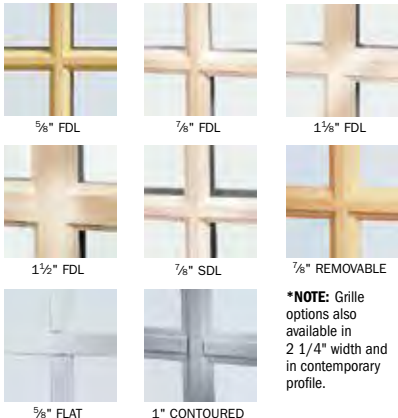

Weatherstrip

⑤ The sash replacement kit utilizes a foam weatherstrip on the bottom of the lower sash that forms a weather-tight seal against the sill filler when closed.

⑥ Hollow bulb weatherstrip forms a compression seal at the check rails and at the head.

*The mahogany name is representative of non-endangered African mahoganies.

Features & Options

7 Sash Locks	8 Insect Screens	9 Grilles
 <p>POLISHED BRASS</p> <p>BRONZE</p> <p>GOLD</p> <p>WHITE</p> <p>BLACK</p>		 <p>5/8" FDL</p> <p>7/8" FDL</p> <p>1 1/8" FDL</p> <p>1 1/2" FDL</p> <p>7/8" SDL</p> <p>7/8" REMOVABLE</p> <p>5/8" FLAT</p> <p>1" CONTOURED</p> <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p>
<p><i>Sash Lifts</i></p>  <p>POLISHED BRASS</p> <p>BRONZE</p> <p>GOLD</p> <p>WHITE</p> <p>BLACK</p>		<p>FDL = Full Divided Light*</p> <p>SDL = Simulated Divided Light*</p> <p>Removable = Removable interior wood grilles</p> <p>Flat = Finelight™ grilles-between-the-glass</p> <p>Contoured = Finelight grilles-between-the-glass</p> <p>See page 24 for more information on our grille options.</p>

Hardware

7 Sash replacement kits under 36" in width will receive one lock and one sash lift. Kits 36" to 48" in width will receive two locks and two sash lifts. Kits 48" and wider will require three locks and two sash lifts. Finishes are available in bronze, black, white, gold and polished brass.

Jamb Liner & Balancer System

Each kit utilizes a two-piece foam-backed jamb liner and a block and tackle balancer system. The sash tilt inward for easy cleaning. Beige or white jamb liners are available and are cut to the sill slope specified at time of order.

8 Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors and seven anodized finishes.

Available in half or full insect screens. Aluminum screen mesh is available as an option.

TruScene® insect screens available in all 50 exterior colors and seven anodized finishes.

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Finelight™ Grilles-Between-the-Glass.

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

































































































































Removable interior wood grilles.

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

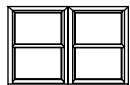
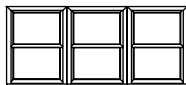
Measuring Guidelines

Measuring guidelines for double-hung and picture sash replacement kits can be found on andersenwindows.com/measure.

Double-Hung Window Sizes

RO FS	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"	4' 0 1/2"
	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"	4' 0"
3' 0 1/2"										
3' 0"										
3' 4"										
4' 0 1/2"										
4' 0"										
4' 6 1/2"										
4' 6"										
4' 9 1/2"										
4' 9"										
5' 0 1/2"										
5' 0"										
5' 1 1/2"										
5' 1"										

Joined Double-Hung Combinations

2-Wide			3-Wide		
					
Single Unit Frame Width	Rough Opening Width	Frame Width	Single Unit Frame Width	Rough Opening Width	Frame Width
1'-8"	3'-4 1/2"	3'-4"	1'-8"	5'-0 1/2"	5'-0"
2'-0"	4'-0 1/2"	4'-0"	2'-0"	6'-0 1/2"	6'-0"
2'-4"	4'-8 1/2"	4'-8"	2'-4"	7'-0 1/2"	7'-0"
2'-6"	5'-0 1/2"	5'-0"	2'-6"	7'-6 1/2"	7'-6"
2'-8"	5'-4 1/2"	5'-4"	2'-8"	8'-0 1/2"	8'-0"
3'-0"	6'-0 1/2"	6'-0"	3'-0"	9'-0 1/2"	9'-0"
3'-2"	6'-4 1/2"	6'-4"	3'-2"	9'-6 1/2"	9'-6"
3'-4"	6'-8 1/2"	6'-8"	3'-4"	10'-0 1/2"	10'-0"
3'-8"	7'-4 1/2"	7'-4"	3'-8"	11'-0 1/2"	11'-0"
4'-0"	8'-0 1/2"	8'-0"	4'-0"	12'-0 1/2"	12'-0"

NOTES

† These units meet or exceed the following dimensions:
Clear Opening Area 5.7 sq. ft., Clear Opening Width 20",
Clear Opening Height 24" and 44" maximum floor to sill
height (with standard 6'10-1/2" structural header height).
See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.









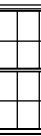








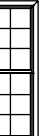
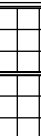









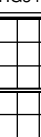








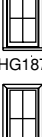
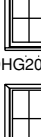
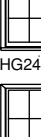
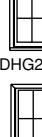
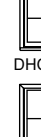
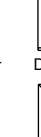
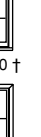
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Double-Hung Window Sizes

		1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"	4' 0 1/2"
		1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"	4' 0"
RO FS	5' 6 1/2"										
	5' 6"	DHG1856	DHG2056	DHG2456	DHG2656	DHG2856	DHG3056 †	DHG3256 †	DHG3456 †	DHG3856 †	DHG4056 †
	6' 0 1/2"										
	6' 0"	DHG1860	DHG2060	DHG2460	DHG2660	DHG2860 †	DHG3060 †	DHG3260 †	DHG3460 †	DHG3860 †	DHG4060 †
	6' 6 1/2"										
	6' 6"	DHG1866	DHG2066	DHG2466	DHG2666 †	DHG2866 †	DHG3066 †	DHG3266 †	DHG3466 †	DHG3866 †	
	7' 0 1/2"										
	7' 0"	DHG1870	DHG2070	DHG2470 †	DHG2670 †	DHG2870 †	DHG3070 †	DHG3270 †	DHG3470 †		
	7' 6 1/2"										
	7' 6"	DHG1876	DHG2076	DHG2476 †	DHG2676 †	DHG2876 †	DHG3076 †	DHG3276 †			

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

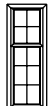








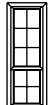
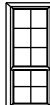







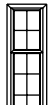



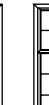





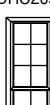




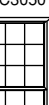


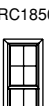








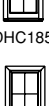
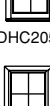
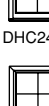

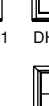
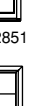
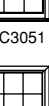





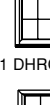
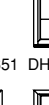
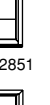
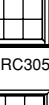





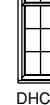





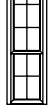
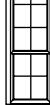







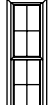








For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Cottage & Reverse Cottage Double-Hung Window Sizes

R.O. F.S.	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"
	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"
4' 6 1/2"									
	DHC1846	DHC2046	DHC2446	DHC2646	DHC2846	DHC3046	DHC3246	DHC3446	DHC3846
4' 6 1/2"									
	DHRC1846	DHRC2046	DHRC2446	DHRC2646	DHRC2846	DHRC3046	DHRC3246	DHRC3446	DHRC3846
5' 0"									
	DHC1850	DHC2050	DHC2450	DHC2650	DHC2850	DHC3050	DHC3250	DHC3450	DHC3850
5' 0"									
	DHRC1850	DHRC2050	DHRC2450	DHRC2650	DHRC2850	DHRC3050	DHRC3250	DHRC3450	DHRC3850
5' 1 1/2"									
	DHC1851	DHC2051	DHC2451	DHC2651	DHC2851	DHC3051	DHC3251	DHC3451	DHC3851
5' 1 1/2"									
	DHRC1851	DHRC2051	DHRC2451	DHRC2651	DHRC2851	DHRC3051	DHRC3251	DHRC3451	DHRC3851
5' 6"									
	DHC1856	DHC2056	DHC2456	DHC2656	DHC2856	DHC3056	DHC3256	DHC3456	DHC3856
5' 6"									
	DHRC1856	DHRC2056	DHRC2456	DHRC2656	DHRC2856	DHRC3056	DHRC3256	DHRC3456	DHRC3856
6' 0"									
	DHC1860	DHC2060	DHC2460	DHC2660	DHC2860	DHC3060	DHC3260	DHC3460	DHC3860
6' 0"									
	DHRC1860	DHRC2060	DHRC2460	DHRC2660	DHRC2860	DHRC3060	DHRC3260	DHRC3460	DHRC3860

NOTES

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.




































For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Double-Hung Picture Window Sizes

R.O. F.S.	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	4' 0 1/2"	5' 0 1/2"
	3' 0"	3' 2"	3' 4"	4' 0"	5' 0"
4' 0 1/2"					
	DHP3040	DHP3240	DHP3440	DHP4040	DHP5040
4' 6 1/2"					
	DHP3046	DHP3246	DHP3446	DHP4046	DHP5046
5' 0 1/2"					
	DHP3050	DHP3250	DHP3450	DHP4050	DHP5050
5' 1 1/2"					
	DHP3051	DHP3251	DHP3451	DHP4051	DHP5051
5' 6 1/2"					
	DHP3056	DHP3256	DHP3456	DHP4056	DHP5056
6' 0 1/2"					
	DHP3060	DHP3260	DHP3460	DHP4060	DHP5060
6' 6 1/2"					
	DHP3066	DHP3266	DHP3466	DHP4066	DHP5066

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.
























































For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

















































The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Double-Hung Transom Window Sizes

R.O. F.S.	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"	4' 0 1/2"	5' 0 1/2"
	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"	4' 0"	5' 0"
1' 2"											
	DHT1812	DHT2012	DHT2412	DHT2612	DHT2812	DHT3012	DHT3212	DHT3412	DHT3812	DHT4012	DHT5012
1' 4"											
	DHT1814	DHT2014	DHT2414	DHT2614	DHT2814	DHT3014	DHT3214	DHT3414	DHT3814	DHT4014	DHT5014
1' 6"											
	DHT1816	DHT2016	DHT2416	DHT2616	DHT2816	DHT3016	DHT3216	DHT3416	DHT3816	DHT4016	DHT5016
1' 8"											
	DHT1818	DHT2018	DHT2418	DHT2618	DHT2818	DHT3018	DHT3218	DHT3418	DHT3818	DHT4018	DHT5018
2' 0"											
	DHT1820	DHT2020	DHT2420	DHT2620	DHT2820	DHT3020	DHT3220	DHT3420	DHT3820	DHT4020	DHT5020

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Arch Single-Hung Window Sizes

	2'-0" $\frac{1}{2}$ "		4'-0" $\frac{1}{2}$ "		2'-4" $\frac{1}{2}$ "		4'-8" $\frac{1}{2}$ "		2'-6" $\frac{1}{2}$ "		5'-0" $\frac{1}{2}$ "	
	2'-0"		4'-0"		2'-4"		4'-8"		2'-6"		5'-0"	
	3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD	
3'-0" $\frac{1}{2}$ "												
3'-0"	RSHG2030	RSHG2030-2	RSHG2430	RSHG2430-2	RSHG2630	RSHG2630-2						
3'-4" $\frac{1}{2}$ "												
3'-4"	RSHG2034	RSHG2034-2	RSHG2434	RSHG2434-2	RSHG2634	RSHG2634-2						
4'-0" $\frac{1}{2}$ "												
4'-0"	RSHG2040	RSHG2040-2	RSHG2440	RSHG2440-2	RSHG2640	RSHG2640-2						
4'-6" $\frac{1}{2}$ "												
4'-6"	RSHG2046	RSHG2046-2	RSHG2446	RSHG2446-2	RSHG2646	RSHG2646-2						
5'-0" $\frac{1}{2}$ "												
5'-0"	RSHG2050	RSHG2050-2	RSHG2450	RSHG2450-2	RSHG2650	RSHG2650-2						
5'-1" $\frac{1}{2}$ "												
5'-1"	RSHG2051	RSHG2051-2	RSHG2451	RSHG2451-2	RSHG2651	RSHG2651-2						
5'-6" $\frac{1}{2}$ "												
5'-6"	RSHG2056	RSHG2056-2	RSHG2456	RSHG2456-2	RSHG2656	RSHG2656-2						
6'-0" $\frac{1}{2}$ "												
6'-0"	RSHG2060	RSHG2060-2	RSHG2460	RSHG2460-2	RSHG2660	RSHG2660-2						

NOTES

Units may be ordered with sash lifts if desired. Units 3'-0" and wider will use two sash lifts.

Bottom sash operates up and down and tilts inward for cleaning. Top sash is fixed.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

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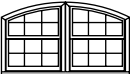



























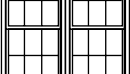

















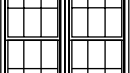



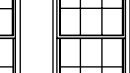







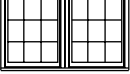



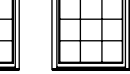







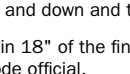

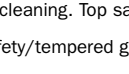

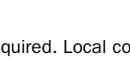

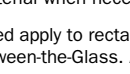

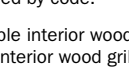

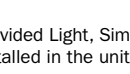

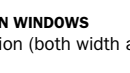

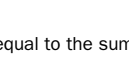

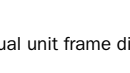






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FORMULA FOR COMBINATION WINDOWS

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The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Arch Single-Hung Window Sizes

R.O. R.S.	2'-8 1/2"		5'-4 1/2"		3'-0 1/2"		6'-0 1/2"		3'-2 1/2"		6'-4 1/2"	
	2'-8"		5'-4"		3'-0"		6'-0"		3'-2"		6'-4"	
	3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD	
3'-0 1/2"												
3'-0 1/2"												
3'-4 1/2"												
3'-4 1/2"												
4'-0 1/2"												
4'-0 1/2"												
4'-6 1/2"												
4'-6 1/2"												
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5'-1 1/2"												
5'-1 1/2"												
5'-6 1/2"												
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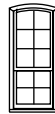
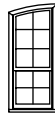



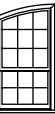
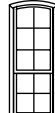
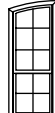



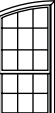

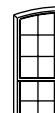



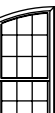
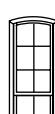
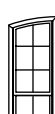
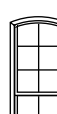
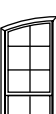
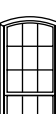
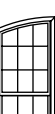


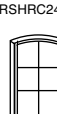



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The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Arch Reverse Cottage Single-Hung Window Sizes

R.O. F.S.	2'-0 1/2"		4'-0 1/2"		2'-4 1/2"		4'-8 1/2"		2'-6 1/2"		5'-0 1/2"	
	2'-0"		4'-0"		2'-4"		4'-8"		2'-6"		5'-0"	
	3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD	
4'-6 1/2"												
4'-6"												
5'-0 1/2"												
5'-0"												
5'-1 1/2"												
5'-1"												
5'-6 1/2"												
5'-6"												
6'-0 1/2"												
6'-0"												

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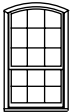
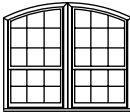
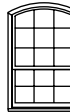
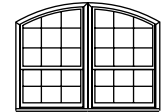
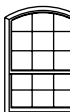
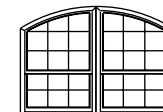
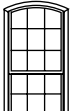
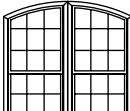
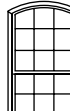
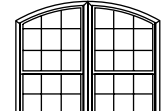

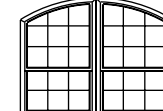
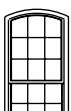
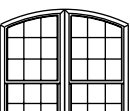
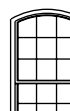
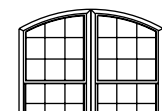
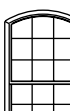
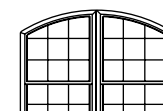
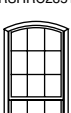
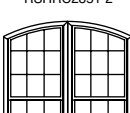

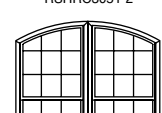
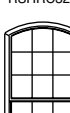
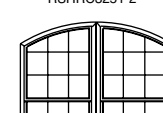



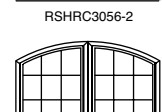


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R.O. F.S.	2'-8 1/2"		5'-4 1/2"		3'-0 1/2"		6'-0 1/2"		3'-2 1/2"		6'-4 1/2"	
	2'-8"		5'-4"		3'-0"		6'-0"		3'-2"		6'-4"	
4'-6 1/2"	3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD		3'-0" RAD		6'-0" RAD	
4'-6"												
	RSHRC2846		RSHRC2846-2		RSHRC3046		RSHRC3046-2		RSHRC3246		RSHRC3246-2	
5'-0 1/2"												
	RSHRC2850		RSHRC2850-2		RSHRC3050		RSHRC3050-2		RSHRC3250		RSHRC3250-2	
5'-1 1/2"												
	RSHRC2851		RSHRC2851-2		RSHRC3051		RSHRC3051-2		RSHRC3251		RSHRC3251-2	
5'-6 1/2"												
	RSHRC2856		RSHRC2856-2		RSHRC3056		RSHRC3056-2		RSHRC3256		RSHRC3256-2	
6'-0 1/2"												
	RSHRC2860		RSHRC2860-2		RSHRC3060		RSHRC3060-2		RSHRC3260		RSHRC3260-2	

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













































For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS










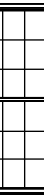






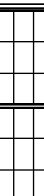


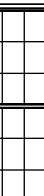


























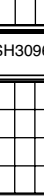


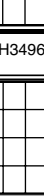
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Double-Hung Direct-Set Transom Window Sizes

R.O. F.S.	1' 8 1/2"		2' 0 1/2"		2' 4 1/2"		2' 6 1/2"		2' 8 1/2"		3' 0 1/2"		3' 2 1/2"		3' 4 1/2"		3' 8 1/2"		4' 0 1/2"		5' 0 1/2"	
	1' 8"		2' 0"		2' 4"		2' 6"		2' 8"		3' 0"		3' 2"		3' 4"		3' 8"		4' 0"		5' 0"	
1'-2"																						
	DAT1812		DAT2012		DAT2412		DAT2612		DAT2812		DAT3012		DAT3212		DAT3412		DAT3812		DAT4012		DAT5012	
1'-4"																						
	DAT1814		DAT2014		DAT2414		DAT2614		DAT2814		DAT3014		DAT3214		DAT3414		DAT3814		DAT4014		DAT5014	
1'-6"																						
	DAT1816		DAT2016		DAT2416		DAT2616		DAT2816		DAT3016		DAT3216		DAT3416		DAT3816		DAT4016		DAT5016	
1'-8"																						
	DAT1818		DAT2018		DAT2418		DAT2618		DAT2818		DAT3018		DAT3218		DAT3418		DAT3818		DAT4018		DAT5018	
2'-0 1/2"																						
	DAT1820		DAT2020		DAT2420		DAT2620		DAT2820		DAT3020		DAT3220		DAT3420		DAT3820		DAT4020		DAT5020	

Monumental Single-Hung Window Sizes

	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"	4' 0 1/2"
	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"	4' 0"
8' 0"										
	MSH1880	MSH2080	MSH2480	MSH2680	MSH2880	MSH3080 †	MSH3280 †	MSH3480 †	MSH3880 †	MSH4080 †
8' 6"										
	MSH1886	MSH2086	MSH2486	MSH2686	MSH2886	MSH3086 †	MSH3286 †	MSH3486 †	MSH3886 †	MSH4086 †
9' 0"										
	MSH1890	MSH2090	MSH2490	MSH2690	MSH2890	MSH3090 †	MSH3290 †	MSH3490 †	MSH3890 †	MSH4090 †
9' 6"										
	MSH1896	MSH2096	MSH2496	MSH2696	MSH2896	MSH3096 †	MSH3296 †	MSH3496 †	MSH3896 †	MSH4096 †
10' 0"										
	MSH18100	MSH20100	MSH24100	MSH26100	MSH28100	MSH30100 †	MSH32100 †	MSH34100 †	MSH38100 †	MSH40100 †

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

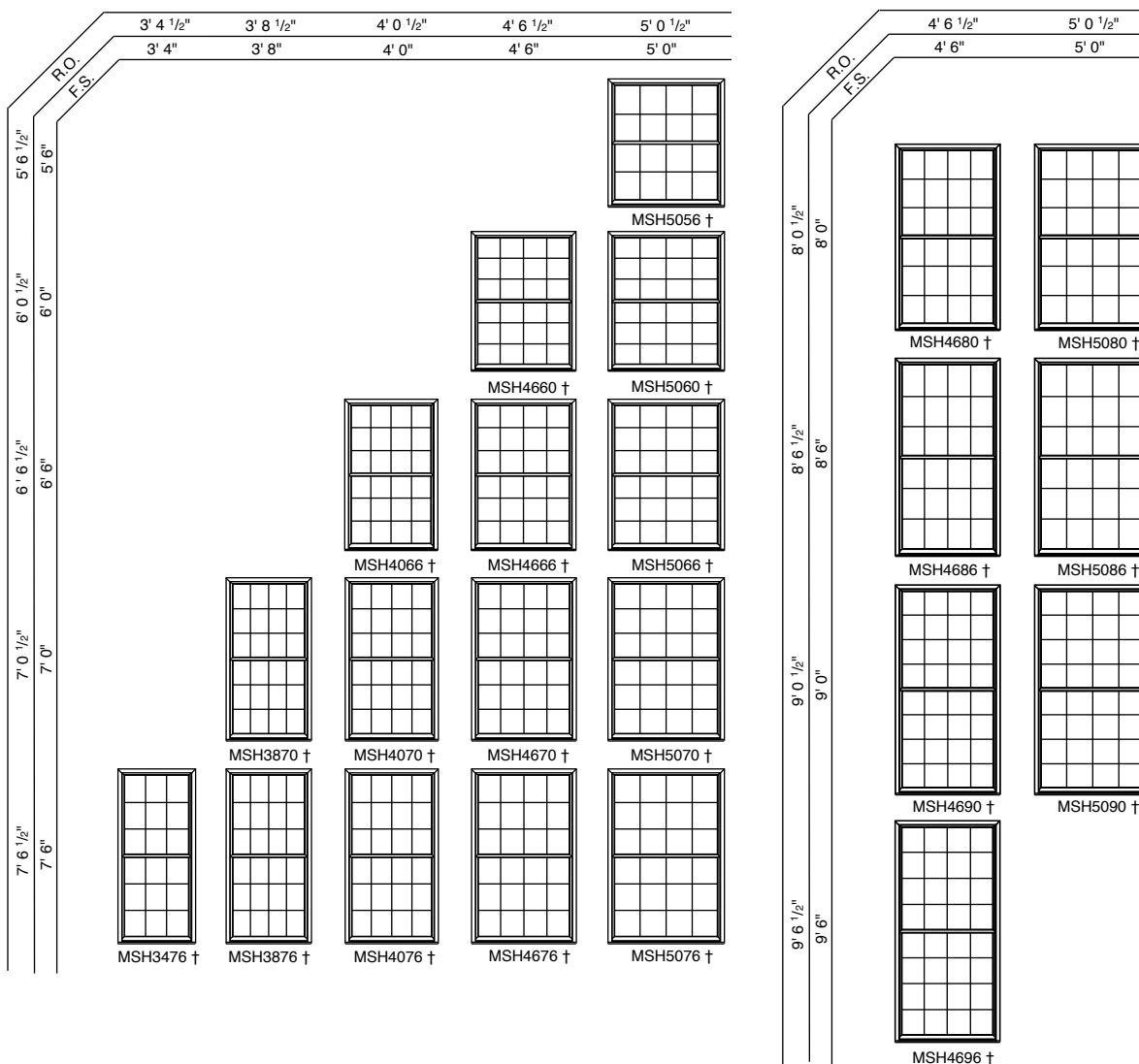
Bottom sash operates up and down, but does not tilt. Top sash is fixed.

Units equal to or greater than 8'0" tall are limited to 24" of clear opening height.

Sash Ratio: Standard units are equal light sash. However, Cottage and Reverse Cottage are available as an option with some limitations. Contact your local dealer for more information.

See notes on page 71 for more information.

Monumental Single-Hung Window Sizes



NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

Bottom sash operates up and down, but does not tilt. Top sash is fixed.

Units equal to or greater than 8'0" tall are limited to 24" of clear opening height.

Sash Ratio: Standard units are equal light sash. However, Cottage and Reverse Cottage are available as an option with some limitations. Contact your local dealer for more information.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

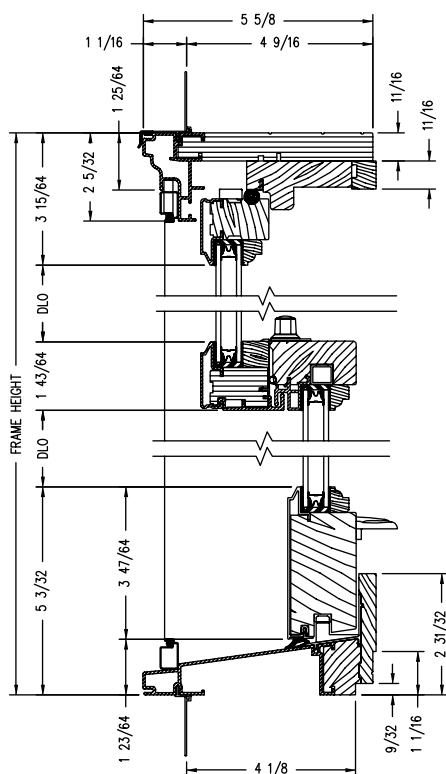
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

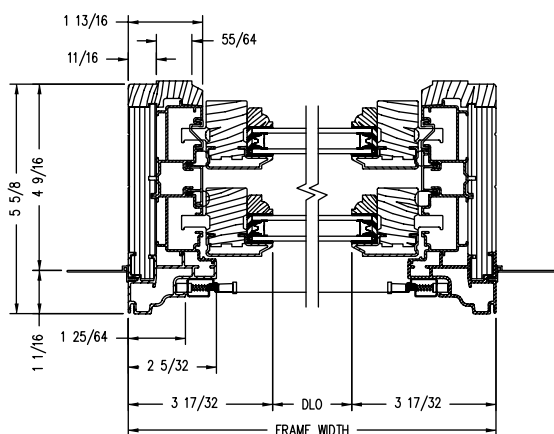
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Double-Hung



Vertical Section

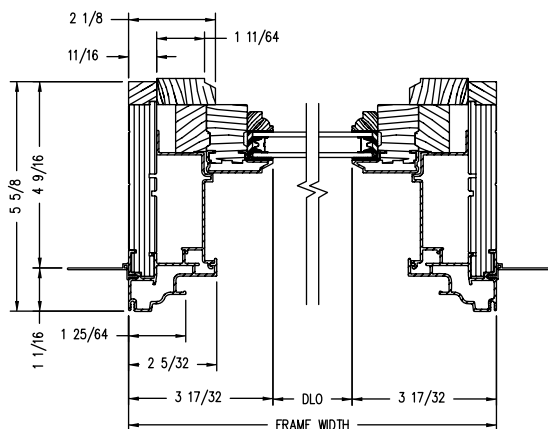


Horizontal Section

Technical drawing of a window frame cross-section. The drawing shows the internal structure of the frame, including the sash and the frame itself. Key dimensions are labeled:

- Top horizontal dimensions: $1\frac{1}{16}$, $4\frac{9}{16}$, and $5\frac{5}{8}$.
- Left vertical dimensions: $3\frac{5}{32}$, $2\frac{5}{32}$, and $1\frac{25}{64}$.
- Right vertical dimensions: $1\frac{1}{16}$ and 1 .
- Bottom horizontal dimensions: $4\frac{1}{8}$, $1\frac{1}{16}$, and $9\frac{3}{32}$.
- Bottom vertical dimensions: $5\frac{1}{16}$, $3\frac{47}{64}$, and $1\frac{21}{64}$.
- Other labels: "FRAME HEIGHT", "DLO", and "2 74/72".

Vertical Section

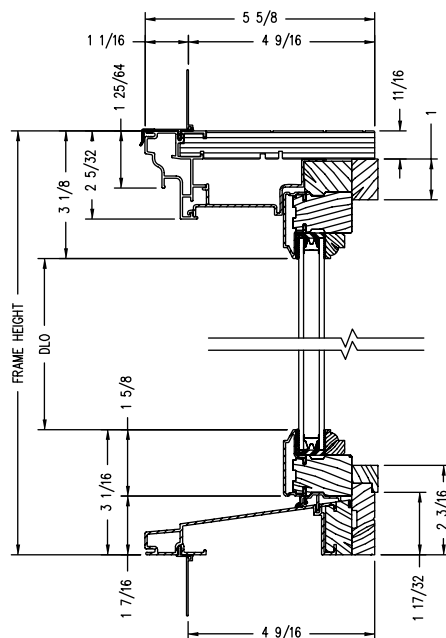


Horizontal Section

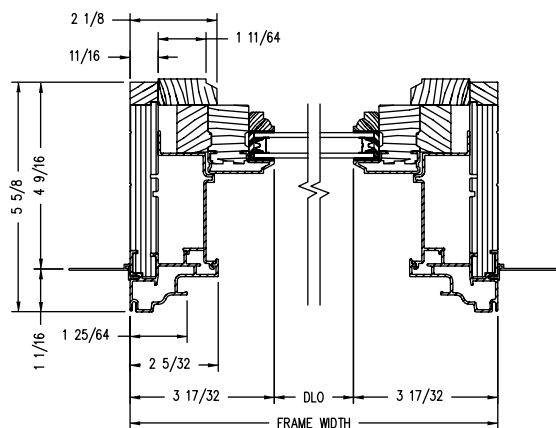
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Double-Hung Windows

Double-Hung Transom

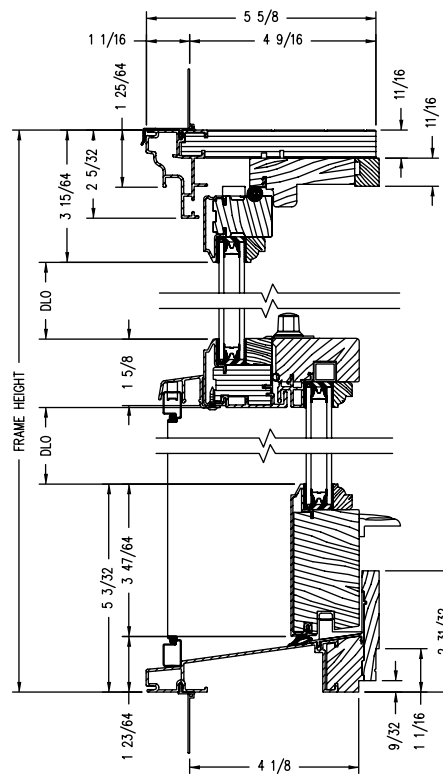


Vertical Section

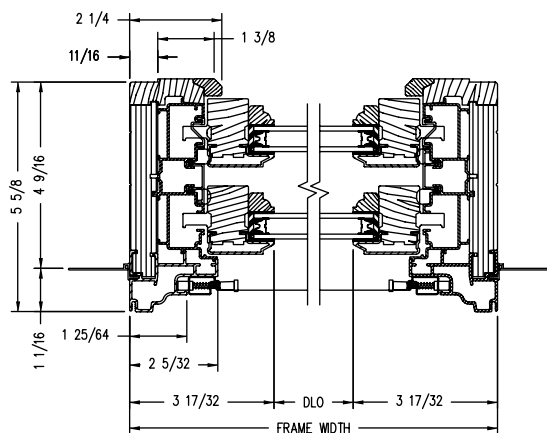


Horizontal Section

Monumental Single-Hung



Vertical Section



Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Technical drawing of a three-part mechanical assembly, likely a valve or actuator, shown in a cross-sectional view. The drawing includes the following dimensions:

- Top Section:**
 - Overall width: 4 13/16
 - Inner width: 4 15/32
 - Distance from left face to centerline: 2 5/32
 - Distance from centerline to right face: 3 1/4
 - Distance from left face to a specific feature: 1 7/32
 - Distance from top face to a specific feature: 1 11/16
 - Distance from that feature to the centerline: DLO
 - Distance from centerline to the right face: 1 3/8
- Middle Section:**
 - Distance from the top section to the centerline: DLO
- Bottom Section:**
 - Distance from the middle section to the bottom face: 5 3/32
 - Distance from the bottom face to a specific feature: 3 23/32
 - Distance from that feature to the right face: 1 7/8
 - Distance from the bottom face to the right face: 2 3/8
 - Distance from the bottom face to a specific feature: 1/2
 - Distance from the bottom face to the centerline: 3/8
 - Distance from the centerline to the right face: 4 15/32
 - Distance from the centerline to the left face: 4 13/16

The drawing also includes a vertical dimension line on the right side labeled "FRAME HEIGHT" and a horizontal dimension line at the bottom labeled "DLO".

Technical drawing of a three-part frame assembly, showing three views (top, side, and front) with dimensions in inches. The drawing includes a vertical dimension line on the right labeled "FRAME HEIGHT".

Top View Dimensions:

- Overall width: 4 13/16
- Distance from left edge to centerline: 4 15/32
- Distance from centerline to right edge: 3 1/4
- Distance from left edge to first vertical section: 2 5/32
- Distance from first vertical section to second vertical section: 19/32
- Distance from second vertical section to right edge: 1/2
- Distance from left edge to centerline (bottom): 1 11/16
- Distance from centerline to right edge (bottom): D.O.

Side View Dimensions:

- Overall height: 1 3/8
- Distance from top edge to centerline: 3 1/4
- Distance from centerline to bottom edge: D.O.

Front View Dimensions:

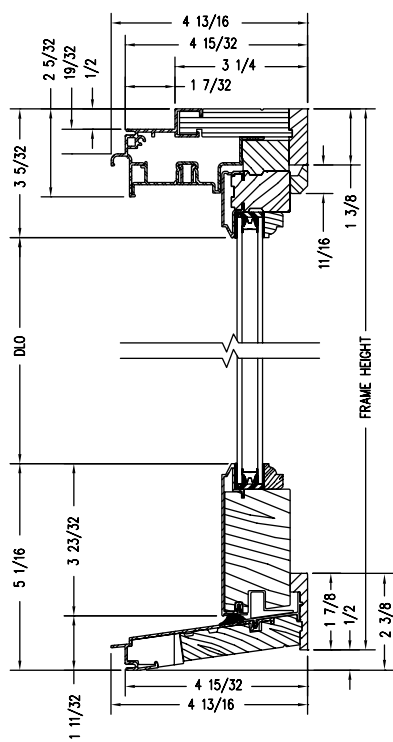
- Overall height: 1 7/8
- Distance from top edge to centerline: 2 3/8
- Distance from centerline to bottom edge: 1/2
- Distance from left edge to centerline: 4 15/32
- Distance from centerline to right edge: 4 13/16
- Distance from left edge to first vertical section: 5 3/32
- Distance from first vertical section to second vertical section: 3 23/32
- Distance from second vertical section to right edge: 3/8

Technical drawing of a double door assembly showing cross-sections and dimensions. The drawing includes the following dimensions:

- Top left: 1 13/16, 1 9/16
- Left side (vertical): 4 15/32, 1 7/32, 3 1/4
- Bottom left: 1/2, 19/32, 1 3/32
- Bottom center: 3 17/32, DLO, 3 17/32
- Bottom right: 3 17/32
- Bottom label: FRAME WIDTH

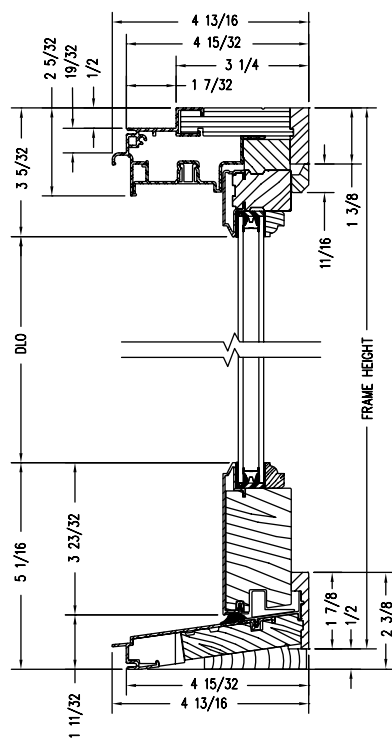
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Double-Hung Picture Insert Windows

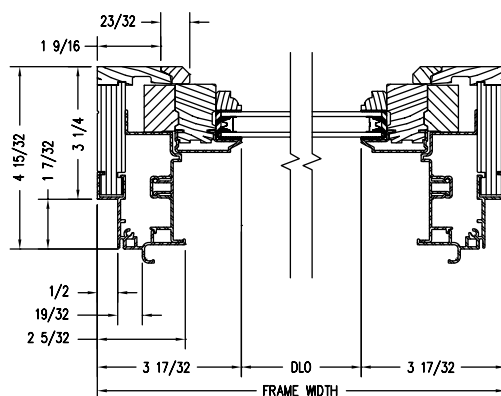


Vertical Section

(For sill angles 8° and greater)



Vertical Section (For sill angles less than 8°)



Horizontal Section

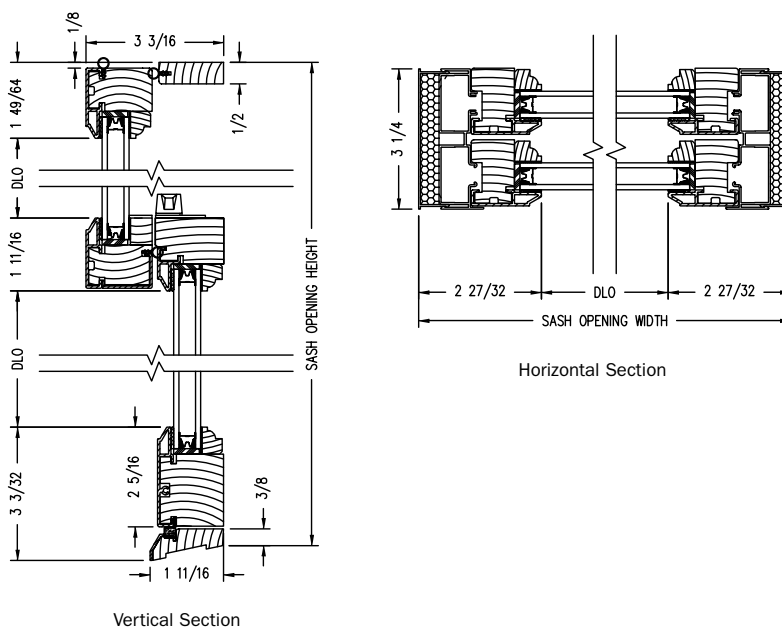
Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

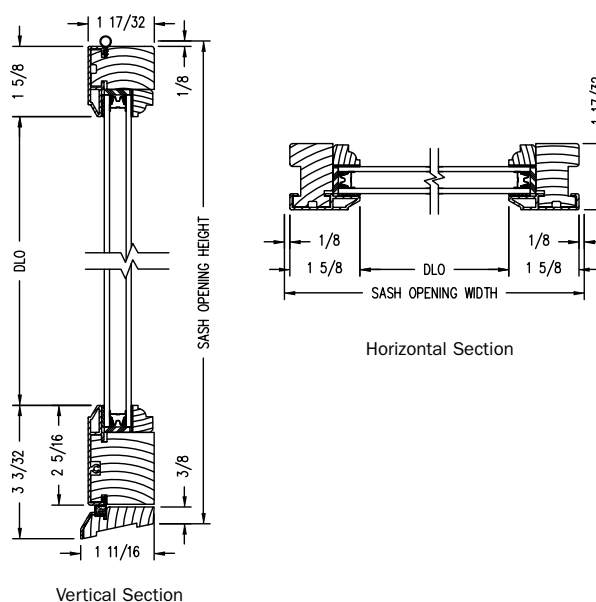
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Double-Hung Sash Replacement Kits

Double-Hung Sash Replacement



Double-Hung Picture Sash Replacement



Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

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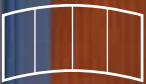


CLEAR ANODIZED

EXTERIOR


CONFIGURATION

BOW



Bay & Bow Windows

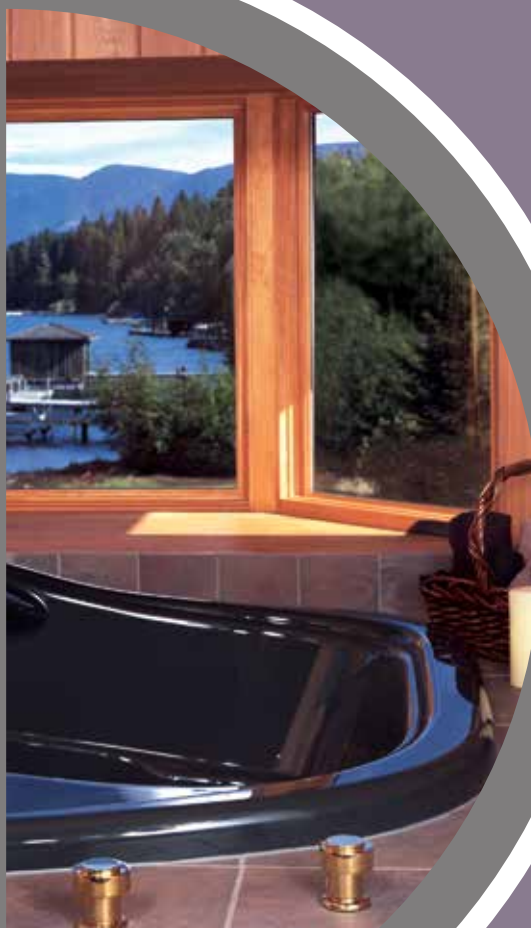
A welcoming addition, E-Series bay and bow windows feature head and seat boards in your wood selection, and provide a focal point that is architecturally consistent inside and out.



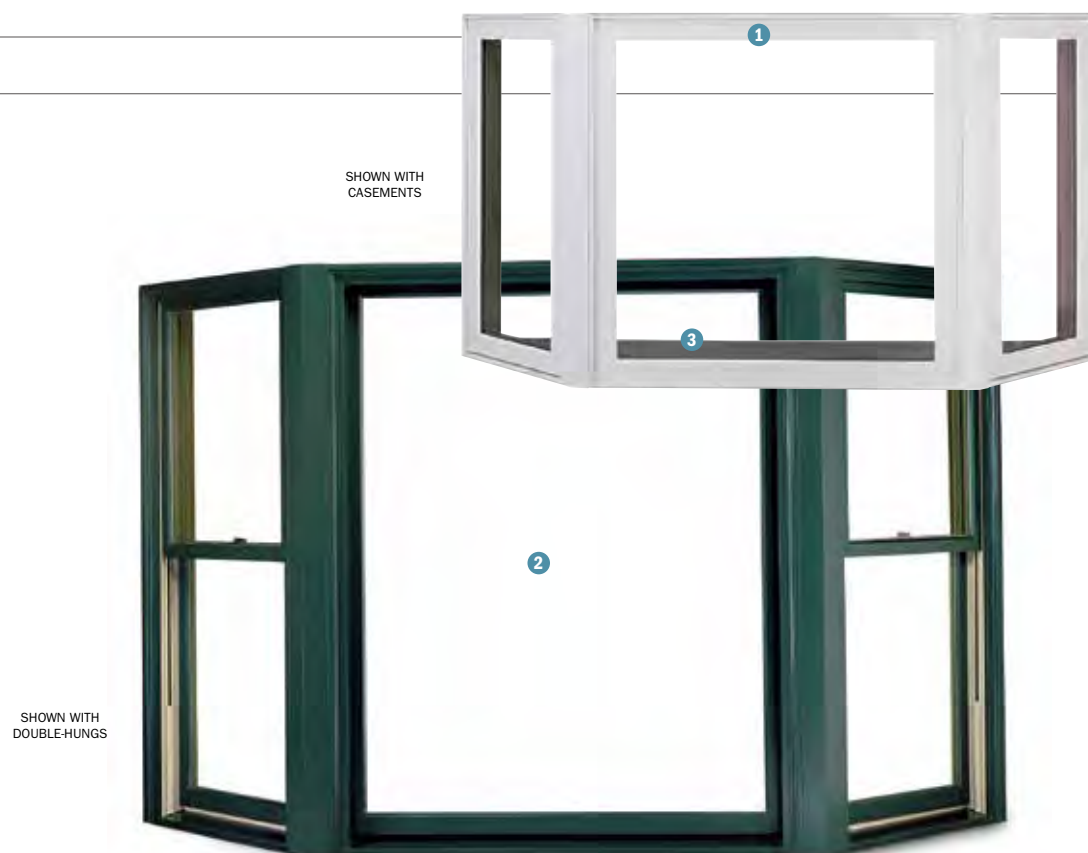
**Consistent sight line
when integrated with
E-Series double-hung
or casement windows**

**All inclusive accessory metals
package for bay or bow “kit”**

**Creates spacious feel
to any room**



Bay & Bow Windows



Frame & Sash

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Glazing

② High-Performance Low-E4* glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops are available in ovolo (colonial) and contemporary profiles.

Weatherstrip

Compression bulb weatherstrip is applied for a maximum weather seal.

Head & Seat Boards

③ Wood head and seat boards are available in birch or oak.

Hardware

④ See casement or double-hung sections for detailed hardware options.

Window Anchorage

Support is required underneath all bay and bow units. We offer a cable support system for your use. Insulated platforms and brackets are not included.

⑤ Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame. Aluminum screen mesh is available as an option.

See casement or double-hung sections for additional insect screen options.

Cable Support System



*The mahogany name is representative of non-endangered African mahoganies.

Features & Options

<p>4</p> <p><i>Casement Operator Handles & Covers</i></p> <p>BRONZE POLISHED BRASS GOLD WHITE BLACK ANTIQUE BRASS PEWTER OIL RUBBED BRONZE SATIN CHROME BRIGHT CHROME</p>	<p><i>Casement Sash Locks</i></p> <p>BRONZE POLISHED BRASS GOLD WHITE BLACK ANTIQUE BRASS PEWTER OIL RUBBED BRONZE SATIN CHROME BRIGHT CHROME</p>	<p>5</p> <p><i>Insect Screens</i></p> <p>6</p> <p><i>Grilles</i></p> <p>5/8" FDL 7/8" FDL 1 1/8" FDL 1 1/2" FDL 7/8" SDL 7/8" REMOVABLE 5/8" FLAT 1" CONTOURED</p> <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p> <p>FDL=Full Divided Light* SDL=Simulated Divided Light* Removable=Removable interior wood grilles</p> <p>Flat=Finelight™ grilles-between-the-glass Contoured=Finelight grilles-between-the-glass</p> <p>See page 24 for more information on our grille options.</p>
<p><i>Double-Hung Sash Lifts</i></p> <p>BRONZE POLISHED BRASS GOLD WHITE BLACK ANTIQUE BRASS PEWTER OIL RUBBED BRONZE SATIN CHROME BRIGHT CHROME</p>	<p><i>Double-Hung Sash Locks</i></p> <p>BRONZE POLISHED BRASS GOLD WHITE BLACK ANTIQUE BRASS PEWTER OIL RUBBED BRONZE SATIN CHROME BRIGHT CHROME</p>	

6 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo (colonial) or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/

sierra bronze or colony white/forest green are available on the 1" profile.

Removable interior wood grilles. Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

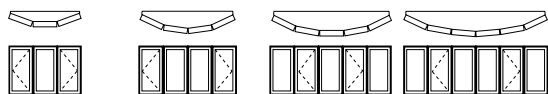
Privacy Options

System 3 Blinds (Casement only). A 5/8" aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy-efficiency. Available in four colors.

Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

System 3 Shades (Casement only). Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light. See page 27 for more details.

10° Casement Bow Window Sizes



HEIGHT	WIDTH				
	Rough Opg.	3-WIDE 4'-6 3/16"	4-WIDE 5'-11 5/8"	5-WIDE 7'-4 9/16"	6-WIDE 8'-8 3/4"
	3'-0 1/2"	15 3/4 30-3	15 3/4 30-4	15 3/4 30-5	15 3/4 30-6
	3'-4 1/2"	15 3/4 34-3	15 3/4 34-4	15 3/4 34-5	15 3/4 34-6
	4'-0 1/2"	15 3/4 40-3	15 3/4 40-4	15 3/4 40-5	15 3/4 40-6
	4'-6 1/2"	15 3/4 46-3	15 3/4 46-4	15 3/4 46-5	15 3/4 46-6
	5'-0 1/2"	15 3/4 50-3	15 3/4 50-4	15 3/4 50-5	15 3/4 50-6
	5'-6 1/2"	15 3/4 56-3	15 3/4 56-4	15 3/4 56-5	15 3/4 56-6
	6'-0 1/2"	15 3/4 60-3	15 3/4 60-4	15 3/4 60-5	15 3/4 60-6
	Projection	0'-3 5/32"	0'-6 1/4"	0'-9 11/32"	1'-1 15/16"
	Rough Opg.	5'-0 7/8"	6'-8 1/2"	8'-3 7/16"	9'-9 11/16"
	3'-0 1/2"	1830-3	1830-4	1830-5	1830-6
	3'-4 1/2"	1834-3	1834-4	1834-5	1834-6
	4'-0 1/2"	1840-3	1840-4	1840-5	1840-6
	4'-6 1/2"	1846-3	1846-4	1846-5	1846-6
	5'-0 1/2"	1850-3	1850-4	1850-5	1850-6
	5'-6 1/2"	1856-3	1856-4	1856-5	1856-6
	6'-0 1/2"	1860-3	1860-4	1860-5	1860-6
	Projection	0'-3 9/16"	0'-7 1/32"	0'-10 1/2"	1'-3 21/32"
	Rough Opg.	6'-0 3/4"	8'-0 3/16"	9'-10 7/8"	11'-8 5/8"
	3'-0 1/2"	2030-3	2030-4	2030-5	2030-6
	3'-4 1/2"	2034-3	2034-4	2034-5	2034-6
	4'-0 1/2"	2040-3	2040-4	2040-5	2040-6
	4'-6 1/2"	2046-3	2046-4	2046-5	2046-6
	5'-0 1/2"	2050-3	2050-4	2050-5	2050-6
	5'-6 1/2"	2056-3	2056-4	2056-5	2056-6
	6'-0 1/2"	2060-3	2060-4	2060-5	2060-6
	Projection	0'-4 1/4"	0'-8 13/32"	1'-0 9/16"	1'-6 3/4"
	Rough Opg.	7'-0 5/8"	9'-3 7/8"	11'-6 1/4"	
	3'-0 1/2"	2430-3	2430-4	2430-5	-----
	3'-4 1/2"	2434-3	2434-4	2434-5	-----
	4'-0 1/2"	2440-3	2440-4	2440-5	-----
	4'-6 1/2"	2446-3	2446-4	2446-5	-----
	5'-0 1/2"	2450-3	2450-4	2450-5	-----
	5'-6 1/2"	2456-3	2456-4	2456-5	-----
	6'-0 1/2"	2460-3	2460-4	2460-5	-----
	Projection	0'-4 15/16"	0'-9 13/16"	1'-2 5/8"	-----
	Rough Opg.	7'-6 9/16"	9'-11 11/16"	12'-3 15/16"	
	3'-0 1/2"	2630-3	2630-4	2630-5	-----
	3'-4 1/2"	2634-3	2634-4	2634-5	-----
	4'-0 1/2"	2640-3	2640-4	2640-5	-----
	4'-6 1/2"	2646-3	2646-4	2646-5	-----
	5'-0 1/2"	2650-3	2650-4	2650-5	-----
	5'-6 1/2"	2656-3	2656-4	2656-5	-----
	6'-0 1/2"	2660-3	2660-4	2660-5	-----
	Projection	0'-5 5/16"	0'-10 1/2"	1'-3 21/32"	-----

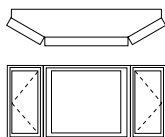
NOTES

Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

Insulated platforms and brackets are not included.

30° Casement Angle Bay Window Sizes



NOTES

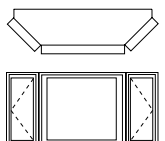
Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units.
For additional support, we offer a cable support system.

Insulated platforms and brackets are not included.

WIDTH							
30 Degree Casement Angle Bay Units							
HEIGHT	Rough Opg.	6'-5 11/16"	7'-1 11/16"	8'-1 11/16"	7'-0 5/8"	7'-8 5/8"	8'-8 5/8"
		1'-8" Wide Flanker Units			2'-0" Wide Flanker Units		
		3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center
	4'-0 1/2"	1840/3440/1840	1840/4040/1840	1840/5040/1840	2040/3440/2040	2040/4040/2040	2040/5040/2040
	4'-6 1/2"	1846/3446/1846	1846/4046/1846	1846/5046/1846	2046/3446/2046	2046/4046/2046	2046/5046/2046
	5'-0 1/2"	1850/3450/1850	1850/4050/1850	1850/5050/1850	2050/3450/2050	2050/4050/2050	2050/5050/2050
	5'-6 1/2"	1856/3456/1856	1856/4056/1856	1856/5056/1856	2056/3456/2056	2056/4056/2056	2056/5056/2056
	6'-0 1/2"	1860/3460/1860	1860/4060/1860	1860/5060/1860	2060/3460/2060	2060/4060/2060	2060/5060/2060
	Projection	0'-10 17/32"	0'-10 17/32"	0'-10 17/32"	1'-0 17/32"	1'-0 17/32"	1'-0 17/32"
	Rough Opg.	7'-7 9/16"	8'-3 9/16"	9'-3 9/16"	7'-11"	8'-7"	9'-7"
		2'-4" Wide Flanker Units			2'-6" Wide Flanker Units		
		3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center
	4'-0 1/2"	2440/3440/2440	2440/4040/2440	2440/5040/2440	2640/3440/2640	2640/4040/2640	2640/5040/2640
	4'-6 1/2"	2446/3446/2446	2446/4046/2446	2446/5046/2446	2646/3446/2646	2646/4046/2646	2646/5046/2646
	5'-0 1/2"	2450/3450/2450	2450/4050/2450	2450/5050/2450	2650/3450/2650	2650/4050/2650	2650/5050/2650
	5'-6 1/2"	2456/3456/2456	2456/4056/2456	2456/5056/2456	2656/3456/2656	2656/4056/2656	2656/5056/2656
	6'-0 1/2"	2460/3460/2460	2460/4060/2460	2460/5060/2460	2660/3460/2660	2660/4060/2660	2660/5060/2660
	Projection	1'-2 17/32"	1'-2 17/32"	1'-2 17/32"	1'-3 17/32"	1'-3 17/32"	1'-3 17/32"

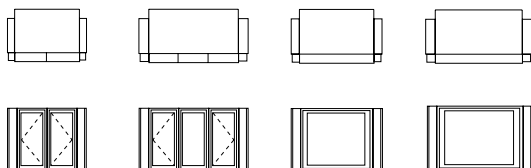
45° Casement Angle Bay Window Sizes



WIDTH							
45 Degree Casement Angle Bay Units							
HEIGHT	Rough Opg.	6'-0 3/4"	6'-8 3/4"	7'-8 3/4"	6'-6 3/8"	7'-2 3/8"	8'-2 3/8"
		1'-8" Wide Flanker Units			2'-0" Wide Flanker Units		
		3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center
	4'-0 1/2"	1840/3440/1840	1840/4040/1840	1840/5040/1840	2040/3440/2040	2040/4040/2040	2040/5040/2040
	4'-6 1/2"	1846/3446/1846	1846/4046/1846	1846/5046/1846	2046/3446/2046	2046/4046/2046	2046/5046/2046
	5'-0 1/2"	1850/3450/1850	1850/4050/1850	1850/5050/1850	2050/3450/2050	2050/4050/2050	2050/5050/2050
	5'-6 1/2"	1856/3456/1856	1856/4056/1856	1856/5056/1856	2056/3456/2056	2056/4056/2056	2056/5056/2056
	6'-0 1/2"	1860/3460/1860	1860/4060/1860	1860/5060/1860	2060/3460/2060	2060/4060/2060	2060/5060/2060
	Projection	1'-3 5/32"	1'-3 5/32"	1'-3 5/32"	1'-6"	1'-6"	1'-6"
	Rough Opg.	7'-0"	7'-8"	8'-8"	7'-2 7/8"	7'-10 7/8"	8'-10 7/8"
		2'-4" Wide Flanker Units			2'-6" Wide Flanker Units		
		3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center
	4'-0 1/2"	2440/3440/2440	2440/4040/2440	2440/5040/2440	2640/3440/2640	2640/4040/2640	2640/5040/2640
	4'-6 1/2"	2446/3446/2446	2446/4046/2446	2446/5046/2446	2646/3446/2646	2646/4046/2646	2646/5046/2646
	5'-0 1/2"	2450/3450/2450	2450/4050/2450	2450/5050/2450	2650/3450/2650	2650/4050/2650	2650/5050/2650
	5'-6 1/2"	2456/3456/2456	2456/4056/2456	2456/5056/2456	2656/3456/2656	2656/4056/2656	2656/5056/2656
	6'-0 1/2"	2460/3460/2460	2460/4060/2460	2460/5060/2460	2660/3460/2660	2660/4060/2660	2660/5060/2660
	Projection	1'-8 13/16"	1'-8 13/16"	1'-8 13/16"	1'-10 7/32"	1'-10 7/32"	1'-10 7/32"

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

90° Casement Box Bay Window Sizes



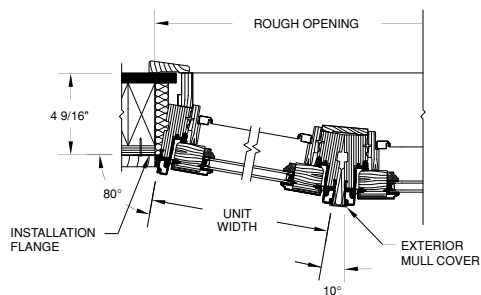
HEIGHT	WIDTH				
	Rough Openings	3'-0"	4'-5 3/4"	4'-0 1/2"	5'-0 1/2"
		15 3/4-2 Center	15 3/4 -3 Center	4'-0" Center	5'-0" Center
	3'-0 1/2"	15 3/4 30-2	15 3/4 30-3	4030	5030
	4'-0 1/2"	15 3/4 40-2	15 3/4 40-3	4040	5040
	5'-0 1/2"	15 3/4 50-2	15 3/4 50-3	4050	5050
	Projection	1'-10 7/8"	1'-10 7/8"	1'-10 7/8"	1'-10 7/8"
1'-5 3/4" wide operating casement flankers are standard on all box bay units.					

NOTES

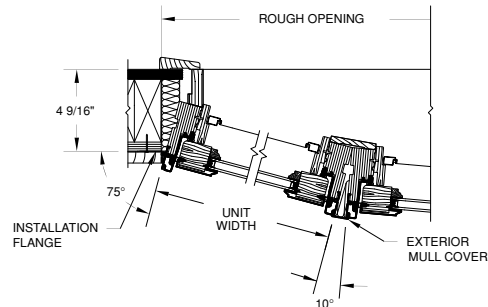
Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

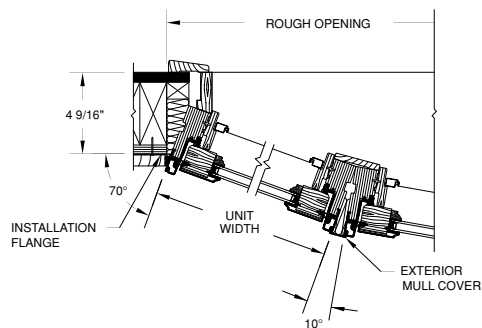
Insulated platforms and brackets are not included.

3-Wide 10° Casement Bow Windows

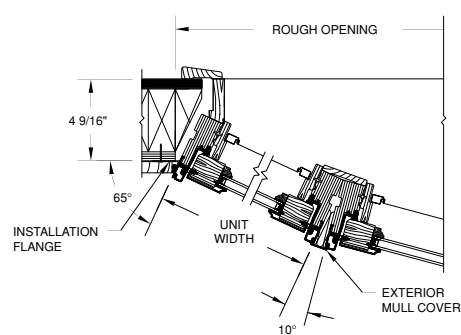
Horizontal Section

4-Wide 10° Casement Bow Windows

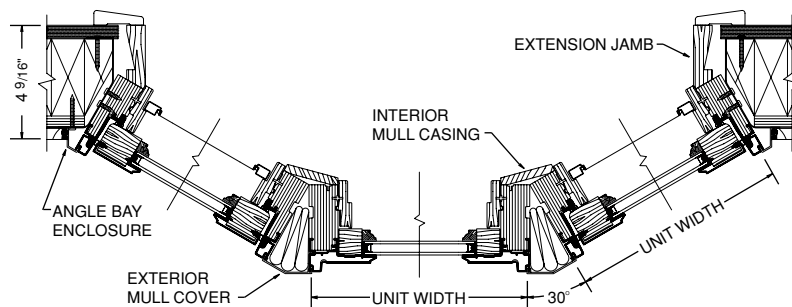
Horizontal Section

5-Wide 10° Casement Bow Windows

Horizontal Section

6-Wide 10° Casement Bow Windows

Horizontal Section

30° Casement Angle Bay Windows

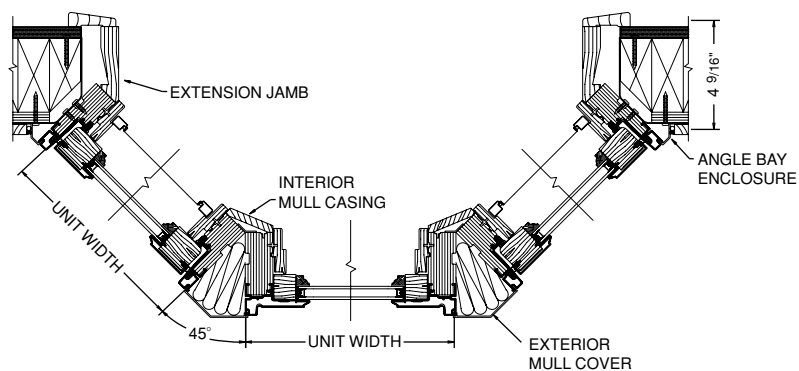
Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

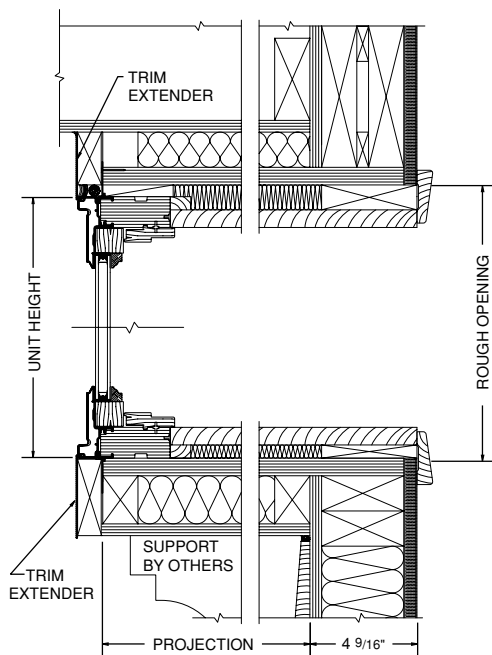
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

45° Casement Angle Bay Windows



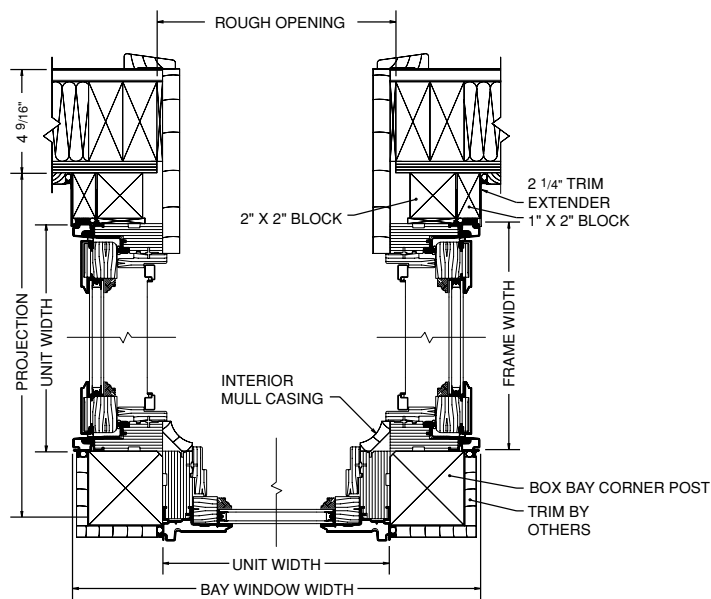
Horizontal Section

Casement Bay/Bow Windows



Vertical Section

90° Casement Box Bay Windows



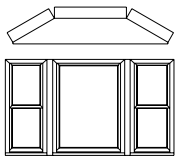
Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

30° Double-Hung Angle Bay Window Sizes



		WIDTH					
		30 Degree Double-Hung Angle Bay Units					
HEIGHT	Rough Opg.	6'-3 11/16"	6'-5 11/16"	6'-7 11/16"	7'-3 11/16"	8'-3 11/16"	
		1'-8" Wide Flanker Units					
		3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center	
	4'-0 1/2"	1840/3040/1840	1840/3240/1840	1840/3440/1840	1840/4040/1840	1840/5040/1840	
	4'-6 1/2"	1846/3046/1846	1846/3246/1846	1846/3446/1846	1846/4046/1846	1846/5046/1846	
	4'-9 1/2"	1849/3049/1849	1849/3249/1849	1849/3449/1849	1849/4049/1849	1849/5049/1849	
	5'-0 1/2"	1850/3050/1850	1850/3250/1850	1850/3450/1850	1850/4050/1850	1850/5050/1850	
	5'-1 1/2"	1851/3051/1851	1851/3251/1851	1851/3451/1851	1851/4051/1851	1851/5051/1851	
	5'-6 1/2"	1856/3056/1856	1856/3256/1856	1856/3456/1856	1856/4056/1856	1856/5056/1856	
	6'-0 1/2"	1860/3060/1860	1860/3260/1860	1860/3460/1860	1860/4060/1860	1860/5060/1860	
	Projection	0'-10 3/4"	0'-10 3/4"	0'-10 3/4"	0'-10 3/4"	0'-10 3/4"	
	Rough Opg.	6'-10 5/8"	7'- 0 5/8"	7'-2 5/8"	7'-10 5/8"	8'-10 5/8"	
		2'-0" Wide Flanker Units					
		3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center	
4'-0 1/2"		2040/3040/2040	2040/3240/2040	2040/3440/2040	2040/4040/2040	2040/5040/2040	
4'-6 1/2"		2046/3046/2046	2046/3246/2046	2046/3446/2046	2046/4046/2046	2046/5046/2046	
4'-9 1/2"		2049/3049/2049	2049/3249/2049	2049/3449/2049	2049/4049/2049	2049/5049/2049	
5'-0 1/2"		2050/3050/2050	2050/3250/2050	2050/3450/2050	2050/4050/2050	2050/5050/2050	
5'-1 1/2"		2051/3051/2051	2051/3251/2051	2051/3451/2051	2051/4051/2051	2051/5051/2051	
5'-6 1/2"		2056/3056/2056	2056/3256/2056	2056/3456/2056	2056/4056/2056	2056/5056/2056	
6'-0 1/2"		2060/3060/2060	2060/3260/2060	2060/3460/2060	2060/4060/2060	2060/5060/2060	
Projection		1'-0 3/4"	1'-0 3/4"	1'-0 3/4"	1'-0 3/4"	1'-0 3/4"	
Rough Opg.		7'-5 1/2"	7'-7 1/2"	7'-9 1/2"	8'-5 1/2"	9'-5 1/2"	
		2'-4" Wide Flanker Units					
		3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center	
	4'-0 1/2"	2440/3040/2440	2440/3240/2440	2440/3440/2440	2440/4040/2440	2440/5040/2440	
	4'-6 1/2"	2446/3046/2446	2446/3246/2446	2446/3446/2446	2446/4046/2446	2446/5046/2446	
	4'-9 1/2"	2449/3049/2449	2449/3249/2449	2449/3449/2449	2449/4049/2449	2449/5049/2449	
	5'-0 1/2"	2450/3050/2450	2450/3250/2450	2450/3450/2450	2450/4050/2450	2450/5050/2450	
	5'-1 1/2"	2451/3051/2451	2451/3251/2451	2451/3451/2451	2451/4051/2451	2451/5051/2451	
	5'-6 1/2"	2456/3056/2456	2456/3256/2456	2456/3456/2456	2456/4056/2456	2456/5056/2456	
	6'-0 1/2"	2460/3060/2460	2460/3260/2460	2460/3460/2460	2460/4060/2460	2460/5060/2460	
	Projection	1'-2 3/4"	1'-2 3/4"	1'-2 3/4"	1'-2 3/4"	1'-2 3/4"	

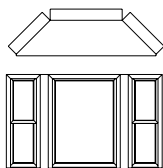
NOTES

Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

Insulated platforms and brackets are not included.

45° Double-Hung Angle Bay Window Sizes



WIDTH					
45 Degree Double-Hung Angle Bay Units					
Rough Opg.	5'-11 1/16"	6'-1 1/16"	6'-3 1/16"	6'-11 1/16"	7'-11 1/16"
4'-0 1/2"	1'-8" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
	1840/3040/1840	1840/3240/1840	1840/3440/1840	1840/4040/1840	1840/5040/1840
	4'-6 1/2"	1846/3046/1846	1846/3246/1846	1846/3446/1846	1846/4046/1846
	1846/5046/1846	1849/3049/1849	1849/3249/1849	1849/3449/1849	1849/4049/1849
	1849/5049/1849	1850/3050/1850	1850/3250/1850	1850/3450/1850	1850/4050/1850
	1850/5050/1850	1851/3051/1851	1851/3251/1851	1851/3451/1851	1851/4051/1851
	1851/5051/1851	1856/3056/1856	1856/3256/1856	1856/3456/1856	1856/4056/1856
	1856/5056/1856	1860/3060/1860	1860/3260/1860	1860/4060/1860	1860/5060/1860
Projection	1'-3 11/16"	1'-3 11/16"	1'-3 11/16"	1'-3 11/16"	1'-3 11/16"
HEIGHT					
Rough Opg.	6'-4 3/4"	6'-6 3/4"	6'-8 3/4"	7'-4 3/4"	8'-4 3/4"
4'-0 1/2"	2'-0" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
	2040/3040/2040	2040/3240/2040	2040/3440/2040	2040/4040/2040	2040/5040/2040
	4'-6 1/2"	2046/3046/2046	2046/3246/2046	2046/3446/2046	2046/4046/2046
	2046/5046/2046	2049/3049/2049	2049/3249/2049	2049/3449/2049	2049/4049/2049
	2049/5049/2049	2050/3050/2050	2050/3250/2050	2050/3450/2050	2050/4050/2050
	2050/5050/2050	2051/3051/2051	2051/3251/2051	2051/3451/2051	2051/4051/2051
	2051/5051/2051	2056/3056/2056	2056/3256/2056	2056/3456/2056	2056/4056/2056
	2056/5056/2056	2060/3060/2060	2060/3260/2060	2060/4060/2060	2060/5060/2060
Projection	1'-6 1/2"	1'-6 1/2"	1'-6 1/2"	1'-6 1/2"	1'-6 1/2"
Rough Opg.	6'-10 3/8"	7'-0 3/8"	7'-2 3/8"	7'-10 3/8"	8'-10 3/8"
4'-0 1/2"	2'-4" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
	2440/3040/2440	2440/3240/2440	2440/3440/2440	2440/4040/2440	2440/5040/2440
	4'-6 1/2"	2446/3046/2446	2446/3246/2446	2446/3446/2446	2446/4046/2446
	2446/5046/2446	2449/3049/2449	2449/3249/2449	2449/3449/2449	2449/4049/2449
	2449/5049/2449	2450/3050/2450	2450/3250/2450	2450/3450/2450	2450/4050/2450
	2450/5050/2450	2451/3051/2451	2451/3251/2451	2451/3451/2451	2451/4051/2451
	2451/5051/2451	2456/3056/2456	2456/3256/2456	2456/3456/2456	2456/4056/2456
	2456/5056/2456	2460/3060/2460	2460/3260/2460	2460/4060/2460	2460/5060/2460
Projection	1'-9 11/32"	1'-9 11/32"	1'-9 11/32"	1'-9 11/32"	1'-9 11/32"

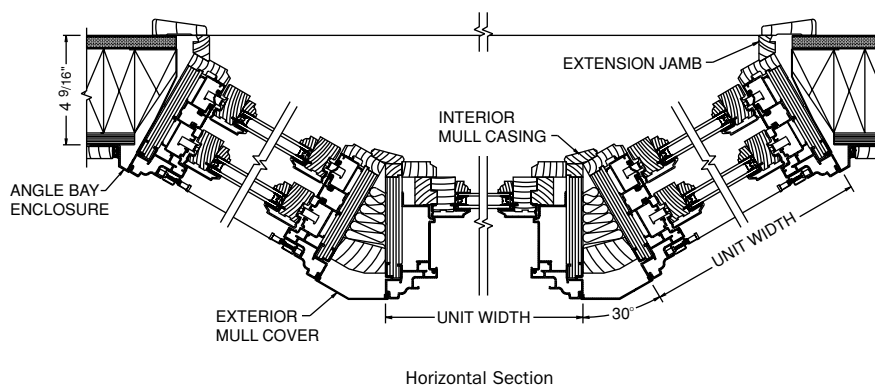
NOTES

Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

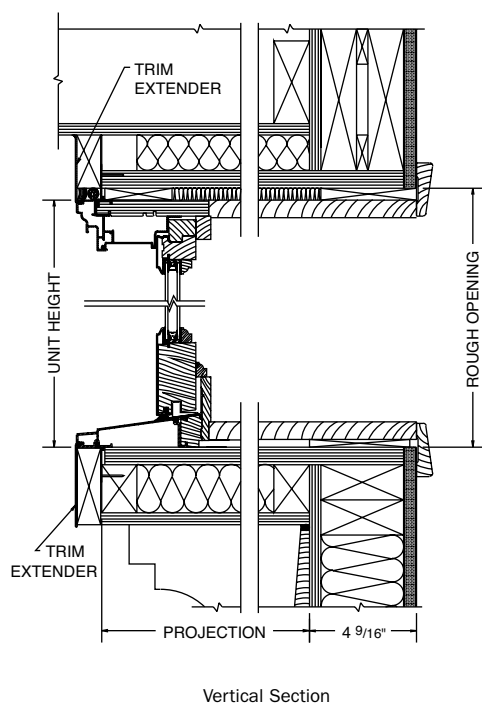
Insulated platforms and brackets are not included.

30° Double-Hung Angle Bay Windows



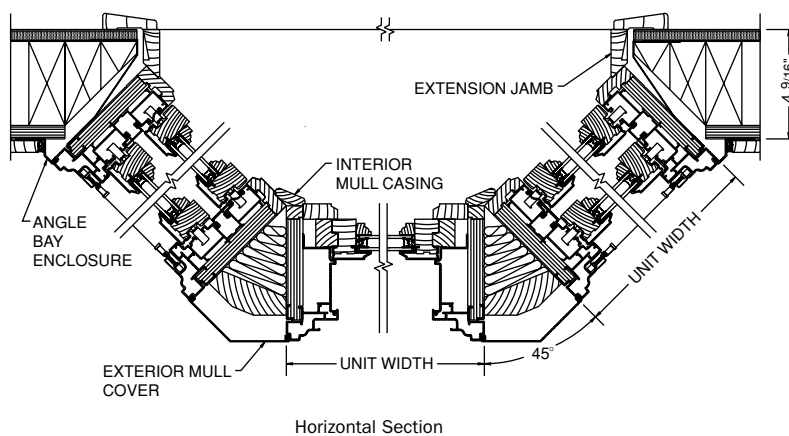
Horizontal Section

Double-Hung Angle Bay Windows



Vertical Section

45° Double-Hung Angle Bay Windows



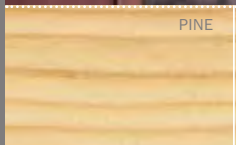
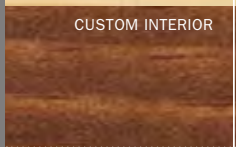
Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.



	PINE
	CUSTOM INTERIOR
WOOD FINISH	

Gliding Windows

Functionality is the key to our gliding window. Efficient space utilization and sleek lines make this window the right choice for that tight, hard to manage space.

**2- or 3-sash systems
all in one frame**

**Cost effective design offering
modern efficiencies**

**Discreet hardware creating
clear, unobstructed views**



Gliding Windows



Frame & Sash

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Glazing

③ High-Performance Low-E4* glass with a low-conductivity spacer. Tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

④ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops are available in ovolo (colonial) or contemporary profiles.

Weatherstrip

Compression foam-filled bulb weatherstrip is applied on the sill for maximum resistance to water and air infiltration. Outside and inside sash are sealed with a compression bulb weatherstrip at the meeting stile.

Head & Sill Track

⑤ The frame consists of a rigid vinyl head and sill track. The compression-style head track helps create a positive seal between the sash and frame.

Hardware

⑥ Sash locks and keepers give a slim, more traditional design and allow easy opening.




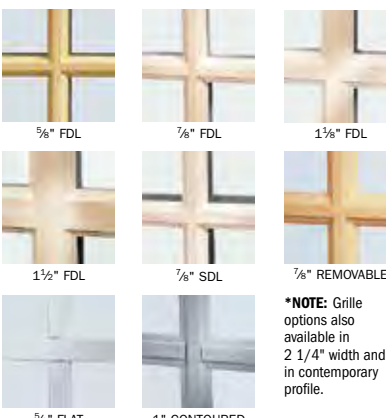
Sash locks are available in finishes of bronze, polished brass, gold, white, black, antique brass, pewter, oil rubbed bronze, satin chrome and bright chrome.

Slim line sash pulls allow easy operation and do not interfere with window coverings.

Sash pulls are available in finishes of bronze, white, black and gold. Optional polished brass plated finish also available.

*The mahogany name is representative of non-endangered African mahoganies.

Features & Options

6 Sash Locks	7 Insect Screens	8 Grilles
 <p><i>Slim Line Sash Pulls</i></p> 		 <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p> <p>FDL = Full Divided Light* SDL = Simulated Divided Light* Removable = Removable interior wood grilles</p> <p>Flat = Finelight™ grilles-between-the-glass Contoured = Finelight grilles-between-the-glass</p> <p>See page 24 for more information on our grille options.</p>

Window Anchorage

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

7 Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors. Aluminum screen mesh is available as an option.

TruScene® insect screens available in all 50 exterior colors and seven anodized finishes.

See page 26 for more information on our insect screen options.

8 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

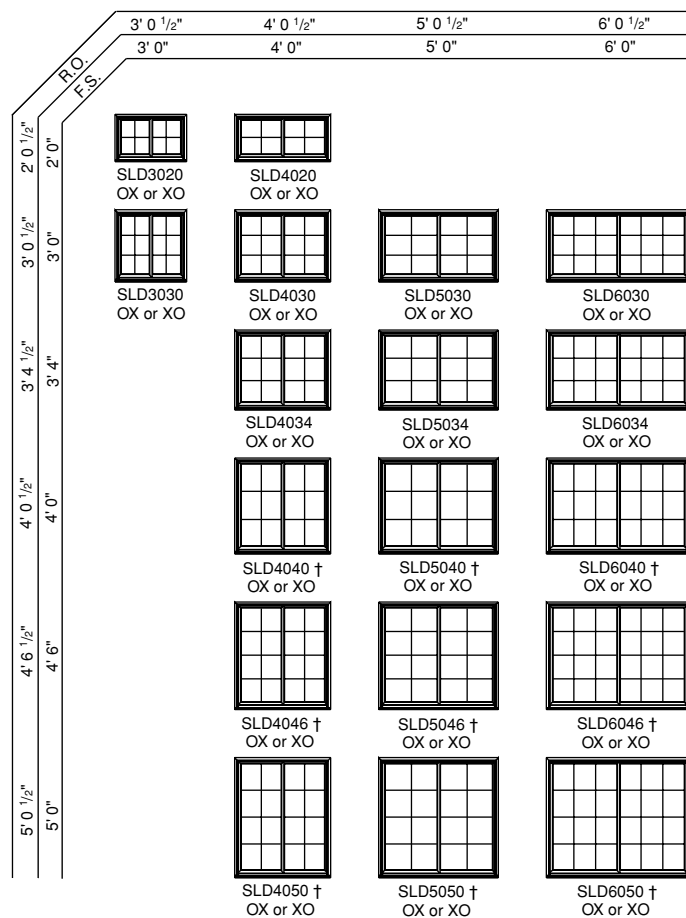
Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

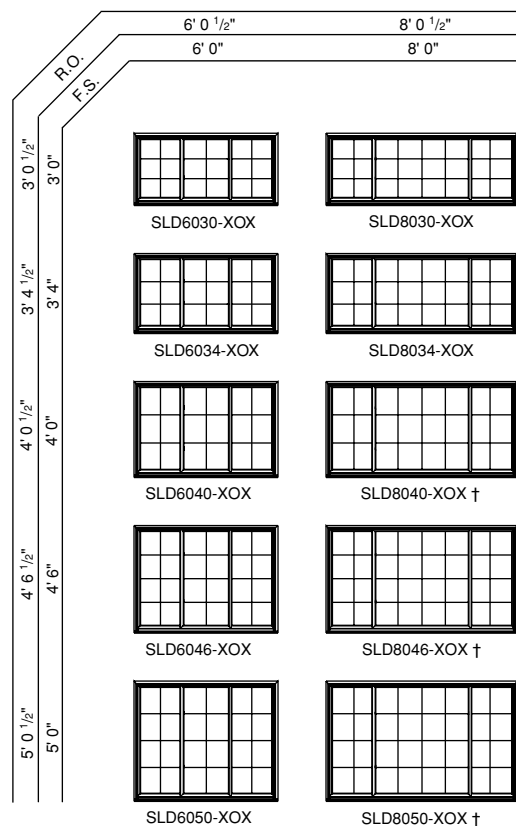
Removable interior wood grilles.

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

2-Sash Gliding Window Sizes



3-Sash Gliding Window Sizes



As viewed
from exterior

OX

XO

XOX

O = Stationary
X = Operable

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). See your local code official for requirements in your area.

3-sash gliding units use 2'0" operating sash as a standard. Additional sash ratios also available.

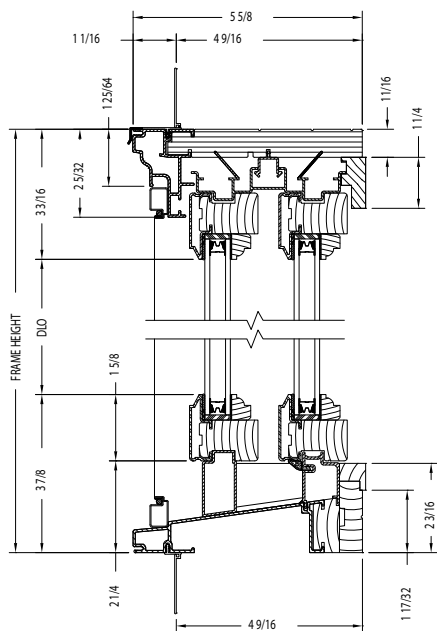
If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

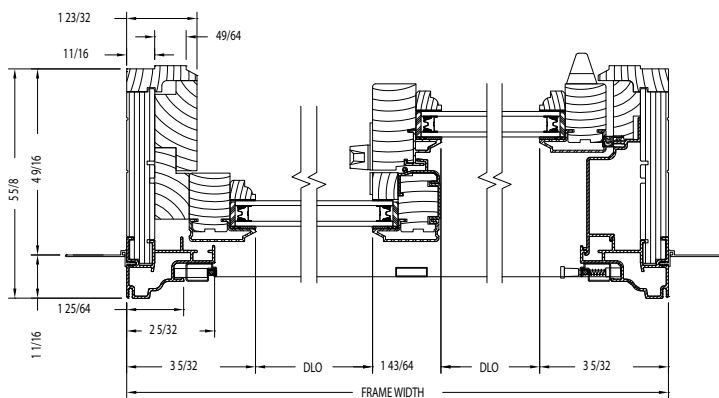
The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

2-Sash Gliding Windows



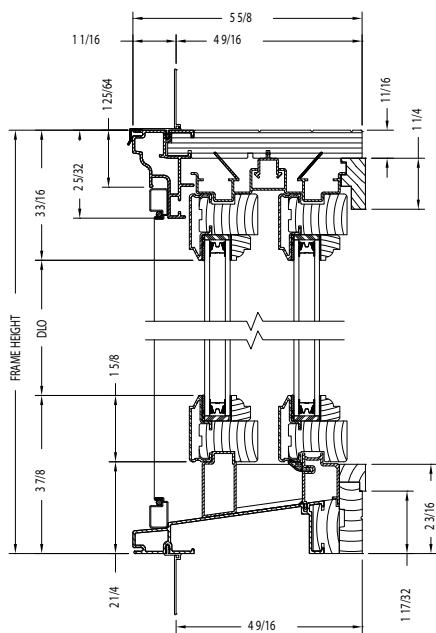
Vertical Section



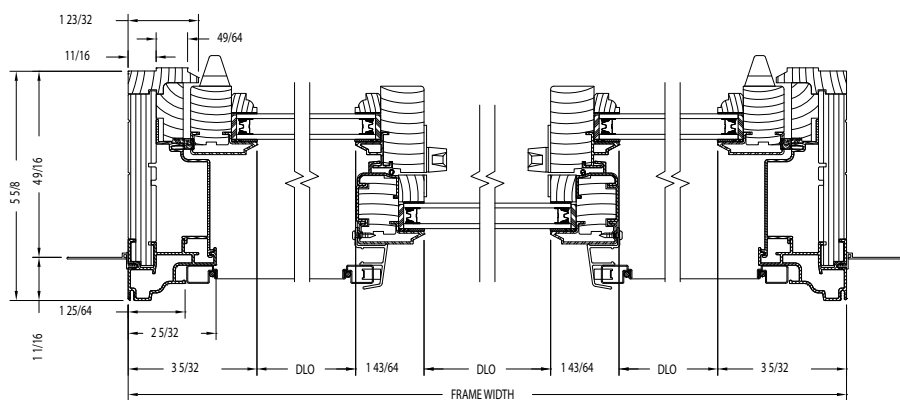
Horizontal Section

Shown with ovolo (colonial) glass stops.

3-Sash Gliding Windows



Vertical Section



Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

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CUSTOM COLOR

EXTERIOR

CIRCLE

SHAPE



Specialty Windows

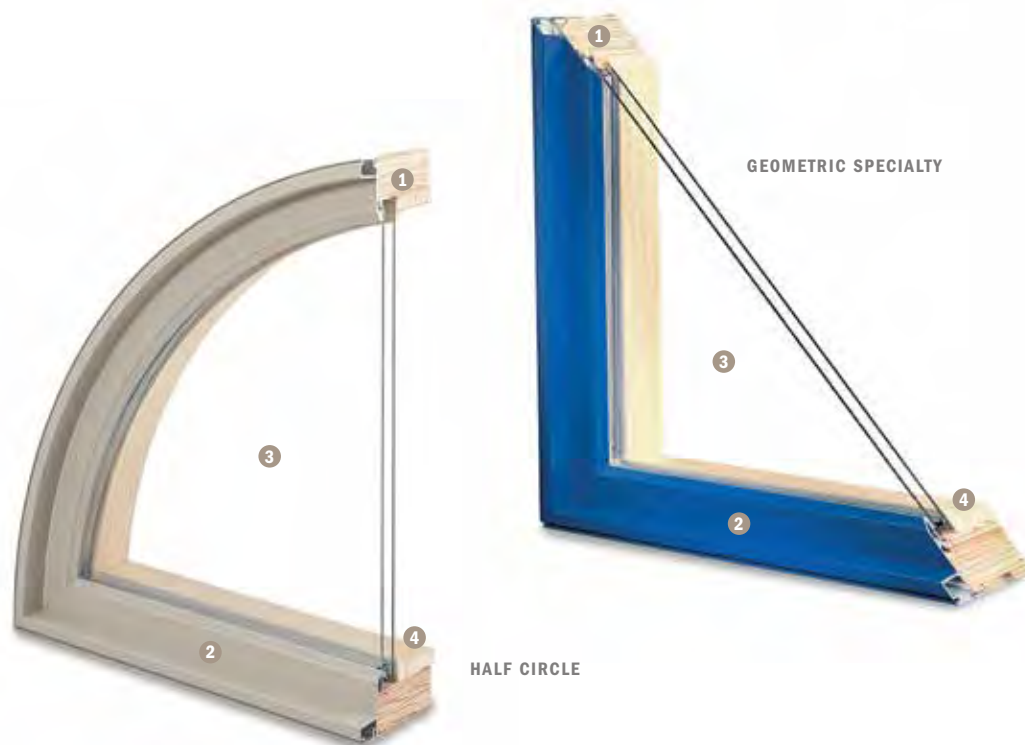
Our made-to-order philosophy lets you be creative with your look. Design your very own window using basic or unique shapes. Add decorative glass for a creative accent.

**Specialty profiles
complement double-hung
and casement details**

**Design flexibility
for interesting shapes
and beautiful accents**



Specialty Windows



Frame

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Glazing

③ High-Performance Low-E4* glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

④ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) or contemporary profiles.

Window Anchorage

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

⑤ Grilles












Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ " or $2\frac{1}{4}$ " widths and ovolo (colonial) or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ " or $2\frac{1}{4}$ " widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in $\frac{5}{8}$ " flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

*The mahogany name is representative of non-endangered African mahoganies.

Features & Options

5 Grilles	6 Blinds-Between-the-Glass	
<div> 5/8" FDL</div> <div> 7/8" FDL</div> <div> 1 1/8" FDL</div> <div> 1 1/2" FDL</div> <div> 7/8" SDL</div> <div> 7/8" REMOVABLE</div> <div> 5/8" FLAT</div> <div> 1" CONTOURED</div> <div><p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p><p>FDL = Full Divided Light SDL = Simulated Divided Light Removable = Removable interior wood grilles</p><p>Flat = Finelight™ grilles-between-the-glass Contoured = Finelight grilles-between-the-glass</p></div>	<div></div> <div>7 System 3 Blinds or Shades</div> <div></div>	<div></div> <div><p><i>Double-hung specialty frame profile is also available for half circle and geometric specialty windows.</i></p></div>

Removable interior wood grilles.

Available in a 7/8" width, with or without surround for removable grille on rectangular shapes. A 7/8" width, without surround for removable grille is available on non-rectangular shapes. Ovolo and contemporary grille profiles available.

Privacy Options

6 Blinds-Between-the-Glass. A 5/8" aluminum slat blind is encased between two panes of insulated glass in a dust-free environment (rectangular shapes only). Available colors are white, tan, almond or gold. Blind can be tilted or raised and lowered with the use of one cord. (Not all sizes are retractable.)

7 System 3 Blinds. A 5/8" aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window (rectangular shapes only), creating a triple-glazed window boasting privacy and energy-efficiency. Available in four colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

System 3 Shades. Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light (rectangular shapes only). See page 27 for more details.

Specialty Shapes



Half Circle



Quarter Circle



Elliptical



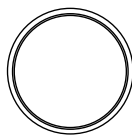
Gothic



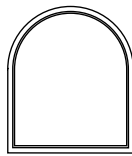
Eyebrow



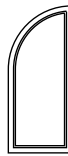
Partial Eyebrow



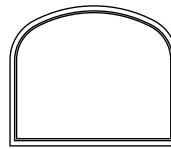
Circle



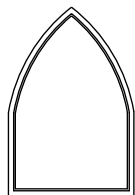
Springline™



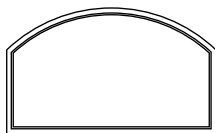
Springline Flanker



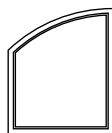
Extended Elliptical



Extended Gothic



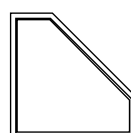
Arch



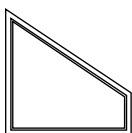
Unequal Leg Arch



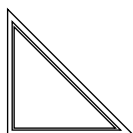
Oval



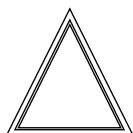
Angled Pentagon



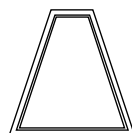
Trapezoid



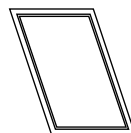
Right Triangle



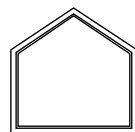
Isosceles Triangle



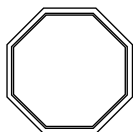
Isosceles Trapezoid



Parallelogram



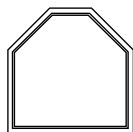
Peak Pentagon



Octagon



Hexagon



Unequal Hexagon

NOTES

The following general guidelines do not apply to every specialty shape. Contact your local dealer for specific limitations of the specialty shapes shown above, or about creating custom shapes beyond those shown here.

Overall unit block size should not be larger than 50 sq. ft.

Frame width and height must be between 9" and 144".

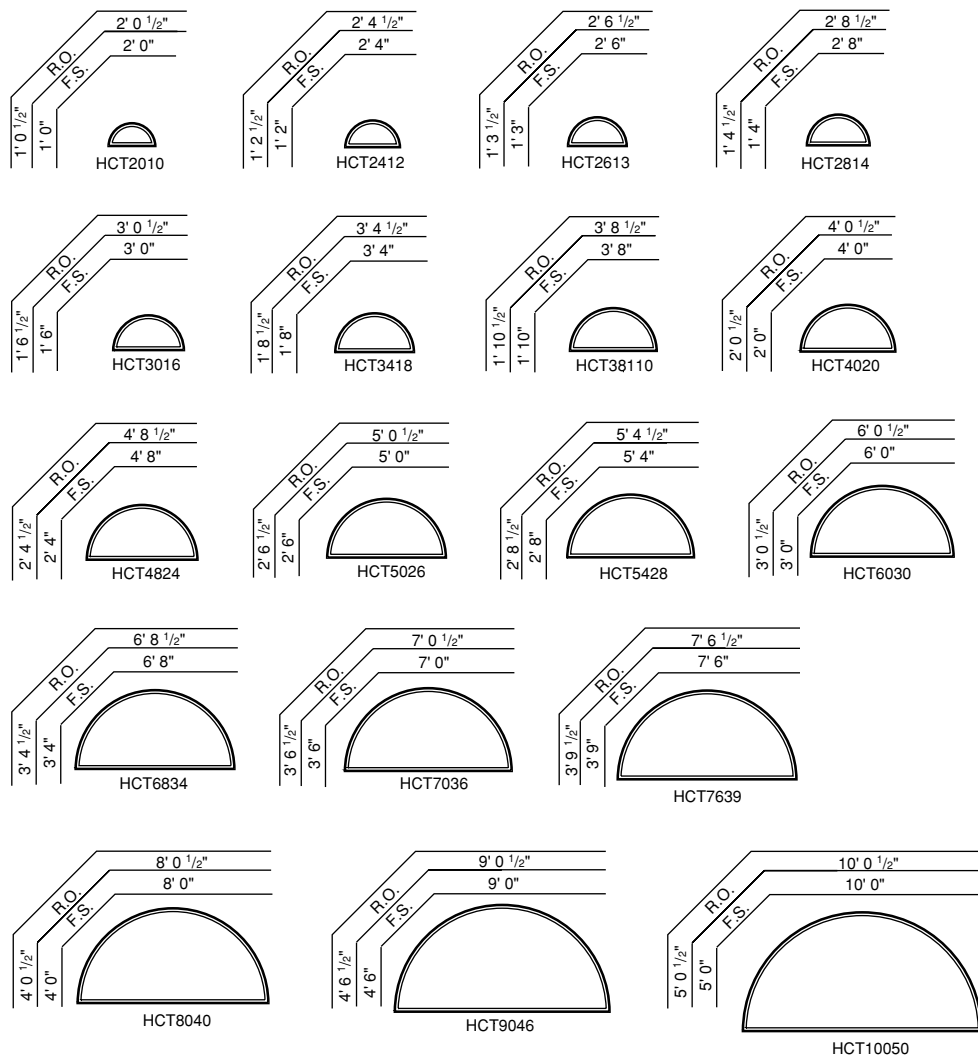
Units can only be larger than 82" in one direction.

Corners/angles cannot be less than 27°.

Standard radiuses include:

1' 0"	3' 0"	7' 0"
1' 2"	3' 1"	7' 6"
1' 3"	3' 3"	8' 0"
1' 4"	3' 4"	9' 0"
1' 6"	3' 6"	10' 7"
1' 6-23/32"	3' 9"	12' 0"
1' 8"	4' 0"	13' 8"
1' 10"	4' 6"	15' 0"
2' 0"	5' 0"	16' 0"
2' 4"	5' 6"	17' 10"
2' 6"	6' 0"	19' 8"
2' 8"	6' 6"	
2' 10-19/32"		

Half Circle Window Sizes



NOTES

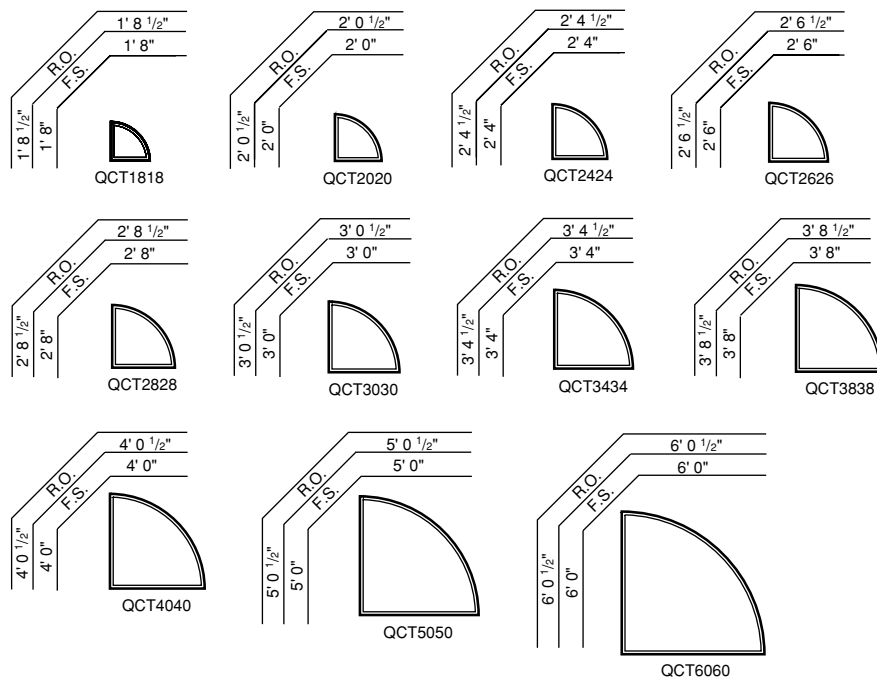
If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

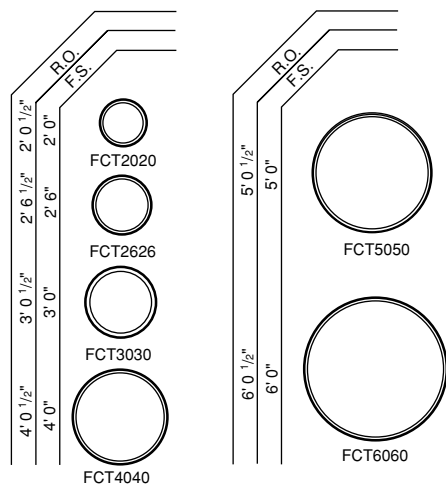
Some limitations exist for light patterns for removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. Please contact your local dealer for more information. All wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

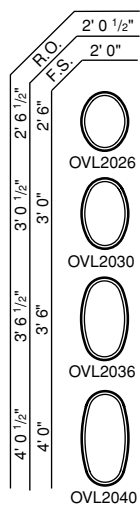
Quarter Circle Window Sizes



Circle Window Sizes



Oval Window Sizes



NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

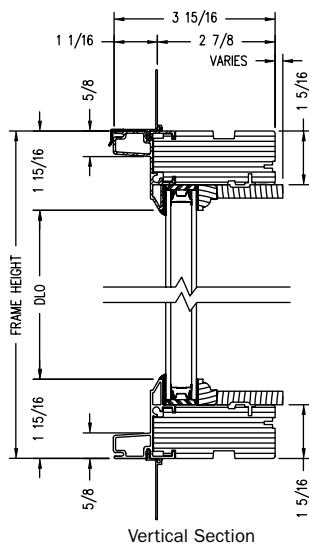
Use structural joining material when necessary or required by code.

Some limitations exist for light patterns for removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. Please contact your local dealer for more information. All wood grilles will be installed in the units unless otherwise specified.

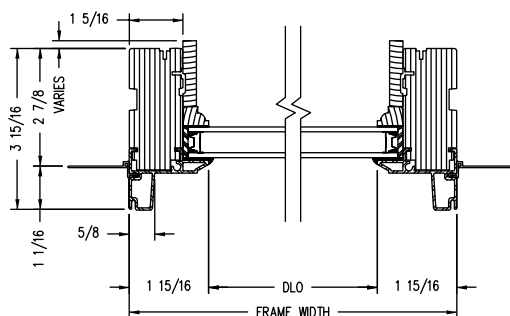
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Specialty Windows

Specialty

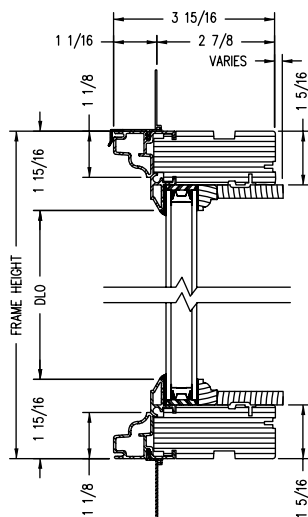


Vertical Section

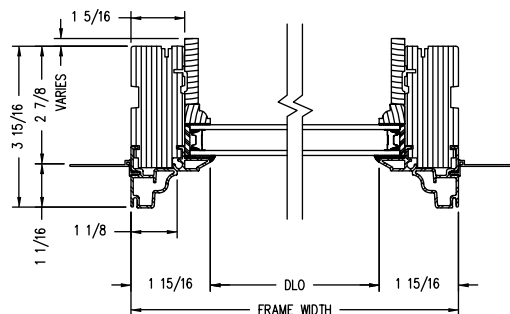


Horizontal Section

**Specialty
(Double-Hung
Frame
Profile)**

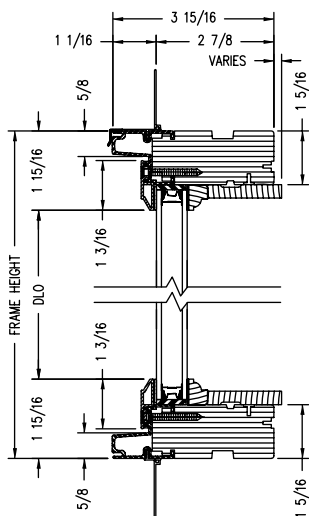


Vertical Section

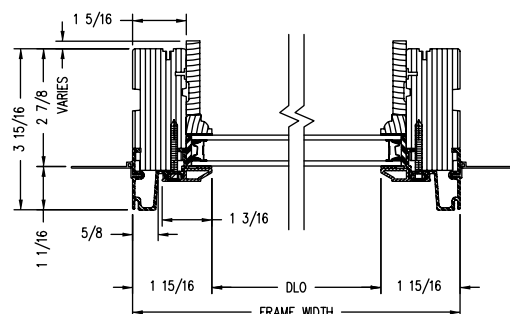


Horizontal Section

Exterior Glazed Specialty



Vertical Section



Horizontal Section

SEE OPPOSITE PAGE FOR INSTALLATION AND MAINTENANCE NOTES.

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.



EXTERIOR

INTERIOR

INTERIOR

COLONY WHITE

ALDER

CAPRI



Hinged Patio Doors

Bottom and mid-rail options are just the start to this door's solid design. Go as high as 10 feet, then select a handle set accenting your style. Unique indeed.

**Venting inswing or
outswing sidelights**

**Raised solid wood
panel inserts**

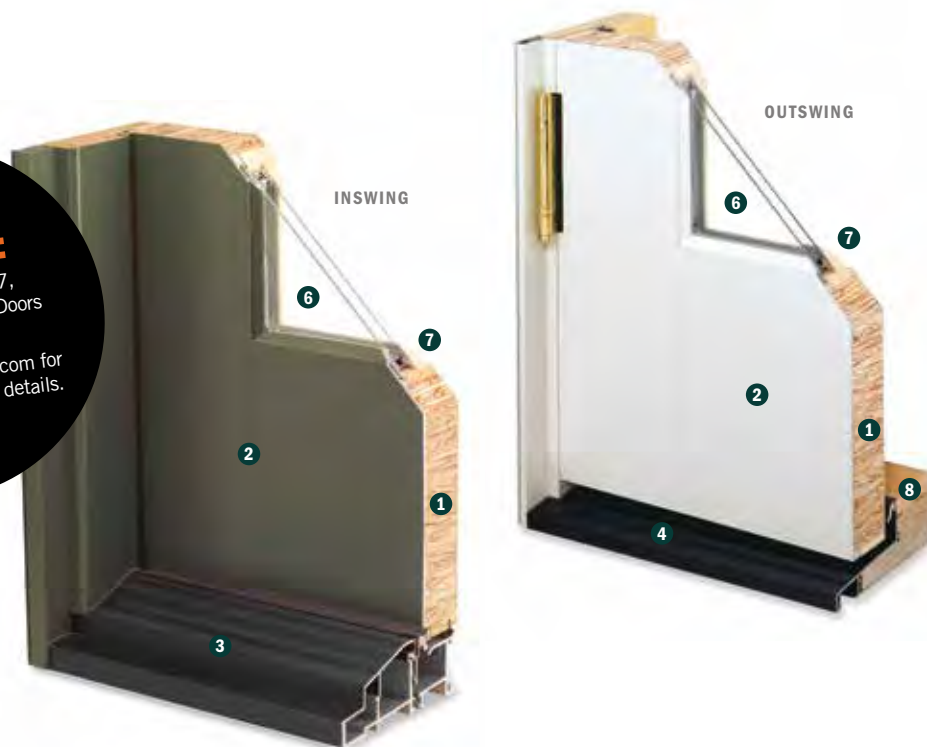
**Architecturally correct
transoms aligning
planes and sight lines**



Hinged Patio Doors

NOTICE:

Beginning late-2017, E-Series Hinged Patio Doors will be changing. Visit andersenwindows.com for the latest door offering details.



Frame & Panel

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Sill

③ Premium grade aluminum inswing sill with an oak threshold. Sills have a built-in drainage channel that allows water to drain away from the interior of the door. A top plate is removable for easy channel cleaning. A polyurethane thermal barrier helps reduce heat loss. Available in unfinished aluminum or dark bronze anodized finish.

④ Premium grade aluminum outswing sill with oak threshold. Outswing door sill is backed with a compression foam weatherstrip. Available in unfinished aluminum or dark bronze anodized finish.

⑤ Aluminum low threshold sill available for outswing doors and inswing doors with jamb depths of 4 $\frac{1}{8}$ " and 6 $\frac{1}{8}$ ". Low threshold design provides a smooth transition from interior to exterior and is wheelchair-accessible. A polyurethane thermal barrier helps reduce heat loss. Available in dark bronze anodized finish.

Glazing

⑥ High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

⑦ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

Weatherstrip

⑧ The frame perimeter consists of a high-quality foam-filled weatherstrip.

Hardware

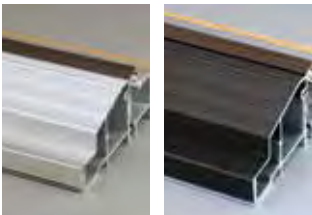
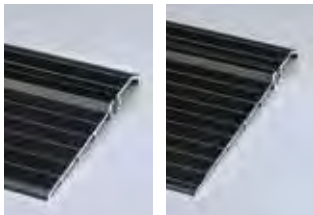

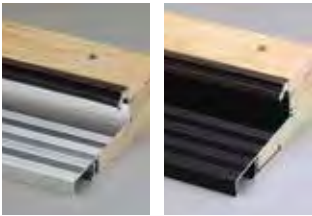



Autolatch® stainless steel multi-point locking system locks the panel in three locations to provide a secure, weather-resistant entry system. Some door heights lock the panel in four locations.

*The mahogany name is representative of non-endangered African mahoganies.

Features & Options

NOTICE:

Beginning late-2017, the hardware on E-Series Hinged Patio Doors will be changing. Visit andersenwindows.com for the latest hardware offering.

<p>3</p> <p>4 1/16" Inswing Drainage Sill</p> 	<p>5</p> <p>Inswing Low Threshold Sill</p> 	<p>9</p> <p>Handle Finishes</p> 
<p>4</p> <p>Outswing On-Floor Sill</p> 	<p>Outswing Low Threshold Sill</p> 	<p>11</p> <p>Heavy-Duty Commercial Grade Hinges</p> 
<p>10</p> <p>Temporary Construction Handle</p> 		

9 Standard Capri handle set finish is polished brass with a 1" security deadbolt throw, 45mm backset and 90° thumb turn located above the handle. Other optional finishes include stainless steel (Capri only), limited lifetime brass, antique brass, oil rubbed bronze, pewter, satin chrome, bright chrome, white or black. Keyed locks are available. Dummy handle sets are available in all finishes for passive door panels. Optional handle styles include: Athens, Bellagio, Luxor, Normandy, Piedmont, Riviera and

Tuscany. Optional square escutcheon plate also available.

10 Temporary construction handle is sent with all hinged patio doors. This handle allows operation during the construction phase, protecting finished hardware from damage or jobsite theft.

11 Heavy-duty commercial grade hinges are available in a standard finish of polished brass or optional finishes of limited lifetime brass, antique brass, oil rubbed bronze, pewter, satin chrome,

bright chrome, white, black or stainless steel to match your handle set. Hinges are complete with matching screws. An innovative hinge shimming system allows for minor adjustments.

Door Anchorage

Inswing and outswing doors receive a factory-applied vinyl installation flange with drip cap. Some inswing patio doors require an adjustable metal installation flange. Optional aluminum flanges or metal installation clips are available.

9

Handle Styles



The above handle styles are available in all nine finishes (Capri handle has an added finish of stainless steel). Escutcheon plates are also available as pictured or square.

Features & Options

<div>12</div> <div>Insect Screens</div>	<div>13</div> <div>Grilles</div>	<div>14</div> <div>Raised Panel Inserts</div>
 <p>Retractable insect screen shown.</p>	 <p>FDL = Full Divided Light* SDL = Simulated Divided Light* Removable = Removable interior wood grilles</p> <p>Flat = Finelight™ grilles-between-the-glass Contoured = Finelight grilles-between-the-glass</p> <p>*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.</p> <p>See page 24 for more information on our grille options.</p>	
<div>15</div> <div>Blinds-Between-the-Glass</div>	<div>16</div> <div>Transoms</div>	
		

12 Insect Screens

Retractable Insect Screens. Concealed, retractable insect screen has charcoal fiberglass screen mesh. Available for inswing single or double door units. Insect screen rolls out when needed and retracts into concealed housing when not in use. Available in 50 exterior colors.

Retractable insect screens for outswing doors are field applied to the interior of the door. Available in five colors including white, almond, desert sand, bronze and black.

Hinged Insect Screens (Inswing only).

Charcoal fiberglass screen mesh fits into an aluminum frame in 50 exterior colors. Provided with a black lockable latch and automatic closer for smooth operation. Available in single or multiple door units. Aluminum screen mesh is also available.

Top-Hung Gliding Insect Screens

(Inswing Center Post Door). Charcoal fiberglass screen mesh fits into an aluminum frame available in 50 exterior colors. Aluminum screen mesh is also available as an option.

13 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo (colonial) or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

Removable interior wood grilles.

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

14 Raised Panel Inserts

Available in 1/2 and 3/4 light options. Real wood, available in all wood species, makes up the interior panel insert. The exterior panel insert is made of formed aluminum cladding and is available in all 50 exterior colors and any custom color.

The raised panel inserts are based on the standard 8" bottom rail with 4 11/16" stiles. Available in nine widths to match standard door panel sizes.

Additional mid-rail options available allowing glass lights to be placed above and below the mid-rail.

Features & Options

<div>17</div> <div>Venting Sidelights</div>	<div>18</div> <div>Center Post Door</div>	<div>19</div> <div>Concealed Panic System Door</div>
 <div>INSWING OUTSWING</div>		

15 Privacy Options

Blinds-Between-the-Glass. A $\frac{5}{8}$ " aluminum slat blind mounted between two panes of insulated glass in a dust-free environment. Available in white, tan, almond or gold. Blinds are magnetically controlled and can be tilted or raised and lowered with one cord.* (Not available on arch patio doors.)

16 Transoms

Available in three jamb depths to align with your inswing door jamb depth. Design is sloped for water disbursement. Inswing and outswing sash-set transoms are available with $2\frac{3}{4}$ ", $4\frac{1}{16}$ " and $6\frac{1}{2}$ " stiles to match your door.

17 Venting Sidelights

Outswing sidelights have concealed locks and operate with our convenient folding operator handles. Interior wood-veneered insect screen can be customized to match your interior wood species and finish.

Inswing sidelights come with special hardware that locks in the center and complements the door's handle set.

When the handle is activated upwards, shoot bolts engage at the head and sill for added security. Inswing sidelights feature an exterior insect screen.

18 Center Post Door

Allows door panels to be hinged at the center or at the jamb. Available in three jamb depths: $3\frac{1}{2}$ ", adjustable $4\frac{9}{16}$ " and adjustable $6\frac{9}{16}$ ".

The center post is clad laminated veneer lumber (LVL) that provides exceptional structural integrity. A top-hung gliding insect screen is available on the inswing center post door.

Commercial Door Panels

Available in single or double door applications. The commercial door panels have a 12" bottom rail and $6\frac{1}{2}$ " stiles and a mid-rail that allows for commercial hardware installation.

VeriLock® Sensors

These exclusive sensors are unique as they detect whether the doors are locked or unlocked** — a feature no other sensors can provide. See pages 6–7 for details.

19 Concealed Panic System Door

We have created an innovative Concealed Panic System (CPS) eliminating the need for a center astragal and exposed vertical rods on double doors. This system provides a clear opening while maintaining a sleek, uncluttered interior look. The system locks at the head and sill for added security. You get the same warm, real wood interior you've come to expect from us without the unsightly clutter common to most commercial doors.

We've also aligned with Von Duprin®, the most recognized and trusted brand of commercial hardware in the window and door industry. Von Duprin, along with the Ingersoll-Rand family of brands, provides premium push bars, handle sets, closers and kick plates to make the CPS door truly innovative. Plus, our doors are factory-prepped making installation much easier.

*Not all sizes are retractable. See your local dealer for details.

**When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your dealer for more information.

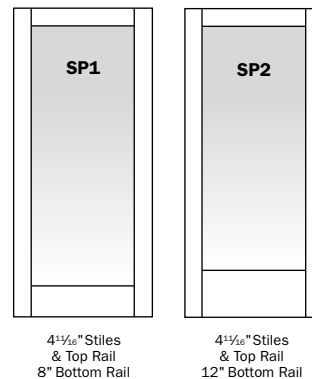
®Von Duprin is a registered trademark of Ingersoll-Rand Co.

Hinged Patio Door Panel Labeling System

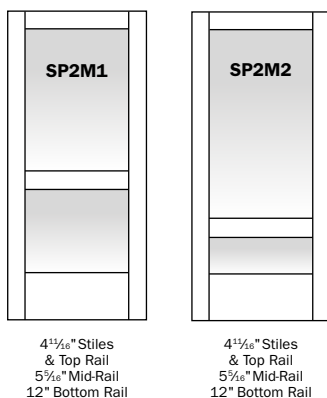
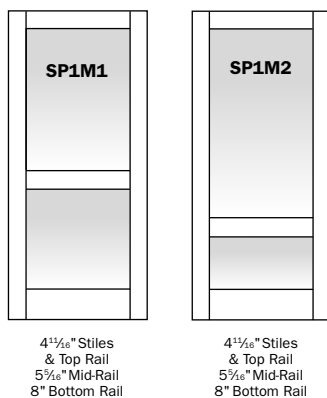
We have added a consistent labeling configuration to our door panels for your ordering ease. Scan the designs to see which one fits your needs.

Traditional Door Panel Options

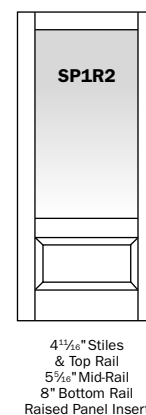
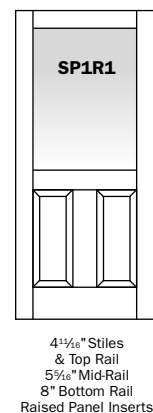
Door panel options provide clean lines to complement a modern style. These options are an economical way to add interest to your project's design.



Door Panel with Mid-Rail Options



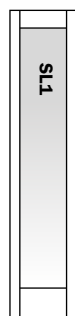
Door Panel with Raised Panel Options



NOTICE:

Beginning late-2017, new door panel options will be added to the E-Series Hinged Patio Doors offering. Visit andersenwindows.com for the latest door offering details.

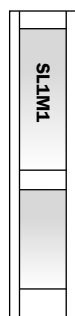
Sidelight Panel Options



2 1/4" Stiles
4 1/4" Top Rail
8" Bottom Rail



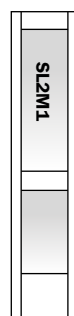
2 1/4" Stiles
4 1/4" Top Rail
12" Bottom Rail



2 1/4" Stiles
4 1/4" Top Rail
5 1/4" Mid-Rail
8" Bottom Rail



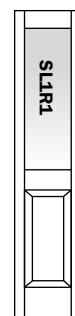
2 1/4" Stiles
4 1/4" Top Rail
5 1/4" Mid-Rail
8" Bottom Rail



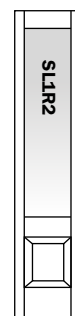
2 1/4" Stiles
4 1/4" Top Rail
5 1/4" Mid-Rail
12" Bottom Rail



2 1/4" Stiles
4 1/4" Top Rail
5 1/4" Mid-Rail
12" Bottom Rail

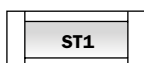


2 1/4" Stiles
4 1/4" Top Rail
5 1/4" Mid-Rail
8" Bottom Rail
Raised Panel Insert



2 1/4" Stiles
4 1/4" Top Rail
5 1/4" Mid-Rail
8" Bottom Rail
Raised Panel Insert

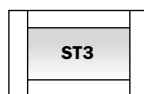
Transom Panel Options



4 1/4" Stiles
2 1/4" Rails



2 1/4" Stiles & Rails

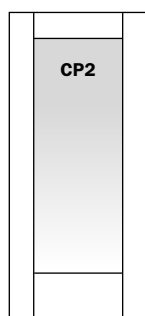


4 1/4" Stiles & Rails

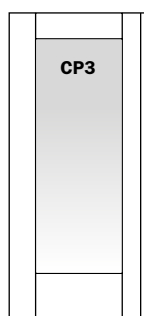


2 1/4" Stiles
4 1/4" Rails

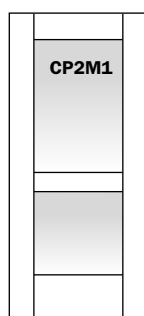
Commercial Door Panel Options*



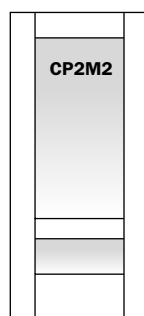
6 1/2" Stiles & Top Rail
12" Bottom Rail



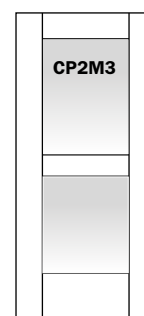
6 1/2" Stiles & Top Rail
12" Bottom Rail



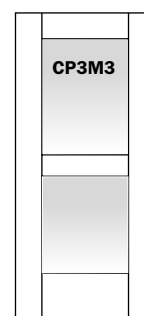
6 1/2" Stiles & Top Rail
5 1/4" Mid-Rail
12" Bottom Rail



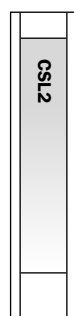
6 1/2" Stiles & Top Rail
5 1/4" Mid-Rail
12" Bottom Rail



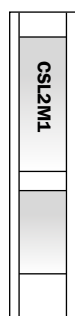
6 1/2" Stiles & Top Rail
5 1/4" Mid-Rail
12" Bottom Rail



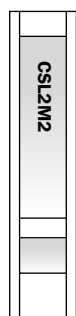
6 1/2" Stiles & Top Rail
5 1/4" Mid-Rail
12" Bottom Rail



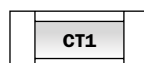
2 1/4" Stiles
6 1/2" Top Rail
12" Bottom Rail



2 1/4" Stiles
6 1/2" Top Rail
5 1/4" Mid-Rail
12" Bottom Rail



2 1/4" Stiles
6 1/2" Top Rail
5 1/4" Mid-Rail
12" Bottom Rail



6 1/2" Stiles
2 1/4" Rails



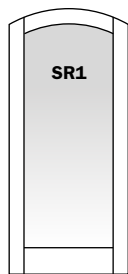
6 1/2" Stiles & Rails



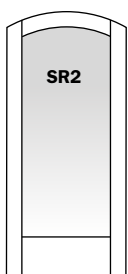
2 1/4" Stiles
6 1/2" Rails

*Also available for residential applications.

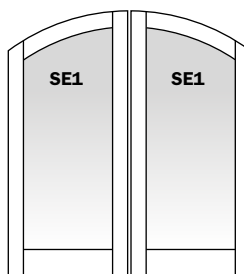
Arch Door Panel Options



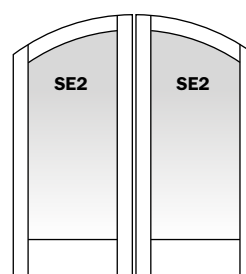
4¹¹/₁₆" Stiles & Top Rail
8" Bottom Rail



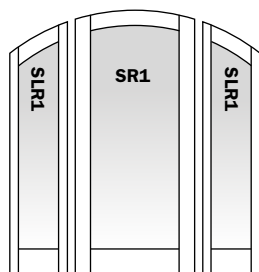
4¹¹/₁₆" Stiles & Top Rail
12" Bottom Rail



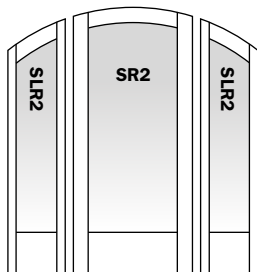
4¹¹/₁₆" Stiles & Top Rail
8" Bottom Rail



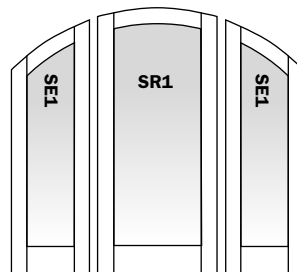
4¹¹/₁₆" Stiles & Top Rail
12" Bottom Rail



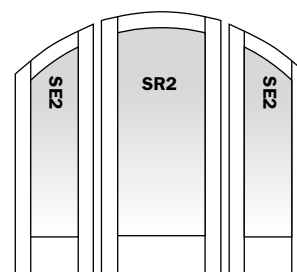
2¹/₄" Stiles
4¹¹/₁₆" Top Rail
8" Bottom Rail



2¹/₄" Stiles
4¹¹/₁₆" Top Rail
12" Bottom Rail

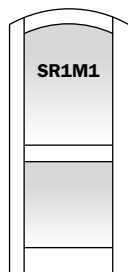


4¹¹/₁₆" Stiles & Top Rail
8" Bottom Rail

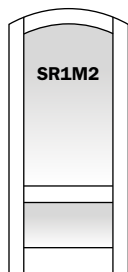


4¹¹/₁₆" Stiles & Top Rail
12" Bottom Rail

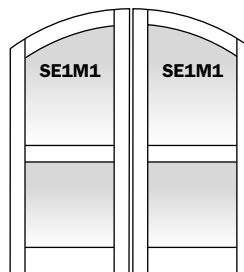
Arch Door Panel with Mid-Rail Options



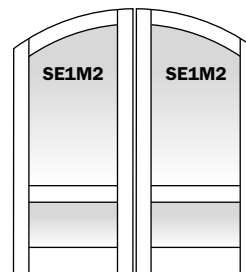
4¹¹/₁₆" Stiles & Top Rail
5⁵/₁₆" Mid-Rail
8" Bottom Rail



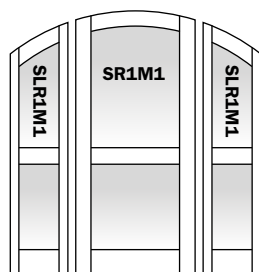
4¹¹/₁₆" Stiles & Top Rail
5⁵/₁₆" Mid-Rail
8" Bottom Rail



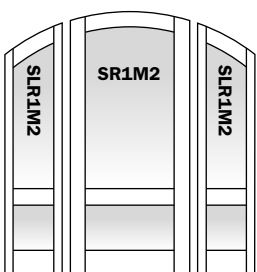
4¹¹/₁₆" Stiles & Top Rail
5⁵/₁₆" Mid-Rail
8" Bottom Rail



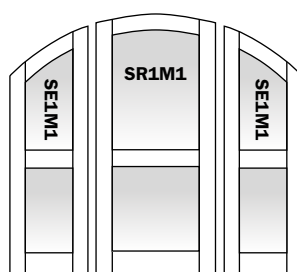
4¹¹/₁₆" Stiles & Top Rail
5⁵/₁₆" Mid-Rail
8" Bottom Rail



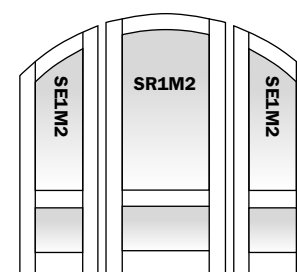
2¹/₄" Stiles
4¹¹/₁₆" Top Rail
5⁵/₁₆" Mid-Rail
8" Bottom Rail



2¹/₄" Stiles
4¹¹/₁₆" Top Rail
5⁵/₁₆" Mid-Rail
8" Bottom Rail

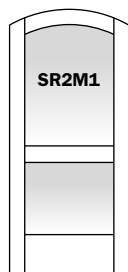


4¹¹/₁₆" Stiles & Top Rail
5⁵/₁₆" Mid-Rail
8" Bottom Rail

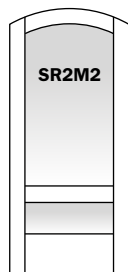


4¹¹/₁₆" Stiles & Top Rail
5⁵/₁₆" Mid-Rail
8" Bottom Rail

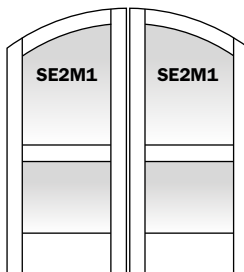
Arch Door Panel with Mid-Rail Options (continued)



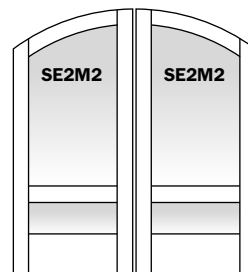
4 $\frac{1}{16}$ " Stiles
& Top Rail
5 $\frac{5}{16}$ " Mid-Rail
12" Bottom Rail



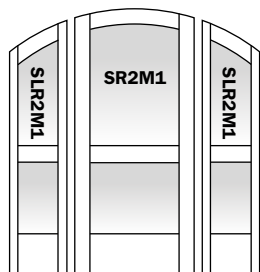
4 $\frac{1}{16}$ " Stiles
& Top Rail
5 $\frac{5}{16}$ " Mid-Rail
12" Bottom Rail



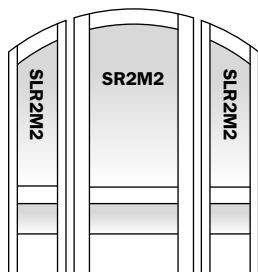
4 $\frac{1}{16}$ " Stiles & Top Rail
5 $\frac{5}{16}$ " Mid-Rail
12" Bottom Rail



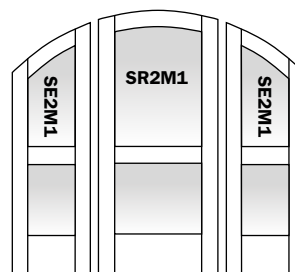
4 $\frac{1}{16}$ " Stiles & Top Rail
5 $\frac{5}{16}$ " Mid-Rail
12" Bottom Rail



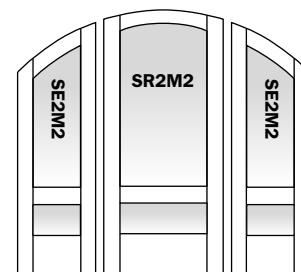
2 $\frac{1}{4}$ " Stiles
4 $\frac{1}{16}$ " Top Rail
5 $\frac{5}{16}$ " Mid-Rail
12" Bottom Rail



2 $\frac{1}{4}$ " Stiles
4 $\frac{1}{16}$ " Top Rail
5 $\frac{5}{16}$ " Mid-Rail
12" Bottom Rail

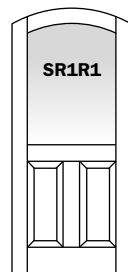


4 $\frac{1}{16}$ " Stiles
& Top Rail
5 $\frac{5}{16}$ " Mid-Rail
12" Bottom Rail

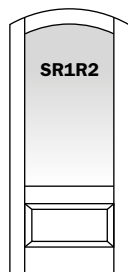


4 $\frac{1}{16}$ " Stiles
& Top Rail
5 $\frac{5}{16}$ " Mid-Rail
12" Bottom Rail

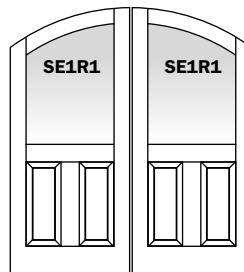
Arch Door Panel with Raised Panel Insert Options



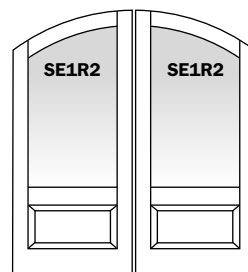
4 $\frac{1}{16}$ " Stiles
& Top Rail
5 $\frac{5}{16}$ " Mid-Rail
8" Bottom Rail
Raised Panel Inserts



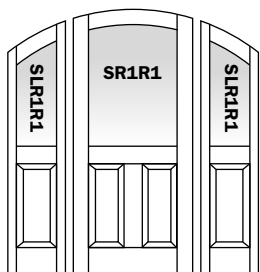
4 $\frac{1}{16}$ " Stiles
& Top Rail
5 $\frac{5}{16}$ " Mid-Rail
8" Bottom Rail
Raised Panel Insert



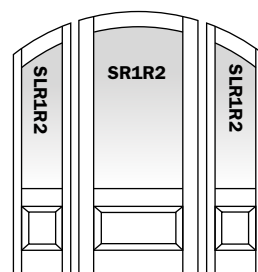
4 $\frac{1}{16}$ " Stiles & Top Rail
5 $\frac{5}{16}$ " Mid-Rail
8" Bottom Rail & Raised Panel Inserts



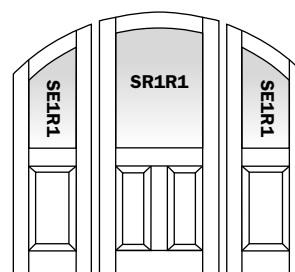
4 $\frac{1}{16}$ " Stiles & Top Rail
5 $\frac{5}{16}$ " Mid-Rail
8" Bottom Rail & Raised Panel Inserts



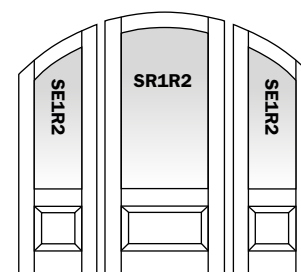
2 $\frac{1}{4}$ " Stiles
4 $\frac{1}{16}$ " Top Rail
5 $\frac{5}{16}$ " Mid-Rail
8" Bottom Rail
Raised Panel
Insert



2 $\frac{1}{4}$ " Stiles
4 $\frac{1}{16}$ " Top Rail
5 $\frac{5}{16}$ " Mid-Rail
8" Bottom Rail
Raised Panel
Insert



4 $\frac{1}{16}$ " Stiles
& Top Rail
5 $\frac{5}{16}$ " Mid-Rail
8" Bottom Rail
Raised Panel
Insert



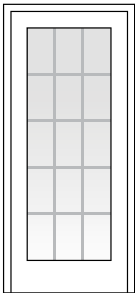
4 $\frac{1}{16}$ " Stiles
& Top Rail
5 $\frac{5}{16}$ " Mid-Rail
8" Bottom Rail
Raised Panel
Insert

Hinged Patio Door Handing

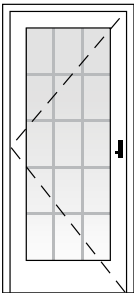
The door handing and order designation noted below and on the opposite page is consistent with the handing of other Andersen® doors and is used throughout the remainder of the hinged patio doors section.

Identification

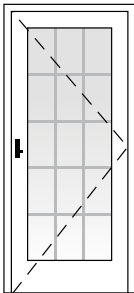
All hinged doors are **viewed from the exterior**. From left to right, choose stationary, active or passive, then choose hinging.



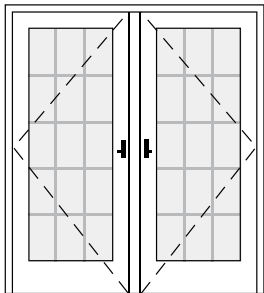
Stationary Panel
Non-operating panel.



Left Hinged
Hinges mounted on the left side of the panel.




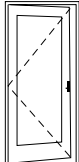
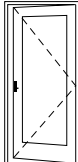
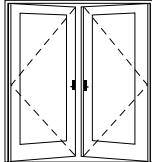
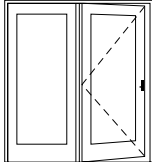
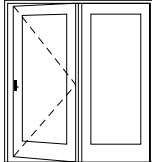
Right Hinged
Hinges mounted on the right side of the panel.



Active Panel **Passive Panel**
The operating panel most often used. The operating panel with astragal attached.

Hinged Patio Doors — Inswing

Handing Options

Single Door	Double Door	Center Post Door
<div><p>S</p><p>Stationary Panel</p></div> <div><p>A L</p><p>Left Hinged</p></div> <div><p>A R</p><p>Active Panel</p><p>Right Hinged</p></div>	<p>(shown as APLR)</p> <div><p>A P L R</p><p>Active Panel</p><p>Passive Panel</p><p>Left Hinged</p><p>Right Hinged</p></div>	<p>(shown as hinged off astragal)</p> <div><p>S A L</p><p>Stationary Panel</p><p>Active Panel</p><p>Left Hinged</p></div> <div><p>A S R</p><p>Active Panel</p><p>Stationary Panel</p><p>Right Hinged</p></div>

Order Designation Description	
	As Viewed From Exterior
Single Door	S
	AL
	AR
Double Door	PALR
	APLR
	SS
Center Post Door - Hinged Off Jamb	SAR
	ASL
Center Post Door - Hinged Off Astragal	SAL
	ASR

Hinged Patio Doors — Outswing

Handling Options

Single Door	Double Door
<p> S Stationary Panel </p> <p> A L Active Panel Left Hinged </p> <p> A R Active Panel Right Hinged </p>	<p>(shown as APLR)</p> <p> A P L R Active Panel Passive Panel Left Hinged Right Hinged </p>

Order Designation Description	
	As Viewed From Exterior
Single Door	S
	AR
	AL
Double Door	APLR
	PALR
	SS

Single Hinged Inswing Patio Door & Sidelight Sizes

	2' 1"	2' 7"	2' 9"	3' 1"	3' 3"
	2' 0 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"
8' 9"					
8' 9"	HPI 2068 S,AL,AR	HPI 2668 S,AL,AR	HPI 2868 S,AL,AR	HPI 3068 S,AL,AR	HPI 3268 S,AL,AR
8' 10"					
8' 10"	HPI 20610 S,AL,AR	HPI 26610 S,AL,AR	HPI 28610 S,AL,AR	HPI 30610 S,AL,AR	HPI 32610 S,AL,AR
7' 0 1/2"					
7' 0 1/2"	HPI 2070 S,AL,AR	HPI 2670 S,AL,AR	HPI 2870 S,AL,AR	HPI 3070 S,AL,AR	HPI 3270 S,AL,AR
7' 3"					
7' 3"	HPI 2073 S,AL,AR	HPI 2673 S,AL,AR	HPI 2873 S,AL,AR	HPI 3073 S,AL,AR	HPI 3273 S,AL,AR
8' 0"					
8' 0"	HPI 2080 S,AL,AR	HPI 2680 S,AL,AR	HPI 2880 S,AL,AR	HPI 3080 S,AL,AR	HPI 3280 S,AL,AR
8' 3"					
8' 3"	HPI 2083 S,AL,AR	HPI 2683 S,AL,AR	HPI 2883 S,AL,AR	HPI 3083 S,AL,AR	HPI 3283 S,AL,AR

NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2".

See handing chart on page 130 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grille-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Inswing Frame Height

(using Low Threshold Sill)

= Standard Inswing Frame Height – 15/16"

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Double Hinged Inswing Patio Door Sizes

RO ES	4' 0 1/2"		5' 0 1/2"		5' 4 1/2"		6' 0 1/2"		6' 4 1/2"	
	4' 0"		5' 0"		5' 4"		6' 0"		6' 4"	
6' 8 1/2"										
	HPI 4068 APLR, PALR		HPI 5068 APLR, PALR		HPI 5468 APLR, PALR		HPI 6068 APLR, PALR		HPI 6468 APLR, PALR	
6' 10 1/2"										
	HPI 40610 APLR, PALR		HPI 50610 APLR, PALR		HPI 54610 APLR, PALR		HPI 60610 APLR, PALR		HPI 64610 APLR, PALR	
7' 0 1/2"										
	HPI 4070 APLR, PALR		HPI 5070 APLR, PALR		HPI 5470 APLR, PALR		HPI 6070 APLR, PALR		HPI 6470 APLR, PALR	
7' 3 1/2"										
	HPI 4073 APLR, PALR		HPI 5073 APLR, PALR		HPI 5473 APLR, PALR		HPI 6073 APLR, PALR		HPI 6473 APLR, PALR	
8' 0 1/2"										
	HPI 4080 APLR, PALR		HPI 5080 APLR, PALR		HPI 5480 APLR, PALR		HPI 6080 APLR, PALR		HPI 6480 APLR, PALR	
8' 3 1/2"										
	HPI 4083 APLR, PALR		HPI 5083 APLR, PALR		HPI 5483 APLR, PALR		HPI 6083 APLR, PALR		HPI 6483 APLR, PALR	

NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2".

See handing chart on page 130 for operation options.

Use structural joining material when necessary or required by code.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Inswing Frame Height (using Low Threshold Sill)

= Standard Inswing Frame Height - 15/16"

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

























The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.


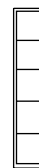
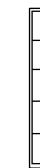





















ALSO AVAILABLE AS:

Stationary Doors SS
Center Post Doors SAR, ASL, SAL, ASR

Inswing Sash-Set Sidelight Sizes

	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 1/2"	1' 4 1/2"	1' 6 1/2"	1' 8 1/2"
6' 8 1/2"				
6' 8"	HPI 1268 S	HPI 1468 S	HPI 1668 S	HPI 1868 S
6' 10 1/2"				
6' 10"	HPI 12610 S	HPI 14610 S	HPI 16610 S	HPI 18610 S
7' 0 1/2"				
7' 0"	HPI 1270 S	HPI 1470 S	HPI 1670 S	HPI 1870 S
7' 3 1/2"				
7' 3"	HPI 1273 S	HPI 1473 S	HPI 1673 S	HPI 1873 S
8' 0 1/2"				
8' 0"	HPI 1280 S	HPI 1480 S	HPI 1680 S	HPI 1880 S
8' 3 1/2"				
8' 3"	HPI 1283 S	HPI 1483 S	HPI 1683 S	HPI 1883 S

Inswing Direct-Set Sidelight Sizes

	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 1/2"	1' 4 1/2"	1' 6 1/2"	1' 8 1/2"
6' 8 1/2"				
6' 8"	HPIDG 1268 S	HPIDG 1468 S	HPIDG 1668 S	HPIDG 1868 S
6' 10 1/2"				
6' 10"	HPIDG 12610 S	HPIDG 14610 S	HPIDG 16610 S	HPIDG 18610 S
7' 0 1/2"				
7' 0"	HPIDG 1270 S	HPIDG 1470 S	HPIDG 1670 S	HPIDG 1870 S
7' 3 1/2"				
7' 3"	HPIDG 1273 S	HPIDG 1473 S	HPIDG 1673 S	HPIDG 1873 S
8' 0 1/2"				
8' 0"	HPIDG 1280 S	HPIDG 1480 S	HPIDG 1680 S	HPIDG 1880 S
8' 3 1/2"				
8' 3"	HPIDG 1283 S	HPIDG 1483 S	HPIDG 1683 S	HPIDG 1883 S

NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2". When joining a venting sidelight to a door, the minimum vertical joining material width is 2".

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Inswing Frame Height (using Low Threshold Sill)

= Standard Inswing Frame Height - 15/16"

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Hinged Inswing Patio Door Sash-Set Transom Sizes

	2' 1"	2' 7"	2' 9"	3' 1"	3' 3"	4' 0 1/2"	5' 0 1/2"	5' 4 1/2"	6' 0 1/2"	6' 4 1/2"
	2' 0 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	4' 0"	5' 0"	5' 4"	6' 0"	6' 4"
RO. F.S.										
1' 2"										
1' 4"										
1' 6"										
1' 8"										
2' 0"										
2' 4"										
2' 6"										
2' 8"										
3' 0"										

Hinged Inswing Patio Door Sash-Set Transom Sizes

	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 1/2"	1' 4 1/2"	1' 6 1/2"	1' 8 1/2"
RO. F.S.				
1' 2"				
1' 4"				
1' 6"				
1' 8"				
2' 0"				

	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 1/2"	1' 4 1/2"	1' 6 1/2"	1' 8 1/2"
RO. F.S.				
2' 4"				
2' 6"				
2' 8"				
3' 0"				

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Hinged Inswing Patio Door Direct-Set Transom Sizes (Specialty Frame)

	2' 7"	2' 9"	3' 1"	3' 3"	4' 0 1/2"	5' 0 1/2"	5' 4 1/2"
	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	4' 0"	5' 0"	5' 4"
	TR 2' 6 1/2" X 2' 0"	TR 2' 8 1/2" X 2' 0"	TR 3' 0 1/2" X 2' 0"	TR 3' 2 1/2" X 2' 0"	TR 4' 0" X 2' 0"	TR 5' 0" X 2' 0"	TR 5' 4" X 2' 0"
	6' 0 1/2"	6' 4 1/2"	7' 7 1/2"	8' 1 1/2"	9' 1 1/2"		
	6' 0"	6' 4"	7' 7"	8' 1"	9' 1"		
	TR 6' 0" X 2' 0"	TR 6' 4" X 2' 0"	TR 7' 7" X 2' 0"	TR 8' 1" X 2' 0"	TR 9' 1" X 2' 0"		

Hinged Inswing Patio Door Direct-Set Elliptical Sizes (Specialty Frame)

	3' 1"	4' 0 1/2"	5' 0 1/2"	5' 4 1/2"	6' 0 1/2"
	3' 0 1/2"	4' 0"	5' 0"	5' 4"	6' 0"
	TE 3' 0 1/2" X 1' 4"	TE 4' 0" X 1' 4"	TE 5' 0" X 1' 4"	TE 5' 4" X 1' 4"	TE 6' 0" X 1' 4"
	7' 7 1/2"	8' 1 1/2"	9' 1 1/2"		
	7' 7"	8' 1"	9' 1"		
	TE 7' 7" X 1' 6"	TE 8' 1" X 1' 6"	TE 9' 1" X 1' 6"		

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

- 2' 6-1/2" wide transoms are used above 2668, 26610 or 2680 Hinged Inswing Patio Doors.
- 2' 8-1/2" wide transoms are used above 2868, 28610 or 2880 Hinged Inswing Patio Doors.
- 3' 0-1/2" wide transoms are used above 3068, 30610 or 3080 Hinged Inswing Patio Doors.
- 4' 0" wide transoms are used above 4068, 40610 or 4080 Hinged Inswing Patio Doors.
- 5' 0" wide transoms are used above 5068, 50610 or 5080 Hinged Inswing Patio Doors.
- 5' 4" wide transoms are used above 5468, 54610 or 5480 Hinged Inswing Patio Doors.
- 6' 0" wide transoms are used above 6068, 60610 or 6080 Hinged Inswing Patio Doors.
- 7' 7" wide transoms are used above 5068/50610/5080 Hinged Inswing Patio Doors with 2668/26610/2680 Sidelights.
- 8' 1" wide transoms are used above 5468/54610/5480 Hinged Inswing Patio Doors with 2868/28610/2880 Sidelights.
- 9' 1" wide transoms are used above 6068/60610/6080 Hinged Inswing Patio Doors with 3068/30610/3080 Sidelights.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

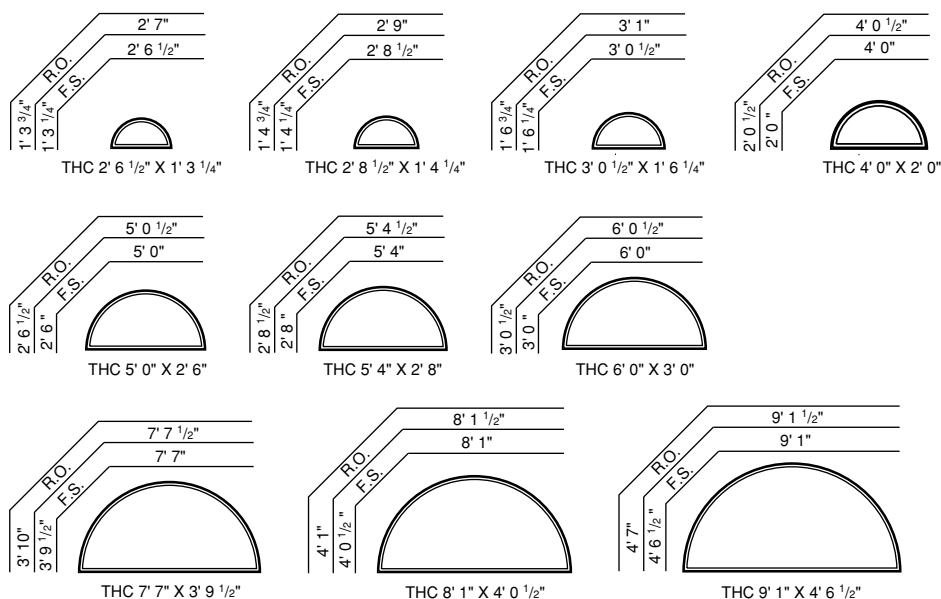
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Hinged Inswing Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



Hinged Inswing Patio Door Direct-Set Transom Sizes

RO	2' 1"	2' 7"	2' 9"	3' 1"	3' 3"	4' 0 1/2"	5' 0 1/2"	5' 4 1/2"	6' 0 1/2"	6' 4 1/2"
FS	2' 0 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	4' 0"	5' 0"	5' 4"	6' 0"	6' 4"
1' 2"	HPIDT2012	HPIDT2612	HPIDT2812	HPIDT3012	HPIDT3212	HPIDT4012	HPIDT5012	HPIDT5412	HPIDT6012	HPIDT6412
1' 4"	HPIDT2014	HPIDT2614	HPIDT2814	HPIDT3014	HPIDT3214	HPIDT4014	HPIDT5014	HPIDT5414	HPIDT6014	HPIDT6414
1' 6"	HPIDT2016	HPIDT2616	HPIDT2816	HPIDT3016	HPIDT3216	HPIDT4016	HPIDT5016	HPIDT5416	HPIDT6016	HPIDT6416
1' 8"	HPIDT2018	HPIDT2618	HPIDT2818	HPIDT3018	HPIDT3218	HPIDT4018	HPIDT5018	HPIDT5418	HPIDT6018	HPIDT6418
2' 0"	HPIDT2020	HPIDT2620	HPIDT2820	HPIDT3020	HPIDT3220	HPIDT4020	HPIDT5020	HPIDT5420	HPIDT6020	HPIDT6420

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

- 2' 6-1/2" wide transoms are used above 2668, 26610 or 2680 Hinged Inswing Patio Doors.
- 2' 8-1/2" wide transoms are used above 2868, 28610 or 2880 Hinged Inswing Patio Doors.
- 3' 0-1/2" wide transoms are used above 3068, 30610 or 3080 Hinged Inswing Patio Doors.
- 4' 0" wide transoms are used above 4068, 40610 or 4080 Hinged Inswing Patio Doors.
- 5' 0" wide transoms are used above 5068, 50610 or 5080 Hinged Inswing Patio Doors.
- 5' 4" wide transoms are used above 5468, 54610 or 5480 Hinged Inswing Patio Doors.
- 6' 0" wide transoms are used above 6068, 60610 or 6080 Hinged Inswing Patio Doors.
- 7' 7" wide transoms are used above 5068/50610/5080 Hinged Inswing Patio Doors with 2668/26610/2680 Sidelights.
- 8' 1" wide transoms are used above 5468/54610/5480 Hinged Inswing Patio Doors with 2868/28610/2880 Sidelights.
- 9' 1" wide transoms are used above 6068/60610/6080 Hinged Inswing Patio Doors with 3068/30610/3080 Sidelights.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.









































FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).





































The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Hinged Inswing Patio Door Direct-Set Transom Sizes

RO FS	2' 1"		2' 7"		2' 9"		3' 1"		3' 3"		4' 0 1/2"		5' 0 1/2"		5' 4 1/2"		6' 0 1/2"		6' 4 1/2"	
	2' 0 1/2"		2' 6 1/2"		2' 8 1/2"		3' 0 1/2"		3' 2 1/2"		4' 0"		5' 0"		5' 4"		6' 0"		6' 4"	
2' 4 1/2"																				
2' 6 1/2"																				
2' 8 1/2"																				
3' 0 1/2"																				
	HPIDT2024		HPIDT2624		HPIDT2824		HPIDT3024		HPIDT3224		HPIDT4024		HPIDT5024		HPIDT5424		HPIDT6024		HPIDT6424	
	HPIDT2026		HPIDT2626		HPIDT2826		HPIDT3026		HPIDT3226		HPIDT4026		HPIDT5026		HPIDT5426		HPIDT6026		HPIDT6426	
	HPIDT2028		HPIDT2628		HPIDT2828		HPIDT3028		HPIDT3228		HPIDT4028		HPIDT5028		HPIDT5428		HPIDT6028		HPIDT6428	
	HPIDT2030		HPIDT2630		HPIDT2830		HPIDT3030		HPIDT3230		HPIDT4030		HPIDT5030		HPIDT5430		HPIDT6030		HPIDT6430	

Hinged Inswing Patio Door Direct-Set Transom Sizes

RO FS	1' 3"		1' 5"		1' 7"		1' 9"	
	1' 2 1/2"		1' 4 1/2"		1' 6 1/2"		1' 8 1/2"	
1' 2"								
1' 4"								
1' 6"								
1' 8"								
2' 0"								
2' 4"								
2' 6"								
2' 8"								
3' 0"								
	HPIDT1212		HPIDT1412		HPIDT1612		HPIDT1812	
	HPIDT1214		HPIDT1414		HPIDT1614		HPIDT1814	
	HPIDT1216		HPIDT1416		HPIDT1616		HPIDT1816	
	HPIDT1218		HPIDT1418		HPIDT1618		HPIDT1818	
	HPIDT1220		HPIDT1420		HPIDT1620		HPIDT1820	
	HPIDT1224		HPIDT1424		HPIDT1624		HPIDT1824	
	HPIDT1226		HPIDT1426		HPIDT1626		HPIDT1826	
	HPIDT1228		HPIDT1428		HPIDT1628		HPIDT1828	
	HPIDT1230		HPIDT1430		HPIDT1630		HPIDT1830	

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.





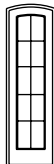
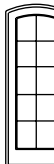

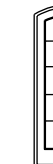
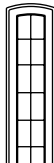
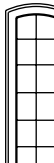

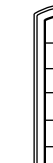
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Single Arch Inswing Patio Door & Sidelight Sizes

		2' 1"	2' 7"	2' 9"	3' 1"
		2' 0 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"
RO. F.S.	6' 8 1/2"				
	6' 8"				
	6' 10 1/2"				
	6' 10"				
	8' 0 1/2"				
	8' 0"				

NOTES

All doors and sidelights use safety/tempered glass.

Single doors have a 3' 0" radius.

Double doors have a 5' 0" radius.

See handing chart on page 130 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Inswing Frame Height (using Low Threshold Sill)

= Standard Inswing Frame Height – 15/16"



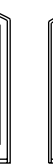
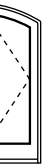


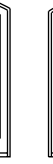



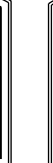

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

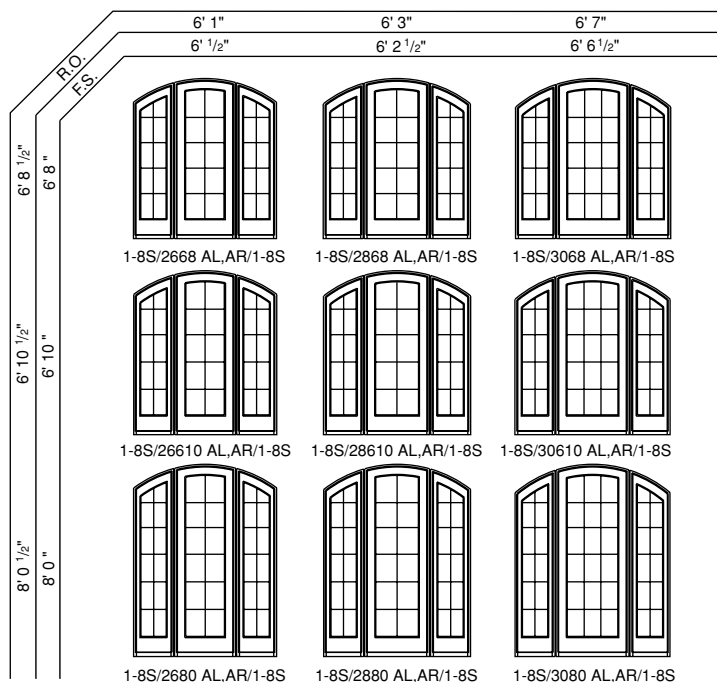
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Double Arch Inswing Patio Door Sizes

		4' 0 1/2"	5' 0 1/2"	5' 4 1/2"	6' 0 1/2"
		4' 0"	5' 0"	5' 4"	6' 0"
RO. F.S.	6' 8 1/2"				
	6' 8"				
	6' 10 1/2"				
	6' 10"				
	8' 0 1/2"				
	8' 0"				

3-Wide Arch Inswing Patio Door & Sidelight Sizes



NOTES

All doors and sidelights use safety/tempered glass.

3-wide doors have a 5' 0" radius.

See handing chart on page 130 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Inswing Frame Height Formula (using Low Threshold Sill)

= Standard Inswing Frame Height – 15/16"

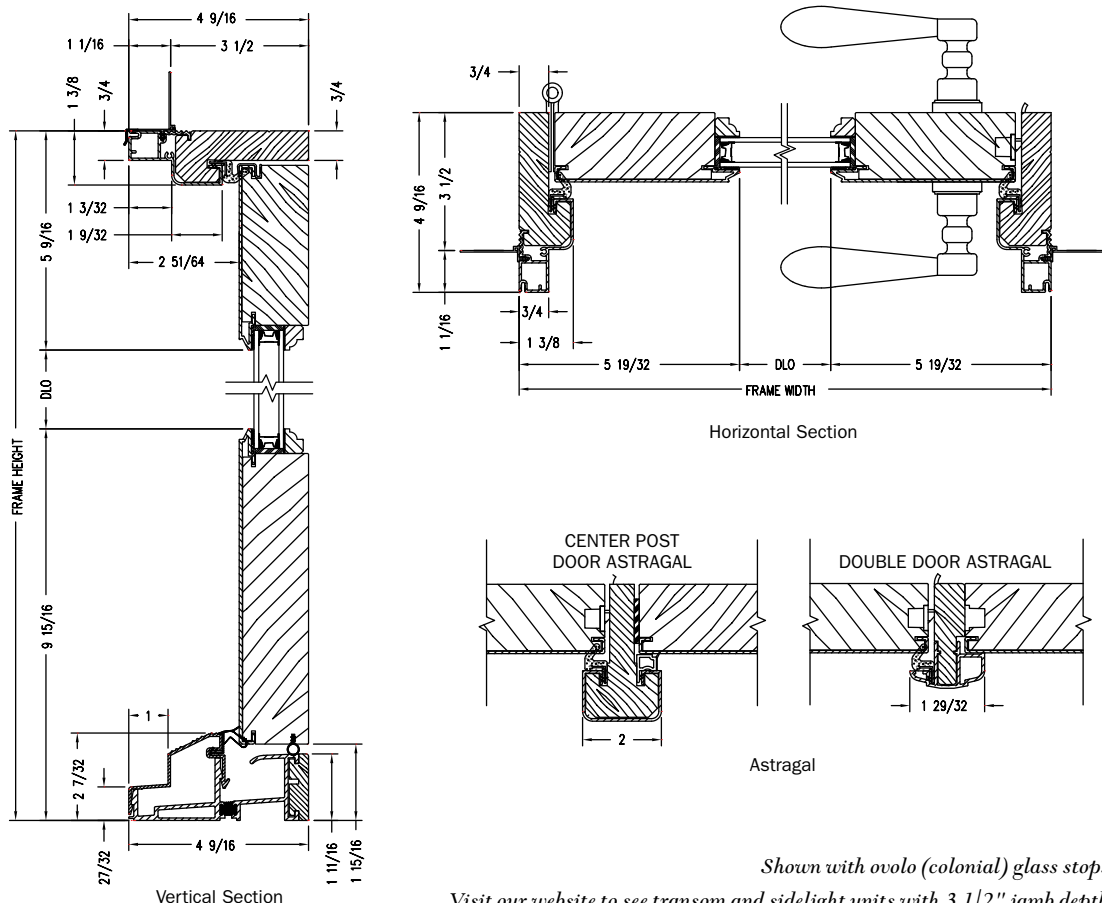
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for arch sidelights.

Hinged Inswing Patio Doors (3-1/2" Jamb Depth)



Shown with ovolo (colonial) glass stops.

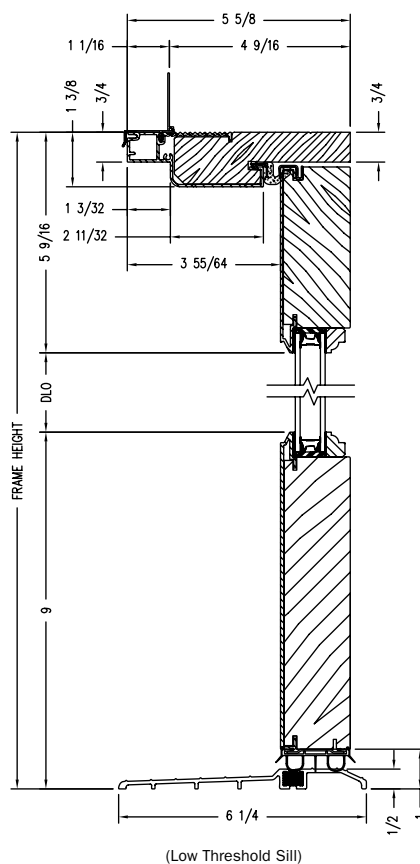
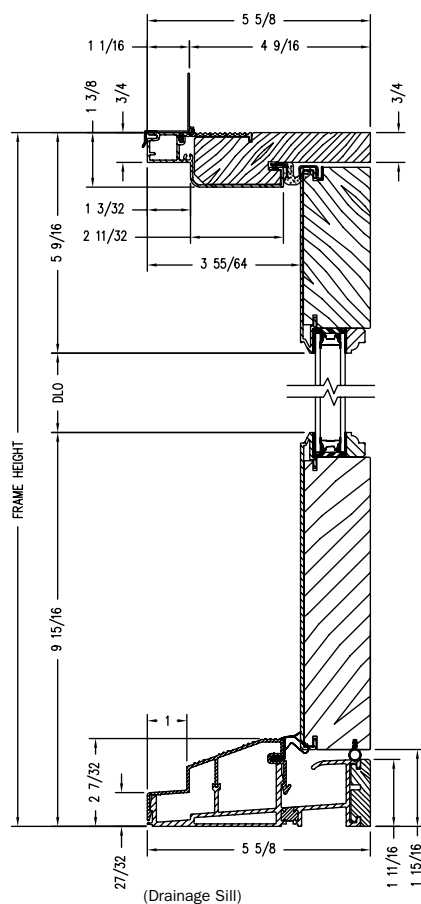
Visit our website to see transom and sidelight units with 3 1/2" jamb depth.

SEE OPPOSITE PAGE FOR INSTALLATION AND MAINTENANCE NOTES.

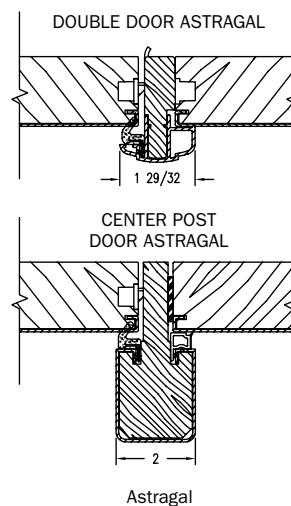
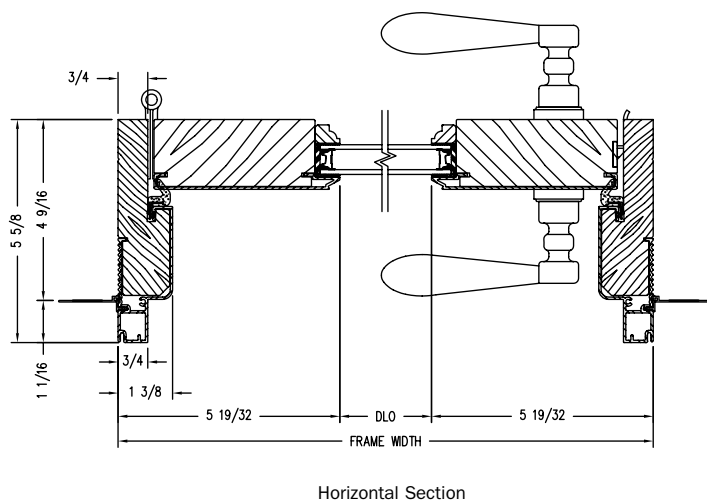
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Hinged Inswing Patio Doors (4-9/16" Jamb Depth)

Hinged Inswing Patio Door



Vertical Section



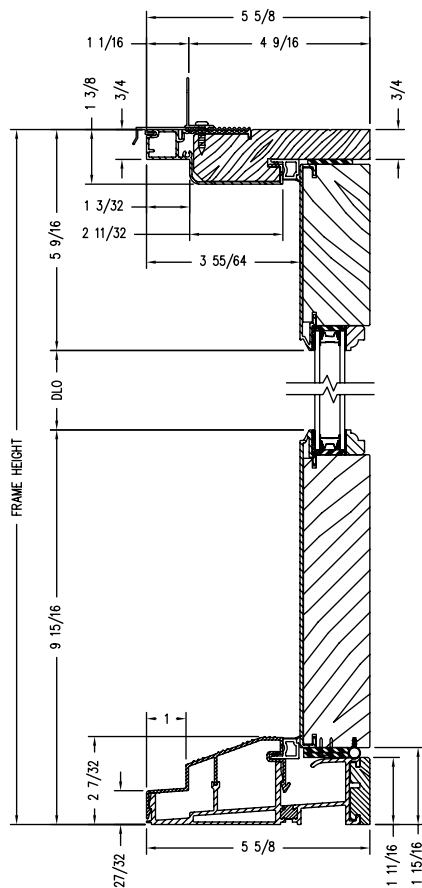
Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

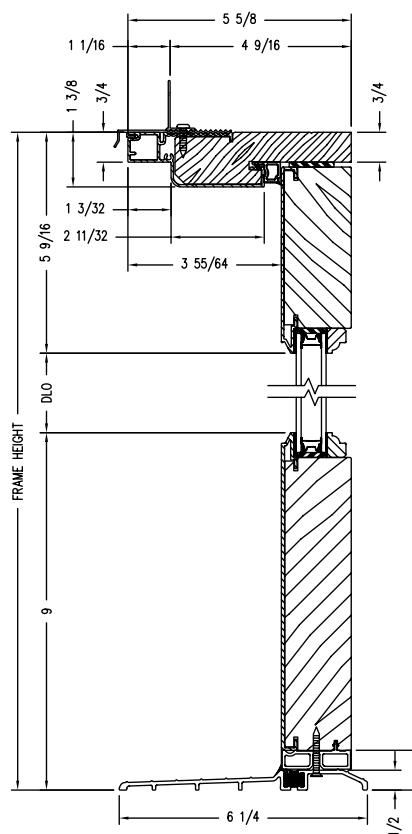
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Inswing Hinged Patio Doors (4-9/16" Jamb Depth)

Inswing Sash-Set Sidelight

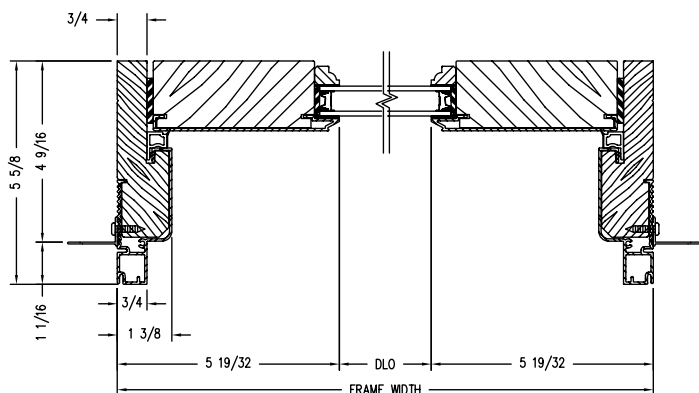


(Drainage Sill)

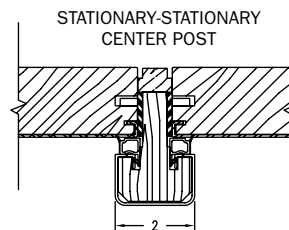


(Low Threshold Sill)

Vertical Section



Horizontal Section



Astragal

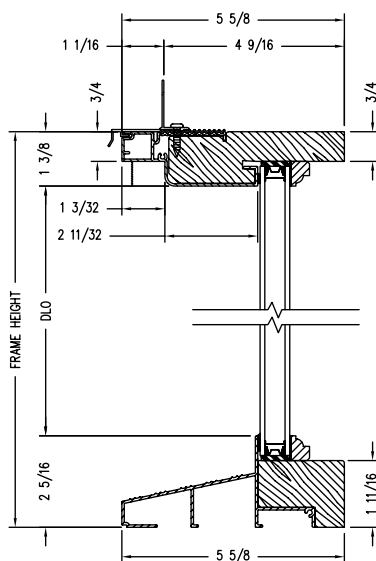
Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

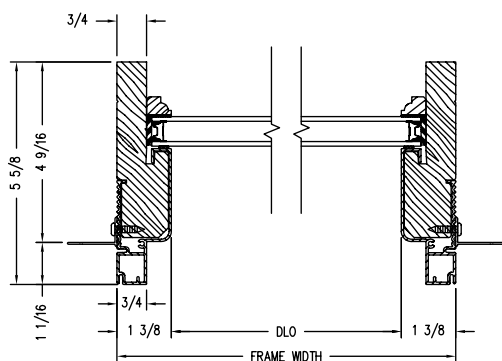
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Hinged Inswing Patio Doors (4-9/16" Jamb Depth)

Inswing Direct-Set Sidelight

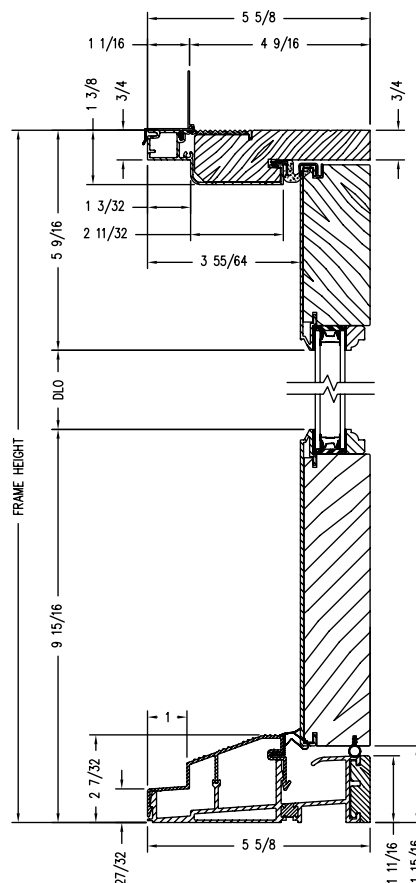


Vertical Section

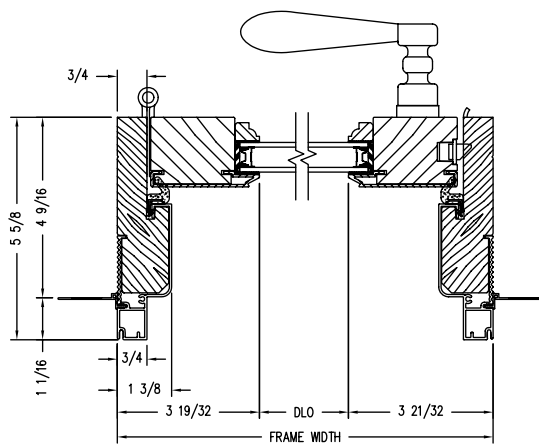


Horizontal Section

Inswing Venting Sidelight



Vertical Section



Horizontal Section

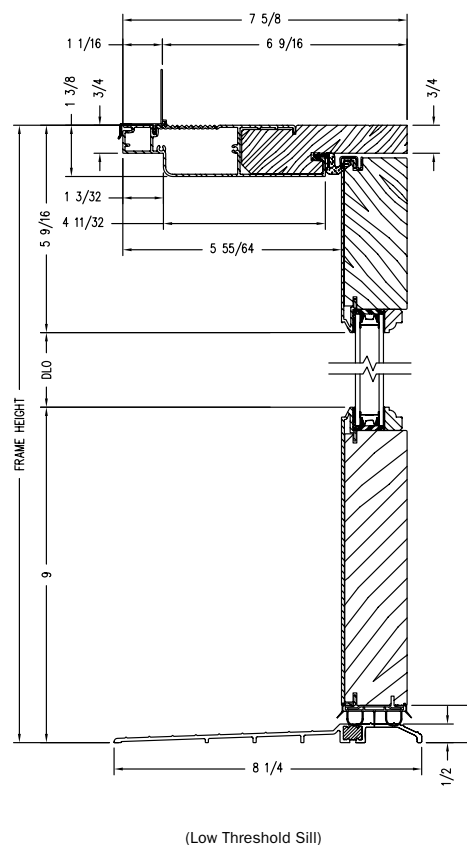
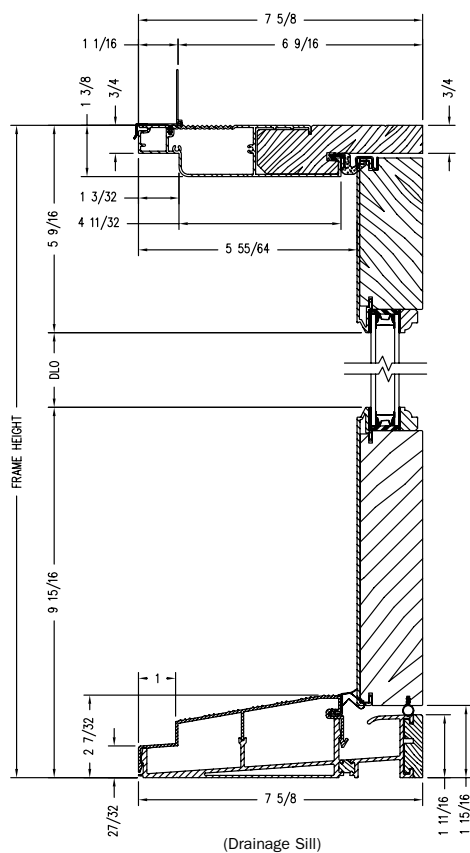
Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

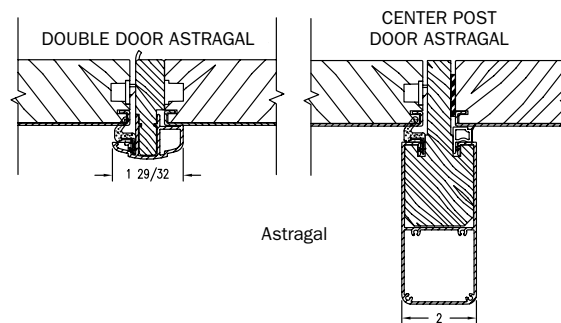
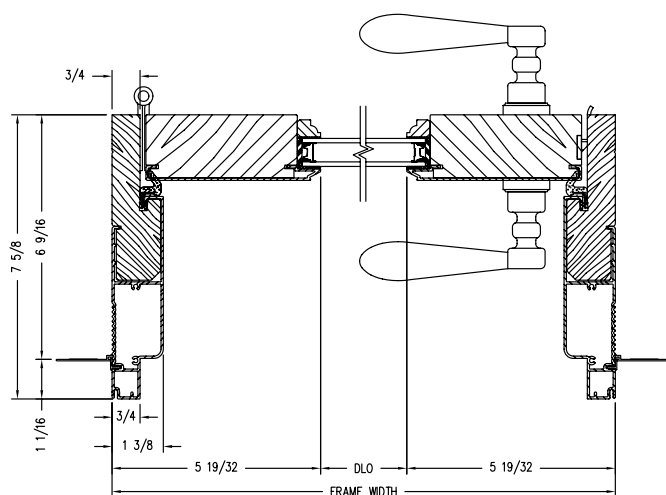
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Hinged Inswing Patio Doors (6-9/16" Jamb Depth)



Vertical Section



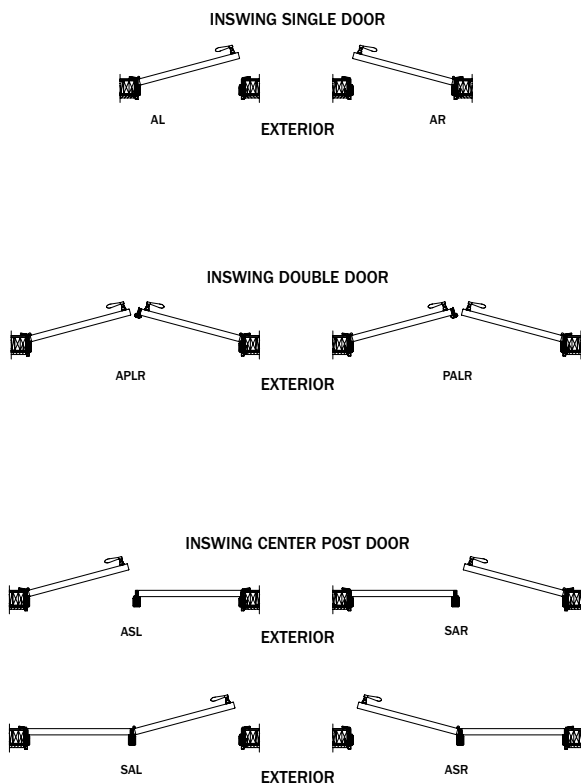
Shown with ovolo (colonial) glass stops.

Visit our website to see transoms and sidelight units with 6-9/16" jamb depth.

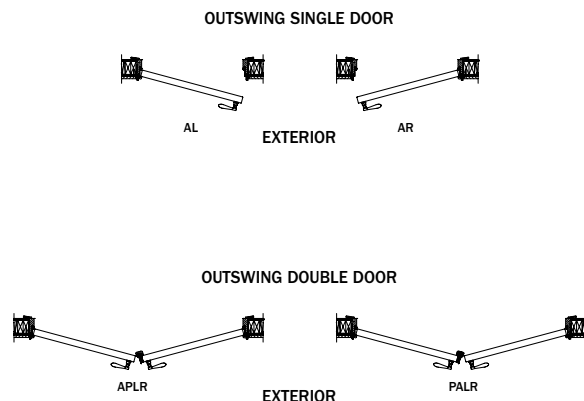
PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Hinged Inswing Patio Door Handing (As Viewed From Exterior)

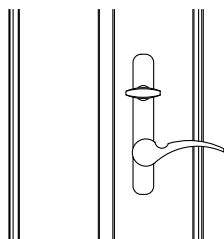


Hinged Outswing Patio Door Handing (As Viewed From Exterior)



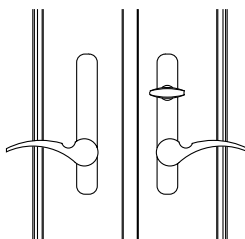
Double Door Hardware Types

We offer three types of hardware on our hinged inswing and outswing patio double doors.
(Interior Illustration)



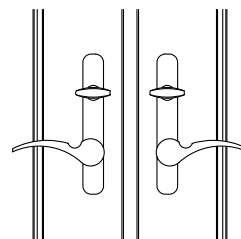
Type I Hardware

Autolatch® multi-point system on the active panel and a manually operated lever shoot bolt through the astragal. No handle is furnished for the passive panel.



Type II Hardware

Autolatch multi-point system on the active panel and a dummy handle on the passive panel. The passive panel has a manually operated lever shoot bolt through the astragal.



Type III Hardware

Autolatch multi-point system on the active panel and a manual shoot bolt operated through the handle on the passive panel. There are two deadbolts operated on the interior by thumb knobs and operated on the exterior by a keyed cylinder on the active panel.

NOTES

The active panel is to the right in each diagram.

Double Hinged Outswing Patio Door Sizes

	4' 0 ⁹ / ₁₆ "		5' 0 ⁹ / ₁₆ "		5' 4 ⁹ / ₁₆ "		6' 0 ⁹ / ₁₆ "		6' 4 ⁹ / ₁₆ "	
	4' 0 ¹ / ₁₆ "		5' 0 ¹ / ₁₆ "		5' 4 ¹ / ₁₆ "		6' 0 ¹ / ₁₆ "		6' 4 ¹ / ₁₆ "	
6' 7 ¹³ / ₁₆ "										
	HPO 4068 APLR, PALR		HPO 5068 APLR, PALR		HPO 5468 APLR, PALR		HPO 6068 APLR, PALR		HPO 6468 APLR, PALR	
6' 9 ¹³ / ₁₆ "										
	HPO 40610 APLR, PALR		HPO 50610 APLR, PALR		HPO 54610 APLR, PALR		HPO 60610 APLR, PALR		HPO 64610 APLR, PALR	
6' 11 ¹³ / ₁₆ "										
	HPO 4070 APLR, PALR		HPO 5070 APLR, PALR		HPO 5470 APLR, PALR		HPO 6070 APLR, PALR		HPO 6470 APLR, PALR	
7' 2 ¹³ / ₁₆ "										
	HPO 4073 APLR, PALR		HPO 5073 APLR, PALR		HPO 5473 APLR, PALR		HPO 6073 APLR, PALR		HPO 6473 APLR, PALR*	
7' 11 ¹³ / ₁₆ "										
	HPO 4080 APLR, PALR		HPO 5080 APLR, PALR		HPO 5480 APLR, PALR		HPO 6080 APLR, PALR		HPO 6480 APLR, PALR	
8' 2 ¹³ / ₁₆ "										
	HPO 4083 APLR, PALR		HPO 5083 APLR, PALR		HPO 5483 APLR, PALR		HPO 6083 APLR, PALR		HPO 6483 APLR, PALR*	

NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2".

*Commercial sized door panels.

See handing chart on page 130 for operation options.

Use structural joining material when necessary or required by code.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).


















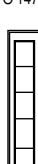






The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Outswing Frame Height Formula (using Low Threshold Sill)

= Standard Outswing Frame Height – 7/16"

Outswing Sash-Set Sidelight Sizes

	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 1/2"	1' 4 1/2"	1' 6 1/2"	1' 8 1/2"
6' 7 13/16"				
6' 9 13/16"				
6' 11 13/16"				
7' 2 13/16"				
7' 11 13/16"				
8' 2 13/16"				
	HPO 1268 S	HPO 1468 S	HPO 1668 S	HPO 1868 S
	HPO 12610 S	HPO 14610 S	HPO 16610 S	HPO 18610 S
	HPO 1270 S	HPO 1470 S	HPO 1670 S	HPO 1870 S
	HPO 1273 S	HPO 1473 S	HPO 1673 S	HPO 1873 S
	HPO 1280 S	HPO 1480 S	HPO 1680 S	HPO 1880 S
	HPO 1283 S	HPO 1483 S	HPO 1683 S	HPO 1883 S

NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2". When joining a venting sidelight to a door, the minimum vertical joining material width is 2".

*Commercial sized door panels.

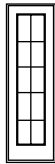




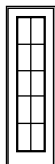




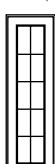






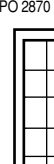







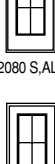
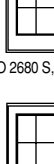
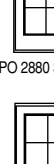
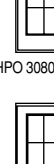
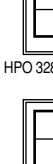
See handing chart on page 130 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Single Hinged Outswing Patio Door & Sidelight Sizes

	2' 1"	2' 7"	2' 9"	3' 1"	3' 3"
	2' 0 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"
6' 7 13/16"					
6' 9 13/16"					
6' 11 13/16"					
7' 2 13/16"					
7' 11 13/16"					
8' 2 13/16"					
	HPO 2068 S,AL,AR	HPO 2668 S,AL,AR	HPO 2868 S,AL,AR	HPO 3068 S,AL,AR	HPO 3268 S,AL,AR
	HPO 20610 S,AL,AR	HPO 26610 S,AL,AR	HPO 28610 S,AL,AR	HPO 30610 S,AL,AR	HPO 32610 S,AL,AR
	HPO 2070 S,AL,AR	HPO 2670 S,AL,AR	HPO 2870 S,AL,AR	HPO 3070 S,AL,AR	HPO 3270 S,AL,AR
	HPO 2073 S,AL,AR	HPO 2673 S,AL,AR	HPO 2873 S,AL,AR	HPO 3073 S,AL,AR	HPO 3273 S,AL,AR
	HPO 2080 S,AL,AR	HPO 2680 S,AL,AR	HPO 2880 S,AL,AR	HPO 3080 S,AL,AR	HPO 3280 S,AL,AR
	HPO 2083 S,AL,AR	HPO 2683 S,AL,AR	HPO 2883 S,AL,AR	HPO 3083 S,AL,AR	HPO 3283 S,AL,AR

Outswing Frame Height Formula (using Low Threshold Sill)

= Standard Outswing Frame Height – 7/16"



























































































FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).





















The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

















Hinged Outswing Patio Door Sash-Set Transom Sizes

	2' 1"	2' 7"	2' 9"	3' 1"	3' 3"	4' 0 ⁹ / ₁₆ "	5' 0 ⁹ / ₁₆ "	5' 4 ⁹ / ₁₆ "	6' 0 ⁹ / ₁₆ "	6' 4 ⁹ / ₁₆ "
	2' 0 ¹ / ₂ "	2' 6 ¹ / ₂ "	2' 8 ¹ / ₂ "	3' 0 ¹ / ₂ "	3' 2 ¹ / ₂ "	4' 0 ¹ / ₁₆ "	5' 0 ¹ / ₁₆ "	5' 4 ¹ / ₁₆ "	6' 0 ¹ / ₁₆ "	6' 4 ¹ / ₁₆ "
1' 2"										
1' 4"										
1' 6"										
1' 8"										
2' 0"										
2' 4"										
2' 6"										
2' 8"										
3' 0"										

Hinged Outswing Patio Door Sash-Set Transom Sizes

	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 ¹ / ₂ "	1' 4 ¹ / ₂ "	1' 6 ¹ / ₂ "	1' 8 ¹ / ₂ "
1' 2"				
1' 4"				
1' 6"				
1' 8"				
2' 0"				

Hinged Outswing Patio Door Sash-Set Transom Sizes

	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 ¹ / ₂ "	1' 4 ¹ / ₂ "	1' 6 ¹ / ₂ "	1' 8 ¹ / ₂ "
2' 4"				
2' 6"				
2' 8"				
3' 0"				

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

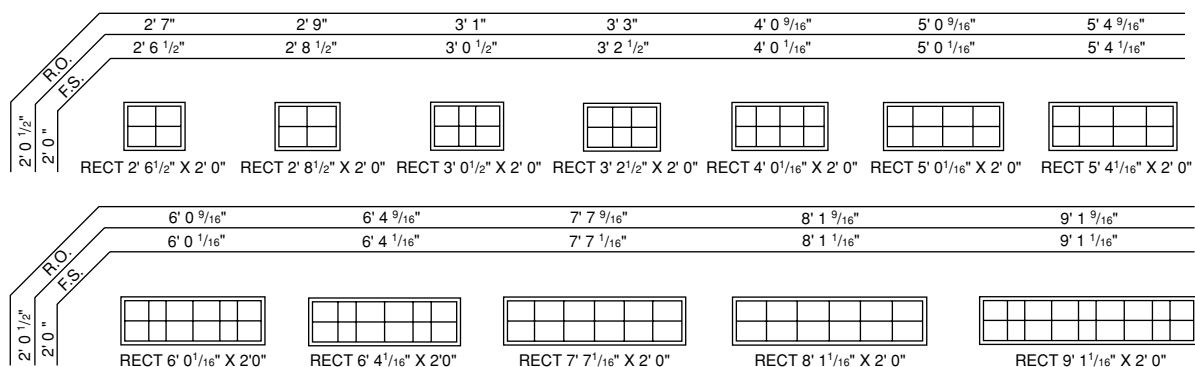
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

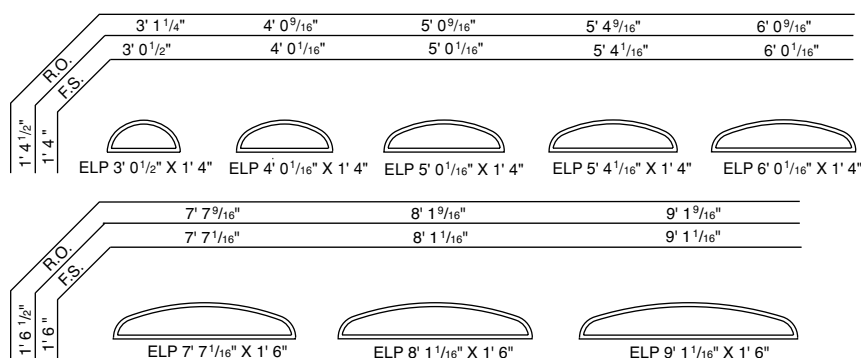
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

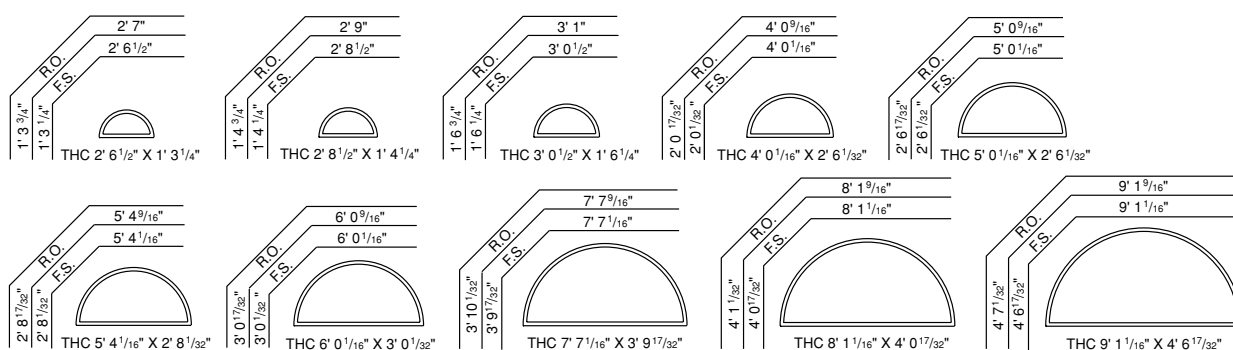
Hinged Outswing Patio Door Direct-Set Transom Sizes (Specialty Frame)



Hinged Outswing Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



Hinged Outswing Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

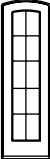
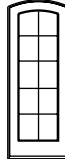
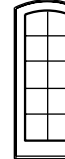
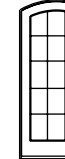
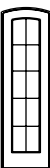
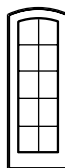
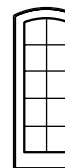
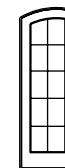

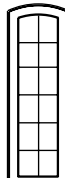
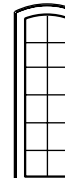
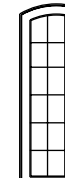
- 2' 6-1/2" wide transoms are used above 2668, 26610 or 2680 Hinged Outswing Patio Doors.
- 2' 8-1/2" wide transoms are used above 2868, 28610 or 2880 Hinged Outswing Patio Doors.
- 3' 0-1/2" wide transoms are used above 3068, 30610 or 3080 Hinged Outswing Patio Doors.
- 4' 0" wide transoms are used above 4068, 40610 or 4080 Hinged Outswing Patio Doors.
- 5' 0" wide transoms are used above 5068, 50610 or 5080 Hinged Outswing Patio Doors.
- 5' 4" wide transoms are used above 5468, 54610 or 5480 Hinged Outswing Patio Doors.
- 6' 0" wide transoms are used above 6068, 60610 or 6080 Hinged Outswing Patio Doors.
- 7' 7" wide transoms are used above 5068/50610/5080 Hinged Outswing Patio Doors with 2668/26610/2680 Sidelights.
- 8' 1" wide transoms are used above 5468/54610/5480 Hinged Outswing Patio Doors with 2868/28610/2880 Sidelights.
- 9' 1" wide transoms are used above 6068/60610/6080 Hinged Outswing Patio Doors with 3068/30610/3080 Sidelights.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

SEE NOTES ON OPPOSITE PAGE FOR MORE INFORMATION.

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Single Arch Outswing Patio Door & Sidelight Sizes

R.O. F.S.				
	2' 1"	2' 7"	2' 9"	3' 1"
6' 7 13/16"	2' 0 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"
6' 7 9/16"				
	RHPO 2068 S,AL,AR	RHPO 2668 S,AL,AR	RHPO 2868 S,AL,AR	RHPO 3068 S,AL,AR
6' 9 13/16"				
	RHPO 20610 S,AL,AR	RHPO 26610 S,AL,AR	RHPO 28610 S,AL,AR	RHPO 30610 S,AL,AR
7' 11 13/16"				
	RHPO 2080 S,AL,AR	RHPO 2680 S,AL,AR	RHPO 2880 S,AL,AR	RHPO 3080 S,AL,AR

NOTES

All doors and sidelights use safety/tempered glass.

Single doors have a 3' 0" radius.

Double doors have a 5' 0" radius.

See handing chart on page 130 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Outswing Frame Height Formula (using Low Threshold Sill)

= Standard Outswing Frame Height – 7/16"

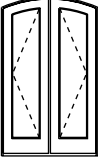

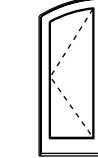
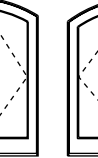
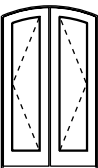

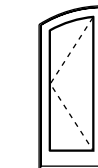
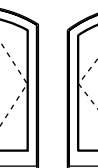
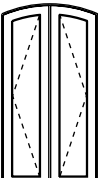
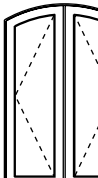
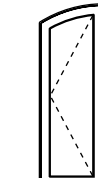
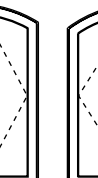
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

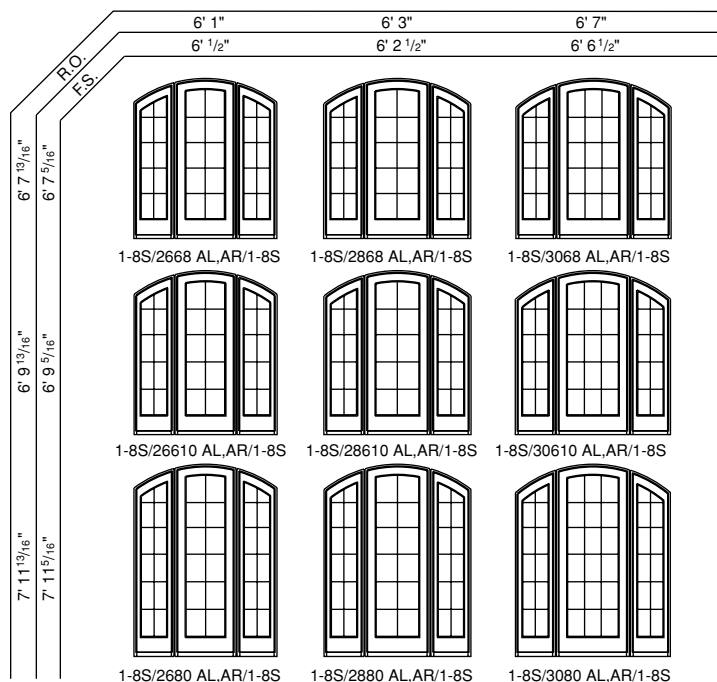
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Double Arch Outswing Patio Door Sizes

R.O. F.S.				
	4' 0 9/16"	5' 0 9/16"	5' 4 9/16"	6' 0 9/16"
6' 7 13/16"	4' 0 1/16"	5' 0 1/16"	5' 4 1/16"	6' 0 1/16"
6' 7 9/16"				
	RHPO 4068 APLR,PALR	RHPO 5068 APLR,PALR	RHPO 5468 APLR,PALR	RHPO 6068 APLR,PALR
6' 9 13/16"				
	RHPO 40610 APLR,PALR	RHPO 50610 APLR,PALR	RHPO 54610 APLR,PALR	RHPO 60610 APLR,PALR
7' 11 13/16"				
	RHPO 4080 APLR,PALR	RHPO 5080 APLR,PALR	RHPO 5480 APLR,PALR	RHPO 6080 APLR,PALR

3-Wide Arch Outswing Patio Door & Sidelight Sizes



NOTES

All doors and sidelights use safety/tempered glass.

3-wide doors have a 5' 0" radius.

CPS doors shown with optional mid-rail.

See handing chart on page 130 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Outswing Frame Height Formula* (using Low Threshold Sill)

= Standard Outswing Frame Height – 7/16"

*Does not apply to Concealed Panic System (CPS) doors

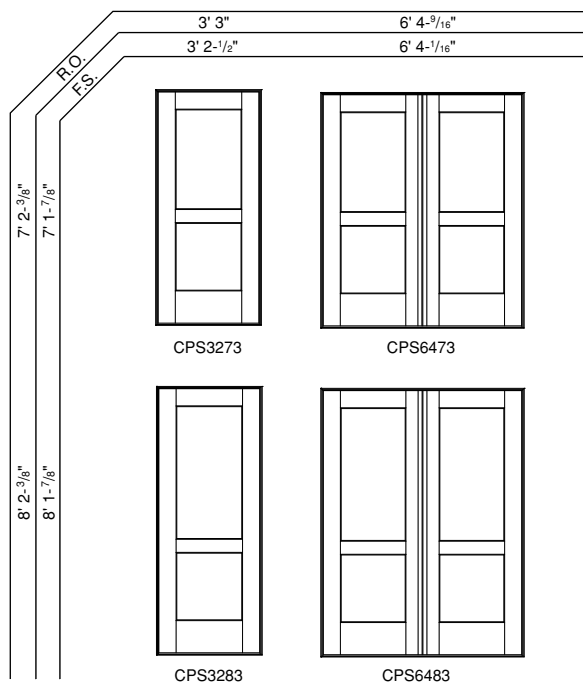
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

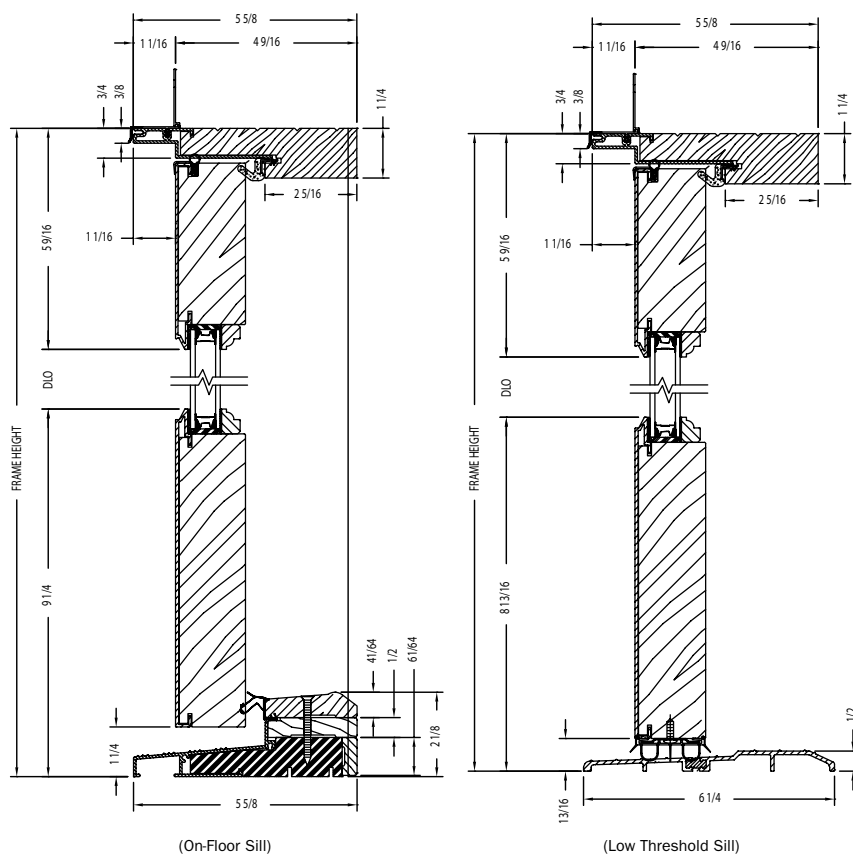
Any unit within each combination can be operating or stationary except for arch sidelights.

Concealed Panic System (CPS) Door Sizes



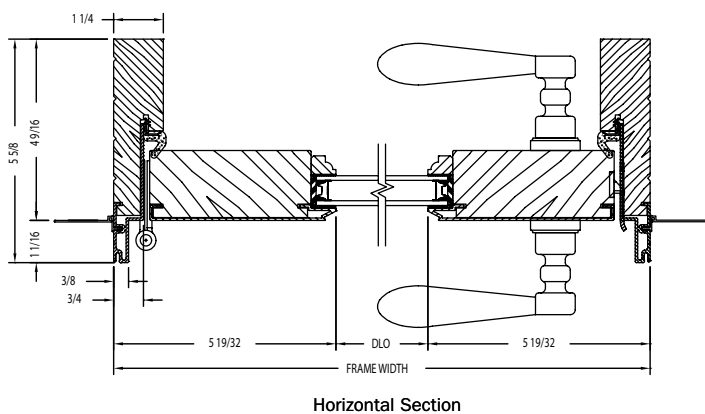
Hinged Outswing Patio Doors

Hinged Outswing Patio Door

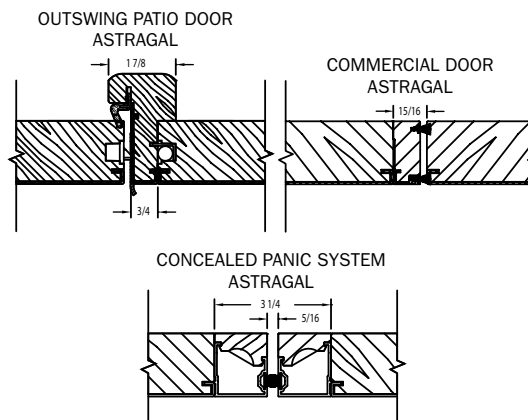


Vertical Section

Astragal



Horizontal Section



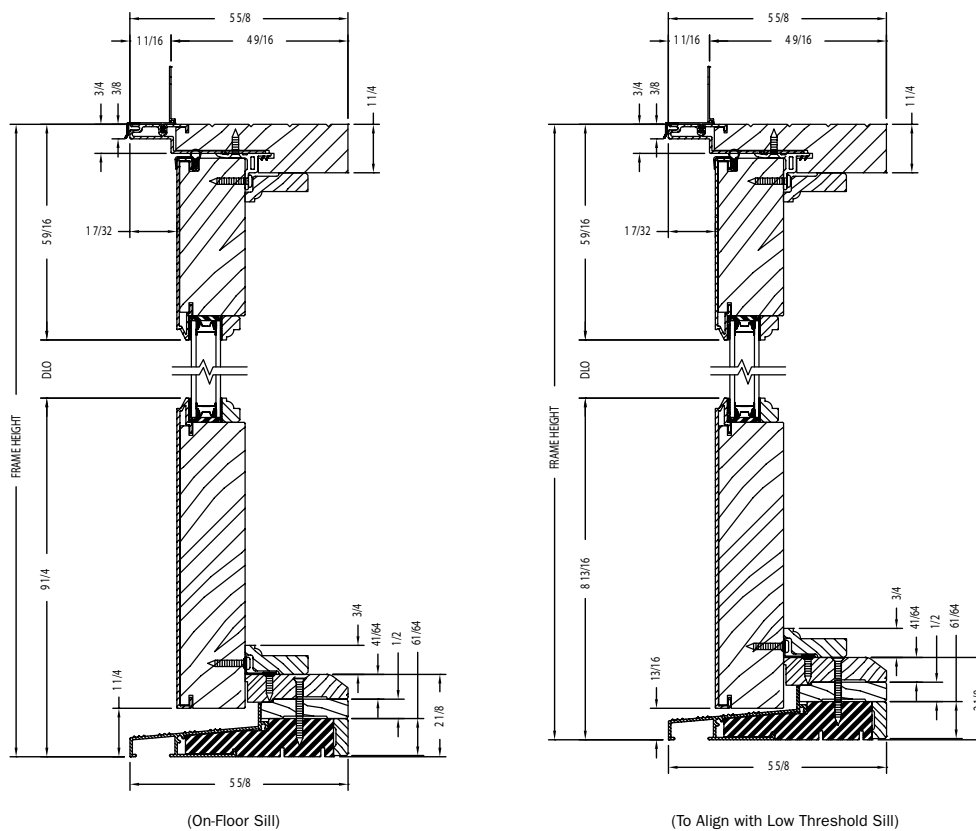
Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

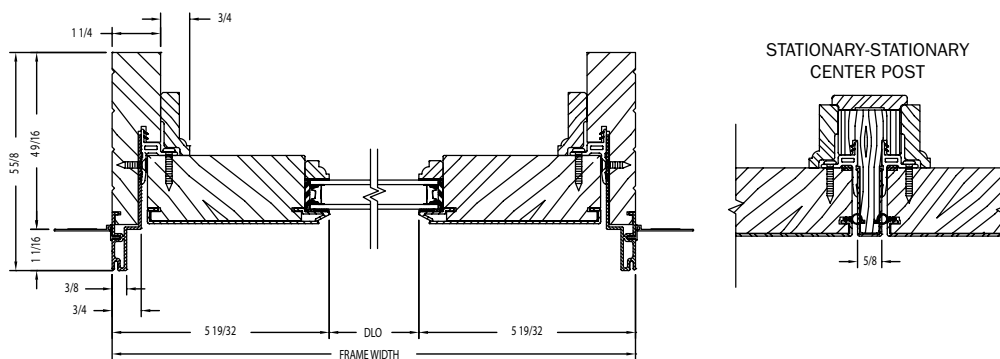
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Hinged Outswing Patio Doors

Outswing Sash-Set Sidelight



Vertical Section



Horizontal Section

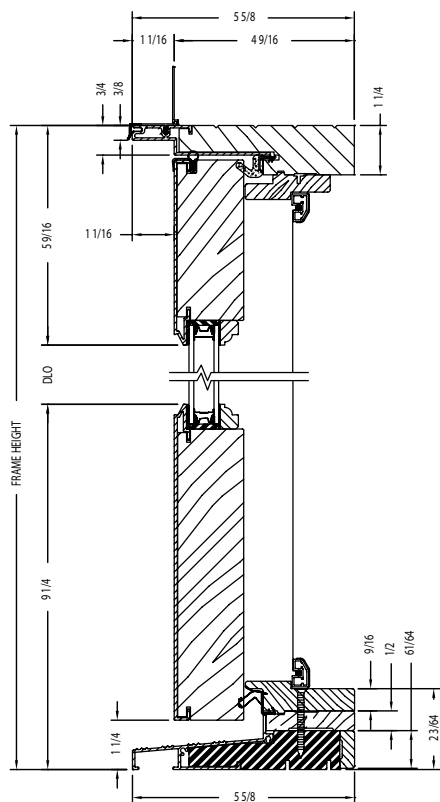
Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

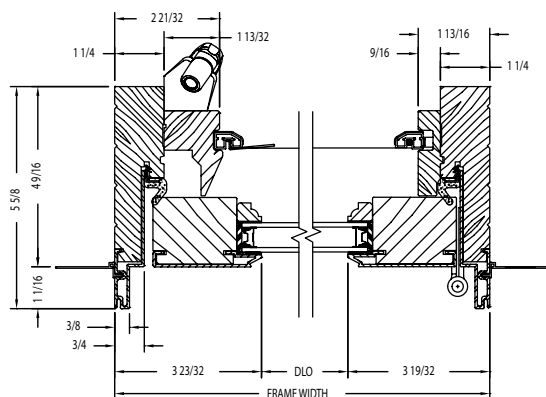
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Hinged Outswing Patio Doors

Outswing Venting Sidelight

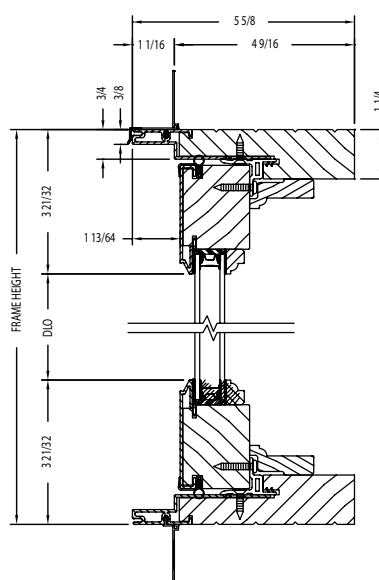


Vertical Section

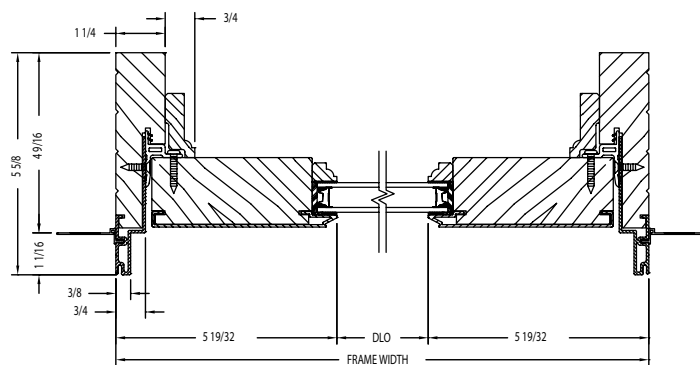


Horizontal Section

Outswing Sash-Set Transom



Vertical Section



Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

OLIVE

ALDER

EXTERIOR

WOOD



Gliding Patio Doors

Three door panel options are available to create an open view to the outside. Choose from our traditional 8" or 12" bottom rail options, or our thinner profile for a more contemporary look.

**Multi-point locking hardware
provides a firm, secure seal**

**Tandem ball bearing rollers
create smooth operation**



Gliding Patio Doors



Frame & Panel

① Select wood components are kiln dried, and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

② Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Sill

③ A durable fiberglass sill is an excellent thermal barrier. Stainless steel roller caps provides smooth operation of the door panel. Available in dark bronze or gray.

Glazing

④ High-Performance Low-E4* glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

⑤ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) or contemporary profiles.

Weatherstrip

The frame consists of foam filled leaf weatherstrip on the exterior creating a weather-resistant pocket for the door panel. A dual weatherstrip seal on the interlock is fitted between the fixed and operating meeting stiles.

Hardware

⑥ Operating panel consists of two tandem ball bearing steel roller assemblies. Stainless steel roller assemblies are available as an option.

The multi-point locking system features a unique reachout design that pulls the door panel tightly closed for a weather-tight seal and enhanced security.

⑦ Gliding patio door hardware is available in eight different designs to match virtually any style. Yuma*, Encino*, Anvers*, Newbury*, Covington™ and Whitmore* hardware options each feature solid, drop-forged brass for added strength, while Albany and Tribeca* hardware options are made of diecast zinc with durable powder-coated finishes. Additional hardware options such as exterior keyed locks and more are also available.

⑥

Hardware



STAINLESS STEEL
ROLLER ASSEMBLY

MULTI-POINT
LOCKING
SYSTEM



*The mahogany name is representative of non-endangered African mahoganies.

Features & Options

7 Handle Sets



YUMA®
Distressed Bronze
Distressed Nickel



ENCINO®
Distressed Bronze
Distressed Nickel



COVINGTON™
Antique Brass
Bright Brass
Oil Rubbed Bronze



WHITMORE®
Antique Brass
Bright Brass
Oil Rubbed Bronze
Satin Nickel



ANVERS®
Bright Brass
Oil Rubbed Bronze
Satin Nickel



NEWBURY®
Antique Brass
Bright Brass
Brushed Chrome
Oil Rubbed Bronze
Polished Chrome
Satin Nickel



ALBANY
Black
Gold Dust
Stone
White



TRIBECA®
Stone
White

8 Grilles



5/8" FDL



7/8" FDL



1 1/8" FDL



1 1/2" FDL



7/8" SDL



7/8" REMOVABLE



5/8" FLAT



1" CONTOURED

FDL = Full Divided Light*

SDL = Simulated Divided Light*

Removable = Removable interior wood grilles

See page 24 for more information on our grille options.

Flat = Finelight™ grilles-between-the-glass

Contoured = Finelight grilles-between-the-glass

*NOTE: Grille options also available in 2 1/4" width and in contemporary profile.

9 Blinds-Between-the-Glass



Door Anchorage

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available. Standard jamb depth is 4 1/16" for gliding patio doors.

Insect Screens

Top-Hung Gliding Insect Screen.

Charcoal fiberglass screen mesh fits into an aluminum frame in 50 exterior colors. Aluminum screen mesh is also available.

Retractable Insect Screens.

The retractable insect screen has charcoal fiberglass screen mesh. Insect screen retracts when not needed, providing an unobstructed view through the glass. Available in 50 exterior colors. See page 26 for more information on our insect screen options.

8 Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars

between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2" or 2 1/4" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass.

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of colony white/pebble tan, colony white/sierra bronze or colony white/forest green are available on the 1" profile.

Removable interior wood grilles.

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

9 Privacy Options

Blinds-Between-the-Glass. A 5/8" aluminum slat blind mounted between two

panes of insulated glass in a dust-free environment. Available in white, tan, almond or gold. Blinds are magnetically controlled and can be tilted or raised and lowered with one cord.*

Auxiliary Foot Lock

An enhanced foot lock is discreetly positioned on the side of the panel. Foot lock provides an extra measure of security when door is in locked position. Available in finish options to complement handle sets.



VeriLock® Sensors

These exclusive sensors are unique as they detect whether the doors are locked or unlocked** — a feature no other sensors can provide. See pages 6–7 for details.

*Not all sizes are retractable. See your local dealer for details.

**When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your dealer for more information.

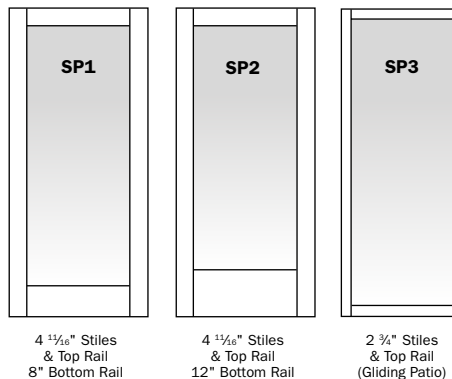
Tribeca and Albany hardware are zinc diecast with powder-coated durable finish. Other hardware is solid forged brass. Mix-and-match interior and exterior style and finish options are available. Bright brass and satin nickel finishes feature a 10-year limited warranty.

Gliding Patio Door Panel Labeling System

We have added a consistent labeling configuration to our door panels for your ordering ease. Scan the designs to see which one fits your needs.

Traditional Panel Options

Door panel options provide clean lines to complement a modern style. These options are an economical way to add interest to your project's design.



Gliding Patio Door Handing

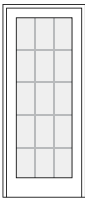
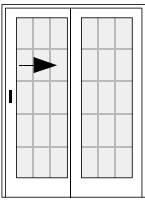
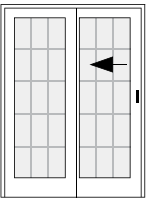
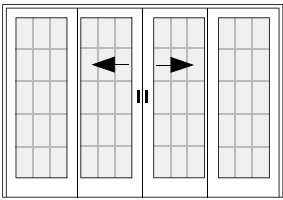
The door handing and order designation noted below is consistent with the handing of other Andersen® gliding patio doors and is used throughout the remainder of the gliding patio doors section.

Identification

As viewed from the exterior, either the left or the right panel operates. The arrow designates the direction of panel operation. Stationary (S) doors can be used as an individual unit or as a sidelight.

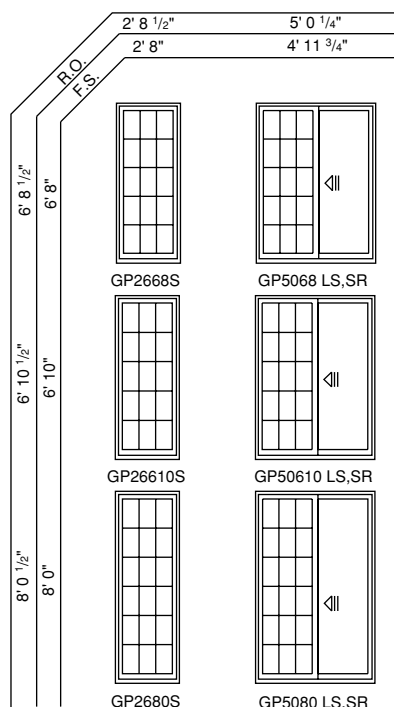
Gliding Patio Doors & French Gliding Patio Doors

Handing Options

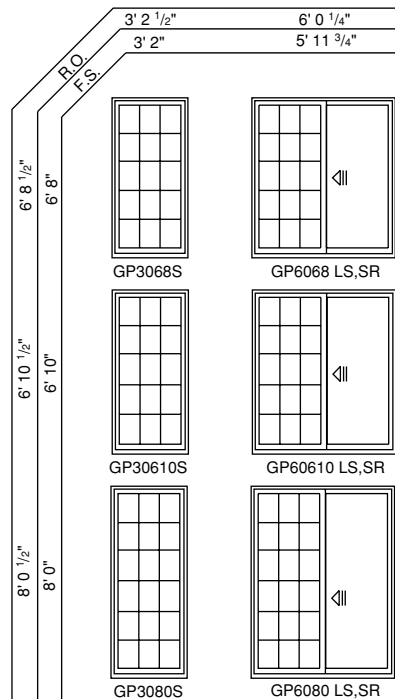
Single Door	2-Panel Door	4-Panel Door
 <p>S Stationary Panel</p>	<div>  <p>LS Left (L) panel is operating, right panel is stationary (S).</p> </div> <div>  <p>SR Left panel is stationary (S), right (R) panel is operating.</p> </div>	 <p>Astragal is attached on third panel from the left (as viewed from the exterior)</p>

Order Designation Description	
	As Viewed From Exterior
Stationary	S
2-Panel Door	SR
	LS
4-Panel Door	—

Gliding Patio Door Sizes



Gliding Patio Door Sizes



NOTES

All doors and sidelights use safety/tempered glass.

Astragal is applied to third panel from the left (as viewed from the exterior) on a 4-panel gliding patio door.

** 4-panel doors are shipped knocked down and require field assembly because of size and weight.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

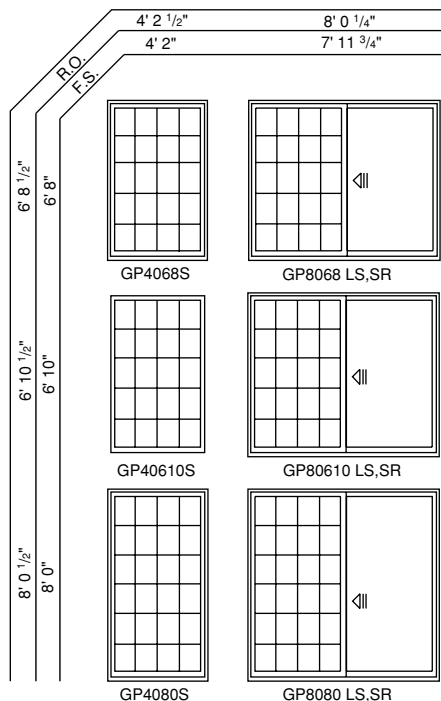
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

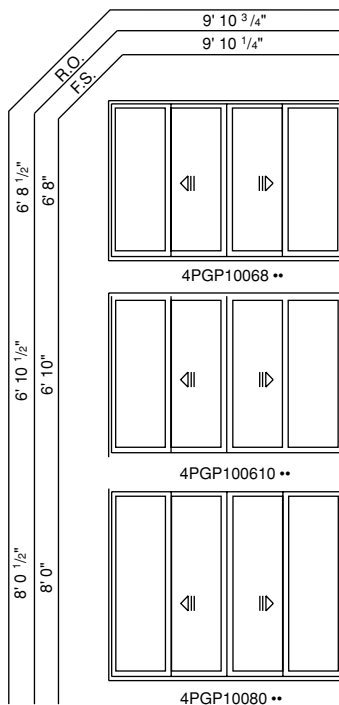
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

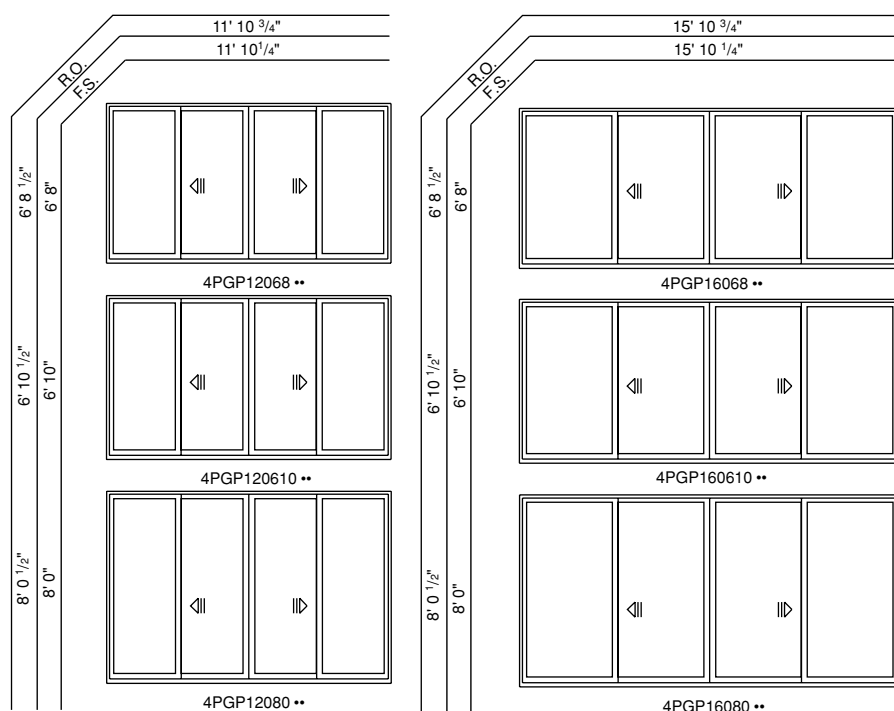
Gliding Patio Door Sizes



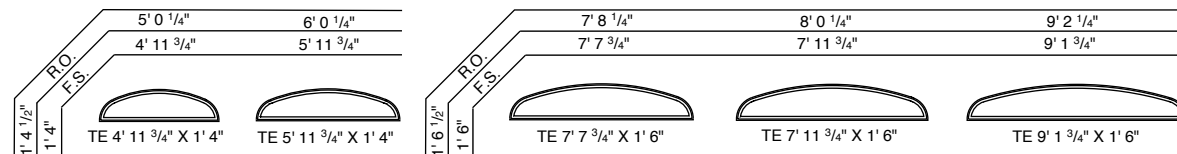
4-Panel Gliding Patio Door Sizes



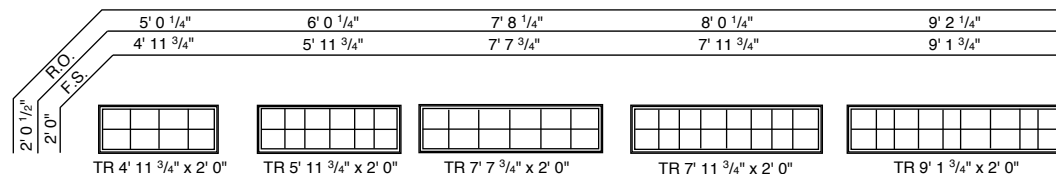
4-Panel Gliding Patio Door Sizes



Gliding Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



Gliding Patio Door Direct-Set Transom Sizes (Specialty Frame)



NOTES

All doors and sidelights use safety/tempered glass.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Astragal is applied to third panel from the left (as viewed from the exterior) on a 4-panel gliding patio door.

** 4-panel doors are shipped knocked down and require field assembly because of size and weight.

See transom notes on page 147.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns for the gliding door. Other light patterns are available upon request.

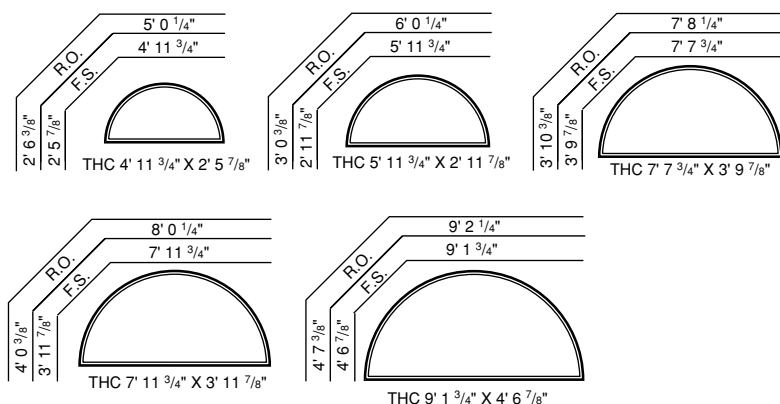
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Gliding Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



NOTES

4' 11-3/4" wide units are used above 5068, 50610 or 5080 Gliding Patio Doors.

5' 11-3/4" wide units are used above 6068, 60610 or 6080 Gliding Patio Doors.

7' 7-3/4" wide units are used above 7668, 76610 or 7680 Gliding Patio Doors.

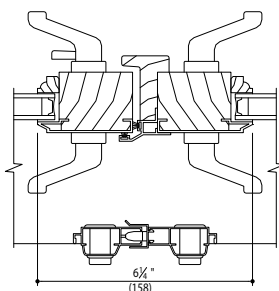
7' 11-3/4" wide units are used above 8068, 80610 or 8080 Gliding Patio Doors.

9' 1-3/4" wide units are used above 9068, 90610 or 9080 Gliding Patio Doors.

See notes on page 146 for more information.

Gliding Patio Doors

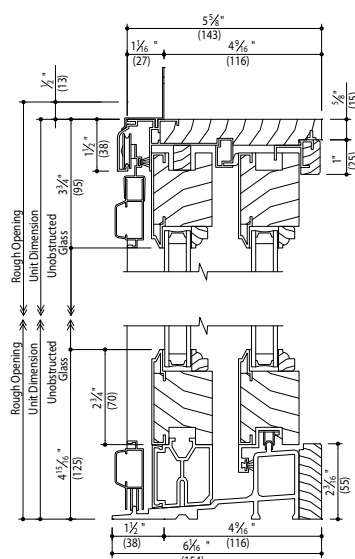
Astragal



SP3 door panel shown with ovolo (colonial) glass stops.

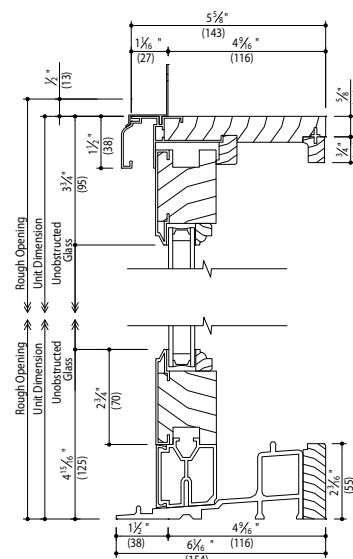
Dimensions in parentheses are in millimeters.

Gliding Patio Door

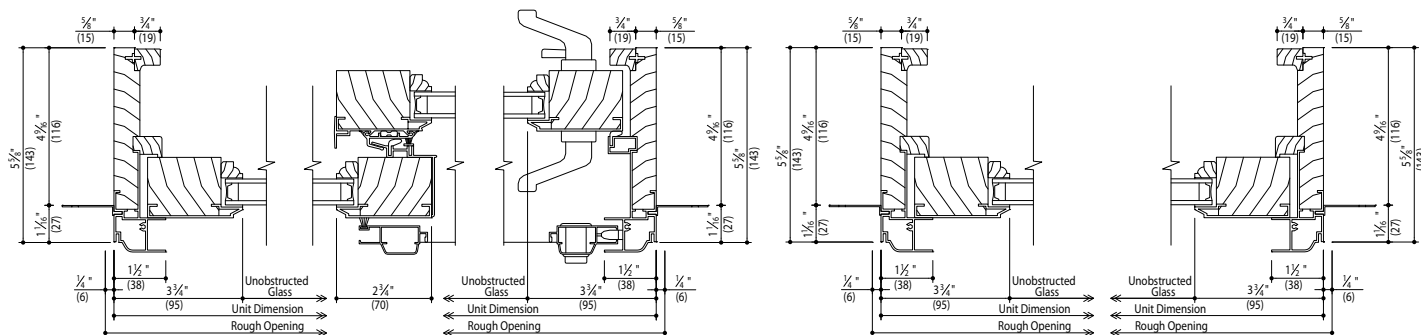


Vertical Section

Gliding Patio Door Sidelight



Vertical Section



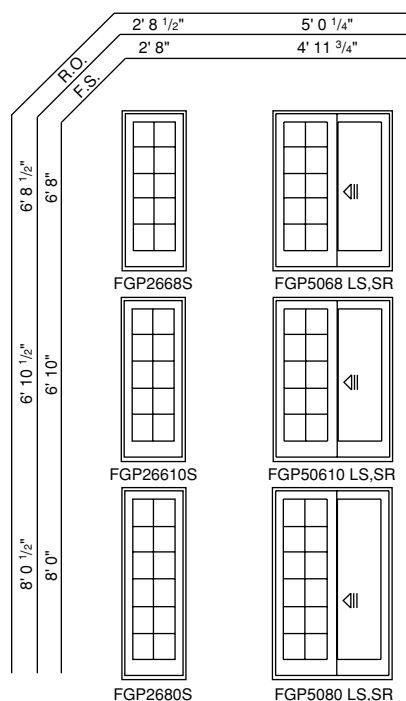
Horizontal Section

Horizontal Section

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

French Gliding Patio Door Sizes



NOTES

All doors and sidelights use safety/tempered glass.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

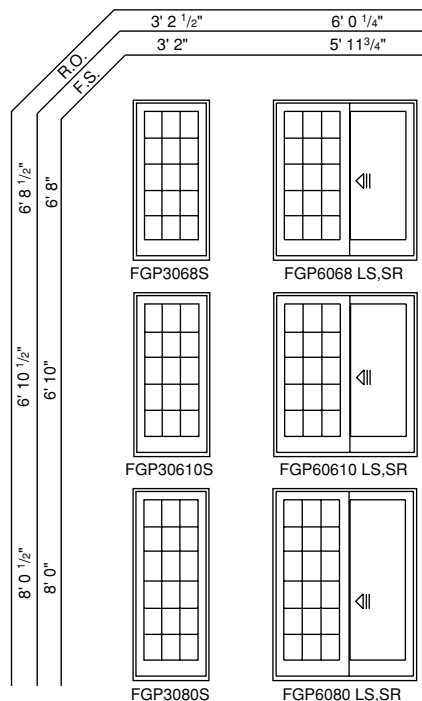
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

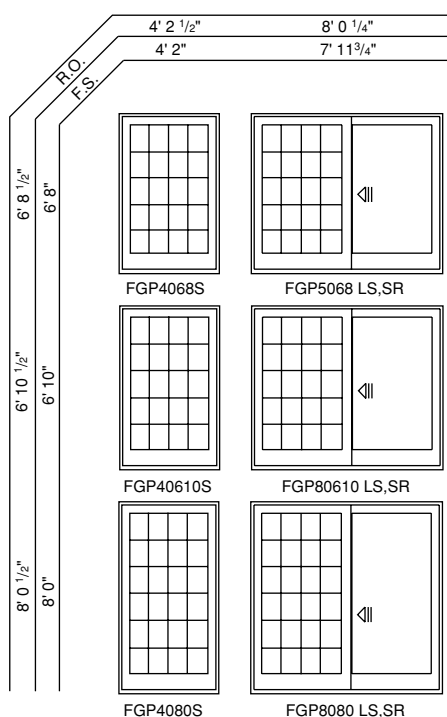
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

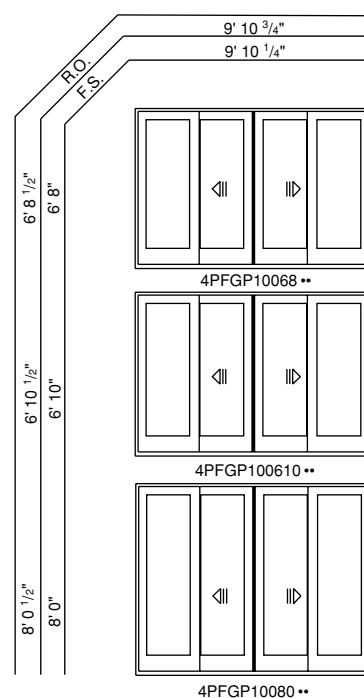
French Gliding Patio Door Sizes



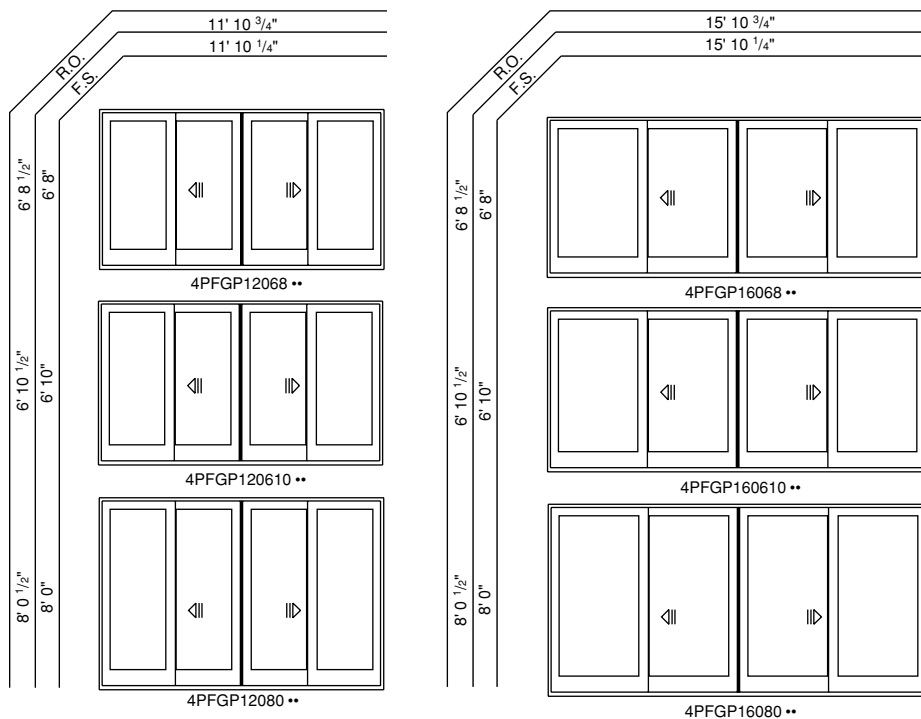
French Gliding Patio Door Sizes



4-Panel French Gliding Patio Door Sizes



4-Panel French Gliding Patio Door Sizes



NOTES

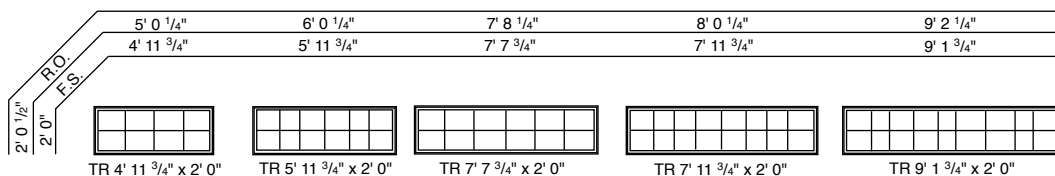
All doors and sidelights use safety/tempered glass.

Astragal is applied to third panel from the left (as viewed from the exterior) on a 4-panel French gliding patio door.

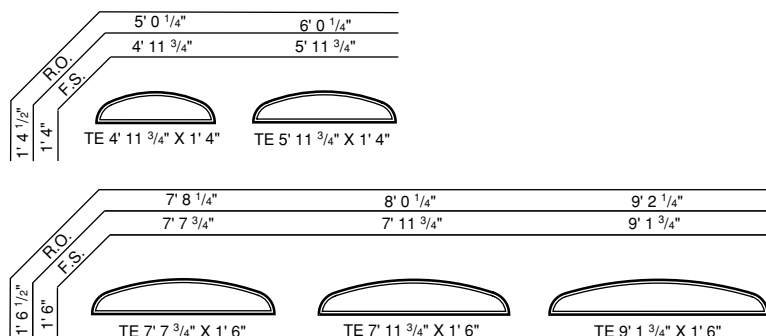
** 4-panel doors are shipped knocked down and require field assembly because of size and weight.

See notes on page 148 for more information.

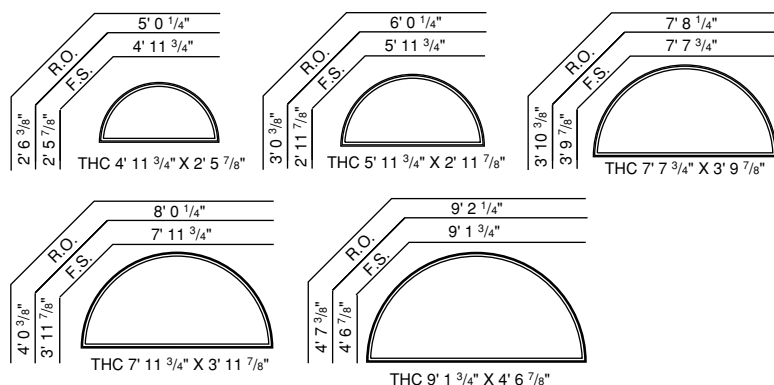
French Gliding Patio Door Direct-Set Transom Sizes (Specialty Frame)



French Gliding Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



French Gliding Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



NOTES

All doors and sidelights use safety/tempered glass.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

4' 11-3/4" wide units are used above 5068, 50610 or 5080 French Gliding Patio Doors.

5' 11-3/4" wide units are used above 6068, 60610 or 6080 French Gliding Patio Doors.

7' 7-3/4" wide units are used above 7668, 76610 or 7680 French Gliding Patio Doors.

7' 11-3/4" wide units are used above 8068, 80610 or 8080 French Gliding Patio Doors.

9' 1-3/4" wide units are used above 9068, 90610 or 9080 French Gliding Patio Doors.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in the gliding door. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

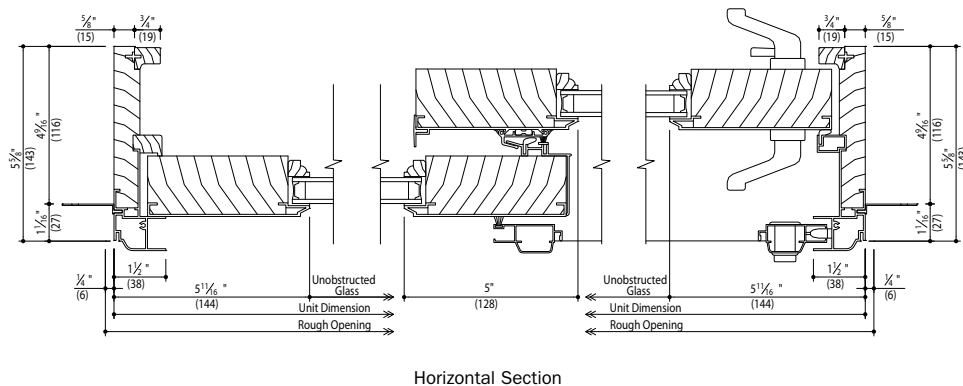
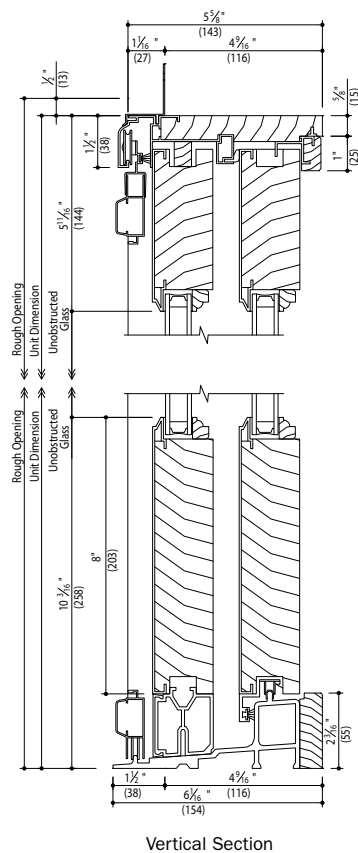
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

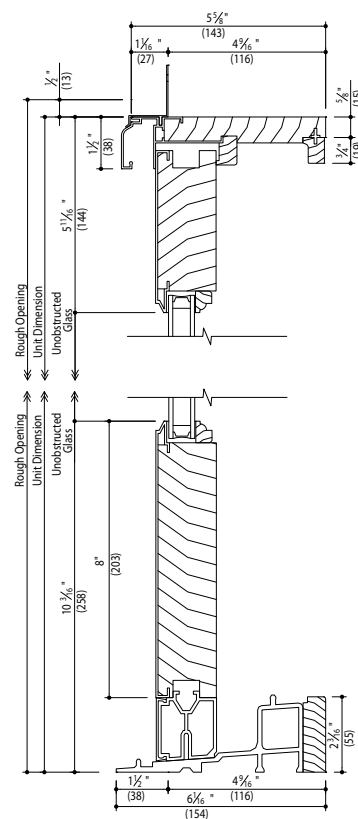
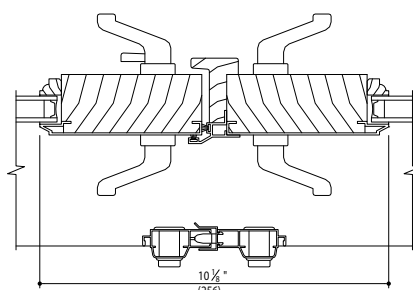
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

French Gliding Patio Doors

French Gliding Patio Door



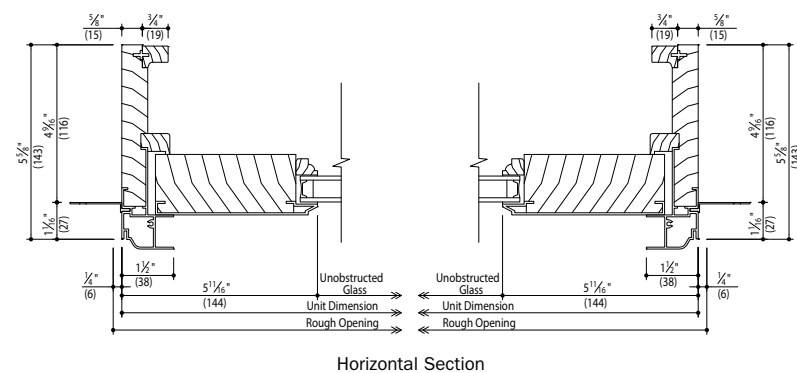
Astragal



SP1 door panel shown with ovolo (colonial) glass stops.

Dimensions in parentheses are in millimeters.

French Gliding Patio Door Sidelight

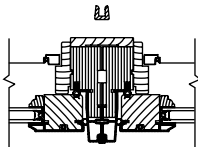
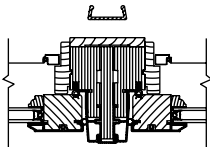
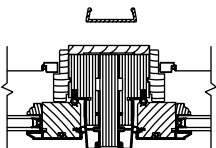
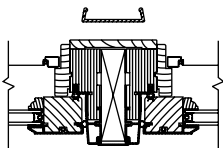
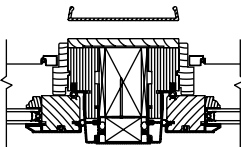
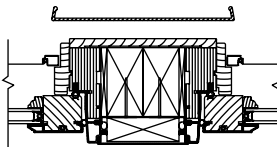
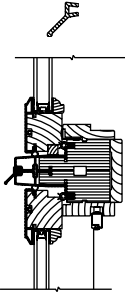
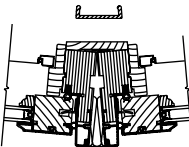
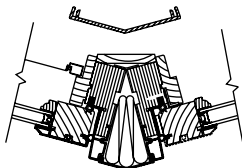
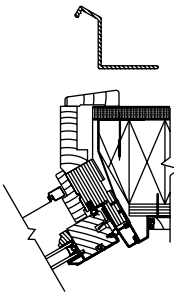
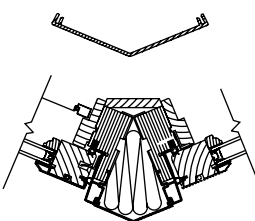
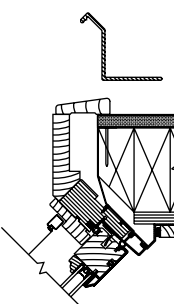

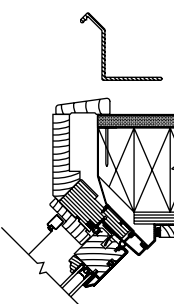


PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM

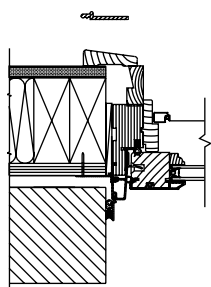
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL DEALER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Installation Materials

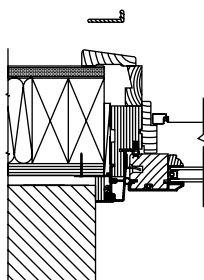
We offer a variety of accessory metals to ensure a coordinated, low-maintenance window or door system. Available in 50 exterior colors at no additional cost, these trims save time on the job site.

Joining Components	Bay and Bow Trim Metals & Applications
 <p>Standard Exterior Mull Cover</p>  <p>1/2" Exterior Mull Cover</p>  <p>3/4" Exterior Mull Cover</p>  <p>1" Exterior Mull Cover</p>  <p>2" Exterior Mull Cover</p>  <p>3-1/2" Exterior Mull Cover</p>  <p>Standard Exterior Mull Cover with Drip</p>	 <p>10° Casement Bow Exterior Mull Cover</p>  <p>30° Casement Angle Bay Exterior Mull Cover</p>  <p>30° Angle Bay Enclosure</p>  <p>45° Casement Angle Bay Exterior Mull Cover</p>  <p>30° Angle Bay Exterior Mull Cover</p>  <p>45° Double-Hung Exterior Mull Cover</p>  <p>45° Angle Bay Enclosure</p>

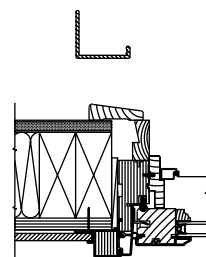
Trim Metals & Applications



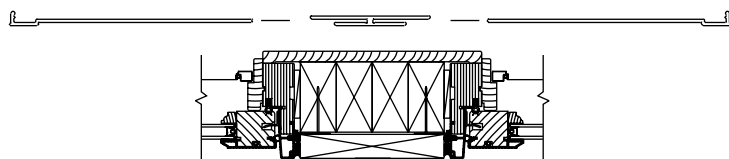
3/4" Frame Extender



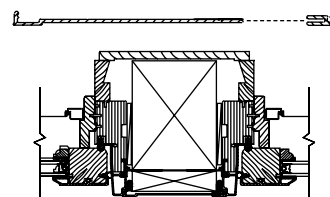
3/4" Frame Expander



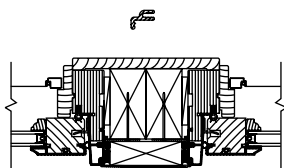
90° Angle Expander



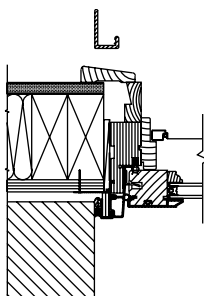
1-1/2" Mull Expander – May be used with adjustable mull covers or frame expanders (vertical joins only)



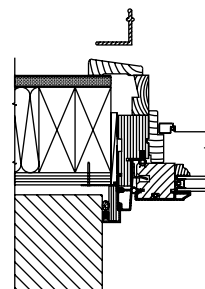
1" - 5" Adjustable Mull Cover and Receiver (vertical join)



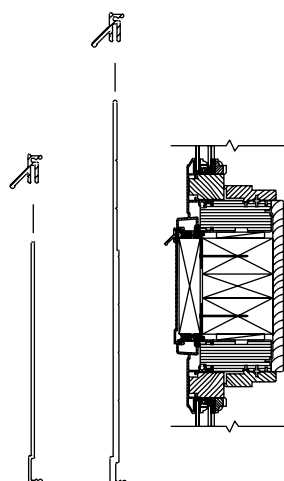
Frame Expander Receiver



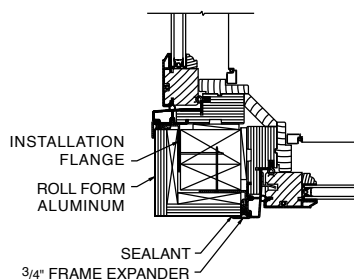
Expander Return



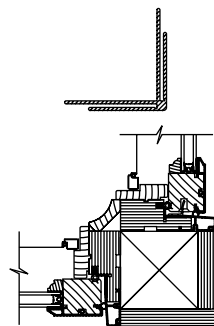
3/4" Frame Enclosure



1" - 5" and 5-1/4" - 8" Adjustable Mull Cover and Receiver with Drip Leg (horizontal join)



Corner Post Section of Box Bay Using Roll Form Metal on Corners



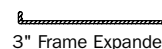
90° Outside Corner



2-1/4" Frame Expander



5" Frame Expander

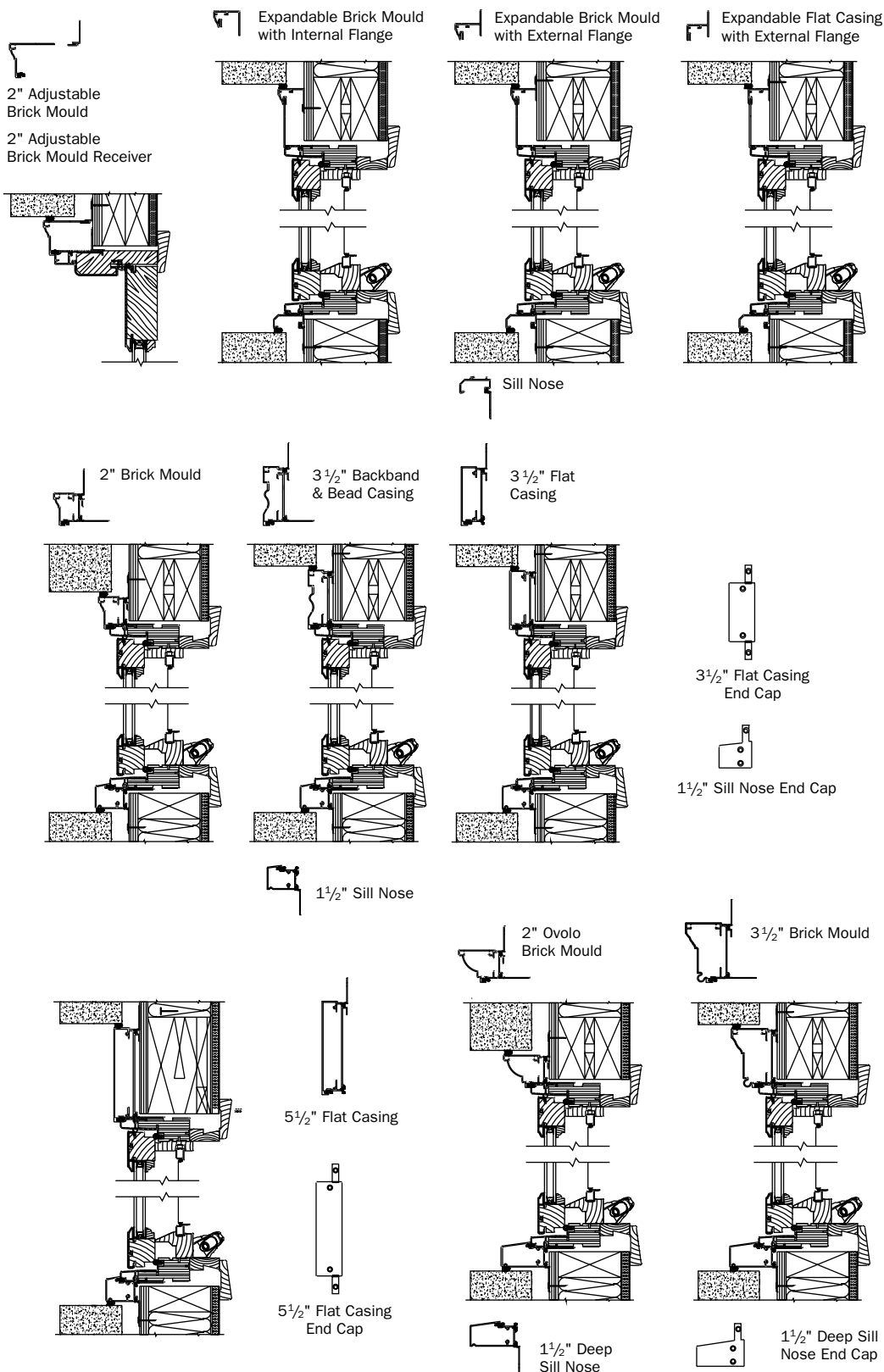


3" Frame Expander

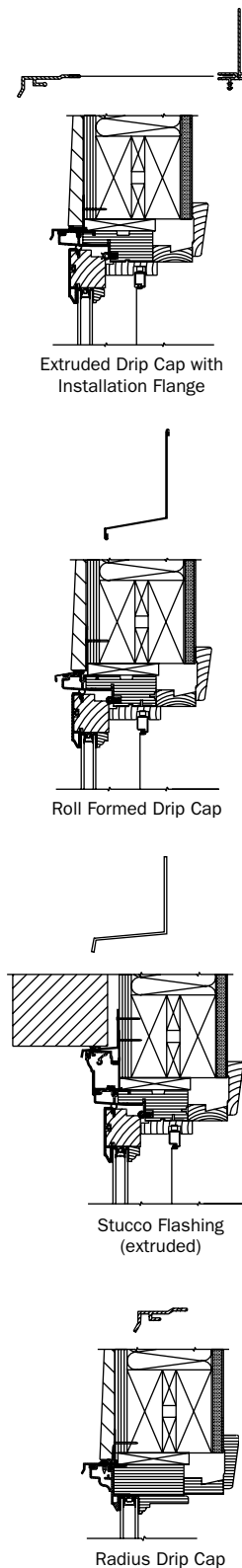


7" Frame Expander

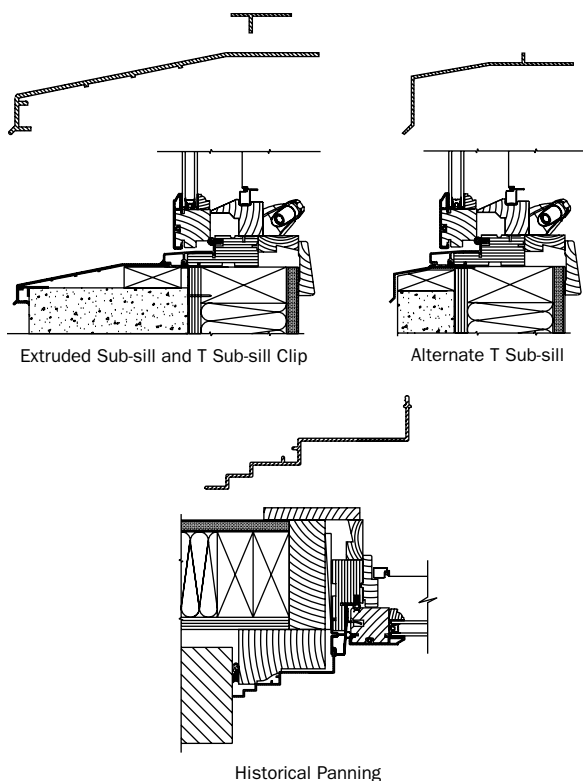
Applications



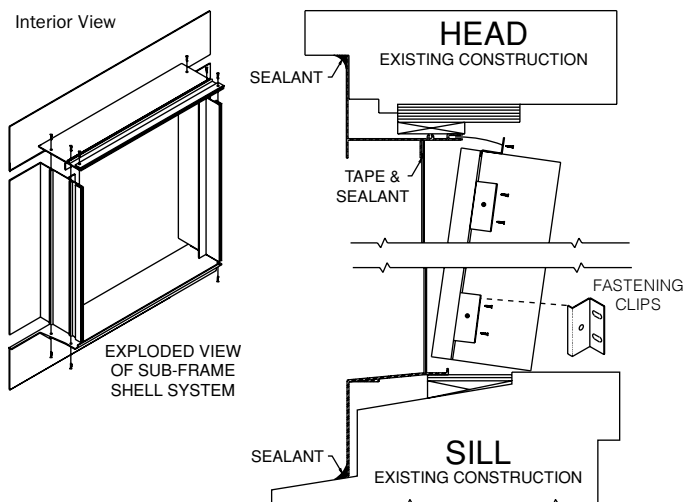
Drip Caps & Applications



Miscellaneous Trim Metals & Applications



Sub-Frame Shell System

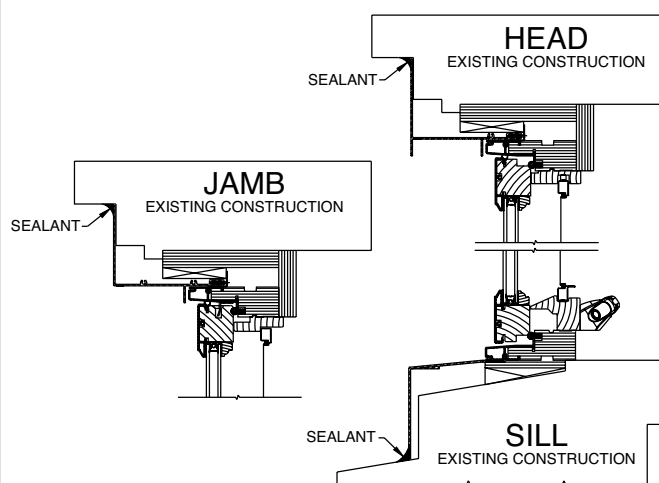


The E-Series Sub-Frame Shell System is a simple and effective way to meet remodeling needs for residential and commercial projects. Preserving existing buildings and neighborhoods has become increasingly important to our society. And a good, sound, older structure can be as efficient as, if not more efficient than, a new building.

Many E-Series products will work in the Sub-Frame Shell System for remodeling, which means you have unlimited design choices to fit the existing architecture. The Sub-Frame Shell System is a heavy aluminum perimeter-flange sub-frame that covers most existing construction conditions. It can be installed from the inside without costly scaffolding or off-staging.

Masonry Opening Formulas

Masonry Opening Formulas			
Formulas allow 1/4" for backer rod and sealant around entire perimeter			
2" Brick Mould 2" Ovolo Brick Mould	WIDTH		Frame + 3 3/4"
	HEIGHT	w/ Sill Nose	Frame + 3 1/4"
		4-Sides	Frame + 3 3/4"
3 1/2" Flat Casing 3 1/2" Brick Mould 3 1/2" Backband & Bead Casing	WIDTH		Frame + 6 3/4"
	HEIGHT	w/ Sill Nose	Frame + 4 3/4"
		4-Sides	Frame + 6 3/4"
5 1/2" Flat Casing	WIDTH		Frame + 10 3/4"
	HEIGHT	w/ Sill Nose	Frame + 6 3/4"
		4-Sides	Frame + 10 3/4"
		3-Sides	Frame + 5 5/8"



WINDOWS • DOORS

Andersen® 

Limited Warranty



E-SERIES

owner2owner®
LIMITED WARRANTY

Units Manufactured After February 8, 2015

Para ver la versión, en español, de esta Garantía limitada y Proceso de resolución de controversias, visite andersenwindows.com

LIMITED WARRANTY AND DISPUTE RESOLUTION PROCESS

IMPORTANT: Please carefully read the Dispute Resolution Process that appears in this document after the Limited Warranty. The Dispute Resolution Process includes class action and jury trial waivers that affect your legal rights. To opt out of these waivers, you must visit our website at www.andersenwindows.com/optout and complete the opt-out form within one year from the date of purchase of your Andersen® products from a dealer or retailer. The opt-out only applies to the terms of the Dispute Resolution Process.

E-Series Window and Door Limited Warranty

Limited Warranty on Glass

The glass in Andersen® E-Series factory glazed window and door units (including dual-pane glass, High-Performance Low-E4® glass, High-Performance Low-E4® Sun glass, High-Performance Low-E4® SmartSun™ glass, High-Performance Low-E4® PassiveSun™ glass, Heatlock™ glass, tinted glass, patterned glass (including textured, frosted, grooved, beveled and color options), grilles between the glass and tempered versions of these glass options) is warranted to be free from defects in manufacturing, materials and workmanship for twenty (20) years from the date of purchase from the retailer/dealer. It is also warranted not to develop, under normal conditions, any material obstruction of vision resulting from manufacturing defects or as a result of premature failure of the glass or organic seal for twenty (20) years from the date of purchase from the retailer/dealer. This limited warranty on glass does not apply to special order glazings, decorative glass, impact-resistant glass or glass that is not factory installed by Andersen.

Decorative glass is warranted against seal failure for a period of ten (10) years from the date of purchase from the retailer/dealer.

In the event a glass failure occurs as a result of a defect in manufacturing, materials or workmanship within the limited warranty period, Andersen, at its option, will: (1) provide the appropriate replacement glass product to the Andersen retailer/dealer that you specify — labor is not included; or (2) provide a factory-authorized repair to the existing glass at no cost to you; or (3) refund the original purchase price. Such replacement or repair is warranted for the remainder of the original limited warranty period.

Laminated glass (Protector Series and HarborMaster® systems) in Andersen E-Series window and door products is warranted against stress cracking, thermal shock cracking and delamination for ten (10) years from the date of purchase from the retailer/dealer. In the event a failure due to stress cracking, thermal shock cracking or delamination of the laminated glass occurs within the limited warranty period, Andersen, at its option, will: (1) provide the appropriate replacement glass product to the Andersen retailer/dealer that you specify — labor is not included; or (2) provide a factory-authorized repair to the existing glass at no cost to you; or (3) refund the original purchase price. Such replacement or repair is warranted for the remainder of the original limited warranty period.

Exclusions: These limited warranties do not cover cracked or broken glass or other damage to the glass resulting from accident, abusive handling, or misuse; nor do they cover glass panes broken from the exterior. The application of films, coatings, or other substances or products to the glass and any modification of the product due to the installation of a security system voids the limited warranty.

Limited Warranty on Wood and Wood Composite Components

The interior wood and exterior wood composite components in Andersen E-Series products are warranted to be free from defects in manufacturing, materials or workmanship for ten (10) years from the date of purchase from the retailer/dealer. Exterior wood components are warranted to be free from defects in manufacturing, materials or workmanship for five (5) years from the date of purchase from the retailer/dealer. To be covered under this

limited warranty, it is the customer's responsibility to: (1) ensure that all wood surfaces (interior, exterior, top, bottom and any exposed sides) are immediately and thoroughly painted, varnished or sealed in conformity with generally accepted field finishing standards; (2) ensure that the finishes are maintained; and (3) properly care for and protect all wood components against moisture, excessive dryness and other abnormal exposures.

In the event a wood or wood composite component fails as a result of a defect in manufacturing, materials or workmanship within the limited warranty period, Andersen, at its option, will: (1) provide the appropriate replacement parts to the applicable Andersen retailer/dealer that you specify — labor is not included; or (2) provide a factory-authorized repair to the existing component at no cost to you; or (3) refund the original purchase price. Such replacement parts or repairs are warranted for the remainder of the original limited warranty period.

Limited Warranty on Hardware, Weatherstripping, Blinds and Insect Screens

The hardware (including the finish on Limited Lifetime Brass), weatherstripping, blinds and insect screens on Andersen E-Series products are warranted to be free from defects in manufacturing, materials and workmanship for ten (10) years from the date of purchase from the retailer/dealer.

Retractable door insect screens for Andersen E-Series products are warranted to be free from defects in manufacturing, materials and workmanship for one (1) year from the date of purchase from the retailer/dealer.

In the event a failure occurs as a result of a defect in manufacturing, materials or workmanship within the applicable limited warranty period, Andersen, at its option, will: (1) provide the appropriate replacement parts to the Andersen retailer/dealer that you specify — labor is not included; or (2) provide a factory-authorized repair to the existing component at no cost to you; or (3) refund the original purchase price. Such replacement parts or repairs are warranted for the remainder of the original limited warranty period.

Exclusions: weathering of hardware finishes (with the exception of Limited Lifetime Brass) is not considered a defect and is not covered under this limited warranty.

Limited Warranty on Exterior Painted Aluminum Surfaces

The exterior painted aluminum surface (silicone polyester enamel conforming to AAMA 2604-05 ("2604 Coating System")) on components including frame, sash, panel, window sills and grilles on Andersen E-Series casement, awning, double-hung, picture, geometric shaped windows and transom windows, patio doors (inswing, outswing, gliding) and sidelights in its standard colors is warranted not to crack, check, peel, flake, blister or lose adhesion for a period of twenty (20) years from the date of purchase from the retailer/dealer when exposed to normal atmospheric conditions. The paint film is warranted to be free from manufacturing defects resulting in color fade greater than 5 delta E* in accordance with ASTM D-2244-02e1 and chalking in excess of a number eight (8) rating based on ASTM D 4214-98 for a period of ten (10) years from the date of purchase from the retailer/dealer when exposed to normal atmospheric conditions. See below for Coastal Seashore warranty coverage details.

The exterior painted aluminum surface (silicone polyester enamel with Kynar® fluorocarbon coating system conforming to AAMA 2605-05 ("2605 Coating System")) on components including frame, sash, panel, window sills and grilles on Andersen E-Series casement, awning, double-hung, picture, geometric shaped windows and transom windows, patio doors (inswing, outswing, gliding) and sidelights in standard colors is warranted not to crack, check, peel, flake, blister or lose adhesion for a period of twenty (20) years from the date of purchase from the retailer/dealer when exposed to normal atmospheric conditions. The paint film is warranted to be free from manufacturing defects resulting in color fade greater than 5 delta E in accordance with ASTM D-2244-02e1 and chalking in excess of a number eight (8) rating based on ASTM D 4214-98 for twenty (20) years from the date of purchase from the retailer/dealer when exposed to normal atmospheric conditions. See below for Coastal Seashore warranty coverage details.

In the event a failure occurs within the limited warranty period, Andersen, at its option, will: (1) refinish the product (the finish will be performed with standard commercial refinishing techniques and will not necessarily be the same finish as originally applied to the product); or (2) repair the product or provide replacement part(s) or product(s) — labor is not included; or (3) refund the original purchase price. Such replacement parts or repairs are warranted for the remainder of the original limited warranty period.

Exclusions: Accessories and hardware, including insect screen frames, patio door sills, hinges, handle trim sets and lock components, exterior trim profiles, exterior aluminum coil stock, anodized finishes and patio door insert panels. Products subjected to the detrimental effects of air pollutants, chemical or caustic washes, or the accumulation of concentrated salt deposits are not covered by the terms of this limited warranty. Any scratches, chips or surface damage that would expose the aluminum cladding surface must be repaired immediately, and such repair is required to maintain limited warranty coverage.

Paint performance may vary based on orientation, altitude, installation in heavy salt spray environments, and other atmospheric conditions. Regular maintenance of the product is required to maintain the appearance of the finish on clad units, including hardware, and is required to maintain limited warranty coverage.

* Technical measurement of fade

Limited Warranty on Exterior Painted Aluminum Surfaces — 2604 & 2605 Coating Systems for Coastal Seashore

The paint film (silicone polyester enamel conforming to AAMA 2604-05 and Kynar® fluorocarbon coating system conforming to AAMA 2605-05) on Andersen E-Series aluminum cladding in standard colors is warranted not to crack, check, peel, flake, blister or lose adhesion from the date of manufacture for product exposed to high salt concentrations as follows:

— Products installed between two (2) miles and 1,001 feet from the coastal seashore are warranted for ten (10) years from the date of purchase from the retailer/dealer. In the event a failure covered under this limited warranty occurs, Andersen, at its option, will: (1) refinish the product (the finish will be performed with standard commercial refinishing techniques and will not necessarily be the same finish as originally applied to the product); or (2) repair the product or provide replacement part(s) or product(s) — labor is not included; or (3) refund the original purchase price. Such replacement parts or repairs are warranted for the remainder of the original limited warranty period.

— Products installed between 1,000 feet and the seashore are warranted for ten (10) years from the date of purchase from the retailer/dealer, prorated after five (5) years. In the event a failure covered under this limited warranty occurs in years one (1) through five (5), Andersen, at its option, will: (1) refinish the product (the finish will be performed with standard commercial refinishing techniques and will not necessarily be the same finish as originally applied to the product); or (2) repair the product or provide replacement part(s) or product(s) — labor is not included; or (3) refund the original purchase price. Such replacement parts or repairs are warranted for the remainder of the original limited warranty period. In the event a failure occurs in years six (6) to ten (10), Andersen, at its option, will: (1) refinish the product (the finish will be performed with standard commercial refinishing techniques and will not necessarily be the same finish as originally applied to the product) at 50% discount of Andersen's cost; or (2) repair the product at 50% discount of Andersen's labor costs or provide replacement part(s) or product(s) at 50% discount of Andersen's cost — labor is not included; or (3) refund the original purchase price at 50% of the original purchase price. Such replacement parts or repairs are warranted for the remainder of the limited warranty period.

The paint film is warranted against chalking in excess of a number eight (8) rating based on ASTM D 4214-98 and against color change of more than 5 delta E* units in accordance with ASTM D-2244-02e1 for ten (10) years from the date of purchase from the retailer/dealer. In the event a failure covered under this limited warranty occurs, Andersen, at its option, will: (1) refinish the product (the finish will be performed with standard commercial refinishing techniques and will not necessarily be the same finish as originally applied to the product); or (2) repair the product or provide replacement part(s) or product(s) — labor is not included; or (3) refund the original purchase price. Such replacement parts or repairs are warranted for the remainder of the limited warranty period.

Exclusions: Products subjected to the detrimental effects of air pollutants, chemical or caustic washes, or the accumulation of concentrated salt deposits are not covered by the terms of this limited warranty. Any scratches, chips or surface damage that would expose the aluminum cladding surface must be repaired immediately and such repair is required to maintain limited warranty coverage.

For limited warranty coverage coastal seashore (areas of high salt concentration), such as those within two (2) miles of the coastal environments, homeowners must implement a systematic fresh water-cleaning program which consists of cleaning with mild soap and water at least every three (3) months or more often when necessary to prevent the accumulation of concentrated salt deposits. Periodic waxing with an automotive-type wax may prolong the finish life. Failure to take these measures will void this limited warranty.

The atmospheric and environmental conditions within two (2) miles of the coastal seashore can be extremely corrosive. Even with a systematic cleaning program, products installed in these conditions will typically deteriorate more than product installed in normal atmospheric/environmental conditions. Some corrosion and/or deterioration are considered "normal wear and tear" and normal weathering in this atmospheric/environmental condition and are not covered under this limited warranty.

* Technical measurement of fade

Limited Warranty on Exterior Anodized Aluminum Surfaces

The anodized finish on Andersen E-Series aluminum cladding in its standard 50 colors is warranted not to crack, craze, flake or blister for five (5) years from the date of purchase from the retailer/dealer when exposed to normal atmospheric conditions. The anodized finish is also warranted against chalking in excess of a number eight (8) rating as determined by the procedure outlined in ASTM D-4214-98 specification tests and against color change of more than 5 delta-E* units as determined by ASTM method D-2244-02e1 for five (5) years from the date of manufacture.

In the event a failure occurs within the limited warranty period, Andersen, at its option, will: (1) refinish the product (the finish will be performed with standard commercial refinishing techniques and will not necessarily be the same finish as originally applied to the product); or (2) repair the product or provide replacement part(s) or product(s) — labor is not included; or (3) refund the original purchase price. Such replacement parts or repairs are warranted for the remainder of the original limited warranty period.

* Technical measurement of fade

No Other Warranties or Representations

THIS LIMITED WARRANTY IS LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ALL WARRANTIES ARE LIMITED TO THE APPLICABLE STATUTE OF LIMITATIONS BUT IN NO CASE WILL EXTEND BEYOND THE LIMITED WARRANTY PERIODS SPECIFIED ABOVE. ANDERSEN EXCLUDES AND WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF CONTRACT, TORT OR OTHERWISE. THE REMEDY OF REPAIR, REPLACEMENT OR REFUND OF THE ACTUAL PURCHASE PRICE OF THE PRODUCT PROVIDED BY THIS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY WITH RESPECT TO ANY AND ALL LOSS OR DAMAGE.

Applicable Law

This Limited Warranty is only applicable in the U.S.A. (i.e. the fifty states and the District of Columbia). This Limited Warranty gives you specific legal rights, and you may also have other rights, which may vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation of the duration of an implied warranty, so the above limitations or exclusions may not apply to you. If any specific term of this Limited Warranty is prohibited by any applicable law, it shall be null and void, but the remainder of this Limited Warranty shall remain in full force and effect.

What Is NOT Covered by This Limited Warranty

In addition to any other limitations or exclusions in this Limited Warranty, Andersen shall have no obligation for product failure, damage or costs due to or related to the following:

- Product modifications or application of glass shading devices, glass tinting, or insulated coverings, installation of security systems or improper painting or staining.
- Units improperly assembled or improperly milled by others.
- Failure due to the application of non Andersen E-Series hardware (e.g. locksets, trim sets, hinges, panic hardware, closers, or other non Andersen E-Series components or accessories, etc.).
- Failure to properly install Andersen E-Series hardware and/or exterior trim.
- Adjustments or corrections due to improper installation.
- Improper installation or use, including use of a non-commercial door as a main entrance or exit door for a building other than a single-family residential unit or re-installing an Andersen E-Series window or door after it has been removed from a building and re-sold and/or re-installed in a different building.
- Installing a storm door over or with a patio door.
- Exposure to conditions beyond published performance specifications.
- Water infiltration other than as a result of a defect in manufacturing, materials or workmanship.
- Condensation.
- Improper maintenance, such as use of brick wash, razor blades, sealants, sanding or improper washing.
- Glazing of the product by any party other than Andersen.
- Failure to properly seal and maintain the exposed wood portions of a product. This includes, but is not limited to, the exposed wood on all sides of a door panel (e.g., exterior, interior, top, bottom and both sides), door frame and wood grilles.
- Chemicals or airborne pollutants, such as salt or acid rain.
- Delivery by others.
- Accidents.
- Acts of God.
- Normal wear and tear.
- Deterioration, movement or casualty in the frame, jamb, wall or building within which the product has been installed.

Additional items excluded from this limited warranty:

- Labor to replace sash or door panels, glass or other components.
- Labor and other costs related to the removal and disposal of defective product.
- Labor and materials to paint or stain any repaired or replaced product, component, trim or other carpentry work that may be required.
- Products not manufactured by Andersen Corporation.
- The performance of the low-maintenance exterior glass coating on products with High-Performance Low-E4® glass. Performance will vary depending on environmental conditions.
- Slight glass curvature, minor scratches or other imperfections in the glass that do not impair structural integrity or significantly obscure normal vision.
- Minor warping of wood or clad-wood windows and doors. Andersen may defer actions on any claim for warping for a period of twelve (12) months from the date of the claim in order to permit conditioning and equalization to humidity and temperature conditions.
- Texture, grain and color variations of wood or wood composite components.

- Fading or color changes less than or equal to 5 delta E units in accordance with ASTM D-2244-02e1, even if the fading or color change is not uniform.
- Adhesion of paint or stain to wood composite components.
- Rattling of grille bars within an air space.
- Insects passing through the insect screen.
- Tarnish or corrosion to hardware finishes.
- Special glazings. Contact us concerning the limited warranty on special glazings.
- Service trips to provide instruction on product use.
- Products and product components sold by Andersen distributors or dealers, which were not manufactured by Andersen Corporation.
- Special products which are manufactured to meet the specific design, specification or use requirements of a consumer or construction project.
- Electric window operators. Contact us or refer to the specific limited warranty for this product.
- Andersen® A-Series windows and doors, 400 and 200 Series windows and doors, 400 Series windows with Stormwatch® protection and impact-resistant glass, 100 Series windows and doors, storm doors, Renewal by Andersen® windows, Silver Line® windows and doors, American Craftsman® windows and doors and Weiland® windows and doors have their own limited warranties and are not covered by this Limited Warranty.
- Service trips to provide instruction on product use.

Transfer of Warranty

This Limited Warranty and all claims and rights hereunder shall transfer to any new property owner upon the sale or other legal transfer of ownership of the property within which the warranted product has been installed during the limited warranty period.

Warranty Claim Procedure

To make a claim under this Limited Warranty, contact the Andersen retailer/dealer who sold you your Andersen® product. Or, you may contact us at:

Andersen Windows, Inc./Andersen Service Center
100 Fourth Avenue North
Bayport, MN 55003-1096

You may also contact us using the Parts & Service section of our website at www.andersenwindows.com or reach us by phone at 1-888-888-7020.

You can help us serve you faster by providing the following important information:

- Description of the product such as the exterior color, unit type and size and inside visible glass measurements.
- Glass logo information etched in the inside corner of the glass.
- Description of product concerns.
- Documentation of the purchase date, if available.
- Your name, address (with zip code) where the product is installed and telephone numbers.

Non-Warranty Repair

You will be responsible for all costs related to any repair that is not covered by this Limited Warranty or which is outside of the applicable limited warranty period. When warranty coverage is unclear, Andersen may charge an inspection fee for any on-site product inspection. If the inspector determines the Andersen® product has a defect covered by this Limited Warranty, the inspection fee will be waived.

For specific warranty information outside the United States, please contact your local distributor or write to:

Andersen Windows, Inc./International Division
100 Fourth Avenue North
Bayport, MN 55003-1096 USA

DISPUTE RESOLUTION PROCESS

General

If you are dissatisfied with the remedy provided to you under the Limited Warranty set forth above or have any other claim against Andersen related to your Andersen® products, you and Andersen agree to resolve the claim using the following process ("Dispute Resolution Process"). This Dispute Resolution Process will apply to claims of any nature relating to your Andersen product ("Dispute(s)"). Disputes include, but are not limited to, claims for breach of contract or breach of warranty, claims for violation of state or federal laws or regulations, claims based in tort, negligence or product liability, claims based in fraud or fraud in the inducement, marketing or advertising claims and claims related to the enforceability or effect of any term of the Limited Warranty or the Dispute Resolution Process, including, but not limited to, the waivers of class action and jury trials.

Notice Required

To assert a Dispute, you must first provide Andersen with written notice. A Notice of Dispute form is available for your use in the Customer Care section of Andersen's website at www.andersenwindows.com/noticeofdispute

Andersen Response

Andersen will have 60 days from receipt of your Notice of Dispute to respond to you in writing. In that response or at any later time, Andersen may make one or more written offers to you to resolve your Dispute.

No Class Action or Jury Trials

YOU AGREE THAT YOU MAY ASSERT DISPUTES AGAINST ANDERSEN ONLY ON AN INDIVIDUAL BASIS AND NOT AS A PLAINTIFF OR CLASS MEMBER IN ANY CLASS OR REPRESENTATIVE ACTION OR PROCEEDING. AS PART OF THIS DISPUTE RESOLUTION PROCESS, YOU AND ANDERSEN ALSO AGREE TO WAIVE ANY RIGHT TO A JURY AND AGREE TO HAVE ALL DISPUTES HEARD AND DECIDED SOLELY BY THE FEDERAL OR STATE COURT JUDGE.

Opt-Out Procedure

You may opt out of this Dispute Resolution Process by completing and submitting a written Opt-Out Notice. The Opt-Out Notice is located on Andersen's website at www.andersenwindows.com/optout. Whether or not you opt out of the Dispute Resolution Process, all terms of the Limited Warranty set forth above remain in force and effect.

Applicable Law and Severability

This Dispute Resolution Process, including, but not limited to, issues related to its enforceability and effect, will be governed by the laws of the State of Minnesota without regard to conflict of law principles. If any term of this Dispute Resolution Process is found to be invalid or unenforceable in any particular jurisdiction, that term will not apply to that issue in that jurisdiction. Instead, that term will be severed with the remaining terms continuing in full force and effect.

Questions

If you have questions about the Dispute Resolution Process, please call 844-332-7972.

Product Performance

Listed below and on the following pages is general product performance for many of our non-impact-resistant and impact-resistant products. For up-to-date product performance details, contact your local dealer.

Non-Impact-Resistant Product Performance Data

Clad Windows & Doors

Product Description	A440-11 Ratings
Arch Casement Windows - Venting	
3060 clad arch casement vent - 3-point sequential lock	CW-PG70(36x72)-C
3056 clad arch casement vent - 2-point sequential lock	CW-PG60(36x66)-C
3028 clad arch casement vent - 1-point lock	CW-PG55(36x32*)-C
Casement Windows - Venting	
3060 clad casement vent - 3-point sequential lock, piano hinge	CW-PG70(36x72)-C
2660 clad casement vent - 3-point sequential lock	CW-PG55(30x72*)-C
3056 clad casement vent - 2-point sequential lock	CW-PG60(36x66)-C
3056 clad casement vent - 2-point sequential lock, piano hinge, thick sash	CW-PG60(36x66)-C
3028 clad casement vent - 1-point lock	CW-PG55(36x32)-C
Arch Casement Windows - Fixed	
6060 clad arch casement sash-set (2-piece) fixed	LC-PG50(72x72)-FW
Casement Windows - Fixed	
6060 clad casement sash-set (2-piece) fixed	CW-PG50(72x72)-FW
46100 clad casement direct-set (1-piece) fixed	CW-PG80(54x120*)-FW
French Casement Windows	
5050 clad French casement	LC-PG40(60x60)-C
Push Out Casement Windows	
3060 clad push out casement vent - 2 surface mount locks	LC-PG50(36x72)-C
3034 clad push out casement vent - 1 surface mount lock	LC-PG50(36x40)-C
Awning Windows	
4056 clad awning vent - 3 locks	LC-PG65(48x66)-AP
4050 clad awning vent - 2 locks	LC-PG50(48x60)-AP
4030 clad awning vent - 1 lock	LC-PG50(48x36)-AP
Push Out Awning Windows	
4040 clad push out awning vent - 2 surface mount locks	LC-PG40(48x48)-AP
3440 clad push out awning vent - 1 surface mount lock	LC-PG40(40x48)-AP
Specialty Windows	
5080 clad specialty (auxiliary) fixed	CW-PG75(60x96)-FW
46120 clad specialty (auxiliary) fixed	CW-PG55(54x144*)-FW
Double-Hung Windows - Venting	
3866 clad double-hung vent	LC-PG50(44x78)-H
4060 clad double-hung vent	LC-PG50(48x72)-H
3470 clad double-hung vent	LC-PG50(48x72)-H
4686 clad double-hung vent	LC-PG30(54x102)-H
3866 clad double-hung insert vent	LC-PG30(44x78)-H
5090 clad single-hung monumental vent	LC-PG30(60x108)-H
40100 clad single-hung monumental vent	LC-PG35(48x120)-H
Double-Hung Windows - Fixed	
4040 clad double-hung transom	R-PG55(48x48)-FW
5066 clad double-hung picture	CW-PG55(60x78)-FW
5066 clad double-hung insert picture	CW-PG30(60x78)-FW
Gliding Windows	
6050 clad gliding - two locks (unit heights greater than 48 in.)	CW-PG30(72x60)
6040 clad gliding - one lock (unit heights less than or equal to 48 in.)	CW-PG30(72x48)

An asterisk (*) added to the primary designator indicates that the tested specimen was smaller, in either width or height, than the gateway test size as indicated in the 101/L.S. 2/A440 specification for the indicated product type and performance class.

"Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.

Where designated, E-Series products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

This data is accurate as of 03/17. Due to ongoing product changes, updated test results, or new industry standards, this data may change over time.

Contact your local dealer for more information.

Product Performance (continued)

Non-Impact-Resistant Product Performance Data (continued)

Clad Windows & Doors

Product Description	A440-11 Ratings
Gliding Patio Doors	
8080 clad French gliding patio door	LC-PG40(95x96)-SD
6080 clad French gliding patio door	LC-PG50(71x96)-SD
12080 clad four-panel French gliding patio door	LC-PG40(142x96)-SD
8080 clad gliding patio door	LC-PG30(95x96)-SD
4080 clad gliding patio door sidelight	LC-PG50(50x96)-SLT
16080 clad four-panel gliding patio door	LC-PG25(190x96)-SD
Hinged Patio Doors - Outswing	
3-4 x 8-0 clad outswing single door	LC-PG60(40x95)-SHD
3-4 x 8-6 clad outswing single door	LC-PG50(40x101)-SHD
3-4 x 10-0 clad outswing single door	LC-PG50(40x119)-SHD
6-7 x 8-0 clad outswing double door - Type II hardware	LC-PG60(79x95)-SHD
6-7 x 8-6 clad outswing double door - Type II hardware	LC-PG40(79x101)-SHD
6-7 x 10-0 clad outswing double door - Type II hardware	LC-PG40(79x119)-SHD
6-3 x 8-0 clad outswing double door - Type III hardware	LC-PG30(75x95)-SHD
2080 clad outswing venting sidelight	CW-PG50(24x96)-SLT
3-4 x 10-0 clad outswing door sidelight	LC-PG75(40x119)-SLT
3280 clad outswing single door with raised panel inserts (SP1R1)	LC-PG60(36x95)-SHD
3280 clad outswing single door with raised panel insert (SP1R2)	LC-PG60(36x95)-SHD
3-4 x 8-0 clad outswing mid-rail single door	LC-PG60(40x95)-SHD
21080 clad outswing sidelight with raised panel insert	CW-PG75(34x95)-SLT
2080 clad outswing mid-rail door sidelight	CW-PG80(24x95)-SLT
6-7 x 2-0 clad outswing door transom	LC-PG80(79x24)-TR
6-7 x 8-0 clad outswing double door (stationary-stationary)	LC-PG60(79x95)-FD
3480 clad arch outswing single door	LC-PG60(40x96)-SHD
3480 clad arch outswing door sidelight (SLR1)	CW-PG80(40x96)-SLT
6780 clad arch outswing double door	LC-PG60(79x96)-SHD
3480 clad outswing single door with low threshold sill	LC-PG50(40x101)-LWSHD
6780 clad outswing double door with low threshold sill	LC-PG30(79x101)-LWSHD
Hinged Patio Doors - Inswing	
2080 clad inswing venting sidelight	CW-PG45(24x96)-SLT
3-4 x 8-6 clad inswing single door	LC-PG45(40x102)-SHD
3-4 x 10-0 clad inswing single door	LC-PG45(40x119)-SGD
6-7 x 8-0 clad inswing double door - Type II hardware	LC-PG40(79x96)-SHD
6-7 x 8-6 clad inswing double door - Type II hardware	LC-PG30(79x102)-SHD
6-7 x 10-0 clad inswing double door - Type II hardware	LC-PG35(79x120)-SHD
6-7 x 8-0 clad inswing double door - Type III hardware	LC-PG35(79x96)-SHD
6-7 x 8-0 clad inswing center post door - hinged off jamb	LC-PG45(79x96)-SHD
6-7 x 8-0 clad inswing center post door - hinged off astragal	LC-PG45(79x96)-SHD
6-7 x 8-0 clad inswing double door (stationary-stationary)	LC-PG40(79x96)-FD
3-4 x 10-0 clad inswing door sidelight	LC-PG45(40x119)-SDT
6-7 x 2-0 clad inswing door transom	LC-PG60(79x24)-TR
3480 clad arch inswing single door	CW-PG45(40x96)-SHD
3480 clad arch inswing door sidelight	CW-PG45(40x96)-SDT
6780 clad arch inswing double door	LC-PG40(72x96)-SHD
3480 clad inswing single door with low threshold sill	LC-PG50(40x101)-LWSHD
6780 clad inswing double door with low threshold sill	LC-PG30(79x101)-LWSHD

"Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.

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This data is accurate as of 03/17. Due to ongoing product changes, updated test results, or new industry standards, this data may change over time.

Contact your local dealer for more information.

Impact-Resistant Product Performance Data

Clad Windows & Doors

Product Description	Glass Type	Design Pressure Rating
Casement Windows - Venting		
3060 clad casement vent - 3-point sequential lock	Low-E4® Impact-Resistant	+65/-75
3056 clad casement vent - 2-point sequential lock	Low-E4 Impact-Resistant	+65/-75
3060 clad casement vent - 3-point sequential lock	Monolithic Impact-Resistant	+65/-75
3056 clad casement vent - 2-point sequential lock	Monolithic Impact-Resistant	+65/-75
Casement Windows - Fixed		
4060 clad casement direct-set (1-piece) fixed	Low-E4 Impact-Resistant	+65/-75
46100 clad casement direct-set (1-piece) fixed	Monolithic Impact-Resistant	+70/-80
Arch Casement Windows - Venting		
3060 clad equal leg arch casement vent - 3-point sequential lock	Low-E4 Impact-Resistant	+55/-65
3060 clad unequal leg arch casement vent - 3-point sequential lock	Low-E4 Impact-Resistant	+55/-65
3056 clad equal leg arch casement vent - 2-point sequential lock	Low-E4 Impact-Resistant	+55/-65
3060 clad equal leg arch casement vent - 1-point lock	Monolithic Impact-Resistant	+65/-75
Arch Casement Windows - Fixed		
4060 clad arch casement direct-set (1-piece) fixed	Low-E4 Impact-Resistant	+65/-75
5080 clad arch casement direct-set (1-piece) fixed	Monolithic Impact-Resistant	+70/-80
Awning Windows		
4056 clad awning vent - 3 locks	Low-E4 Impact-Resistant	+65/-65
4050 clad awning vent - 2 locks	Low-E4 Impact-Resistant	+65/-70
4030 clad awning vent - 1 lock	Low-E4 Impact-Resistant	+70/-80
4056 clad awning vent - 3 locks	Monolithic Impact-Resistant	+65/-65
4050 clad awning vent - 2 locks	Monolithic Impact-Resistant	+65/-70
4030 clad awning vent - 1 lock	Monolithic Impact-Resistant	+70/-80
Specialty Windows		
5080 clad specialty (auxiliary) fixed	Low-E4 Impact-Resistant	+70/-75
5080 clad specialty (auxiliary) fixed	Monolithic Impact-Resistant	+70/-75
Double-Hung Windows - Venting		
3466 clad double-hung vent	Low-E4 Impact-Resistant	+55/-65
3466 clad double-hung vent	Monolithic Impact-Resistant	+55/-65
4086 clad single-hung vent (monumental) - ASTM only	Low-E4 Impact-Resistant	+55/-50
Double-Hung Windows - Fixed		
5066 clad double-hung fixed	Low-E4 Impact-Resistant	+55/-65
5066 clad double-hung fixed	Monolithic Impact-Resistant	+55/-65
4020 clad double-hung transom	Low-E4 Impact-Resistant	+55/-65
4020 clad double-hung transom	Monolithic Impact-Resistant	+55/-65
Gliding Patio Doors		
6080 clad French gliding patio door	Low-E4 Impact-Resistant	+60/-65
6080 clad French gliding patio door	Monolithic Impact-Resistant	+60/-65
4080 clad French gliding patio door sidelight	Low-E4 Impact-Resistant	+60/-65
4080 clad French gliding patio door sidelight	Monolithic Impact-Resistant	+60/-65
Hinged Patio Doors - Outswing		
3080 clad outswing single door	Low-E4 Impact-Resistant	+65/-65
6080 clad outswing double door	Low-E4 Impact-Resistant	+65/-65
3080 clad outswing single door sidelight	Low-E4 Impact-Resistant	+65/-65
3080 clad outswing single door with raised panel inserts	Low-E4 Impact-Resistant	+65/-65
6080 clad outswing double door with raised panel inserts	Low-E4 Impact-Resistant	+65/-65
3080 clad outswing single door sidelight with raised panel inserts	Low-E4 Impact-Resistant	+65/-65
3080 clad outswing single door	Monolithic Impact-Resistant	+65/-75
6080 clad outswing double door	Monolithic Impact-Resistant	+65/-65
3080 clad outswing single door sidelight	Monolithic Impact-Resistant	+65/-75
6030 clad outswing door transom	Low-E4 Impact-Resistant	+65/-65
6030 clad outswing door transom	Monolithic Impact-Resistant	+60/-65
Hinged Patio Doors - Inswing		
3080 clad inswing single door	Low-E4 Impact-Resistant	+50/-65
6080 clad inswing double door	Low-E4 Impact-Resistant	+50/-65
3080 clad inswing single door sidelight	Low-E4 Impact-Resistant	+50/-65
6030 clad inswing door transom	Low-E4 Impact-Resistant	+65/-65

"Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.

Where designated, E-Series products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

This data is accurate as of 03/17. Due to ongoing product changes, updated test results, or new industry standards, this data may change over time.

Contact your local dealer for more information.

*For up-to-date product information,
please visit andersenwindows.com.*



PDF NAVIGATION TIPS

Welcome to an overview of the enhanced navigation tools available in this PDF. Here are some simple tips on PDF navigation. Before you begin be sure you are using the latest version of Adobe Acrobat Reader DC, available at – <https://get.adobe.com/reader/>

To watch a 3-minute tutorial on navigating catalog PDFs, go to: <https://youtu.be/sWWnYn6ON3Y>

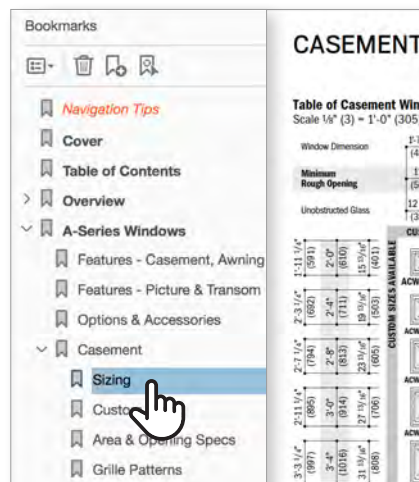
BOOKMARK NAVIGATION

①

Acrobat will display the bookmarks panel when you open the PDF.

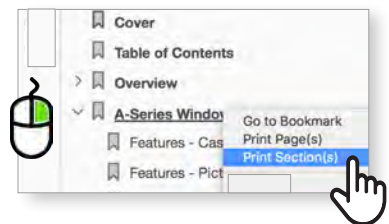
Bookmarks are the easiest way to find specific product information.

Select a topic and that page will be displayed.



②

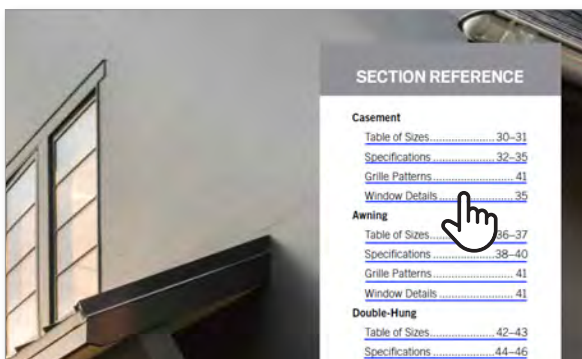
If you need to print a specific section, **right click on that section** within in the bookmarks panel and choose “**Print Section.**”



LINKS AND URL NAVIGATION

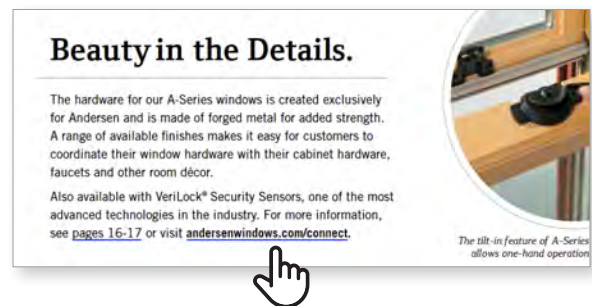
①

You can also use the **embedded links** to navigate between sections. All links are underlined in blue.



②

Website links automatically open in your web browser.





**TOOL BAR
NAVIGATION**

To add a **“Jump Back” Button** to your tool bar, **Right click on tool bar**, select **Show Page Navigation Tools** and choose **Show All Page Navigation Tools**.

The screenshot shows the 'View' menu with 'Show Page Navigation Tools' selected. Below the menu, the Page Navigation toolbar is visible, featuring icons for first, previous, next, and last page, along with a page number field showing '30' of '32 of 247'. A hand cursor is pointing at the 'Previous Page' icon.


Another helpful tool is the **Loupe Tool**. It allows you to zoom in on the page without having to increase the page size.

The screenshot shows the AutoCAD interface with the 'Tools' menu open. The 'Show Select & Zoom Tools' option is highlighted, and its submenu is displayed. The submenu includes the following options:

- Marquee Zoom
- Dynamic Zoom
- Pan & Zoom
- Loupe Tool
- Actual Size
- Zoom to Page Level
- Fit Width
- Show All Select & Zoom Tools

A hand cursor is pointing at the 'Show Select & Zoom Tools' option in the main menu.

You can also use the **commenting tools**. Add a post-it-note with your comments or highlight important information.



We are always looking for ways to improve.
Please send feedback to webmarketing@andersencorp.com.