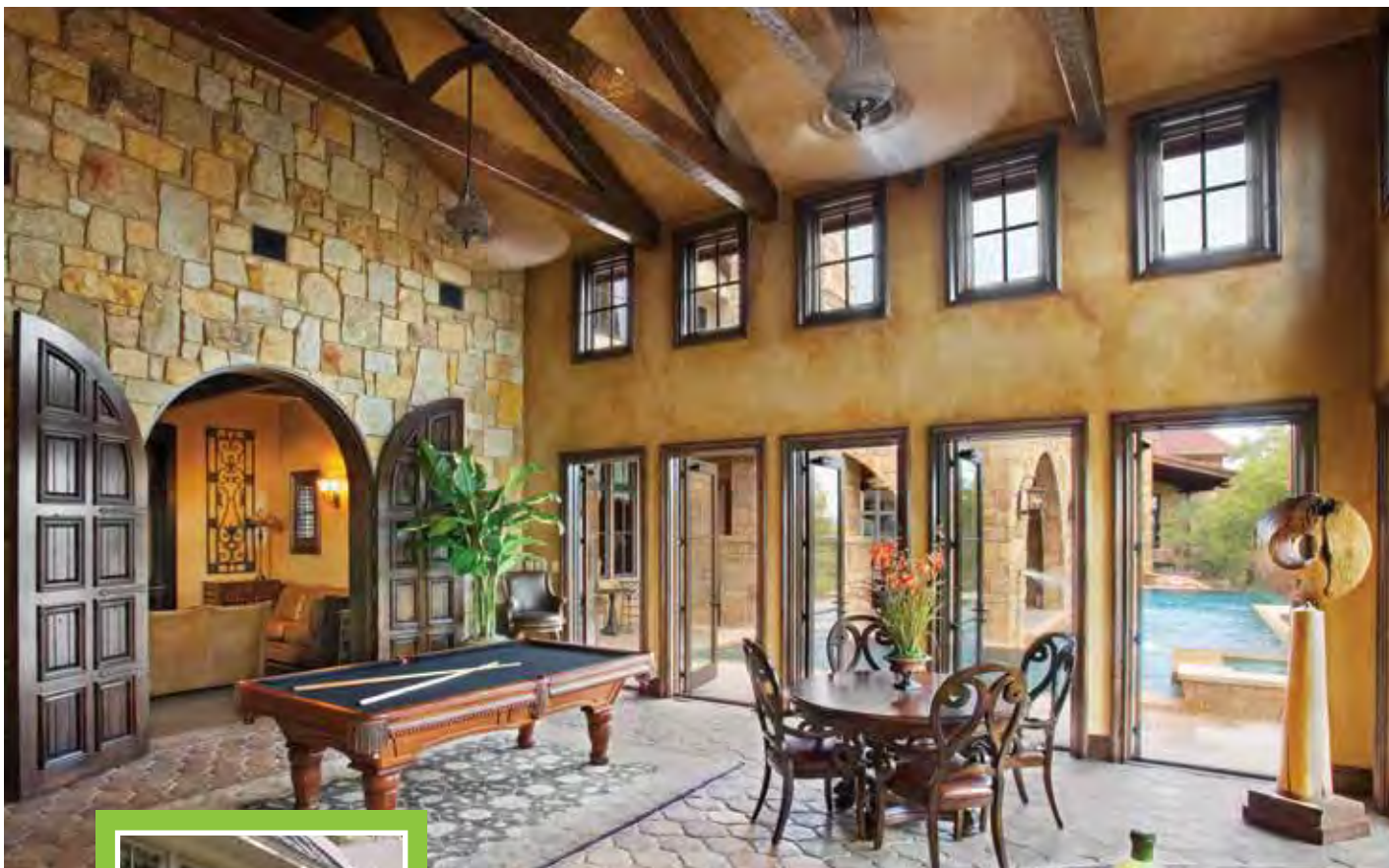




Product Catalog

WINDOWS AND PATIO DOORS





Welcome

With nearly 70 years of manufacturing experience and craftsmanship built into every window and patio door we produce, Lincoln continues to provide products with strong visual appeal and outstanding performance. A long history of satisfied homeowners is proof of our exceptional customer service before and after the sale.

We are continually expanding and refining our list of products, options and accessories to fulfill ever changing market needs. Our windows and patio doors are independently tested and certified to meet energy efficiency requirements and structural performance expectations. Also, in order to maintain the high level of quality you expect, we randomly in-house test products against our rigid manufacturing standards.

Whether your project is residential, light commercial or replacement, we are confident that we have the products to meet your needs.

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Don't settle for less. Lincoln windows and patio doors are tailor-made for each and every order. Your ideas and the vast array of options and accessories offered by Lincoln make every product an opportunity to fit your signature style.

Whether the need is for a replacement to fit an existing opening, a full residential project or a multi-faceted light commercial application, Lincoln and our dedicated dealers will coordinate their efforts to meet and exceed your expectations.





Residential

Every new residential project is the culmination of a persons' dreams. Product selection, from flooring to shingles, are all key elements to fulfillment of that dream. Lincoln windows and patio doors are made to compliment any architectural style in size, shape and color to help your dream become a reality.



Remodeling

Your home is where your heart is. Do a makeover on something you love! There has never been a better time to improve comfort levels, lower energy costs and increase market value. Our Revitalize Series includes remodeling products designed specifically for your next replacement window project.



Light Commercial

A school, library, office complex, country club, fire house, armory, hotel, assisted living facility, or condominium – one thing these examples all have in common is their Lincoln windows. Some are installed in new construction and some as renovations. Lincoln windows, beautiful as residential products, also meet the demands of light commercial applications.



Impact

Built to withstand the rigors of harsh coastal environments, StormPoint Series windows and patio doors by Lincoln can help protect your home or business against high winds and debris. Our impact resistant glass is designed to meet building code requirements without the need for shutters.

The Environment

Our management team feels strongly about protecting and preserving the environment and have implemented programs to reduce landfill waste and lower energy consumption.

We recycle: aluminum, anti-freeze, ballasts, batteries, cardboard, cellular PVC, copper wire, electronics, fluorescent light bulbs, freon, glass, oil, oil filters, paper, plastic bottles, sawdust, scrap metal, shrink wrap, soda cans, steel, tin, tires, vinyl, and wood.



Energy Efficiency

Many of our products are tested and certified for water penetration, air infiltration, structural integrity and thermal performance. We also offer numerous product enhancements to increase energy savings such as thermal breaks, weatherstripping and high performance glass. In addition, we engage in lean and sustainable manufacturing processes and strive to use suppliers that do the same.



Testing and Certification

Many of our products carry certification by the National Fenestration Rating Council (NFRC). In addition, Lincoln is an ENERGY STAR Partner. One portion of a product's certification is derived from computerized simulation, which computes the thermal value of the product. Another is physical testing to establish air and water infiltration and structural performance. We strive for the best in our windows and doors.



Aluminum clad is definitely the most popular exterior choice from Lincoln, offering color flexibility and structural strength while providing a homeowner with a low maintenance exterior. Extruded aluminum .050 thick frames and sash cladding protects homes from the outdoors and adds structural integrity for maximum functionality. Our Distinction Collection is wide-ranging and includes a full line of windows, patio doors and a multitude of options.

Beauty, durability, variety and performance are all brought to you by the Distinction Collection and built with pride at Lincoln.

Features

- **Available Product:**
Full product selection.
- **Maintenance:**
Minimal. Periodic soap & water.
- **Structural Performance:**
Superior strength and rigidity for all-weather protection.
- **Thermal Performance:**
High.

Distinction

Aluminum Clad

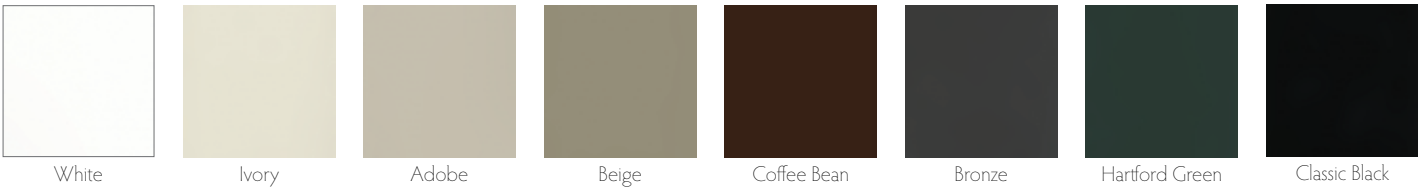


Frame and Sash Finishes

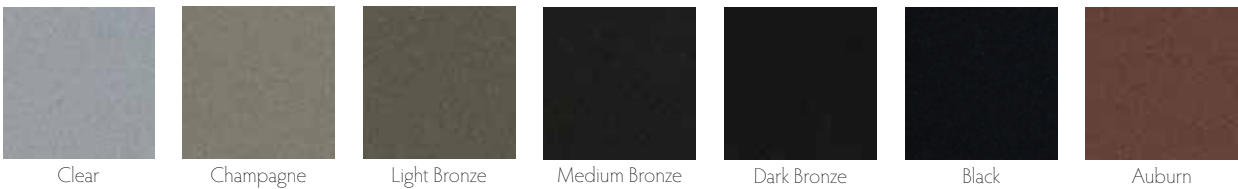
We offer eight standard colors, thirty-eight feature colors, seven spray-on anodized colors and have the ability to match from a customer's sample.

All of our standard, feature and custom color options are painted to AAMA 2605 performance requirements. AAMA 2605 high performance paint is the preferred choice of designers, architects and educated consumers. Exceptional color retention and minimal chalking are leading characteristics of this premium paint finish.

Standard Colors - AAMA 2605



Spray-On Anodized Colors - AAMA 2604



Feature Colors - AAMA 2605



Custom Colors - AAMA 2605



Due to printing limitations, the colors shown are for representation only.



Our thought process behind the Harmony Collection is simple. Create an exceptional value-based window platform that performs well without sacrificing quality attributes like cladding thickness, amount of material and product enhancement choices.

Vinyl clad exteriors resist the harmful effects of salt water spray, UV damage and have excellent color retention making Harmony products the best choice for harsh environments.

Harmony products have a high level of energy efficiency and superior exterior protection along with a multitude of available options.

Features

- **Available Product:**

Limited product selection.

- **Maintenance:**

Very minimal. Periodic soap and water.

- **Structural Performance:**

Excellent resistance to harsh coastal environments.

- **Thermal Performance:**

Very high.

Harmony

Vinyl Clad



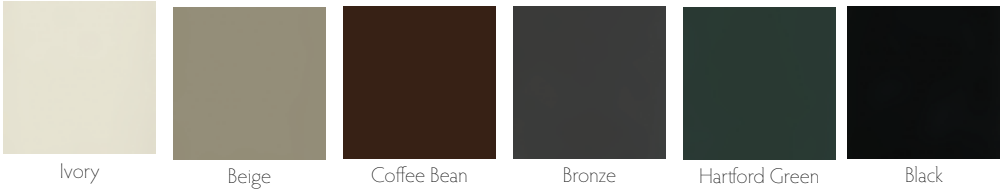
Frame and Sash Finishes

Our vinyl clad product is offered in 2 extruded colors (white & adobe) and six painted finishes (ivory, beige, coffee bean, bronze, hartford green and black). The Lincoln paint process is an environmentally friendly water-based application process with ultra low VOC emissions, excellent weathering properties, high abrasion resistance and superior hardness.

Extruded Colors



Painted Finishes



* While every effort was made to match the corresponding aluminum color, paint finishes on a vinyl substrate may appear slightly different in color and gloss level. Please be aware of this if painted viny and aluminum clad products are used together.



The best of both worlds! Combine a traditional window look with today's modern exterior options. Create your hybrid window package by picking a traditional trim/casing and then choose an aluminum clad or vinyl clad sash. This unique blend of conventional window parts and popular accent trim best describes the Lincoln Innovation Collection.

Casings are non-rot cPVC and will take heat reflective and UV resistant paint well, allowing you to match our clad sash. For the more adventuresome, you can create a color contrast between the sash and frame. Historical appearances will charm an architectural eye and our durable low-maintenance qualities will satisfy an owners concern for longevity.

Features

- **Available Product:**
Extensive product selection.
- **Maintenance:**
Moderate. Apply UV resistant paint and periodic check-up.
- **Structural Performance:**
Excels in strength and design flexibility.
- **Thermal Performance:**
High.

Innovation

Hybrid

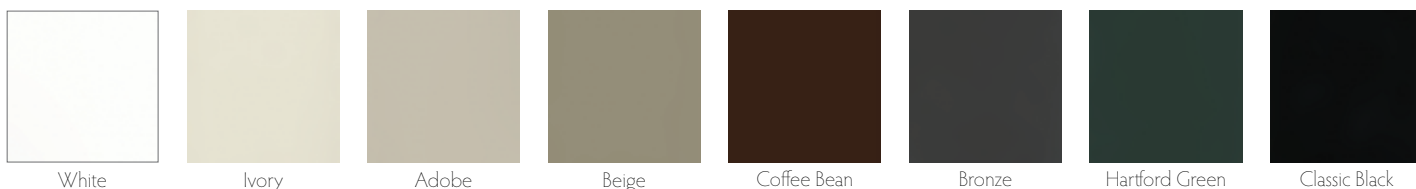


Aluminum Clad Sash Finishes

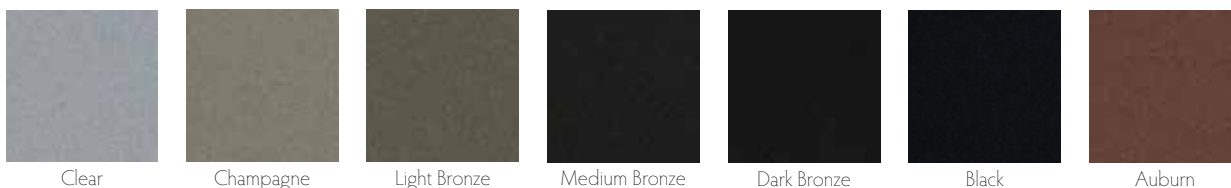
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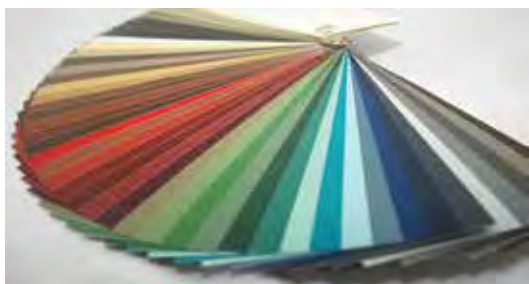
Standard Colors - AAMA 2605



Spray-On Anodized Colors - AAMA 2604



Feature Colors - AAMA 2605

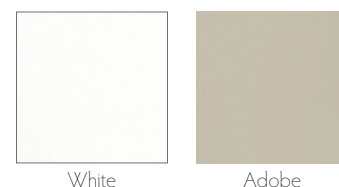


Custom Colors - AAMA 2605



Vinyl Clad Sash Finishes

Our vinyl clad product is offered in 2 extruded colors (white & adobe) and six painted finishes (ivory, beige, coffee bean, bronze, hartford green and black). The Lincoln paint process is an environmentally friendly water-based application process with ultra low VOC emissions, excellent weathering properties, high abrasion resistance and superior hardness.



Frame Finish

Wood with a white factory applied water-based acrylic latex primer and white, paintable cellular PVC sill, blindstop & casings.

Due to printing limitations, the colors shown are for representation only.

CLICK: lincolnwindows.com

This time-honored window design captures the original depth and beauty of Lincoln products. Our Traditions Collections products are architect friendly and designed for new construction or historical renovation.

High risk rot-prone components are substituted with cPVC parts ready for a high quality heat reflective and UV resistant exterior paint color choice.

From a traditionalist point-of-view, Lincoln's stylish windows, patio doors and shapes are dimensionally accurate, historically desired and design friendly.

Features

- **Available Product:**

Extensive product selection.

- **Maintenance:**

Moderate. Apply UV resistant paint and periodic check-up.

- **Structural Performance:**

Exceptional thermal performance.

- **Thermal Performance:**

Very high.

Traditions

Primed



Frame Finishes

Wood with a white factory applied water-based acrylic latex primer and white, paintable cellular PVC sill, blindstop and casings or all-wood with a white factory applied water-based acrylic latex primer.



Sash Finish

Wood with a white factory applied water-based acrylic latex primer.



Nothing demonstrates class better than the warmth and beauty of all natural wood. Lincoln's Luxury Collection clearly defines elegance and charm on both the exterior and interior of your home or business.

Wood is nature's exceptional natural insulator. Environmentally friendly wood is a very energy efficient window construction material and is a renewable resource.

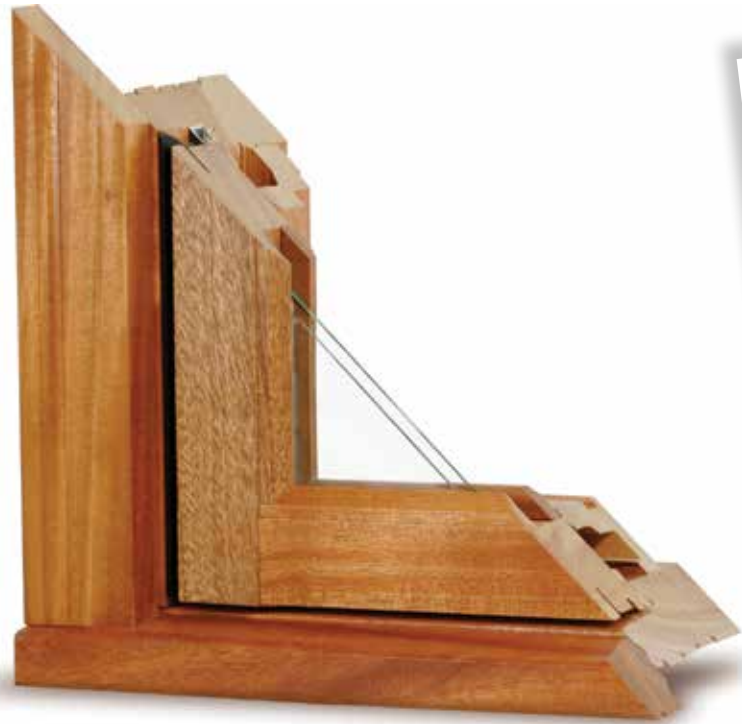
Protect your investment by applying a quality stain and sealer on both window surfaces and enhance the appearance all while blending in with your natural landscape.

Features

- **Available Product:**
Extensive product selection.
- **Maintenance:**
Frequent. Apply high-grade finish and inspect annually.
- **Structural Performance:**
Energy efficient.
- **Thermal Performance:**
Very high.

LUXURY

Natural Wood

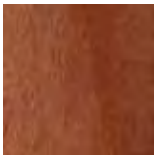


Frame & Sash Finishes

High-grade natural wood inside and out in three beautiful species.



Fir



Mahogany



Pine



Extruded Aluminum



2" Brickmould



4" Brickmould



4" Flat Casing



1/4" Sill Nosing



7/8" Sill Nosing

Vinyl

2" Brickmould
w/J-Channel3-1/2" Flat Casing
w/J-Channel7/8" Sill Nosing
w/J-Channel

cPVC



2" Brickmould



Williamsburg



Backband

Flat Casing
Any dimension up to 8"

1" Sill Nosing



2" Casement Sill Nosing



2" Double Hung Sill Nosing

Primed Wood



2" Brickmould



Williamsburg

Flat Casing
Any dimension up to 8"

1" Sill Nosing

Natural Wood



2" Brickmould



Williamsburg

Flat Casing
Any dimension up to 8"

1" Sill Nosing

Trim

Add that finishing touch to the exterior of your windows and patio doors by trimming them with the many brickmould and casings offered by Lincoln. Along with enriching the aesthetics of your home, these factory-applied trims reduce the installation labor and hassle.

For aluminum clad units, Lincoln offers extruded aluminum brickmould in 2" and 4" widths and 4" flat casing. All come factory applied and are available in all of our aluminum clad colors.

Also available - a factory applied rigid aluminum nailing flange and color matched drip cap. This .050 extruded option features mitered corners with supplied gaskets.



The Lincoln vinyl clad windows feature an accessory groove to the exterior, just like our aluminum clad line, which will accept 2" brickmould or 3-1/2" flat casing. These vinyl trims feature a 1" x 1" J-channel and integral nailing flange. The original window nailing fin remains fully intact strengthening the entire system. Architects will enjoy our attention to detail by providing an authentic sill profile.

The wood exterior product lines are available with cPVC 2" brickmould. Other styles of cPVC trim include Backband and Williamsburg along with flat casings up to 8" in width. When using heavier trims, the double hung & casement lines come with an optional 2" sill nosing for complimentary style. Primed and stain grade unfinished brickmould, sill and sill nosing are available as options.

Note: Wide casings require installation brackets.

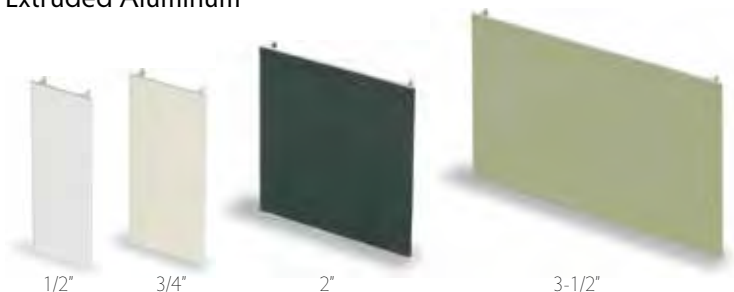


Dressed up or dressed down, all windows and doors have trim. Lincoln offers trim variations for the convenience of the builder and the end user. Of course trim has a utilitarian function as a bridge between the window and the wall inside and out. However, trim ultimately frames the window in its setting. The exterior trim rounds out the architectural presentation. Interior trim becomes the frame for nature's setting.

Spread Mulls

When your project requires windows and patio doors in multiple-wide configurations, Lincoln has the mulls to make them right. Typical mulling is done with a tight unit to unit mull clip. Spread mulls add additional spacing between windows and patio doors. Popular reasons for utilizing a spread mull would include: accommodating a special opening with standard size windows, to achieve a 'heavier' look and the ability to work around essential structural framing. Spread mulls can be done both vertically and horizontally.

Extruded Aluminum

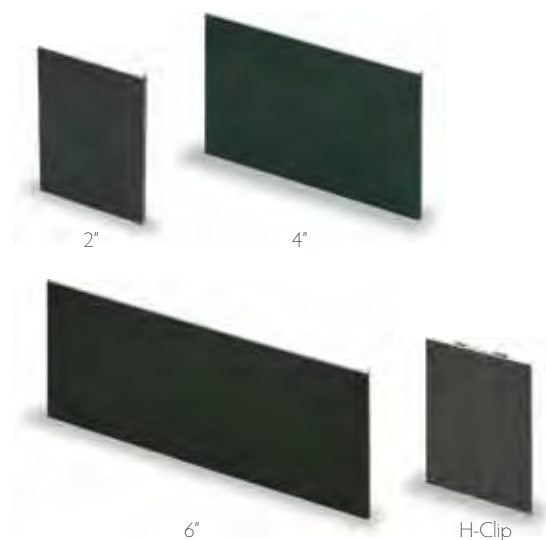


Vinyl



Panning Systems

Lincoln also offers a panning system for aluminum clad exteriors. These additional trims snap into the accessory groove which can add additional width and height to a window or patio door. This system will fill space from a window frame to the building thereby covering the framing material and nail fins. Incorporate an H-Clip and create an adjustable panning used to join two units fairly far apart. The panning system is a nice feature commonly used for remodeling when there are existing and varying openings.





Jamb Extensions

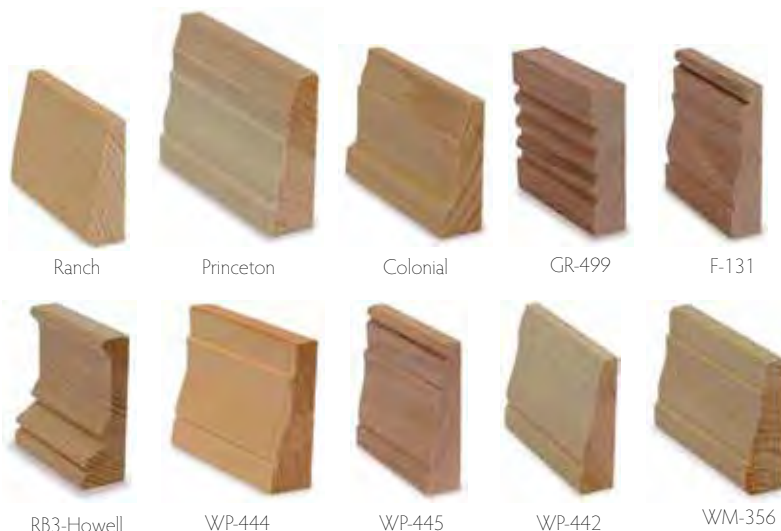
When installing a window, increasing the depth of the window frame to accommodate the wall thickness is sometimes necessary. This can easily be accomplished with the use of jamb extensions, these factory applied extensions are available in all six wood species.

Mull Casings

This is an interior trim covering that hides the joinery between mullied window assemblies and is commonly used when purchasing an applied extension jamb. Mull casings are available to match our wood species.

Trim

Lincoln offers interior trims in ten profiles for radius products. The benefit to our customers is the ability to shape the trim at the time the unit is produced. In addition, plinth blocks are available, to facilitate joining radius to straight trim.

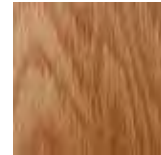


Wood Species

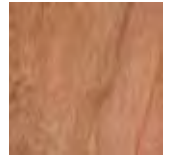
Nothing enhances the look and feel of a room more than the richness and beauty of wood. Our standard pine interior is fine for most applications, but if you are looking to really enhance the character of your project, choose from five additional wood species.



Pine



Oak



Cherry



Alder



Mahogany



Fir

Finishes

Define inner beauty by choosing a time saving, factory applied interior finish from Lincoln.

Natural Wood: Lincoln will leave your interior wood surface sanded smooth, ready for stain and sealer.

Primed: If you plan to paint the interior of your windows and patio doors, have them primed with a white factory applied water-based acrylic latex primer.

Pre-Finish White: To take things a step further, we also offer a factory applied top-coat of paint. The pre-finish white water-based acrylic latex is intended to be your final coat of paint with the nail holes filled to reduce jobsite finishing costs.



Natural Wood



Primed



Pre-Finish White



Here is another opportunity to have your windows and doors made to fit the interior design, décor and style of the room. Additionally, the exterior interacts with the overall architecture and creates fantastic curb appeal. Enhancing windows and doors with lite divisions definitely puts the icing on the cake. Although there are standard lite configurations designated for all products, custom designs are also welcome.

Simulated Divided Lites

Windows and doors may be enhanced with simulated divided lites. Both interior and exterior bars are sealed to the glass with 3M adhesive. Interior bars are available in wood and the exterior bars are available in aluminum, wood and vinyl. Simulated divided lites are available in 5/8", 7/8", 1-1/8" and 2" bar widths with an option of an interior square bar in 5/8", 7/8" and 1-1/8", and are color-matched to the exterior cladding. They may be ordered with mill finish and bronze spacer bars or with no spacer at all.

Interior Wood Grilles

Interior wood grilles are available in single profile widths of 5/8", 1", and 1-1/4" and a double profile width of 7/8". These can be ordered with or without a perimeter surround. Interior grilles offer the convenience of removal for the cleaning of interior glass surfaces.

Internal Aluminum Grilles

Another unobstructive manner of lite division is the addition of an internal aluminum grille. Inserted at time of insulated glass fabrication, internal aluminum grilles are 1 1/16" double profile and are available in all eight of our standard clad colors and six two-toned options. Two-toned colors are matched with white.

Lincoln Divided Lites

Authentic lite division produced with 7/8" and 1-1/4" bar widths, Lincoln Divided Lites are produced as primed units only. Utilizing the 1-1/4" bar enables the product to encompass insulated glass. The 7/8" bar, however, is only available in single glazed units.



Without Surround



With Surround



The glass in windows and patio doors has the single largest effect on energy efficiency. Lincoln's standard insulated glass offering includes double strength glass combined with a warm edge spacer. For greater energy efficiency, argon is added to all Low-E glass units, at no cost to the customer, with the exception of those units requiring capillary/breather tubes.* Choose Lincoln's standard glass or a combination of the options for appearance, performance and comfort.

* These are units shipped over high elevations. Lincoln does not guarantee that the initial argon fill rate will be maintained over the life of the product. Argon depletion may decrease energy efficiency. For more information, contact your local distributor or Lincoln Wood Products, Inc.



Insulated Glass Construction

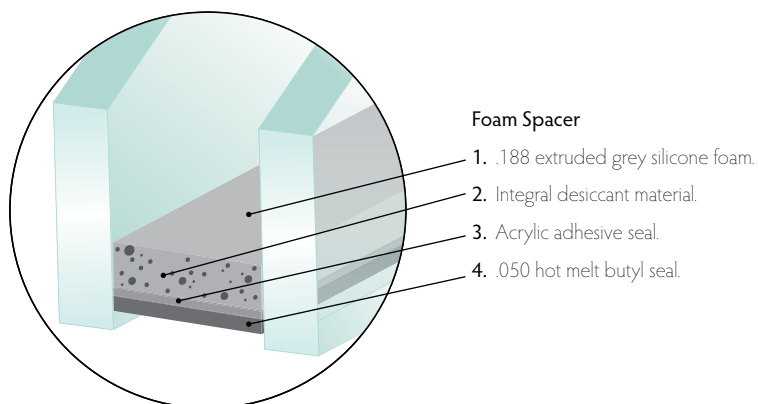
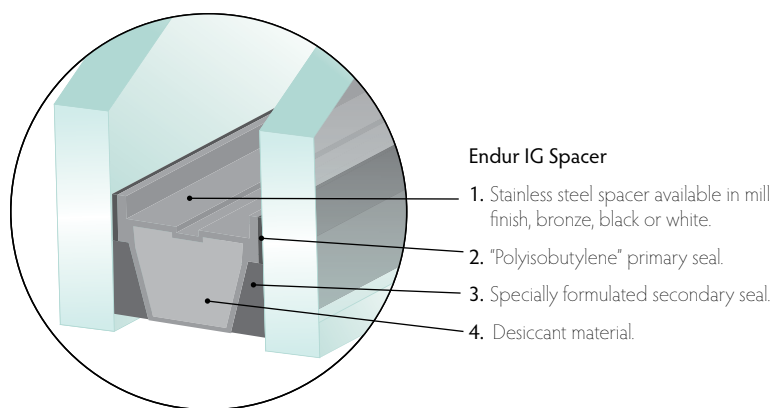
Our insulating glass (IG) is constructed with four major components. It's the quality of these components, sheet glass, desiccant material, sealants and spacers that set companies apart.

Let's consider the sheet glass. We exclusively utilize double-strength glass (3.2mm) even on the smallest sizes. Some companies believe this should be an upgrade while we eliminated the thinner glass option many years ago.

Quality desiccant material is used to absorb moisture within the IG unit during assembly and the polyisobutylene sealant provides excellent adhesion to the glass with a low moisture vapor transmission rate for years of outstanding field performance.

Choose one of our premium warm-edge spacer systems listed here to complete your perfect glazing package.

WARM EDGE SPACER OPTIONS



LoE-180™

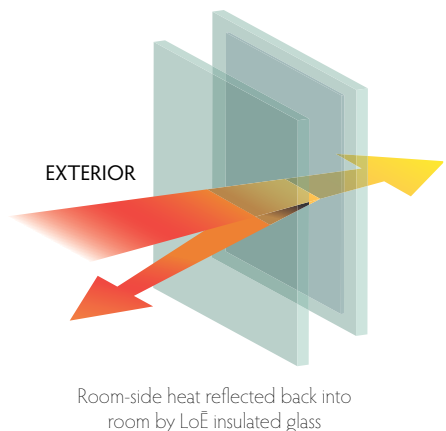
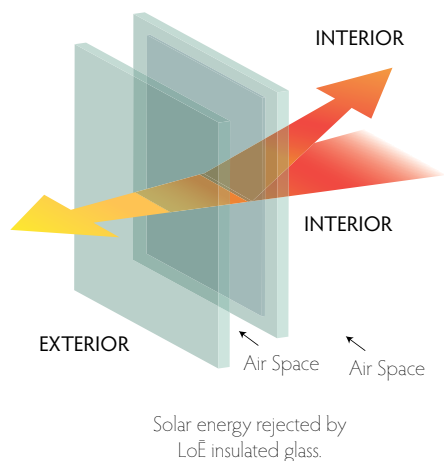
Constructed with a single LoE coating, this glass option is perfect for climates where solar heat gain is welcome. LoE-180™ outperforms clear IG glazing with warmer inside glass temperatures and better UV protection.

Projects looking for passive solar glazing solutions including good U-Value performance in conjunction with higher Solar Heat Gain Coefficients experience positive benefits with LoE-180™.

LoE²-272®

Safeguard your home from the elements by using this nearly invisible protection. Consisting of two microscopic layers of silver sealed in the airspace, this glass is a nice step-up from our standard offering.

Obtain an affordable balance of U-value, solar shading, visible light transmittance and UV protection by choosing LoE²-272®.



LoE³-366™/Neat®

Controlling solar heat gain just became easier with the unparalleled performance of LoE³-366™/Neat® glass technology. By adding a third layer of silver coating, LoE³-366™/Neat® effectively blocks solar gain and reflects heat more efficiently.

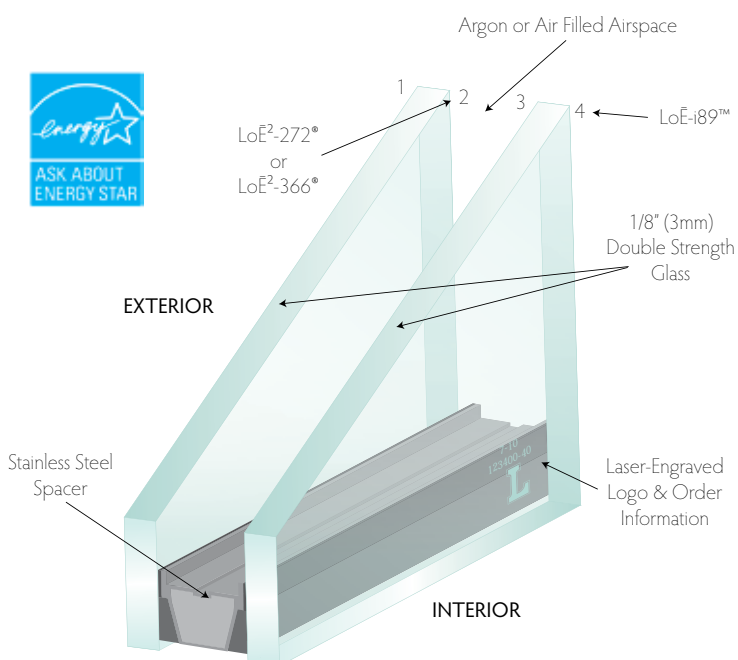
In addition to reducing heat gain, the goal with any high performance glazing is clarity. LoE³-366™/Neat® was produced to show a minimum of exterior "mirror" reflectance and does not require smoke-colored tints that can darken your home's interior.

Dual Low-E2 (LoE i89™/LoE²-272®) and Dual Low-E3 (LoE i89™/LoE³-366®)

Our most ecologically aware combination of glass products designed for projects requiring extraordinary energy efficiencies.

As the ENERGY STAR® program ratchets up its requirements, our glass offering continues to provide consumers with an ability to comply. Lincoln's Dual Low-E options are the next generation insulating glass packages that tackle these stricter requirements by combining LoE²-272® or LoE³-366® with a room side low-e coating (LoE-i89™ is on surface #4). Don't worry, LoE-i89™ performs well without sacrificing glass clarity, doesn't require special cleaning and provides additional UV protection.

This energy efficient glass lowers U-Values and retains more of your costly heat inside for the Northern and North/Central zones. Assembling Dual Low-E with our foam spacer system further improves U-value performance.





Laminated Glass Construction with .090 PVB Interlayer

Impact

This special glass is produced by bonding a combination of plastic vinyl layers and polyester film between two panes of glass into a single sheet. Extensive testing shows that upon impact, broken glass fragments tend to adhere to the durable, bonded plastic vinyl interlayer, reducing the risk of injury and damage to your buildings' structure. Sea-Storm® glass looks like ordinary glass, but is designed to pass stringent building requirements in high wind speed areas.

Neat® and Preserve®

Neat®: Combines a permanent layer of silicon dioxide, which causes water to sheet off leaving fewer water spots, and a layer of titanium dioxide that reacts with the sun's UV rays causing organic material on the glass to decompose - no manual activation required.

Preserve®: A low density polyethylene adhesive that protects the glass during shipping and construction that makes clean-up a quick and easy process.



Without Neat®



Preserve®

With Neat®

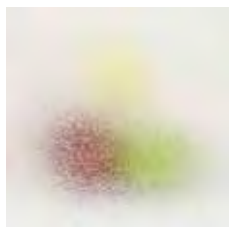
Specialty Glass Options

The majority of projects utilize clear glass, but occasionally a project requires the use of a specialty glass. Whether it be to conceal the view from the exterior of a building, distort the details of objects through the glass or provide an extra level of safety, we have a variety of specialty glasses that will meet your needs. Our specialty glass options include: laminated, obscure, tempered, tinted and spandrel.

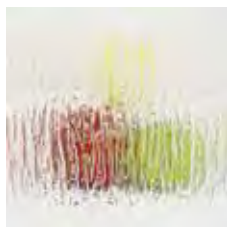
Obscure Patterns



Glue Chip

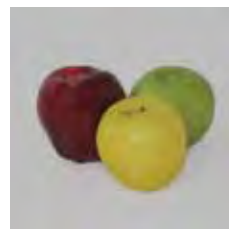


Pattern 62



Rain

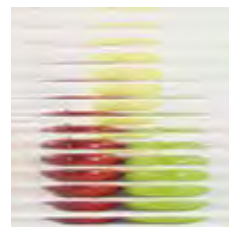
Tinted Glass



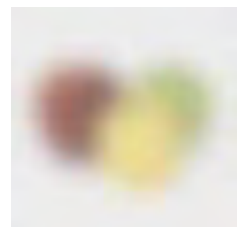
Grey



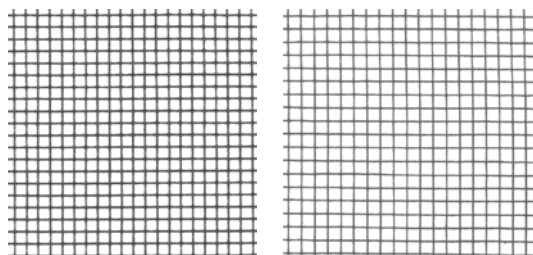
Bronze



Reed

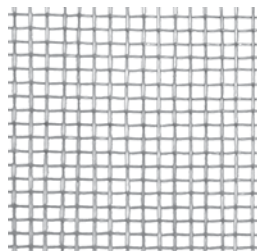


Matte Frost



BetterVue

UltraVue



Aluminum

Screen Mesh

Screens allow you to enjoy the fresh air while keeping insects and debris out of your home. Lincoln offers three options.

BetterVue: Our standard screen mesh. Made of fiberglass, it has thinner strands and a tighter weave than traditional fiberglass screen providing better visibility, increased light transmittance, greater airflow, improved curb appeal and enhanced protection from small insects (no-see-ums), debris and dust.

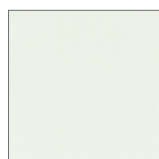
UltraVue: The least visible of our screen mesh options. The strands of UltraVue are thinner than BetterVue, providing even better airflow, optical clarity and insect protection.

Aluminum (charcoal wire): The most widely used metal for screens and is a great option for homes with pets or kids.

Screen Finishes

Lincoln screens are available in six metal finishes and four veneer wrapped finishes. Our color-matched PVC corner keys help keep interiors from scuffing during removal and installation. Special order colors may require additional lead time.

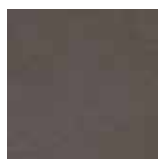
Metal Frame Finishes - Standard Colors



White



Coppertone



Bronze

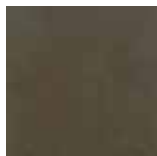


Black

Metal Frame Finishes - Special Order Colors*



Clear Anodized



Anodized Bronze

*May require additional lead time.

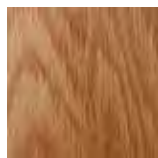
Veneer Wrapped Finishes



Alder



Fir



Oak



Pine

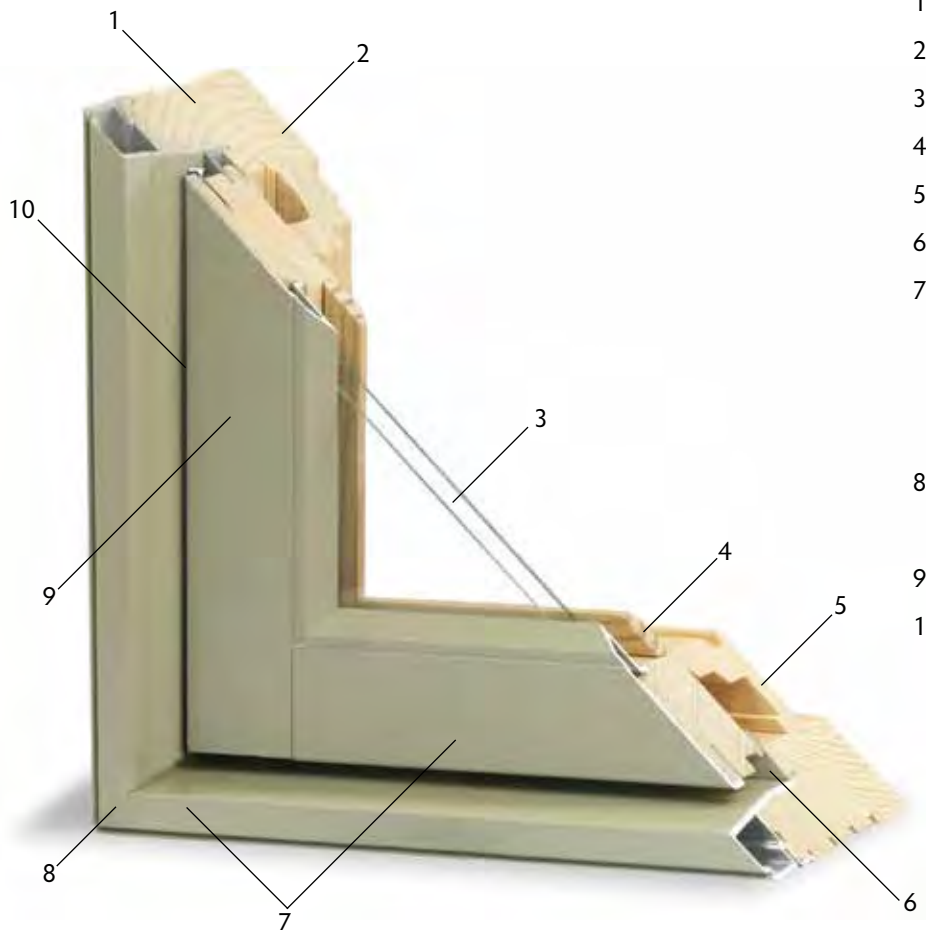


CASEMENT & AWNING WINDOWS

Available as a traditional cranking unit or as our increasingly popular push-out style, Lincoln casements and awnings have a lot to offer.

Casement and awning features include an architecturally pleasing recessed sash, mortise and tenon joinery, multi-point locking hardware with single handle activation and adjustable hinges.

Awnings can be mulled above or below a studio window or utilized as a standalone element. Because they are hinged at the top, awnings provide secure ventilation and shed water during a light rain.



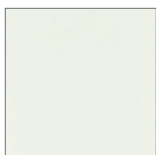
1. 4-9/16" jamb.
2. 1-3/16" thick side jambs, head and sill.
3. 7/8" warm edge insulating glass.
4. Interior wood glazing bead.
5. Maximum thickness sill cover.
6. Full surround weatherstrip on the frame.
7. .050 extruded aluminum on sash and frame. Vinyl exteriors utilize .050 extruded PVC vinyl. Wood units have primed sash on the exterior with cPVC, sill nosing and brickmould.
8. Injected frame corners on aluminum clad products with corner key for added stability.
9. 1-3/4" thick sash.
10. Foam weatherstrip on sash stiles and combination drip cap foam detail on top rail.

Available In
StormPoint



Hardware

Casement & Awning: Lincoln products feature a low profile folding handle, advantageous for use with some window treatments and provide lower clearance for removal of window screen. As standard, operating hardware (crank handle, operator cover and lever lock) are a soft coppertone color that blends well with most clear wood finishes. All casements feature adjustable hinge tracks for proper sash alignment.



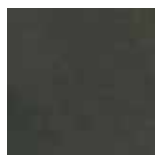
White



Coppertone



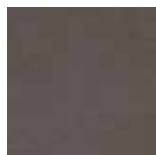
Polished Brass



Oil-Rubbed Brass



Satin Nickel



Bronze



Faux Bronze

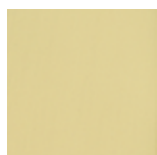
Screens

Retractable: Available on our traditional casement and our very popular push-out style casement, retractable screens roll up for convenient storage when not desired. Screens are operated with a simple touch and roll up with very little effort. Enjoy crisp clean interior lines because operating tracks are hidden with a wood cover.

Hinged: Designed for our push-out style casement products, Lincoln's hinged screen offers classic styling and excellent functionality. This screen option is supplied with an attractive color-matched knob for easy operation.

Push-Out Casement & Awning: Single handle for easy operation available in three finishes. Multi-point locking system directly routed into the stile for greater performance, security and durability.

3-point stainless steel high-friction washability hinges on top and bottom keep the window in place and allow access to clean the glass from the inside.



Polished Brass



Satin Nickel



Faux Bronze



Retractable Screen



Hinged Screen

Sash Limiters: Thinking safety? Lincoln offers safe and secure sash limiters. This release mechanism keeps the window from being opened no more than four inches, allows the window to be fully opened for quick emergency exits and resets automatically every time the window is opened - all meeting the requirements of ASTM F2090.



Styles



Traditional Casement: The Lincoln crank-out casement is a versatile design with exceptional architectural appeal, performance and strength built in. Available in many combinations of types and sizes, our casement line delivers outstanding value without sacrificing or limiting product options.

Stylish Truth brand operators function smoothly while opening the sash to a full 90° for maximum ventilation. Single-lever multipoint sash locks pull tight to a full perimeter weatherstrip for security against the elements. Heavy frames and sash components are standard.



Radius Top Casement: Lincoln casements with a radius design element are sure to add elegance and charm to any building project. Segment head casements and our traditional casements have matching sightlines so they can cosmetically complement each other.

Segment head operating windows combined with stationary units and studio picture windows create many design options. Exterior (outboard) hinges allow for easy operation. Radius interior trim is available for the finishing touch.



French Casement: Continental flavor is apparent in French casement windows – one window – two sash – one opening. French casements are available in standard twin casement width for vertical sight line presentations when used in combination with standard casement windows.

Their popularity is additionally increased due to egress code requirements for width. Operation, with dual operators and a single handle multi-point locking system is easy and secure.

Traditional Awning: As part of Lincoln casement family, traditional crank-out awning windows look great and perform efficiently year-after-year. Awnings match casement/studio profiles, are stackable and can be mulled above (as a transom) or below in multiple combinations.

Awning characteristics allow venting from the bottom and will shed light rain. Sash locks, located on the side jambs, pull sash tight to the frame weatherstripping and make traditional awning units very secure against turbulent weather.



Push-Out Casement and Awning: These windows are beautiful inside and out. The sash swings open with a simple turn of the handle, while the friction hinges keep it firmly in place whether fully or partially opened.

Traditional hinged screens add a historical touch-of-class and feature a color matched knob. Or, choose a retractable screen that rolls up when not needed, leaving a clear view of the outdoors.



Casement Bay and Bow: Casement bay and bow units offer contemporary styling, create a roomy feeling, increase ventilation and can be built in many combinations.

Bay units are constructed using three windows or more. Flankers are aligned with a center unit at 45° or 30° angles.

Bow windows typically feature a series of 3-6 casements mulled as a radius.

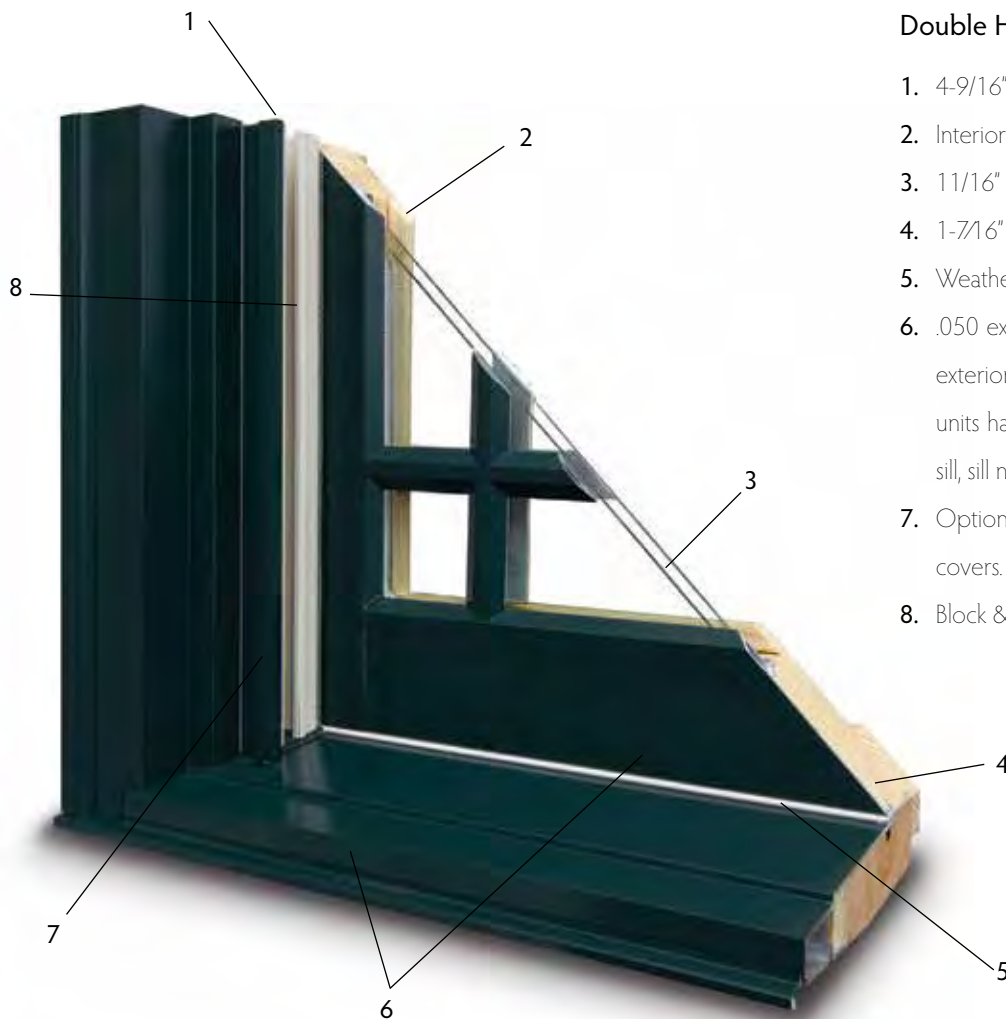
Bay/Bow windows may include factory-assembled head and seat boards and a cable kit to compensate for overhanging weight and aid in installation.



DOUBLE HUNG WINDOWS

Double hung windows are widely accepted because of excellent curb appeal, they are easy to open and uncomplicated to tilt and clean.

Lincoln double hung products may feature brilliant colors and grills to create exterior lines that look great for a conventional building theme. And because we use low-profile sash locks and tilt latches, interiors have an unobstructed view for crisp cosmetics. Enjoy both traditional exterior lines and beautiful, clean interiors-choose Lincoln double hung windows for your next project.



Double Hung

1. 4-9/16" jamb.
2. Interior wood glazing bead.
3. 11/16" warm edge insulating glass.
4. 1-7/16" thick sash.
5. Weatherstripped at head, sill and checkrail.
6. .050 extruded aluminum on sash and frame. Vinyl exteriors utilize .050 extruded PVC vinyl. Wood units have primed sash on the exterior with cPVC sill, sill nosing, blindstops and brickmould.
7. Optional color matched aluminum jambliner covers.
8. Block & tackle balance system

Available In
StormPoint

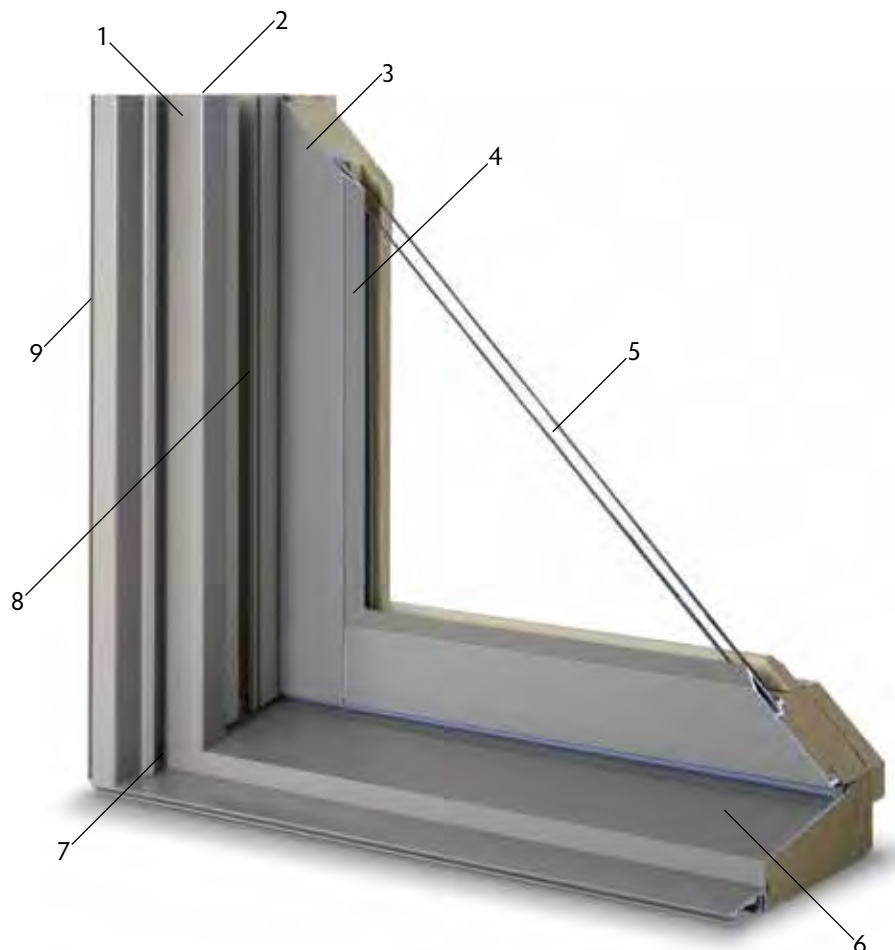


Sure to fit into every lifestyle, Lincoln's newest family of contemporary products combine attractive sleek lines without sacrificing performance. Common style and rail parts emphasize more visible glass area and create clean mull transitions with matching transoms and studio picture units.

As with all Lincoln double hungs, sash tilt easily for cleaning and are available in custom sizes. The recessed jambliner design is less visible from the exterior and incorporates an inverted block-and-tackle balance.

Lifestyle Double Hung

1. .050 extruded aluminum on sash and frame. Vinyl exteriors utilize .050 extruded PVC vinyl. Wood units have primed sash on the exterior with optional cPVC sill, brickmould and blindstop.
2. Full 4-9/16" jamb depth.
3. Contemporary sash profile.
4. Sloped putty-glazed styling.
5. 1 1/16" warm edge insulating glass.
6. Low-profile 8° sloped sill.
7. Integral screen channel.
8. Recessed jambliner with inverted block and tackle balance.
9. Full perimeter accessory groove.

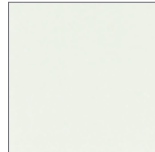




Hardware

Locks & Tilt Latches: Available in seven hardware finishes, two low-profile pick resistant locks are used on units with 32" glass and wider/taller. Units smaller than 32" have one lock.

Color matched double hung tilt latches are set into the check rail of the bottom sash and concealed in the top rail on the upper sash. Spring loaded, they release to tilt in with ease. Made to last and out of sight, these lock options are sure to please.



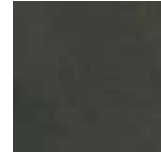
White



Coppertone



Polished Brass



Oil-Rubbed Brass



Satin Nickel



Bronze

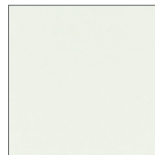


Faux Bronze



Sash Lift/Pull Handles: Our stylish lift/pull handles are available in three popular finishes that match sash locking hardware. They are also very easy-to-grab and easy to install after the interior finishing process is complete. These handles reduce damage from opening your windows by providing a solid area to grasp.

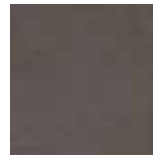
Not available for Lifestyle double hung



White



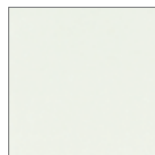
Coppertone



Bronze



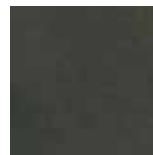
Sash Limiters: Thinking safety? Lincoln offers safe and secure sash limiters. This release mechanism keeps the window from being opened no more than four inches, allows the window to be fully opened for quick emergency exits and resets automatically every time the window is opened - all meeting the requirements of ASTM F2090.



White



Chrome



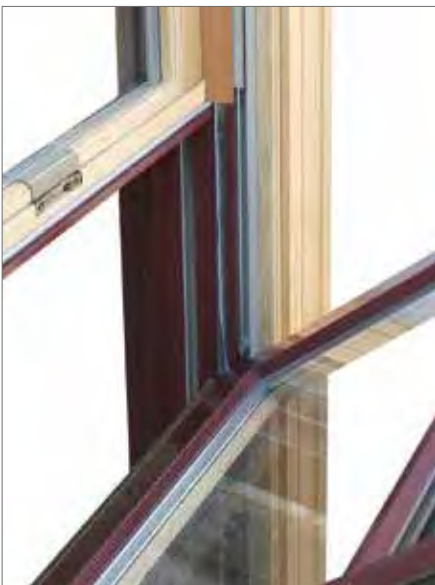
Oil-Rubbed Brass



Concealed Jambliner

Take the traditional design and elegance of the Lincoln double hung window a step further with the addition of our concealed jambliner upgrade.

From the exterior, the jambliner is concealed by color matched cladding. From the interior, the jambliner design utilizes a clear pine insert to give more wood warmth when the window is closed. Another great feature of this jambliner upgrade is the equal sash design. Both sash will share balanced dimensions and will allow the site lines to match up vertically.



Concealed Jambliner - Exterior View



Concealed Jambliner - Interior View



Standard Jambliner



Styles

Traditional Double Hung: This arrangement is an ageless window type that offers some unique advantages. Sash tilt in for easy cleaning, ventilation is improved by opening the top and bottom sash equally and classic historical appeal is achieved when using Lincoln double hungs.

Our traditional window is equipped with advanced energy saving features. For example, Lincoln double hung checkrails incorporate the use of interlocks, weatherstrip and high-quality sash locks for a precision fit.



Radius Top Double Hung: Built as a single hung, Lincoln segment head and quarter segment windows are part of our double hung family. By utilizing the same parts and simply fixing the top sash, radius top hung windows can be mixed with traditional double hungs to create exciting elevations.

As with all Lincoln radius shapes, interior trim is available for the finishing touch. Segment head windows include a half screen.



Double Hung Bay: What could be more exciting than installing a Lincoln double hung bay window at the heart of your room? This attractive window combination is sure to add both functionality and flare.

Bay units are constructed using three windows or more. Flankers are aligned with a center unit at 45° or 30° angles. Center units can consist of an operating double hung, mulled operators or studio windows.

Double hung bay windows may include factory-assembled head and seat boards and a cable kit to compensate for overhanging weight and aid in installation.

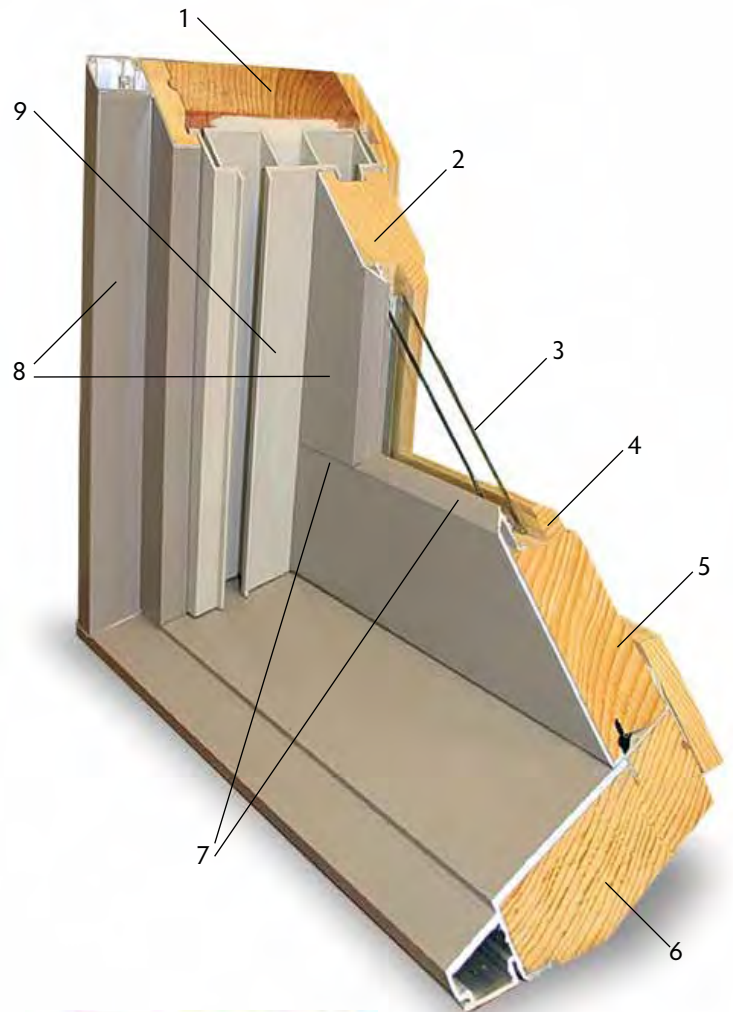


Searching for a really big window? The Lincoln Quantum double hung is the answer. Patterned after huge double hung windows typically found in older public buildings, the Quantum establishes its' value in both new traditional construction and the renovation of existing historical buildings. Quantum double hung windows are also available in a replacement kit package for replacement of existing over-size windows.

Not available in Harmony Collection.

Quantum Double Hung

1. 5-1/2" jamb.
2. 1-3/4" thick sash.
3. 7/8" warm edge insulating glass.
4. Interior glazing bead.
5. Historical 3-1/4" bottom rail.
6. 1-7/32" thick sill with 14° sill angle.
7. Mortise and tennon sash with putty-glazed style.
8. .050 extruded aluminum on sash and frame. Wood units have primed sash on the exterior with wood sill nosing and cPVC sill, blindstops and brickmould.
9. Heavy foam-backed PVC jambliners with four block and tackle balances per sash.



Hardware

Window Locks: Quantum sash locks are available in four finishes. It is a heavy-duty lock with alignment nubs that inset into the keeper. Typical Quantum double hung units have two locks.



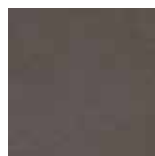
White



Coppertone



Polished Brass



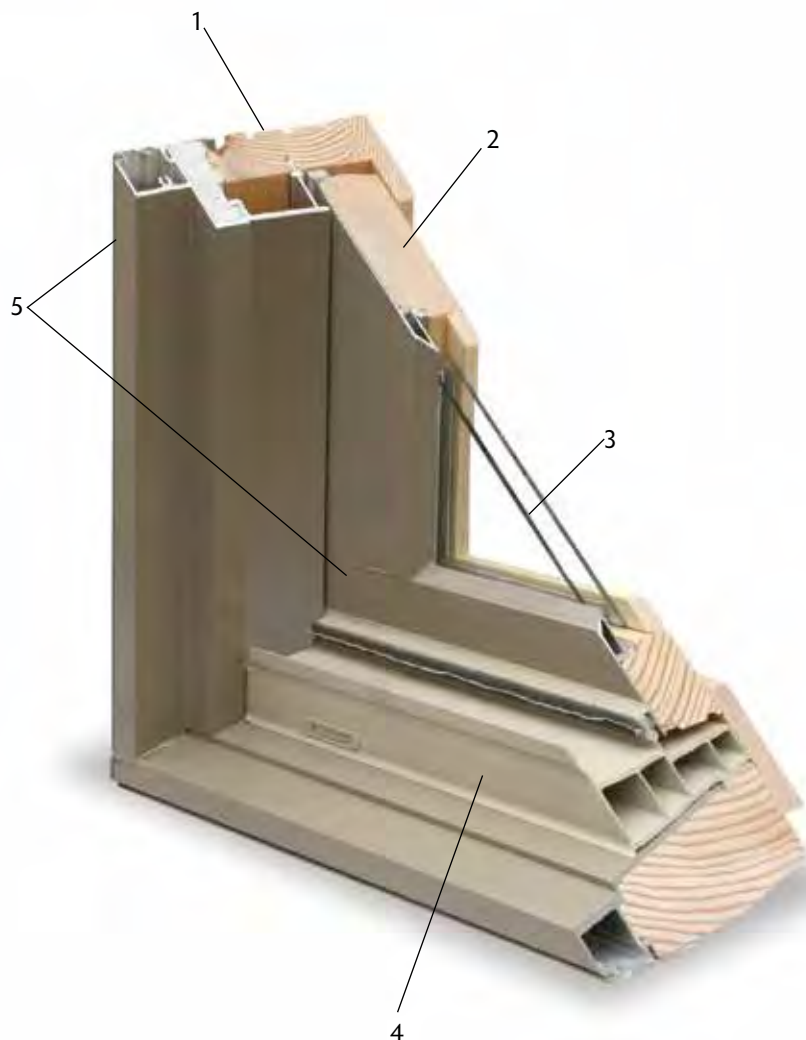
Bronze



GLIDER WINDOWS

Lincoln gliders are available as a single unit with one side fixed and the other operable or as a triple unit with operating sash flanking a studio center. Left or right handing for single units is specified at the time of order. Sash glide smoothly and evenly over a vinyl track for long-lasting trouble-free operation.

Also choose from a full or half screen option, seven hardware finishes, an array of exterior types and different interior wood species.



Glider

1. 4-9/16" jamb.
2. 1-7/16" thick sash.
3. 11/16" warm edge insulating glass.
4. Heavy extruded PVC sill track.
5. .050 extruded aluminum on sash and frame. Vinyl exteriors utilize .050 extruded PVC vinyl. Wood units have primed sash on the exterior with cPVC sill, sill nosing, blindstops and brickmould.

Styles

Traditional Glider: The gliders' main characteristic is its ability to slide easily on a heavy vinyl track. Lincoln gliders are the perfect utility window because they blend well with a twin casement from afar and are an exceptional value.

Our traditional glider is equipped with advanced energy saving features. For example, slider checkrails incorporate the use of interlocking sash, weatherstrip and high-quality locks for a precision fit.



Triple Glider: Lincoln's energy efficient triple glider is built to fill large openings and can be installed where casement windows, that project outward, are just not practical. Triple gliders operate from each end for excellent ventilation and utilize a studio center to capture your view.

Glider windows offer simple operation and are extremely durable because they have fewer moving parts. Triple gliders also reduce your energy consumption by featuring fully weather-stripped sash with interlocking checkrails.



Hardware

Locks & Tilt Latches: Available in seven hardware finishes, two low-profile pick resistant locks are used on units with 32" glass and taller. Units smaller than 32" tall have one lock.



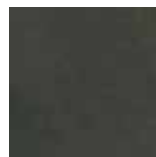
White



Coppertone



Polished Brass



Oil-Rubbed Brass



Satin Nickel



Bronze



Faux Bronze

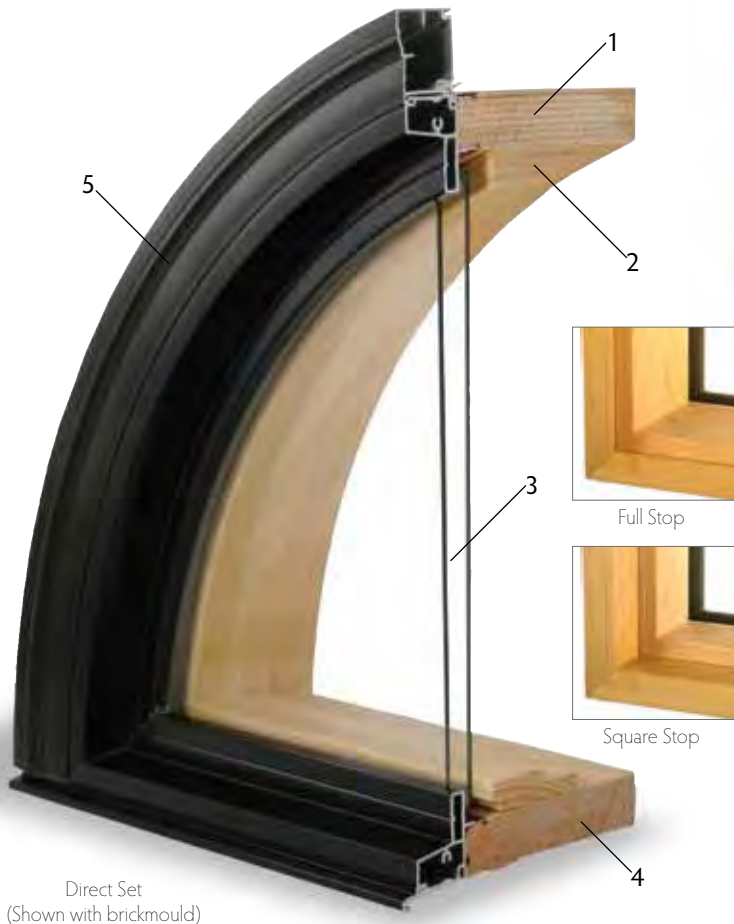


Modern architecture often includes higher sidewalls and open spaces. Filling a gable end with glass, including accent windows in a foyer or adding transoms to windows and patio doors has never been easier - we have just the right size and shape.

Lincoln offers rectangular & geometric units as well as radius products together totaling 20 different designs. Specialty windows can be complementary to our standard product or complete stand-alone windows.



Available In
StormPoint



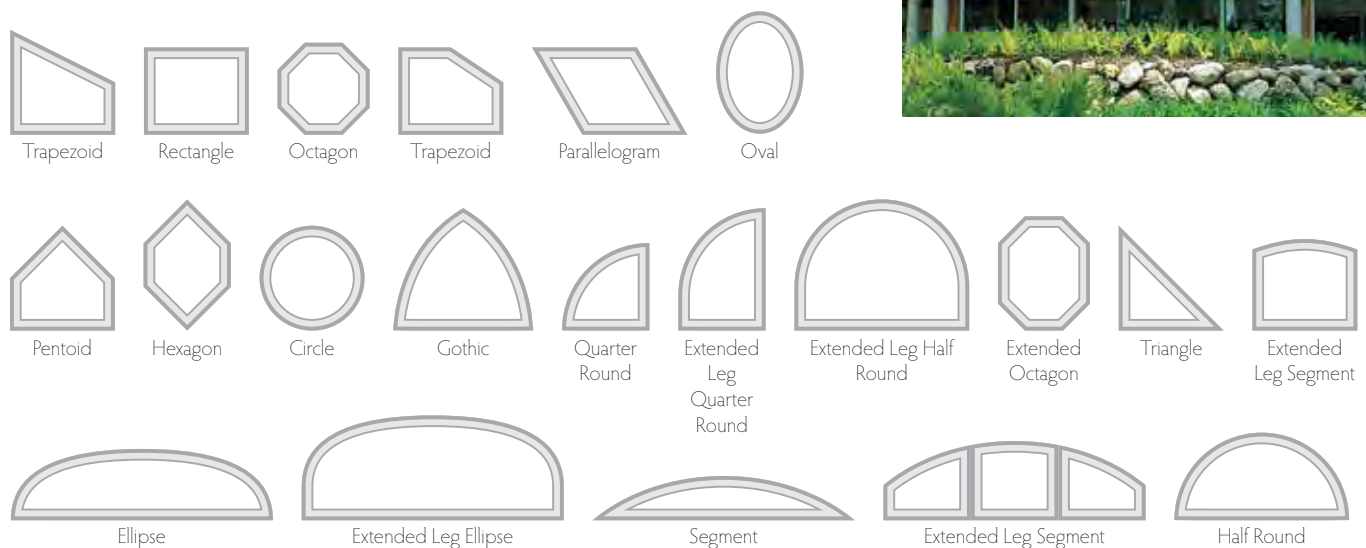
1. 4-9/16" jamb.
2. Interior wood glazing stop options.
3. 3/4" warm edge insulating glass.
4. 1" thick frame.
5. .050 extruded aluminum frame. Vinyl exteriors utilize .050 extruded PVC vinyl. Wood units have primed sash on the exterior with cPVC, sill nosing and brickmould.



Styles

Shaped Windows: Be exciting, distinctive and even a little daring by incorporating a curved shape into your next project! Choose an elegant half round style as the focal point of your elevation or an elliptical or a...well you get the idea. And that's just a small sample of what Lincoln's specialty department can do!

Lincoln specialty shapes are crafted from a CAD template and built as a direct set frame or a sash and frame style. Radius shaped interior trim is available in ten different profiles, providing superb fit and finish.





Direct Set: A direct set shape is best described by installing a piece of insulated glass 'directly' into its frame. This is the most cost effective means to purchasing a non-operating window. Lincoln direct set windows can be built in every shape we offer including radius products and geometric shapes.

Direct sets are custom-sized windows and can include: many grille types, ten interior trim profiles, six wood species, applied jamb extensions, interior prime or Lincoln's FinalFinish, StormPoint impact glazing, all glass options, and nearly any paint color.

Recent design trends led us to a contemporary style square stop profile - available on all direct set products.



Sash Set: A sash set Lincoln window employs a heavier look by adding a sash component with-in a frame (glass is glazed into a sash which is then installed into a frame). This design complements our operating units and is commonly used in combinations because glass sightlines match better.

Architecturally, a sash set is usually favored for its enhanced aesthetics. This type of window construction is both appealing and functional. View our options section for additional features such as: exterior trims, grilles, interior casings, colors and our many glass choices.



Studio Windows: The studio window is designed to compliment an operating unit as a mulled combination or they can stand alone. Because studios are often fairly large windows, they add a sense of openness to a room and often times are positioned for a great view of the outdoors.

Lincoln constructs fixed studio windows as a direct set or in a sash and frame design. This is a perfect unit for commercial projects when venting is not required or the window is inconvenient to reach. Non-operable windows are also very energy efficient.

Corner Windows: From the outside, corner windows help break up the visual mass of a home and provide unique architectural detail. From the interior, they provide a way to emphasize an incredible view or landscape while allowing sunlight to come in the room from separate directions throughout the day.

The Lincoln corner window is available up to a maximum 96" box width on one side and 72" box width on the other. Maximum box height is 96" with the overall square foot of glass size to not exceed 50 square feet per side.

The specialized center mull post is the significant design feature providing the structural support with minimal sight line interference. This mull post, with an extruded aluminum exterior cover, takes up only 3-1/16" of visual space from each direction.



Transoms: With taller ceiling heights and the popularity of great rooms, you need your windows and patio doors to look and feel in proportion to the design. You can always go with a taller window or door, but transoms offer an exceptional design opportunity. Not only do you get the benefit of more light, you add a key architectural element to your room.

Transoms may be split to align with the window or patio door configuration or can be a one-piece design that extends over the entire span. Our transoms are made to exacting standards and can be built with narrow and wide stiles to maintain site lines. When looking for a little extra style or flair, transoms are a simple and attractive solution for your taller window and patio door requirements.



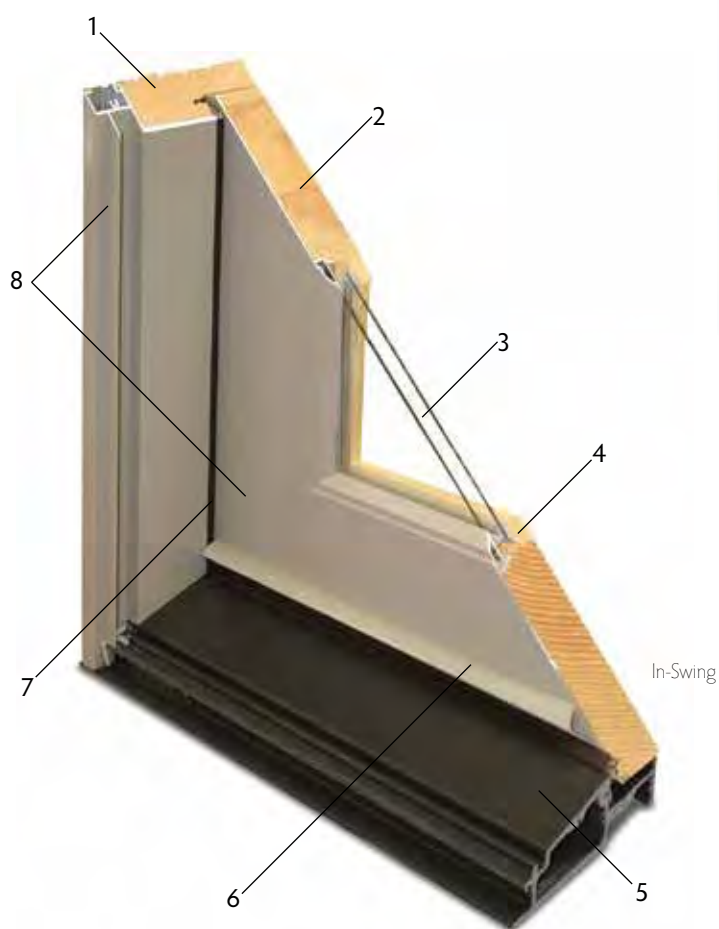
Sidelites and Operating Sidelites: Door sidelites are available for both slide and swing doors with a multitude of combinations. Sidelites for slide doors can be specified with narrow or wide stiles, are shipped factory assembled and in virtually any size.

If you require the convenience of ventilation for your swing patio door, add an operating sidelite. These units are manufactured as an independent frame that can be mull to a door or installed separately and are available with narrow or wide stiles. The HOPPE® thumb-bolt hardware and a 3-point locking system is available in the same ten finishes as our swing patio door. This stainless steel system provides protection from any panel warpage and is strong enough to support panels two feet in width.



Our most comprehensive door category, swing products are widely used for nearly every type of project including new construction, remodeling and light commercial. Swing doors are versatile, long-lasting and design friendly.

Beautiful Lincoln swing patio doors excel at capturing your scenic view, allow easy and secure access to outdoor spaces all while taking advantage of natural day-lighting.



1. 4-9/16" jamb.
2. 1-3/4" thick panels.
3. 3/4" tempered insulating glass.
4. Interior wood glazing bead.
5. .125 pultruded resin coated fiberglass sill in grey or dark bronze.
6. Panel drip edge.
7. Full surround weatherstrip.
8. .050 extruded aluminum on sash and frame. Wood units have primed panels on the exterior with cPVC brickmould.



Extended Jamb - Exterior
(Shown with 2" Brickmold)



ADA Sill

In-Swing Extended Jamb

Lincoln swing doors feature a 4-9/16" jamb depth that will accommodate an additional 2" clad extrusion to the exterior. Doors extended in this fashion will have full hinge travel on a 6-9/16" wall thickness. Additional interior wood jamb extensions are available for even thicker walls.

ADA Sill

Low profile sills are easily adaptable to our frame components making the Lincoln swing doors ADA code compliant and can be used in most light commercial applications.

ADA sills are constructed with extremely durable dark bronze anodized aluminum complete with a thermal break for better energy efficiency. This option is available in the 4-9/16" and 6-9/16" jamb depth.



Styles

In-Swing: Make a statement with Lincoln's most popular door product. In-swing doors blend with almost every architectural theme and they are incredibly stylish. Secure multipoint hardware makes a Lincoln in-swing door both beautiful and strong.

Adjustable hinges are standard (residential) and ball-bearing hinges (light commercial) are available. Easy operating sliding screens feature extruded framing for superior strength.

Out-Swing: Lincoln out-swing door products are packed with performance and are the platform for StormPoint impact rated doors. Simply put, the operating sash of an out-swing door gets pushed tighter against the frame weatherstrip during inclement weather.

Also, by swinging to a building's exterior, this type of door will not create an interruption to your interior décor. Durable oak thresholds are standard. Optional ADA compliant (low profile) thermally broken sills are available.



French: A French style swing patio doors' most distinguishable feature is its ability to have both panels operate. Lincoln offers extremely functional in-swing or out-swing models that can be used for passing large objects through. An active panel operates as the primary operator and the passive panel need only be utilized when you want the entire use of the net clear opening. French doors may also be configured with different panel widths. Offset panel sizes create an entrance style look with the functionality of a large net clear opening.

Our strong three-point hardware system looks great, locks securely and is available with either a handle activated bolt or choose head/foot bolts (dummy handle optional). French doors are available in 2-wide or 4-wide configurations.



Lifestyle Panel Option: Lincoln Patio Doors now have an option to have narrower stiles with the introduction of the our Lifestyle Panels. These panels feature a 4-13/16" bottom rail and 3-3/8" top rail and stiles. This narrow style or contemporary look creates a larger daylight opening. The modern site lines give any homeowner the ability to add their style throughout the home!

Lifestyle doors are available in In-swing, Out-swing and Fold-A-Way doors. In heights up to 9'0".

Radius Top: Enhance your home with a little curve appeal from Lincoln. By utilizing a segment top swing patio door in your design you incorporate a subtle accent that compliments almost any architectural theme.

The radius option, available in 6' radius only, can be used with both in-swing and out-swing patio doors. Select your radius top option for a single door or use it with our factory mulled side-lite combinations for a more dramatic statement.

Whether viewed from the curb or inside your home, the gentle slope of our radius doors have lasting design appeal.



Mid-Rail/ Wide Bottom Rail: Accessorize your swing doors by inserting an optional mid-rail. Rails run horizontally and can be located at virtually any height. Additional divisions are made by adding a vertical rail. The spaces created can be filled with raised/flat panels or glass. Mid rails sizes are 4-3/4 or 6-3/4 and may be used together on the same panel.

Three bottom rail choices add versatility to swing patio door panels. The bottom rail options include nominal measurements of 4-13/16", 7-3/16" and 12". Choose one of the bottom rails with any door height and design a door panel best suited for your project. Commonly used on taller residential doors and in light commercial applications, our durable 12" wide bottom rail allows ample room for a kick plate.



Flat Panel /Raised Panel: A panel option door is defined by inserting a horizontal and/or vertical mid-rail into our swing door panel. They are usually located on the lower part of the door sash and are customizable in size.

Flat panels are popular because of straight clean aesthetically pleasing lines. These panels are insulated with a painted extruded aluminum veneer exterior (Distinction Collection) and thick stain-grade wood interiors.

The stylish and architecturally friendly raised panel adds depth and feel to contemporary or traditional design themes. The raised panels for the Distinction collection are wood on both the interior and exterior surfaces with a durable polane paint finish on the outside to color-match the exterior cladding.



Options
Chart

	München	Ródos	New Orleans	Verona	Toronto	Athnai	Dallas
Backplates							
M374N	■	■	■		■		
M216N	■	■	■	■		■	
M3955N	■	■	■	■	■	■	
M3965N	■	■	■	■	■		
M2161N							■
Finishes							
Polished Brass	■	■	■	■	■	■	■
Antique Brass	■	■	■	■	■		
Oil-Rubbed Brass	■	■	■	■	■		
Matte Black	■	■	■	■	■		■
White	■	■	■	■	■		
Polished Chrome	■	■	■	■	■		
Brushed Chrome	■	■	■	■	■		
Satin Nickel	■	■	■	■	■	■	■
Antique Nickel	■	■	■	■	■		
Faux Bronze	■	■	■	■	■		
Dark Bronze Metallic							■
Polished Brass/ Brushed Brass						■	
Polished Chrome/ Brushed Stainless Steel						■	

Not all handles can be combined with all backplates. See the Options Chart for available combinations. Split-finish handle sets (backplate and base of handle are first finish and end of handle is second finish) of Polished Brass/Brushed Brass and Polished Chrome/Brushed Stainless Steel are not shown but are also available.

Hardware

Handles & Backplates: Our handles are manufactured using the finest quality brass alloys. The surface of the handle, except oil-rubbed, is protected by a transparent enamel finish which offers strength and durability as well as a smooth, blemish free surface. Oil-Rubbed has a "live" finish that changes over time. Strike plates match the handle set finish. Handle set options are identical for out-swing doors, however, the only offering for the strike plate and locked pin hinges is stainless steel.



White



Polished Brass



Oil-Rubbed Brass



Antique Brass



Satin Nickel



Antique Nickel



Brushed Chrome



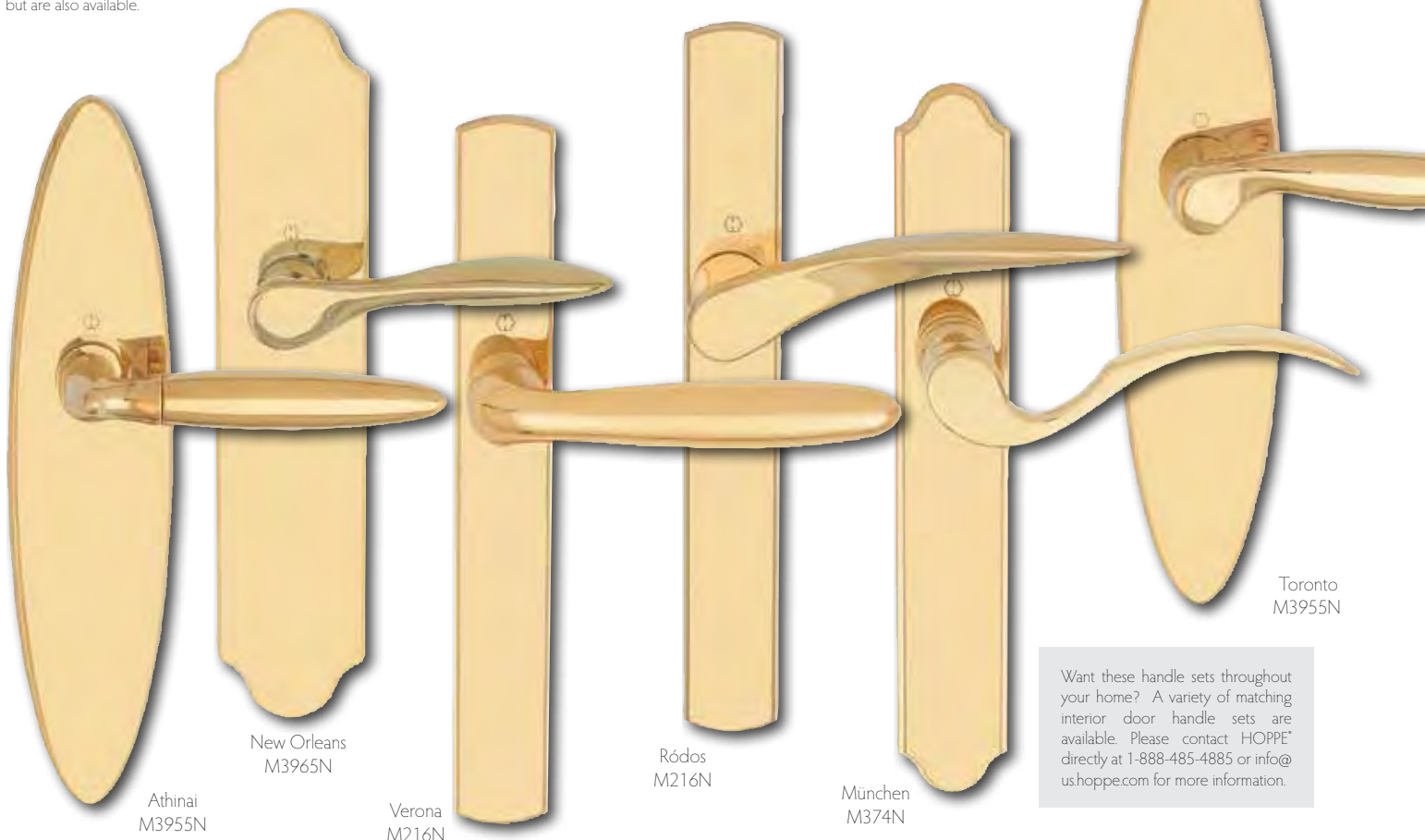
Polished Chrome



Faux Bronze



Matte Black

Athnai
M3955NNew Orleans
M3965NVerona
M216NRódos
M216NMünchen
M374NToronto
M3955N

Want these handle sets throughout your home? A variety of matching interior door handle sets are available. Please contact HOPPE® directly at 1-888-485-4885 or info@ushoppe.com for more information.

Dallas HOPPE®: Introducing Lincoln's newest patio door handle set, the Dallas is clean, crisp and has contemporary charm! This modern hardware, featuring straight square lines, is the perfect touch for today's building aesthetic. Available only with the M2161N backplate.



Dark Bronze
Metallic



Matte Black



Satin Nickel



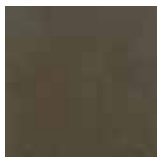
Polished Brass

HOPPE® Bronze: Want a handle set that will make your patio door extraordinary? HOPPE® bronze will do just that. Each handle set has a "live" finish that changes over time. To achieve this unique finish, the cast bronze alloy is tumbled in rocks and water and given a patina finish through oxidation and hand-rubbed with oils and waxes.

These handle sets are available in antique bronze or dark bronze, with a New Orleans or Missoula handle and a B2161 or B3741 backplate.



Antique Bronze



Dark Bronze

3-Point Hardware: Multi-point hardware has several tangible benefits and that's exactly why we make it standard on every door! Activating the point system creates a tighter seal, maintains straight door panels and is an added security measure. Passive doors are equipped with a bolt system that engages securely into the head and sill.

Hinges: The standard hinges are adjustable with a secure non-removable pin to ensure smooth operation. Hinges are available in the same ten finishes as our swing patio door handle sets, plus gold powder coat, grey powder coat and four special order finishes. In-Swing patio doors come standard with gold powder coat finished hinges. Standard for out-swing patio doors is brushed chrome.

For light commercial applications, we offer high quality 4" ball bearing hinges in many beautiful finishes. These heavy duty architectural hinges feature stylish radius corners.



4" Commercial Hinge



Standard Hinge



Missoula
B3741

New Orleans
B2161

Additional Standard Hinge Finishes

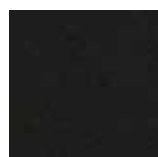


Gold
Powder Coat



Grey
Powder Coat

Special Order Hinge Finishes*



Bronze Anodized



Resista®
Satin Nickel



Resista®
Antique Nickel



Resista®
Polished Brass

*May require additional lead time.

46 FOLD-A-WAY PATIO DOORS

Distinctive rooms require an exceptional door system. Lincoln fold-a-way doors, when completely opened, leave a stunning unobstructed view. Multiple configurations consist of stacking panels and may include an operable out-swing panel.

Numerous out-swing configurations are available anywhere from one to eight panels in each direction and can include an access panel. The innovative hinge system enables all door panels to be made the same size regardless of the door configuration.

See examples at our website:
www.lincolnwindows.com.

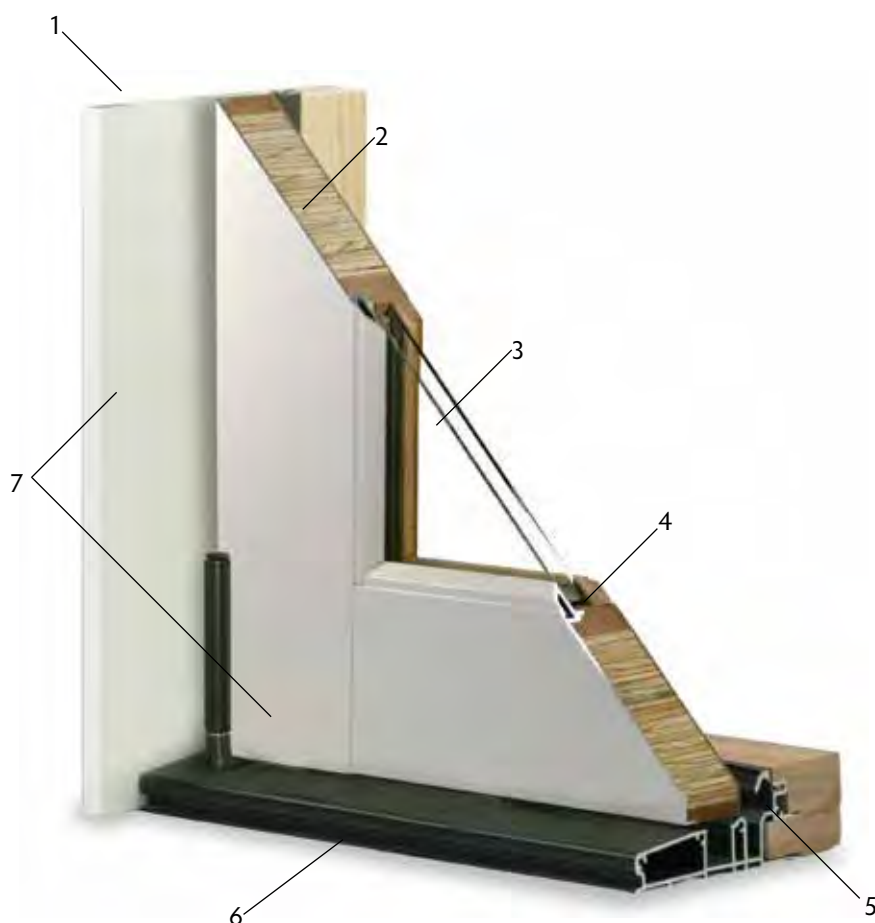


	Specifications
Maximum Panel Width	35-13/16"
Maximum Panel Height	105-1/4"
Maximum Number of Panels	8 each direction (47.75' opening)
Maximum Panel Weight	220 lbs. each
Door Panel Thickness	1-3/4"

NOTE: When using maximum door width and height, door may exceed maximum door weight. Calculated weight check should be done.

1. 6-9/16" jamb.
 2. 1-3/4" thick panels.
 3. 3/4" tempered insulating glass.
 4. Interior wood glazing bead.
 5. Full surround weatherstrip.
 6. .080 extruded aluminum sill (shown) or recessed sill option.
 7. .050 extruded aluminum on panels and frame.
- Wood units have primed panels on the exterior with cPVC brickmould.

Not available in Harmony Collection



Hardware

Track, Guide Channel and Sill: The Fold-A-Way patio door is a top mounted track system allowing the weight of door to be carried on the header. The bottom guide glides with minimal effort in a polypropylene floor channel lining allowing a smooth, almost silent rolling action. A low threshold guide channel is available for internal applications - no obtrusive door sill, just a recessed track in the floor.

Carriers, Guides and Pivots: Carriers, guides and pivots use the highest grade stainless steel rollers and bearings. Floor guides and floor pivots are offset so the floor guide channel is located directly under the door panels when they are closed. This system is beneficial from an aesthetic perspective and reduces the opportunity for dust and debris to enter the channel.

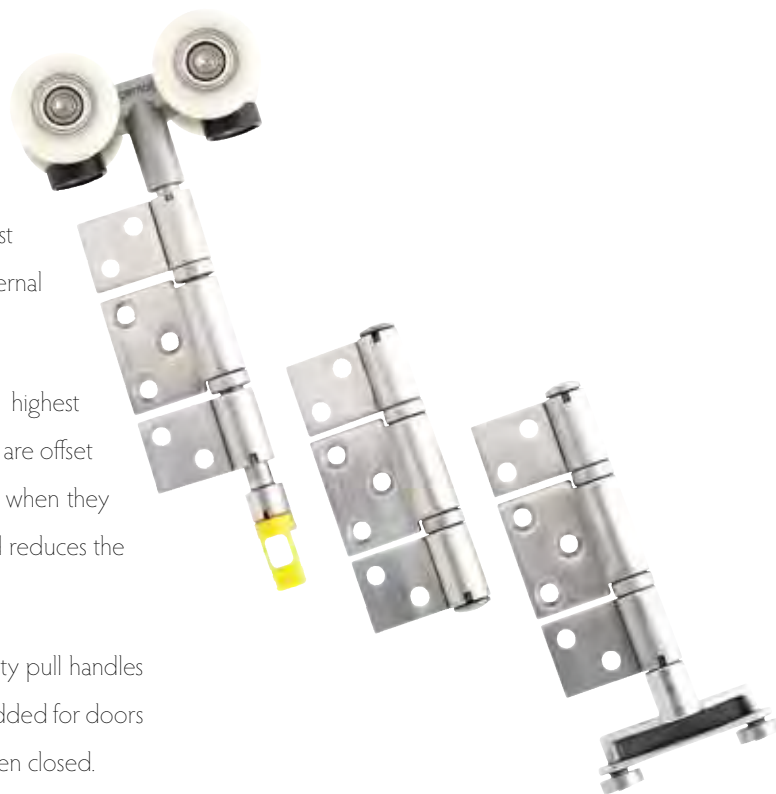
Pull Handles, Hinges and Dropbolts: Our doors include heavy-duty pull handles and hinges. Door panels come standard with three hinges, a fourth is added for doors over 7'4". Flush-mounted dropbolts firmly anchor the door panels when closed.

Handles & Backplates: Fold-a-way door systems utilize exactly the same high quality HOPPE® hardware found on all Lincoln swing patio doors. The benefits include: matching styles, color continuity and the keyed alike feature.

Styles

Mid-Rail: Mid rails can be specified in two sizes, 4-3/4" or 6-3/4", and may be used together on the same panel.

Panel Bottom: Available as flat or raised, panels can be single or subdivided into a double panel configuration by placing a mid-rail vertically. Door panels are insulated.



Screens

All screens are made-to-order and specially configured for each Fold-a-way door system. They are available for openings up to 24' wide x 9' high and feature load balancing technology for effortless operation while remaining firmly in any chosen position until further pressure is applied. Screens store easily into its own frame when a clear opening is desired.

The tough PVC-coated polyester mesh used in the screen is hard wearing, resistant to damage, easy to clean and can be replaced if necessary. Choose a single function or double functioning system where six mesh options are available.

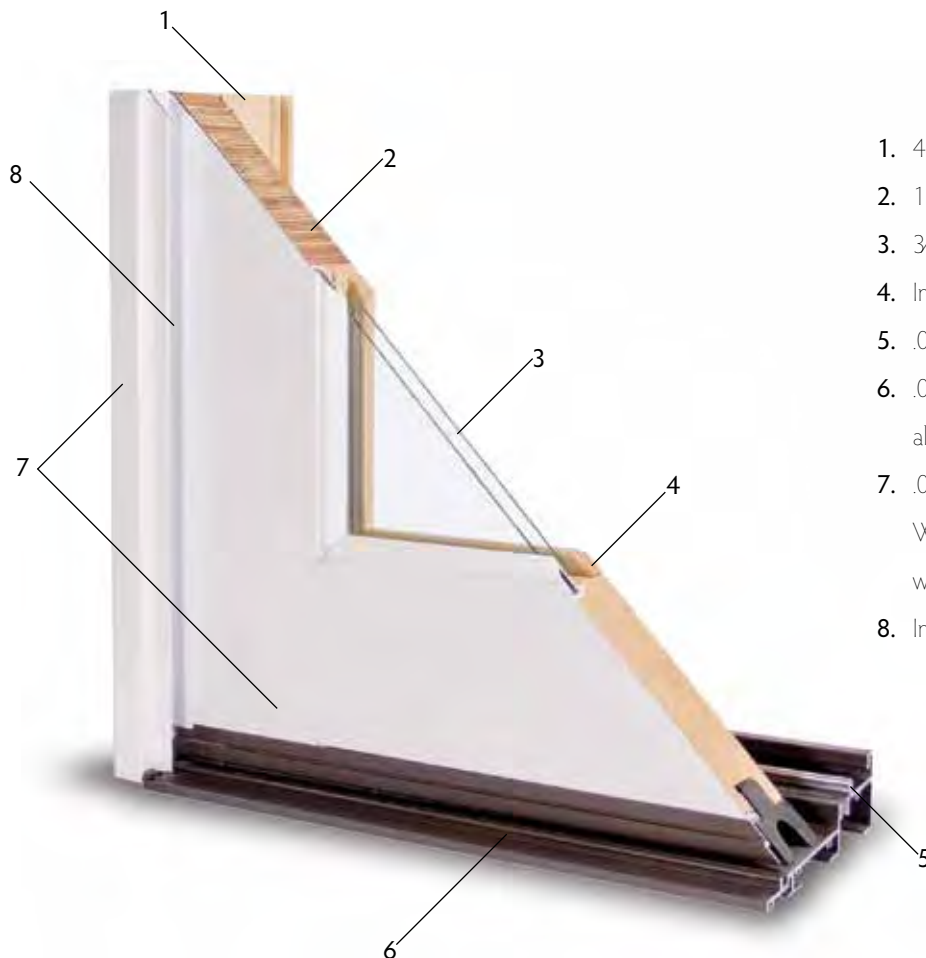
Screen Mesh Options



SLIDE PATIO DOORS

Featuring wide or narrow styles, our slide doors are a beautiful combination of practicality and performance. Light up your room and keep the weather outside all while avoiding the clearance needed with a swinging patio door.

Harmony doors feature vinyl inside and out with three color choices that match our aluminum clad offering. If energy performance is vital, rely on our Harmony Collection to deliver exceptional thermal properties. Vinyl doors won't rot or decay in high-moisture areas leading to long-lasting durability.



1. 4-9/16" jamb.
2. 1-3/4" thick panels.
3. 3/4" tempered insulating glass.
4. Interior wood glazing bead.
5. .022" stainless steel roller track cover.
6. .080 thermally-broken dark bronze extruded aluminum sill.
7. .050 extruded aluminum on sash and frame.
Wood units have primed panels on the exterior with cPVC brickmould.
8. Integral screen channel.

Styles

Narrow Stile/Wide Stile: Constructed with contemporary narrow stiles and rails, traditional sliding patio doors provide the most visible glass of all our door products. Slide doors continue to be a popular design for tighter spaces and are minimally invasive because an open panel simply covers the fixed portion.

No room for a swinging door! Then compliment your home with an elegant wide stile slide door from Lincoln. Our wide stiles feature more wood than a traditional slide door and become the perfect choice when using an alternate wood species.

Screens

Sliding patio door screens offer a heavy-duty extruded frame channel available in all our aluminum clad colors. There are adjustable rollers on top and bottom. Screen mesh options include BetterVue, UltraVue and aluminum.

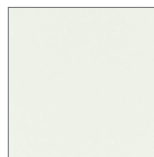


Hardware

Rollers & Handles: Slide patio doors feature a dual lock and keeper system with an optional keyed lock. This 2-point hardware securely engages the heavy-duty keeper by latching both upward and downward. Door panel glide easily on durable ball-bearing rollers.

Standard Handle: The Allure Handle set is both functional and attractive, with its painted metal available in white, sandstone, adobe or faux bronze. Keyed cylinders are optional.

Handle Option: Signature handle sets are available in twelve finishes. If there is more than one door on a project, they may be ordered keyed alike. The latch mechanism is dual point, latching both up and down to resist forced entry by lifting the panel. Finishes can be color coordinated with swing doors. Keyed cylinders are standard.



White



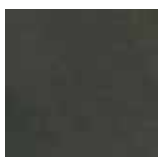
Adobe



Sandstone



Polished Brass



Oil-Rubbed Brass



Antique Brass



Satin Nickel



Antique Nickel



Brushed Chrome



Polished Chrome



Faux Bronze

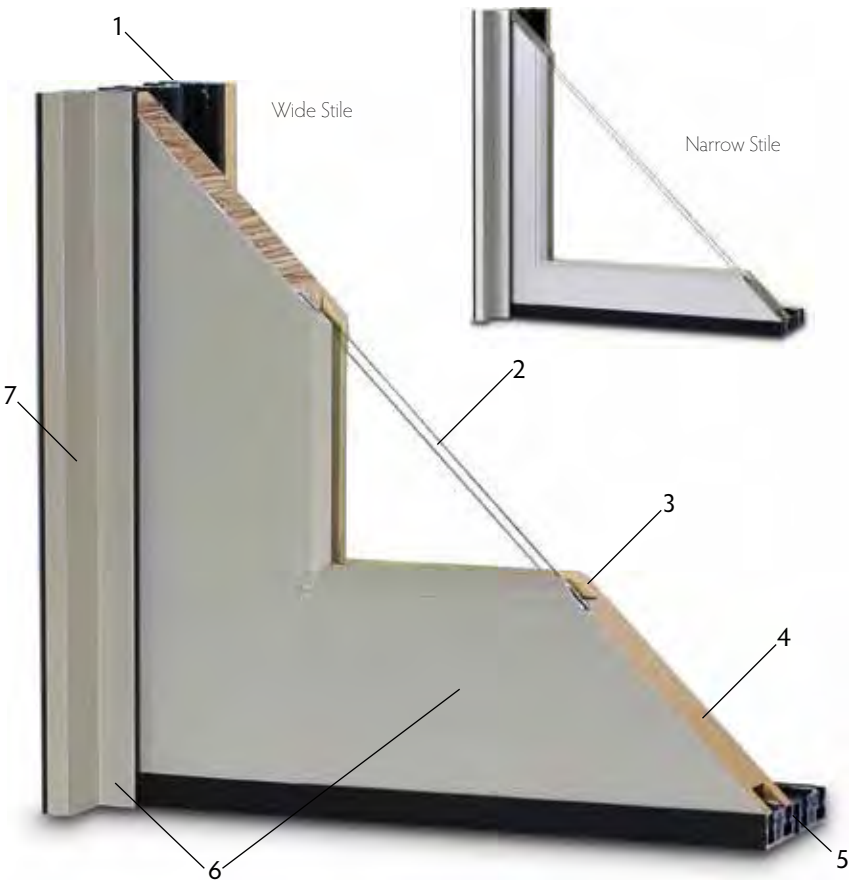


Matte Black

Lincoln's Slide-A-Way patio door is an extremely versatile system designed where immense areas of glass are desirable. A closed door will highlight elegant wide-stile panels or emphasize thin sight lines when using our narrow stile options.

Available in configurations from one to ten panels, this is the ideal product for covering a span nearly 38 feet wide with the option to slide panels totally from one side and open fully in one direction, either left or right handed, or function as a bi-parting unit. Bi-parting doors have opposing panels meeting in the middle of the door utilizing an astragal at the connection point.

See examples at our website:
www.lincolnwindows.com.



	Specifications
Maximum Panel Width	48-1/2"
Maximum Panel Height	105-1/4"
Maximum Number of Panels	10 Panels
Door Panel Thickness	1-3/4"
Approx. Maximum Width	38'
Maximum Height	108-3/16"
Minimum Roof Overhang	96"

- 1. Attractive color-matched frame fillers (head and side jamb).
- 2. 3/4" tempered insulating glass.
- 3. Interior wood glazing bead.
- 4. 1-3/4" thick panels.
- 5. Thermally-broken bronze anodized sill.
- 6. .050 extruded aluminum on panels and frame.
- 7. Frame width accommodates from 1 to 10 panels.

Not available in Harmony Collection

Hardware, Rollers and Track System

Lead panels feature a lever pull for stacking doors and flush pulls on a pocketing system. Both come standard with a 2-point locking gear. Adjustable and durable polypropylene rollers glide quietly.

The aluminum clad modular frame and track can be thermally broken creating less cold conduction if needed. The low profile sill tracks are available staggered or full width with a double fin weather-strip. Staggered track systems can be almost hidden by floor coverings. A weep system is also available.

Doors are very easy to install under a recommended 8 ft. overhang. Slide-A-Way patio doors are completely set-up, then disassembled and packaged for shipping.

Panels

Multi-slide interlocking door panels are 1-3/4" thick, fully weatherstripped and contain 3/4" tempered insulated glass.

Panel Options

Narrow Stile: Leave more glass area to capture your view with our narrow sash perimeter. Minimalist designers can enjoy door products with a contemporary look that won't diminish options in door size, grills, glass or exterior colors.

Wide Stile: Create the perfect sliding doors with a swing door appearance-the stile widths are identical in size. Wide stiles look substantial, create a sense of security and are often favored when selecting one of our special wood species.

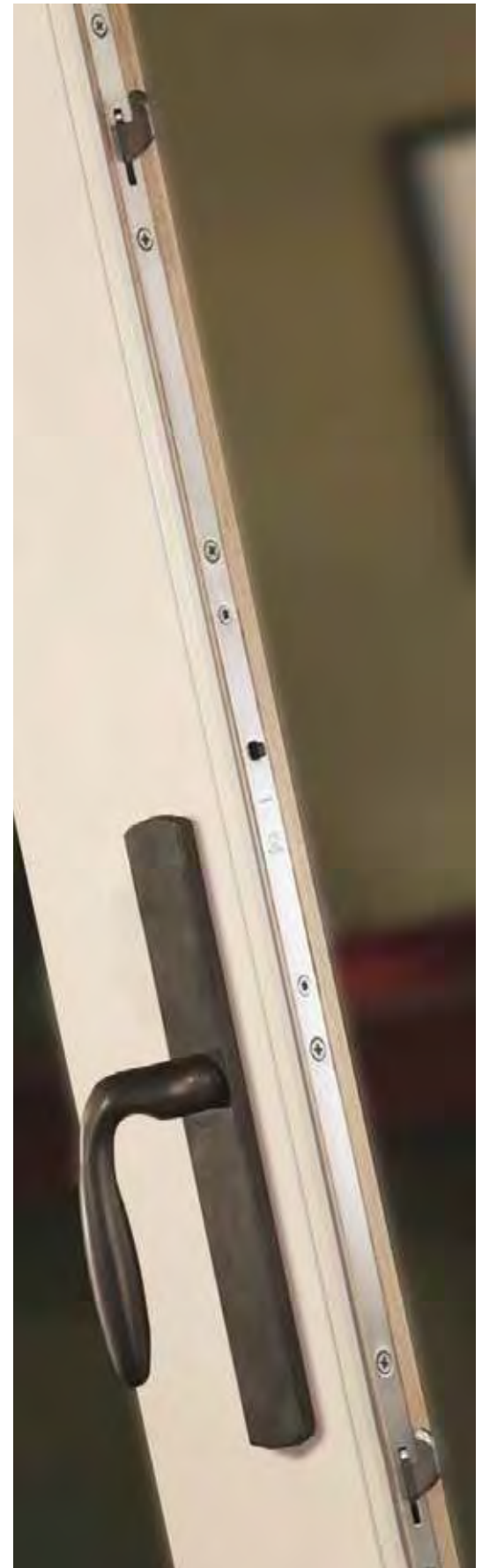
Operational Choices

Stacking: The stacking system allows all operating panels to fit over the end stationary panel. Door jamb widths will vary with the number of panels/tracks utilized. A pull handle is commonly used with this door for an additional design element.

Pocketing: Doors disappear fully into a specially designed wall cavity. A pocketing arrangement employs a flush lock permitting the locking panel to completely slide out-of-sight. What remains is an entirely open space.

Unidirectional: Sliding system operates totally in one direction.

Bi-Parting: Operating panels oppose to operate and join in the center with an astragal.



Our Slide-A-Way patio doors are manufactured with Slide Works™ hardware. For detailed information, visit Slide Works™ website at: www.slideworksusa.com.



Revitalize
REPLACEMENT WINDOWS & PATIO DOORS

OUT WITH THE OLD AND IN WITH THE NEW!

Do you live with any or all of the following: (1) high energy bills due to heat loss in the winter and heat gain in the summer, (2) fogging glass or water damage caused by condensation, (3) chipping paint or rotting wood, (4) difficulties with opening and cleaning, (5) excessive air and noise penetration, (6) fading window coverings, carpet and upholstery? You don't have to!

Over the years, windows and patio doors can become worn from continual use and exposure to the elements. In addition to being hard to operate and looking unattractive, they are not usually energy efficient. By simply replacing old windows and patio doors, you can easily eliminate these problems and increase the energy efficiency, comfort, appearance and value of your home - all in record time with little or no inconvenience to daily living.

Whether your remodeling project consists of replacing a few windows, adding on a room, bringing your home up to code or making historical renovations, we have the product that will meet your exacting specifications. Revitalize your home!

CALL: 800.967.2461



Take your old, drafty, hard to operate, inefficient windows and update them with all of today's technology and styles. Over the years, the sash, balance systems and hardware of a window may wear out, while the trim and frame can remain in good condition. Lincoln makes updating these windows a snap by offering three replacement window options, the Lincoln Fit double hung, Lincoln Fit casement and the Double Hung Replacement Kit. You can easily increase the energy efficiency, comfort, appearance and value of your windows in record time with little or no inconvenience to daily living.



Lincoln Fit Insert Windows

Window replacement doesn't have to mean ripping out the old window and damaging drywall. The Lincoln Fit is designed to be installed from the interior or exterior of the home with minimal disruption to the existing frame and trim. Every Lincoln Fit is custom sized to your exact specifications, ensuring a perfect fit for your window opening. This versatile product is available for double hung, casement, transom and picture window replacements.

Double Hung Replacement Kit

Even huge jobs become small projects with the Double Hung Replacement Kit. There is no reason to replace or even disturb the interior or exterior trim. The replacement kit utilizes the existing window frame in combination with snap-in jamb liners and energy efficient sash. Since we offer custom sizing, finding the right size replacement for your project is easy.





KEEPING YOUR FAMILY AND YOUR HOME SAFE.

StormPoint impact windows and patio doors are scientifically researched, engineered and tested to meet and exceed increasingly stringent coastal regulations. At Lincoln, our products are manufactured to your exacting specifications for a combination of beauty, quality and performance in almost any application or condition.

StormPoint products protect the structural integrity of your home or business by building on a successful Lincoln window platform. The basic premise: start with the foundation of an already high performing Lincoln product and make it stronger. This was done by using specifically designed reinforcements and laminated glass while incorporating heavy duty hardware.

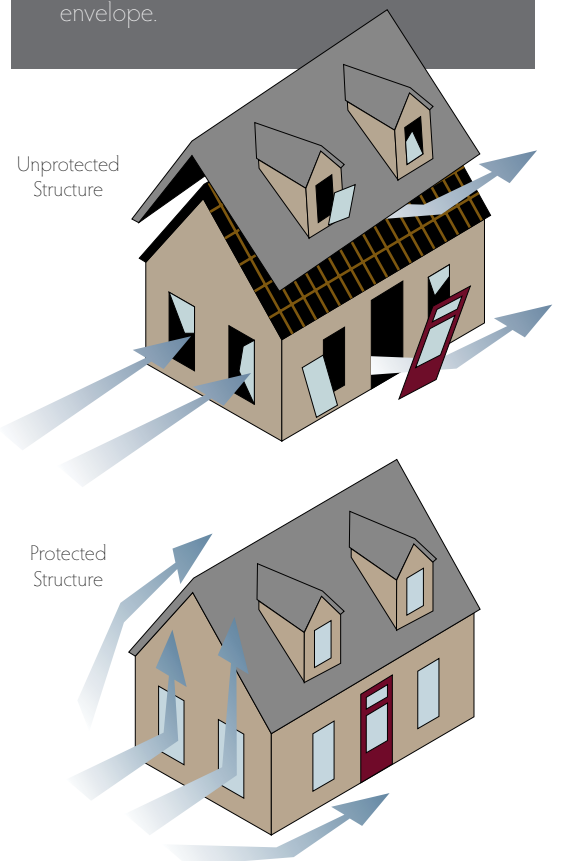
Performance engineered windows and patio doors - our specialty. Quality products, vast options and on-time deliveries - our commitment. Satisfied customers - our mission!



During windstorms and hurricanes, wind-borne debris is common. Debris slams into windows, and following impact, windows may be subjected to sustained gusting winds. To protect a building or residence, windows and patio doors must resist penetration by debris and remain in place and intact throughout the storm.

If the building envelope is breached, through a broken window or patio door, wind may enter the building causing an increase in pressure that could lift the roof and push the walls outward.

Results show that specially designed laminated glass products pass wind-borne debris impact tests. When broken, glass fragments tend to remain integral by adhering to the plastic interlayer, helping to preserve the stability of the building envelope.



Product Selection

Casements: 1-Wide, Studio, Transoms

Awning: 1-Wide

Double Hung: 1-Wide, Studio, Transoms

Specialty: Direct Set - 26 Shapes, Sash Set - 22 Shapes

Out-Swing Door: 1-Wide, 2-Wide, 2-Wide French, Narrow Sidelite, Transoms, 1-Wide, 2-Wide and 2-Wide French Segment Head, Wide Style Sidelite Quarter Segment

Certified mulls are available.

Costal Regulations - Products approved for use in Texas (Texas Department of Insurance) and Florida (Florida Department of Community Affairs).



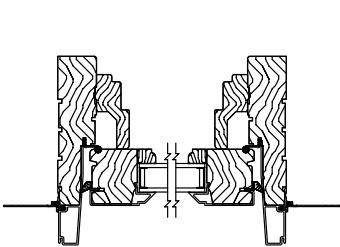
Technical Data

The variations of the entire product offering from Lincoln windows and patio doors and the ability to customize with options and accessories make them vastly visually appealing. However, there is also a performance criterion to be met in the world of design and construction. Prototype products are tested and re-tested during the design stage. Finished products are certified independently to ensure that the product presented to the marketplace meet requirements set forth for their use. Lincoln is constantly reviewing designs to meet customer needs and ever-changing performance requirements.

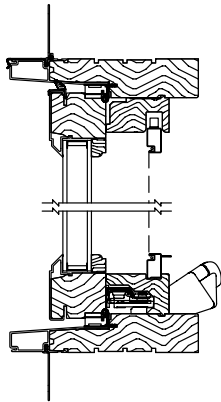
The following information provides an overview of Lincoln Technical Data for use by specifiers, builders and informed consumers. Note: Lincoln Wood Products, Inc. reserves the right to change specifications without notice. Please contact a Lincoln dealer or the factory for pertinent data.

Casement

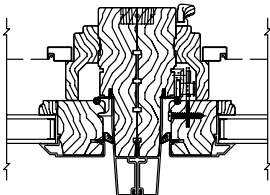
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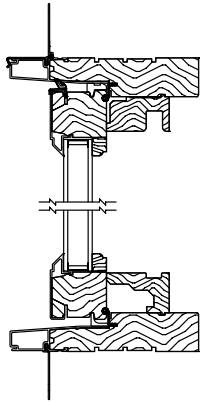
Clad Horizontal Section



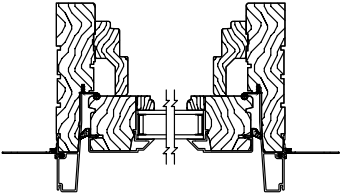
Clad Vertical Section



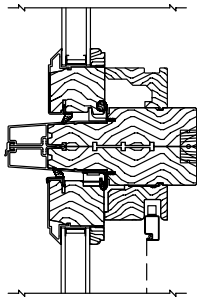
Clad Vertical Mull Horizontal Section



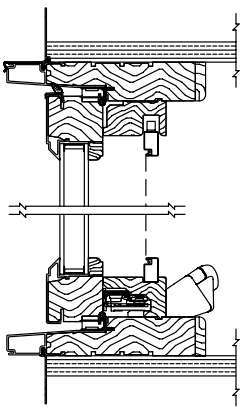
Clad Picture Vertical Section



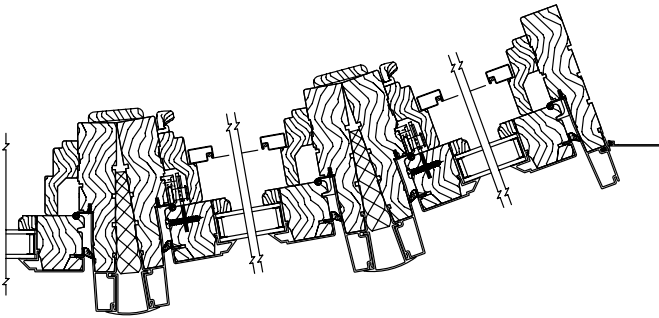
Clad Picture Horizontal Section



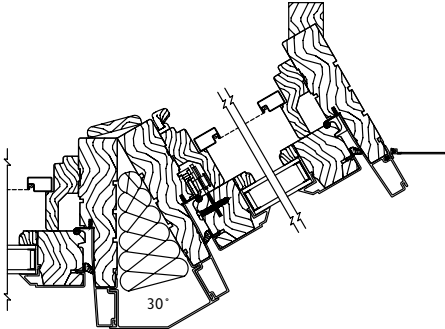
Clad Horizontal Mull Vertical Section



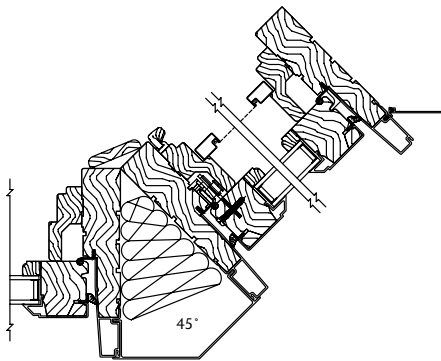
Clad Bow & Bay Vertical Section



Clad Bow Horizontal Section



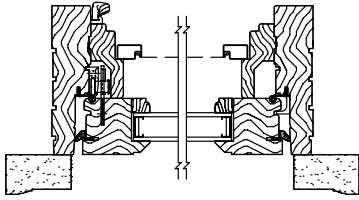
Clad 30° Bay Mull Horizontal Section



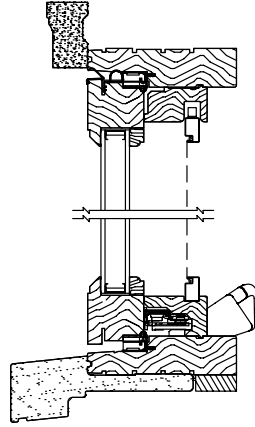
Clad 45° Bay Mull Horizontal Section

Casement

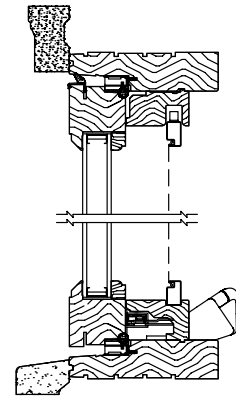
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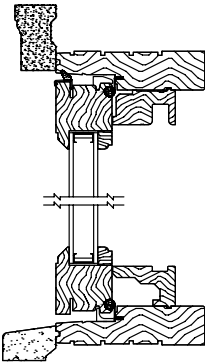
Primed Horizontal Section



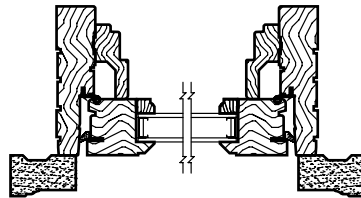
Primed with 2" Sill Nosing
Vertical Section



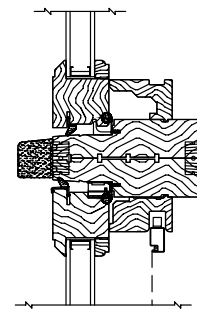
Primed Vertical Section



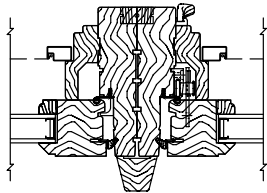
Primed Picture
Vertical Section



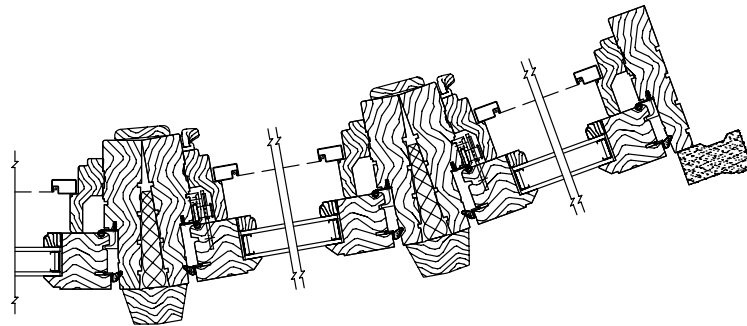
Primed Picture
Horizontal Section



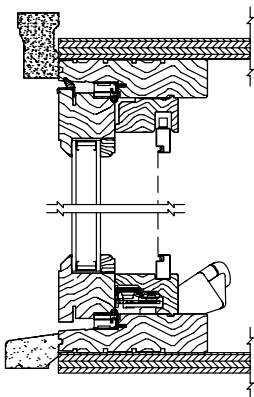
Primed Horizontal Mull
Vertical Section



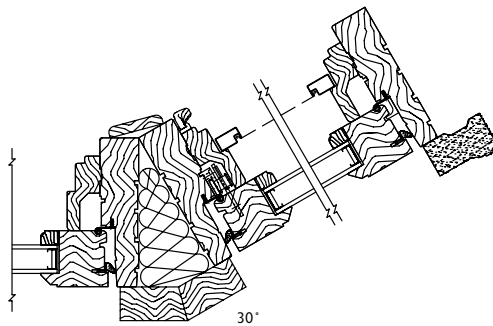
Primed Vertical Mull
Horizontal Section



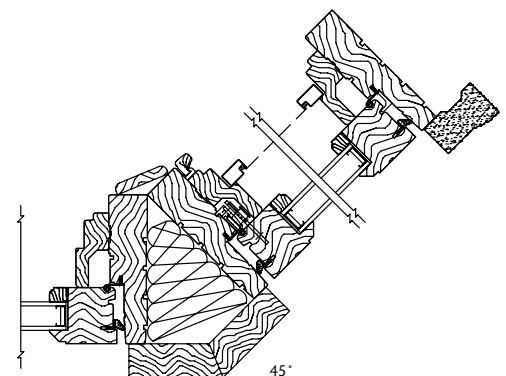
Primed Bow Mull Horizontal Section



Primed Bow & Bay
Vertical Section



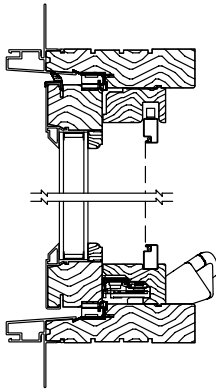
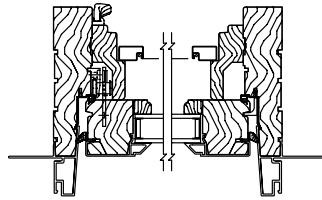
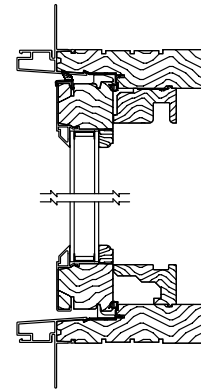
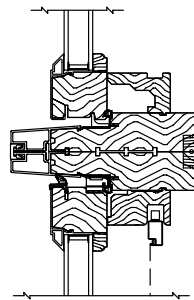
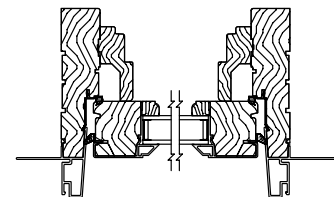
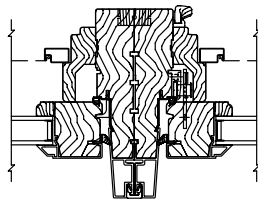
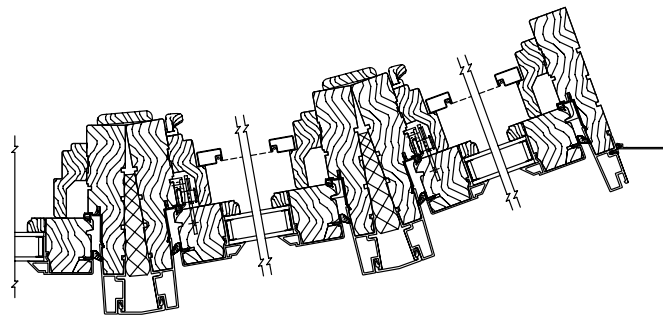
Primed 30° Bay Mull Horizontal
Section



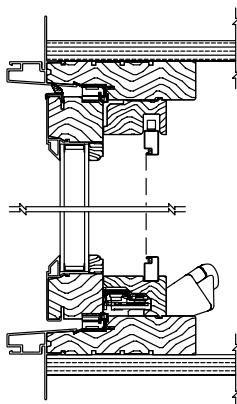
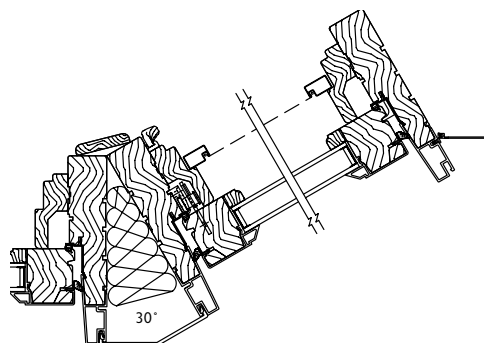
Primed 45° Bay Mull Horizontal
Section

Casement

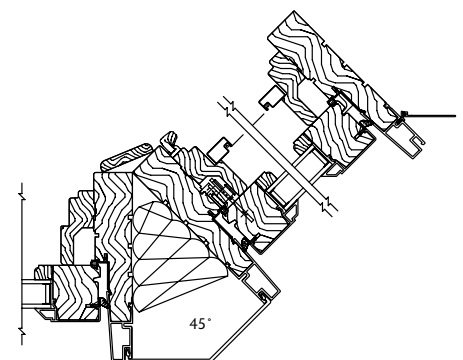
Scale: 2"=1' (all sections)

Vinyl Clad
Horizontal SectionVinyl Clad
Vertical SectionVinyl Clad Studio Unit
Vertical SectionVinyl Clad Horizontal Mull
Vertical SectionVinyl Clad Studio Unit
Horizontal SectionVinyl Clad Vertical Mull
Horizontal Section

Vinyl Clad Bow Horizontal Section

Vinyl Clad Bow & Bay
Vertical Section

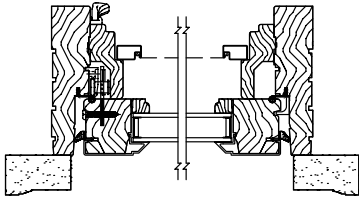
Vinyl Clad 30° Bay Mull Horizontal Section



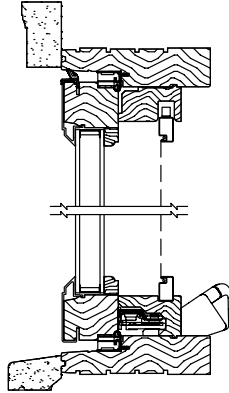
Vinyl Clad 45° Bay Mull Horizontal Section

Casement

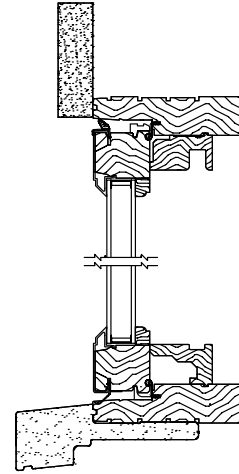
Scale: 2"=1' (all sections)



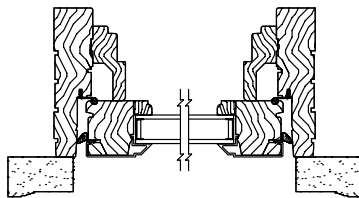
Hybrid with Clad Sash
Horizontal Section



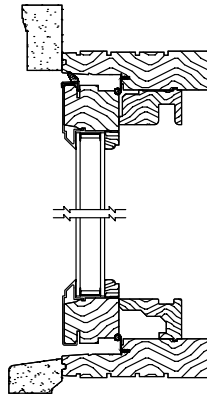
Hybrid with Clad Sash
Vertical Section



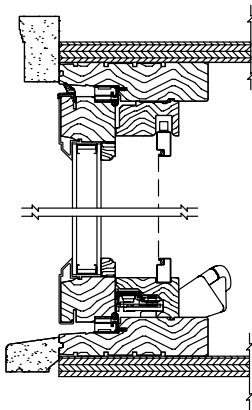
Hybrid with Clad Sash
and 2" Sill Nosing
Vertical Section



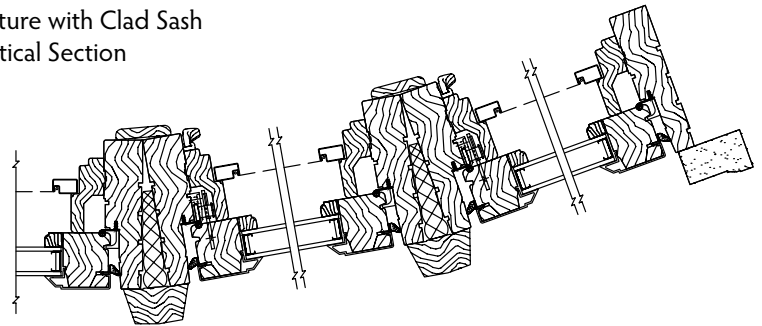
Hybrid Picture with Clad Sash
Horizontal Section



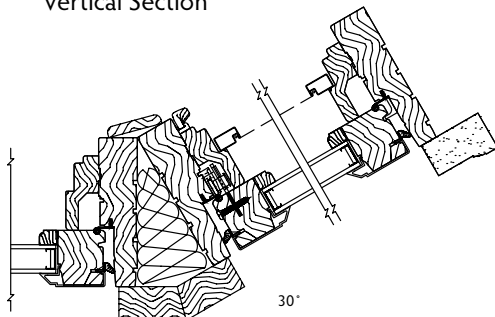
Hybrid Picture with Clad Sash
Vertical Section



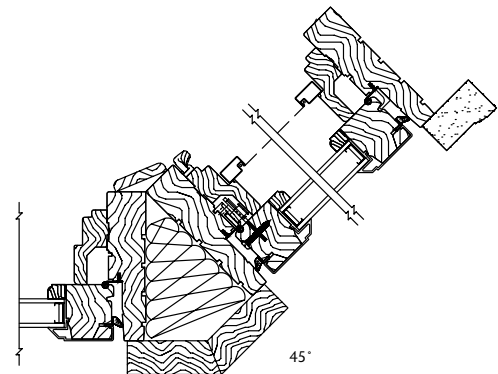
Hybrid Bow & Bay
with Clad Sash
Vertical Section



Hybrid Bow with Clad Sash
Horizontal Section



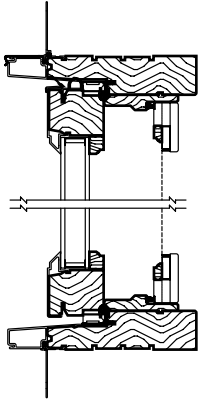
Hybrid 30° Bay Mull with Clad Sash
Horizontal Section



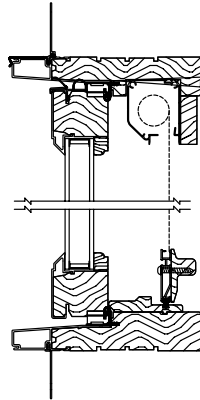
Hybrid 45° Bay Mull with Clad Sash
Horizontal Section

Casement - Push-Out Hardware

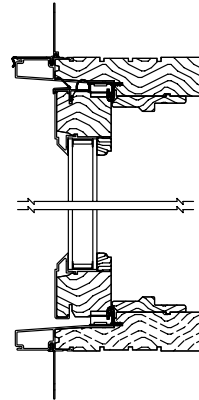
Scale: 2"=1' (all sections)



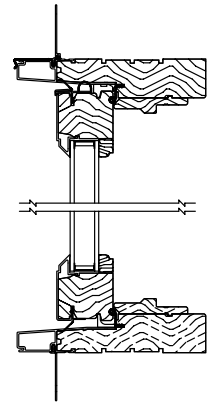
Clad Push-Out with
Wood Screen
Vertical Section



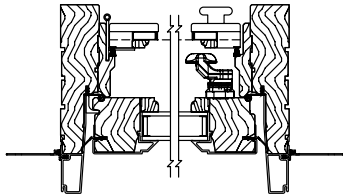
Clad Push-Out with
Retractable Screen
Vertical Section



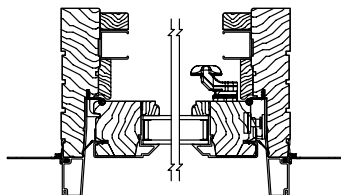
Clad Push-Out with
No Screen
Vertical Section



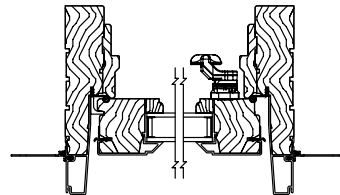
Clad Push-Out Picture
Vertical Section



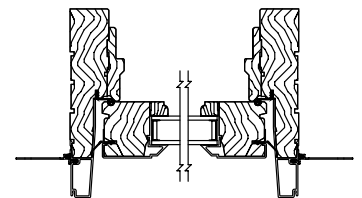
Clad Push-Out with
Wood Screen
Horizontal Section



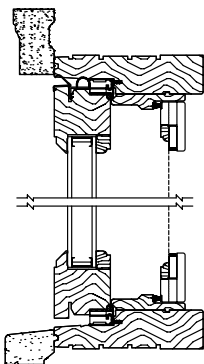
Clad Push-Out with
Retractable Screen
Horizontal Section



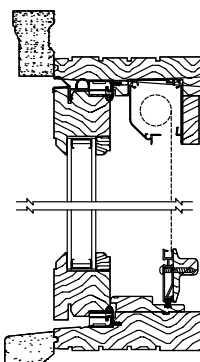
Clad Push-Out with
No Screen
Horizontal Section



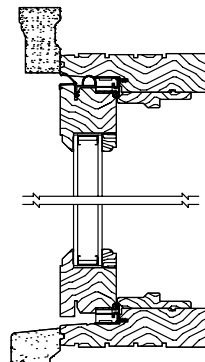
Clad Push-Out Picture
Horizontal Section



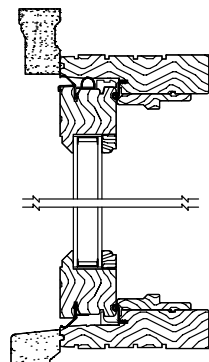
Primed Push-Out with
Wood Screen
Vertical Section



Primed Push-Out with
Retractable Screen
Vertical Section



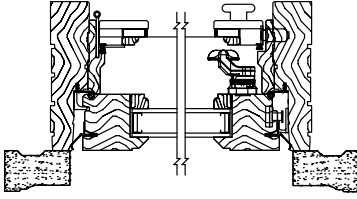
Primed Push-Out with
No Screen
Vertical Section



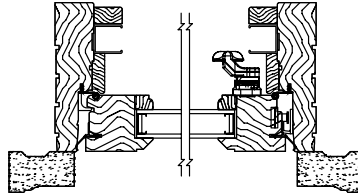
Primed Push-Out Picture
Vertical Section

Casement - Push-Out Hardware

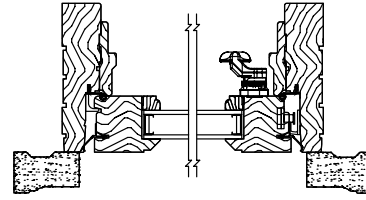
Scale: 2"=1' (all sections)



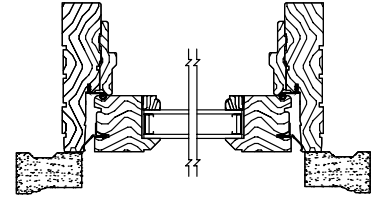
Primed Push-Out with
Wood Screen
Horizontal Section



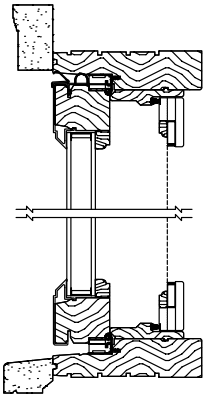
Primed Push-Out with
Retractable Screen
Horizontal Section



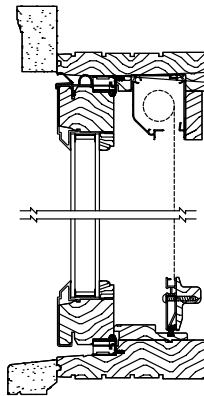
Primed Push-Out with
No Screen
Horizontal Section



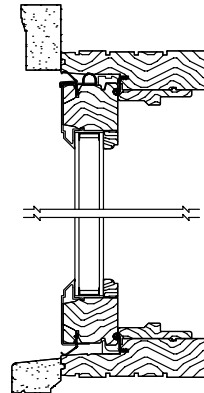
Primed Push-Out Picture
Horizontal Section



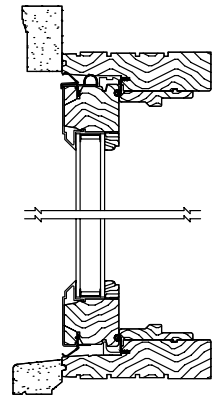
Hybrid Push-Out with
Clad Sash and Wood Screen
Vertical Section



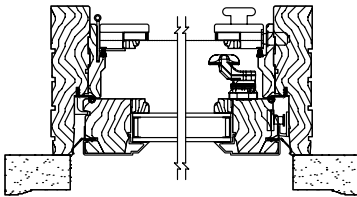
Hybrid Push-Out with
Clad Sash and Retractable Screen
Vertical Section



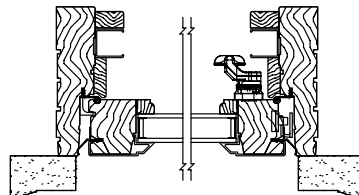
Hybrid Push-Out with
Clad Sash and No Screen
Vertical Section



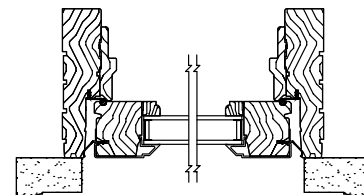
Hybrid Push-Out Picture
with Clad Sash
Vertical Section



Primed Push-Out with
Wood Screen
Horizontal Section



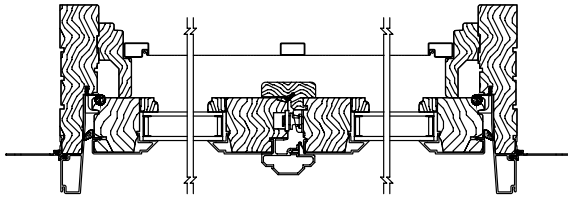
Primed Push-Out with
Retractable Screen
Horizontal Section



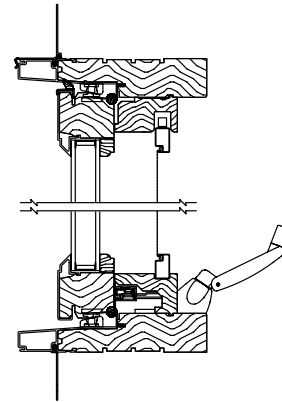
Hybrid Push-Out with
Clad Sash and No Screen
Horizontal Section

French Casement

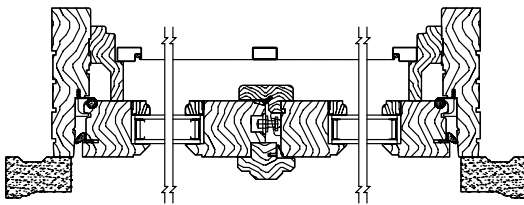
Scale: 2"=1' (all sections)



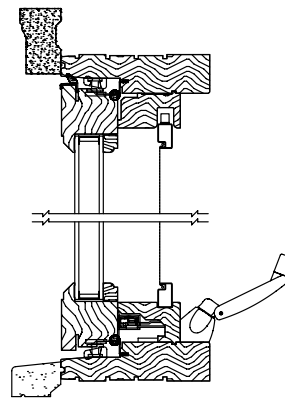
Clad Horizontal Section



Clad Vertical Section



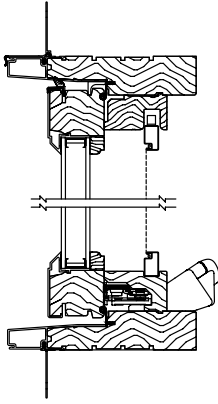
Primed Horizontal Section



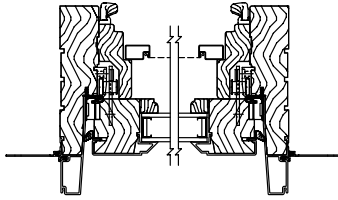
Primed Vertical Section

Awning

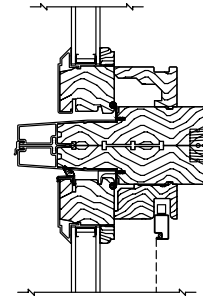
Scale: 2"=1' (all sections)



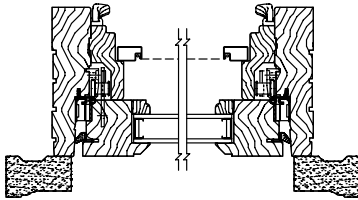
Clad Vertical Section



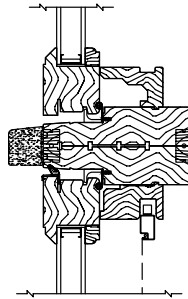
Clad Horizontal Section



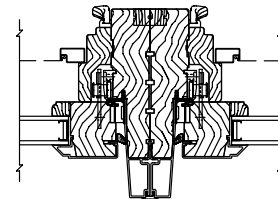
Clad Horizontal Mull
Vertical Section



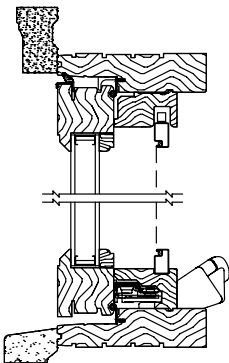
Primed Horizontal Section



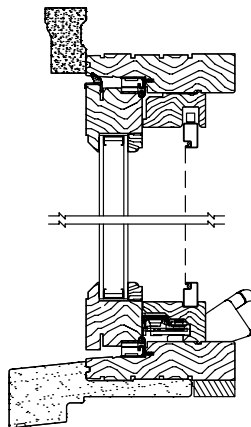
Primed Horizontal Mull Picture
Vertical Section



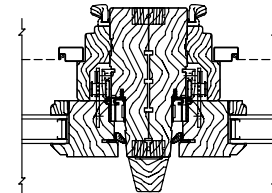
Clad Vertical Mull
Horizontal Section



Primed Vertical Section



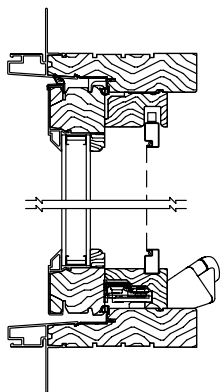
Primed w/ 2" Sill Nosing
Vertical Section



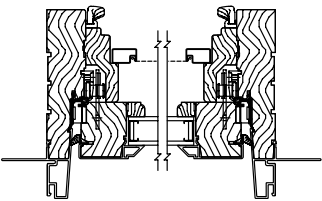
Primed Vertical Mull
Horizontal Section

Awning

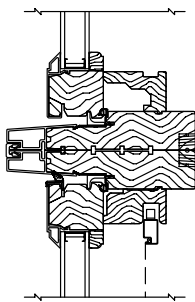
Scale: 2"=1' (all sections)



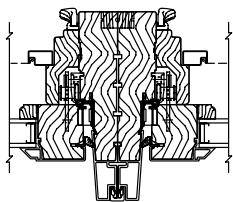
Vinyl Clad
Vertical Section



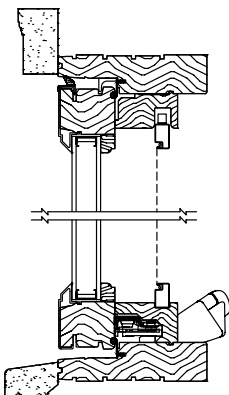
Vinyl Clad
Horizontal Section



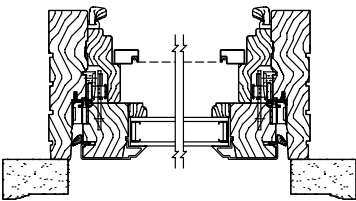
Vinyl Clad Horizontal Mull
Vertical Section



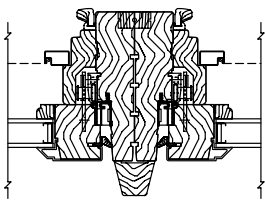
Vinyl Clad Vertical Mull
Horizontal Section



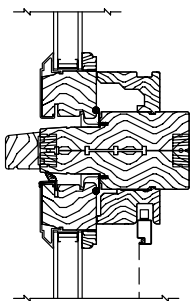
Hybrid with Clad Sash
Vertical Section



Hybrid with Clad Sash
Horizontal Section



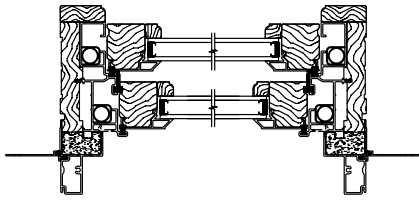
Hybrid with Clad Sash
Vertical Mull
Horizontal Section



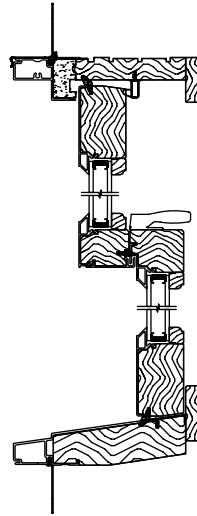
Hybrid with Clad Sash
Horizontal Mull
Vertical Section

Double Hung

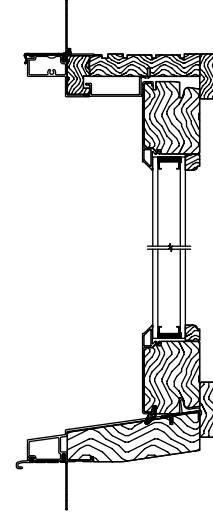
Scale: 2"=1' (all sections)



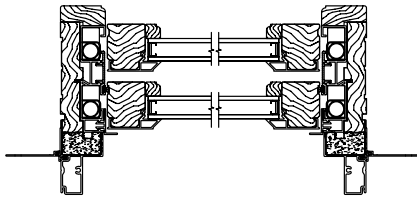
Clad Horizontal Section



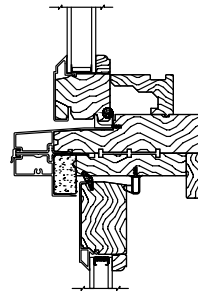
Clad Vertical Section



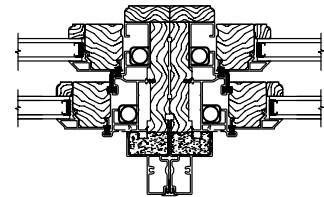
Clad DH Studio Vertical Section



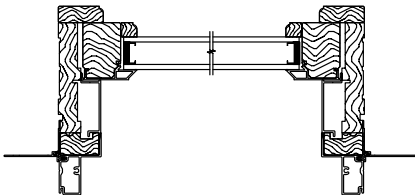
Clad Double Hung
Concealed Jambliner Upgrade
Horizontal Section



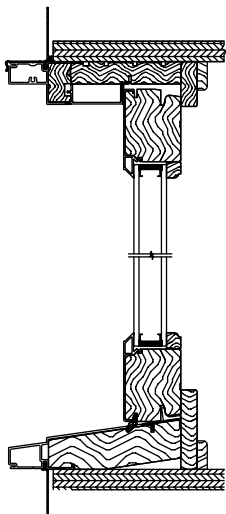
Clad Horizontal Transom
Mull Vertical Section



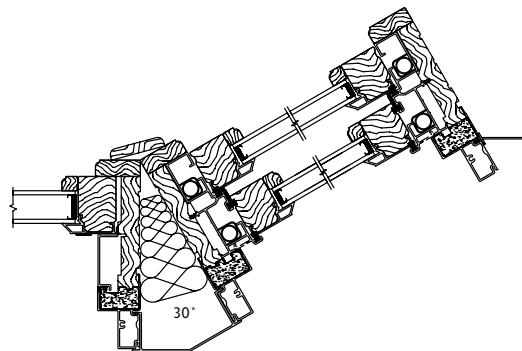
Clad Vertical Mull
Horizontal Section



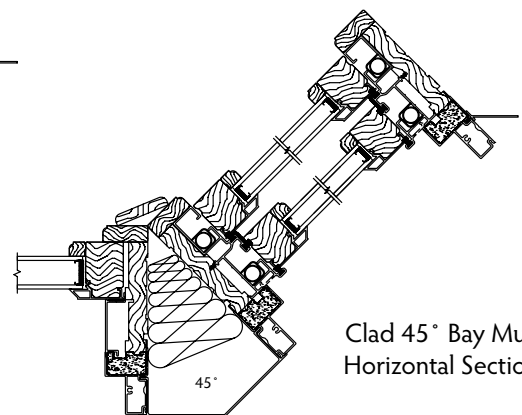
Clad DH Studio
Horizontal Section



Clad Bay
Vertical Section



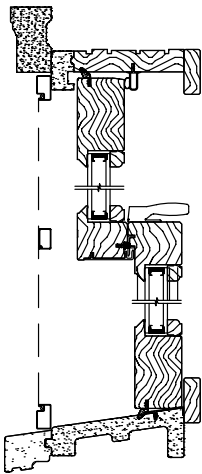
Clad 30° Bay Mull
Horizontal Section



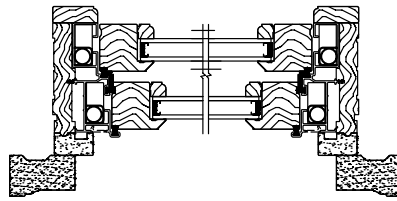
Clad 45° Bay Mull
Horizontal Section

Double Hung

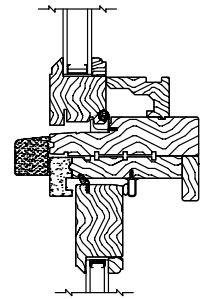
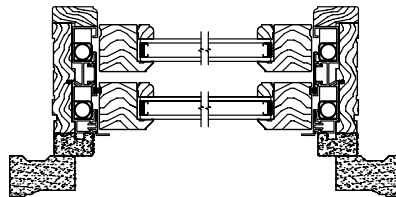
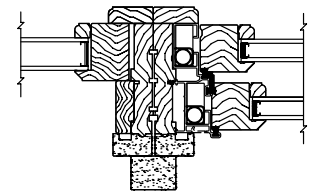
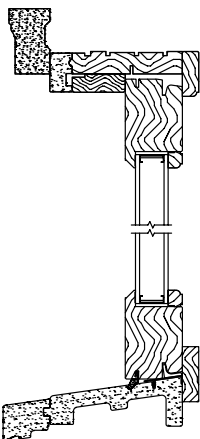
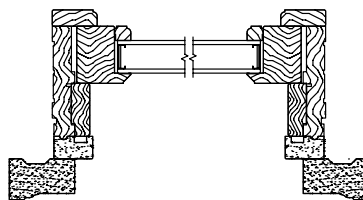
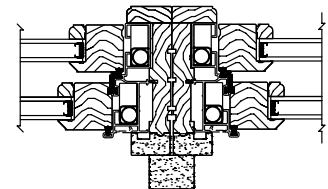
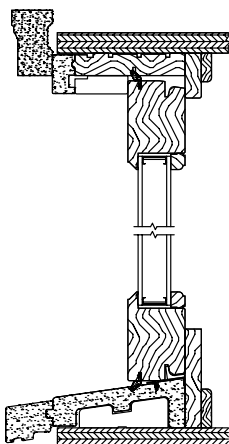
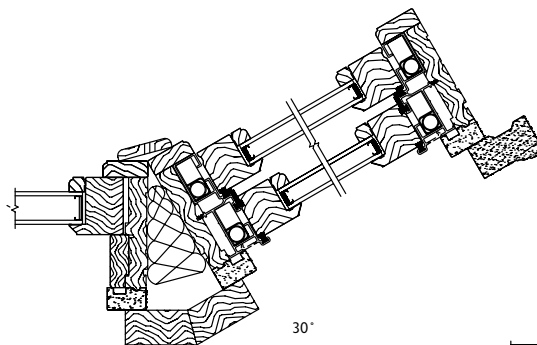
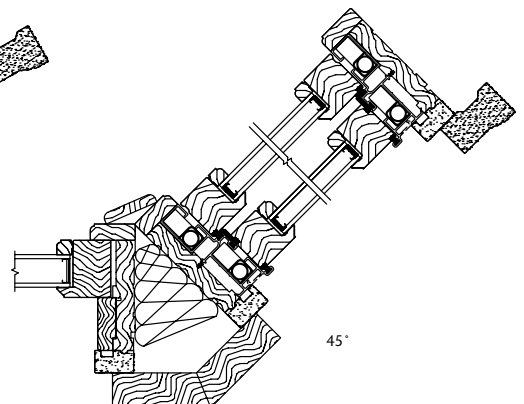
Scale: 2"=1' (all sections)



Primed Vertical Section

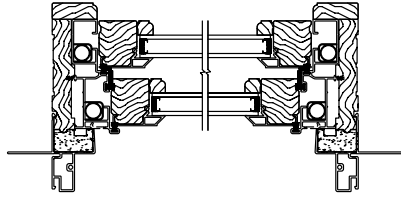


Primed Horizontal Section

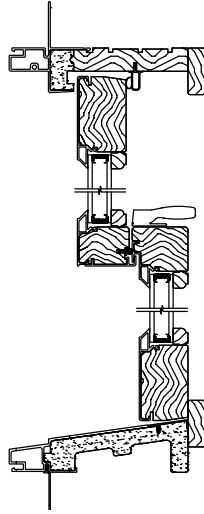
Primed Horizontal Transom Mull
Vertical SectionPrimed Double Hung
Concealed Jambliner Upgrade
Horizontal SectionPrimed Vertical Mull/Picture
Horizontal SectionPrimed Studio
Vertical SectionPrimed Studio
Horizontal SectionPrimed Vertical Mull
Horizontal SectionPrimed Bay
Vertical SectionPrimed 30° Bay Mull
Horizontal SectionPrimed 45° Bay
Horizontal Section

Double Hung

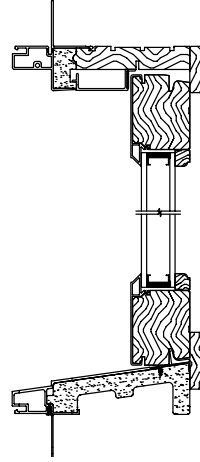
Scale: 2"=1' (all sections)



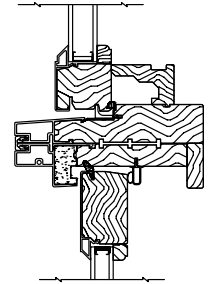
Vinyl Clad DH
Horizontal Section



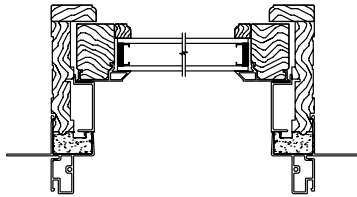
Vinyl Clad DH
Vertical Section



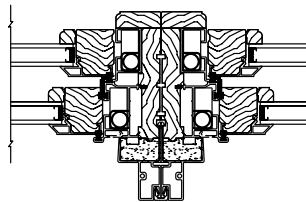
Vinyl Clad DH Studio
Vertical Section



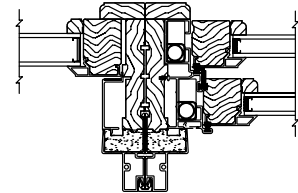
Vinyl Clad DH
Horizontal Transom Mull
Vertical Section



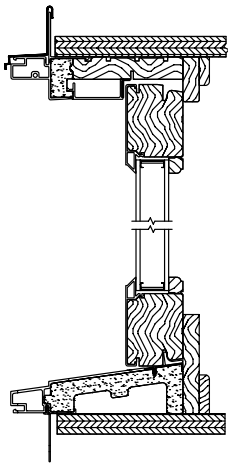
Vinyl Clad DH Studio
Horizontal Section



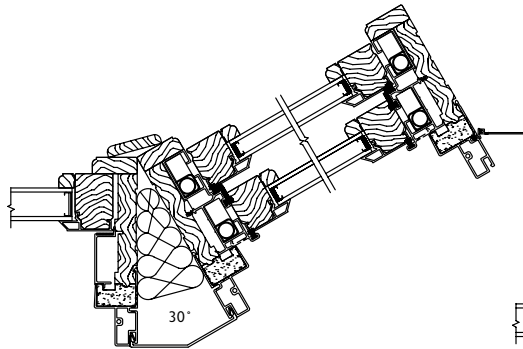
Vinyl Clad Vertical Mull
Horizontal Section



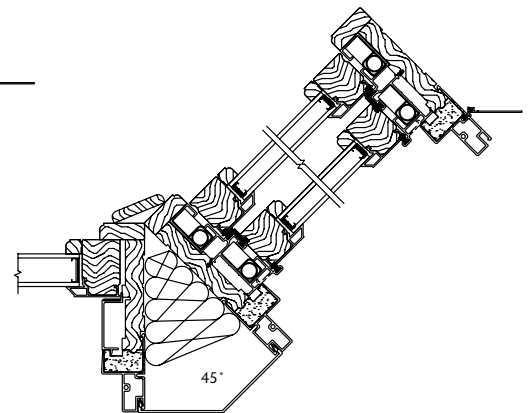
Vinyl Clad
Vertical Mull/Picture
Horizontal Section



Vinyl Clad DH Bay
Vertical Section



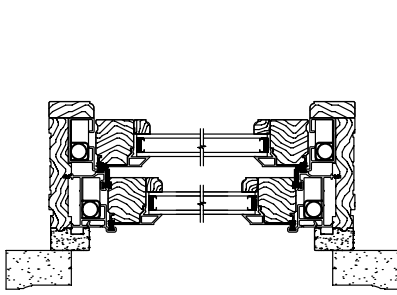
Vinyl Clad 30° Picture Bay
Horizontal Section



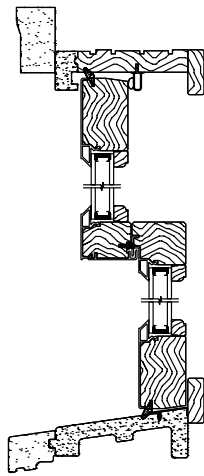
Vinyl Clad 45° Bay
Horizontal Section

Double Hung

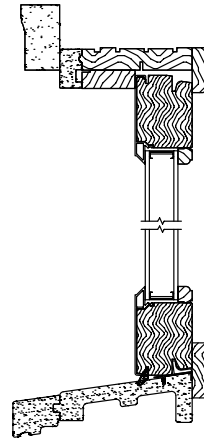
Scale: 2"=1' (all sections)



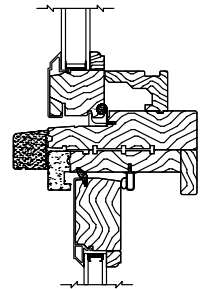
Hybrid with Clad Sash
Horizontal Section



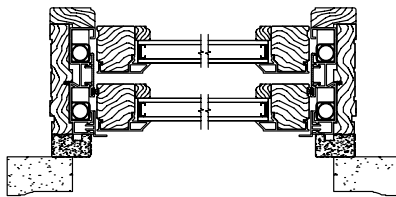
Hybrid with Clad Sash
Vertical Section



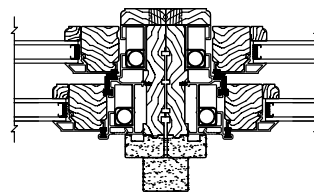
Hybrid Studio with
Clad Sash
Vertical Section



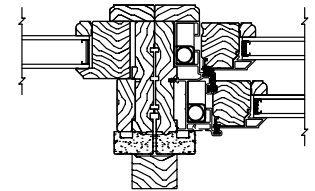
Hybrid DH Horizontal Transom
Mull Vertical Section



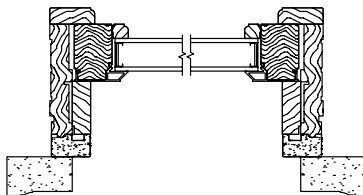
Hybrid DH with Clad Sash
Concealed Jambliner Upgrade
Horizontal Section



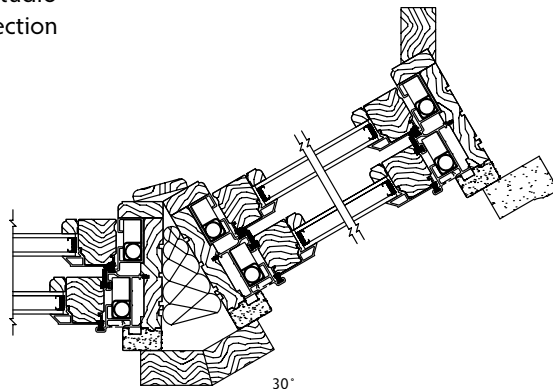
Hybrid with Clad Sash
Vertical Mull
Horizontal Section



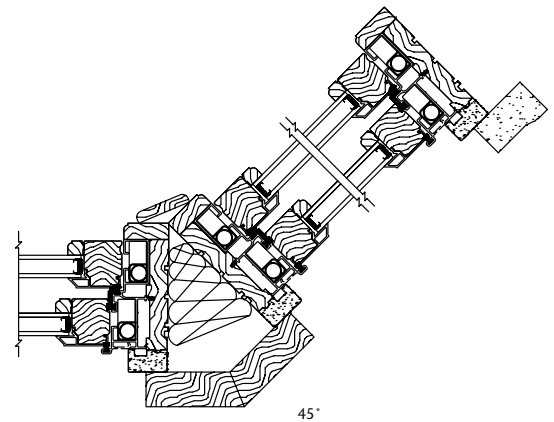
Hybrid DH Vertical Mull/Picture
Horizontal Section



Hybrid DH Studio
Horizontal Section



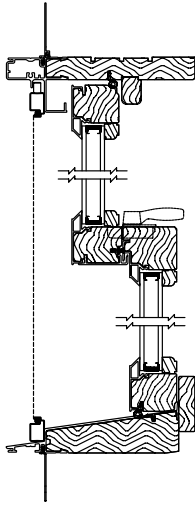
Hybrid 30° Picture Bay
Horizontal Section



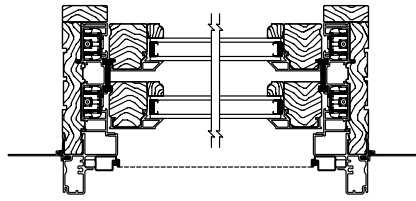
Hybrid 45° Bay
Horizontal Section

Lifestyle Double Hung

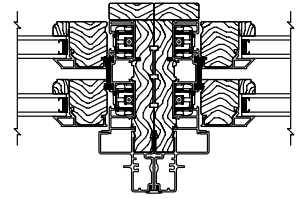
Scale: 2"=1' (all sections)



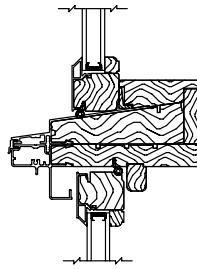
Clad Lifestyle DH
Vertical Section



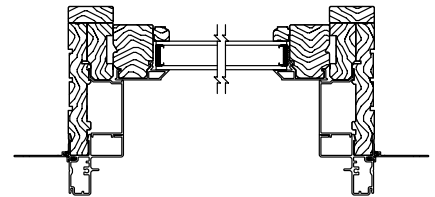
Clad Lifestyle DH
Horizontal Section



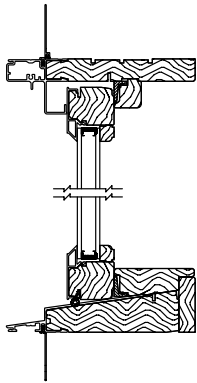
Clad Lifestyle DH Vertical Mull
Horizontal Section



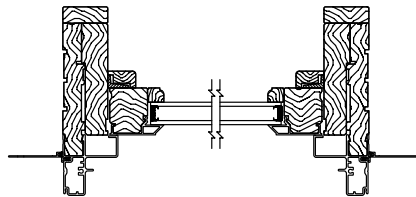
Clad Lifestyle DH Transom Mull
Horizontal Mull
Vertical Section



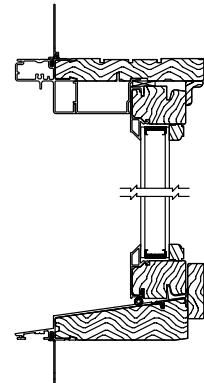
Clad Lifestyle DH Studio
Horizontal Section



Clad Lifestyle DH Transom
Vertical Section



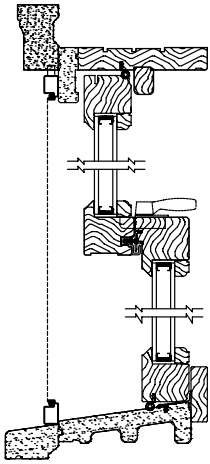
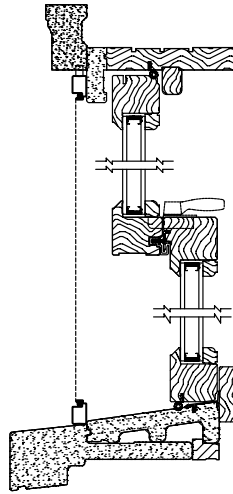
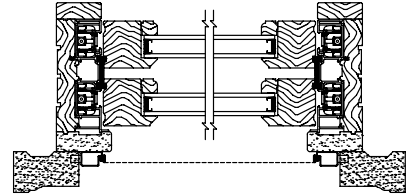
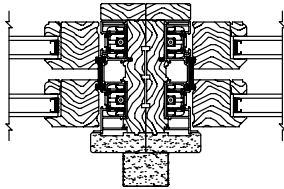
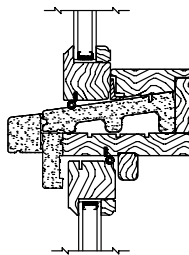
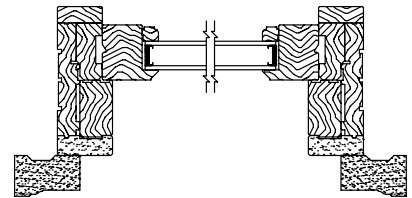
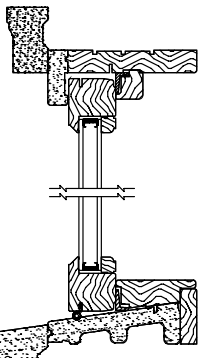
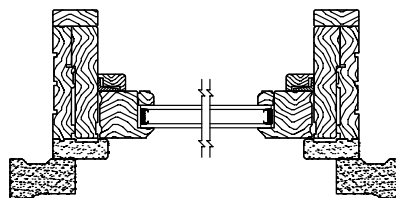
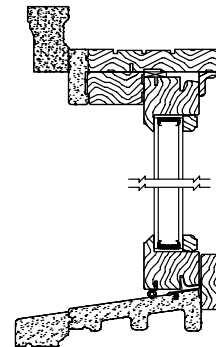
Clad Lifestyle DH Transom
Horizontal Section



Clad Lifestyle DH Studio
Vertical Section

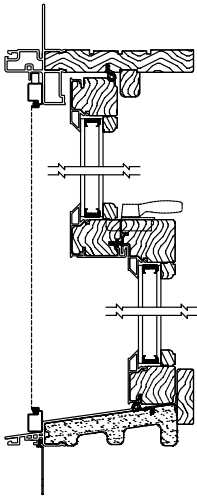
Lifestyle Double Hung

Scale: 2"=1' (all sections)

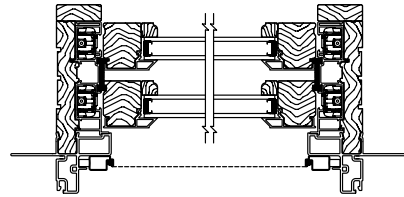
Primed Lifestyle DH
Vertical SectionPrimed Lifestyle DH
w/ 2" Sill Nosing
Vertical SectionPrimed Lifestyle DH
Horizontal SectionPrimed Lifestyle DH Vertical Mull
Horizontal SectionPrimed Lifestyle DH Transom Mull
Horizontal Mull
Vertical SectionPrimed Lifestyle DH Studio
Horizontal SectionPrimed Lifestyle DH Transom
Vertical SectionPrimed Lifestyle DH Transom
Horizontal SectionPrimed Lifestyle DH Studio
Vertical Section

Lifestyle Double Hung

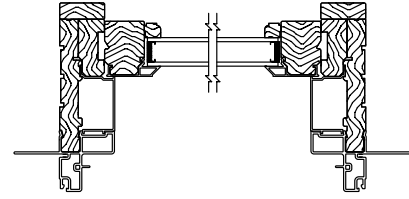
Scale: 2"=1' (all sections)



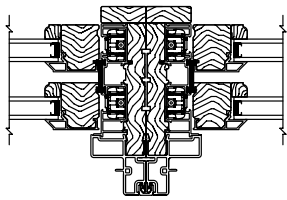
Vinyl Clad Lifestyle DH
Vertical Section



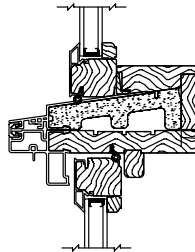
Vinyl Clad Lifestyle DH
Horizontal Section



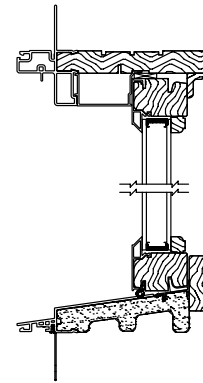
Vinyl Clad Lifestyle DH Studio
Horizontal Section



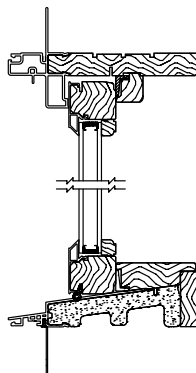
Vinyl Clad Lifestyle DH
Vertical Mull
Horizontal Section



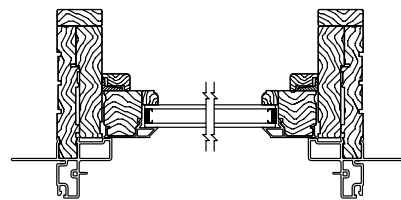
Vinyl Clad Lifestyle DH
Transom Mull
Horizontal Mull
Vertical Section



Vinyl Clad Lifestyle DH Studio
Vertical Section



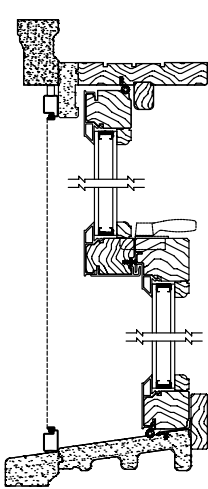
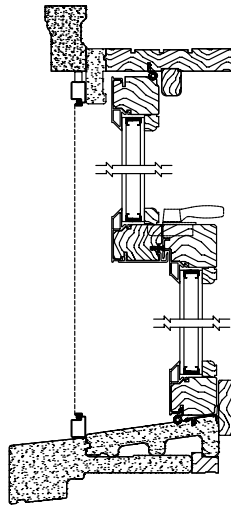
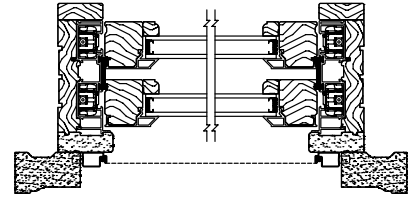
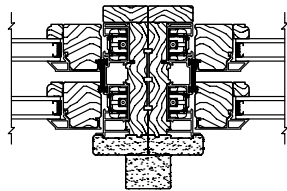
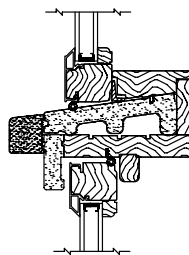
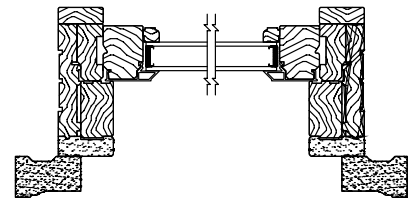
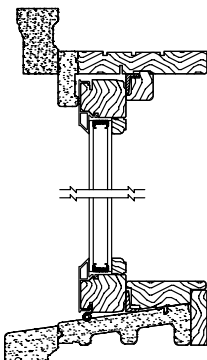
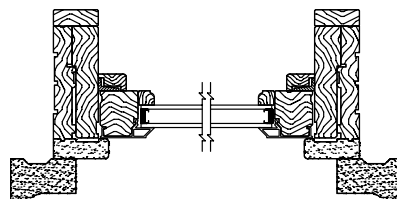
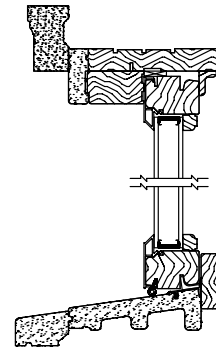
Vinyl Clad Lifestyle DH Transom
Vertical Section



Vinyl Clad Lifestyle DH Transom
Horizontal Section

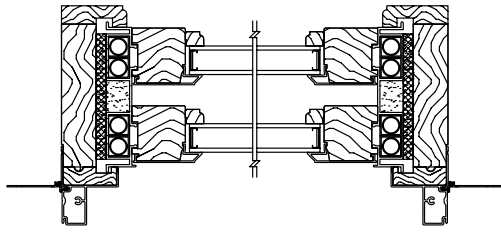
Lifestyle Double Hung

Scale: 2"=1' (all sections)

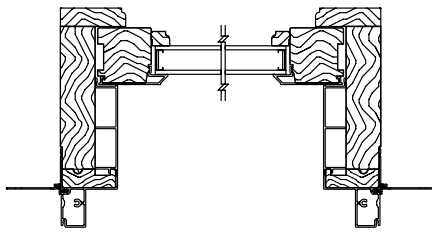
Hybrid Lifestyle DH
Vertical SectionHybrid Lifestyle DH
w/ 2" Sill Nosing
Vertical SectionHybrid Lifestyle DH
Horizontal SectionHybrid Lifestyle DH Vertical Mull
Horizontal SectionHybrid Lifestyle DH Transom Mull
Horizontal Mull
Vertical SectionHybrid Lifestyle DH Studio
Horizontal SectionHybrid Lifestyle DH Transom
Vertical SectionHybrid Lifestyle DH Transom
Horizontal SectionHybrid Lifestyle DH Studio
Vertical Section

Quantum Double Hung

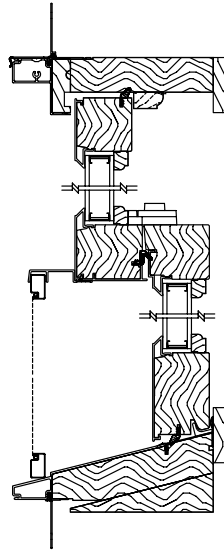
Scale: 2"=1' (all sections)



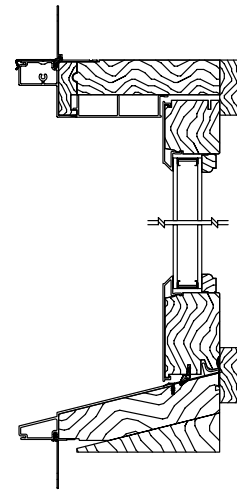
Clad Quantum
Horizontal Section



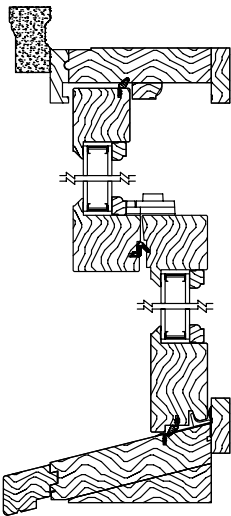
Clad Quantum Studio
Horizontal Section



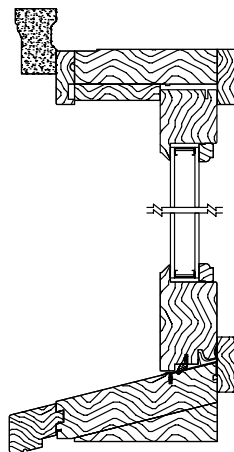
Clad Quantum
Vertical Section



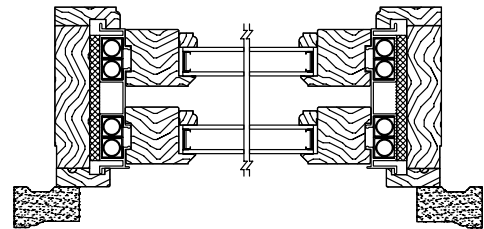
Clad Quantum Studio
Vertical Section



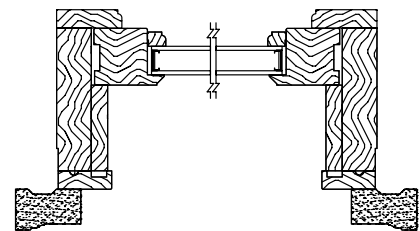
Primed Quantum
Vertical Section



Primed Quantum Studio
Vertical Section



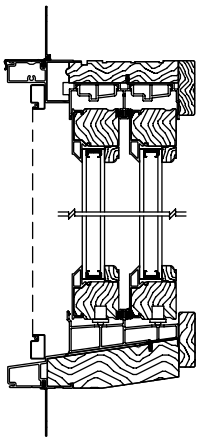
Primed Quantum
Horizontal Section



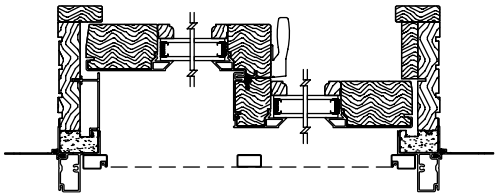
Primed Quantum Studio
Horizontal Section

Glider

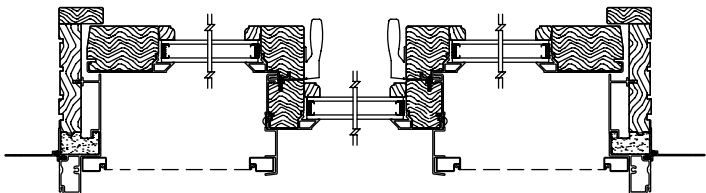
Scale: 2"=1' (all sections)



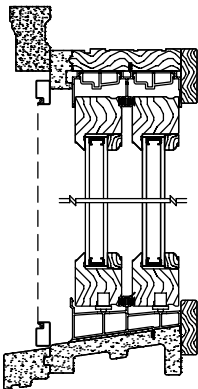
Clad Glider
Vertical Section



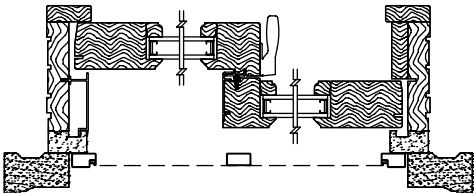
Clad Glider
Horizontal Section



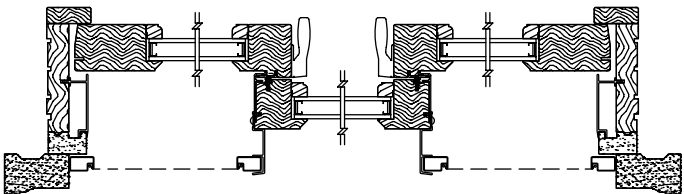
Clad Triple Glider
Horizontal Section



Primed Glider
Vertical Section



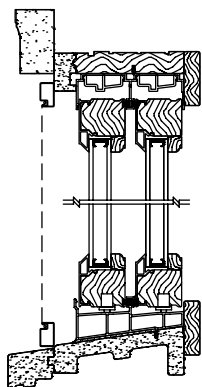
Primed Glider
Horizontal Section



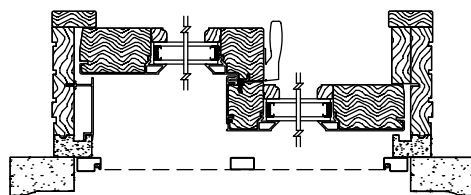
Primed Triple Glider
Horizontal Section

Glider

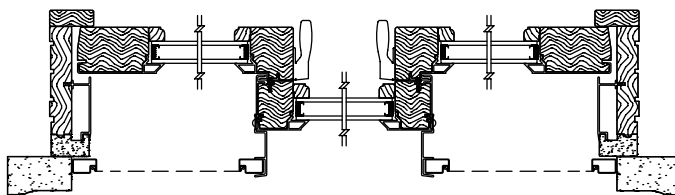
Scale: 2"=1' (all sections)



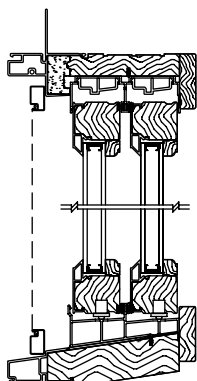
Hybrid Glider
With Clad Sash
Vertical Section



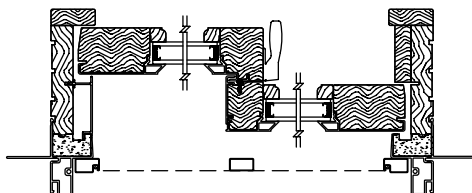
Hybrid Glider
With Clad Sash
Horizontal Section



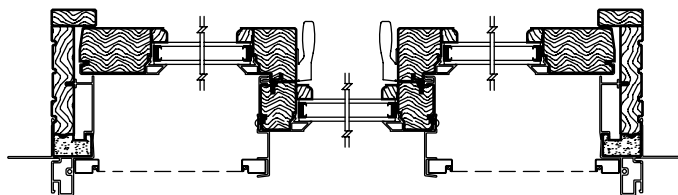
Hybrid Triple Glider
With Clad Sash
Horizontal Section



Vinyl Clad Glider
Vertical Section



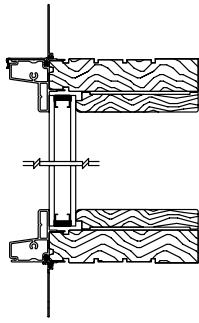
Vinyl Clad Glider
Horizontal Section



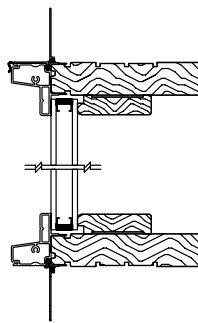
Vinyl Clad Triple Glider
Horizontal Section

Specialty

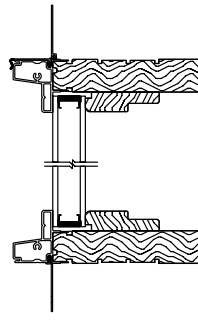
Scale: 2"=1' (all sections)



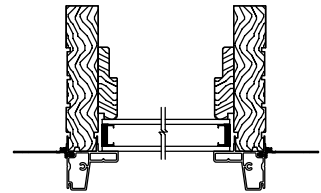
Clad Direct Set
with Full Stop Option
Vertical Section



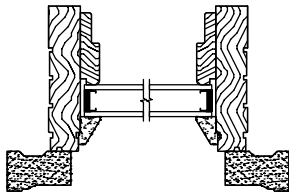
Clad Direct Set
with Square Stop Option
Vertical Section



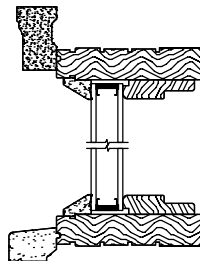
Clad Direct Set
Vertical Section



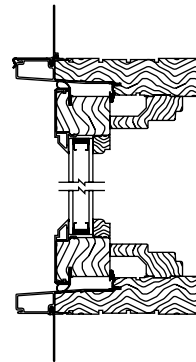
Clad Direct Set
Horizontal Section



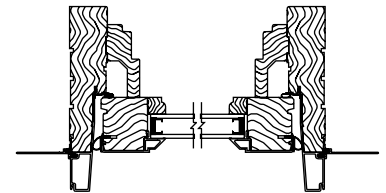
Primed Direct Set
Horizontal Section



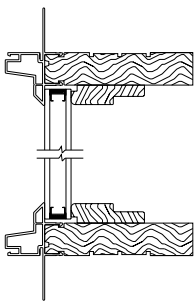
Primed Direct Set
Vertical Section



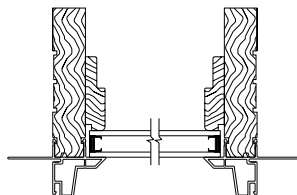
Clad Radius Sash Set
Vertical Section



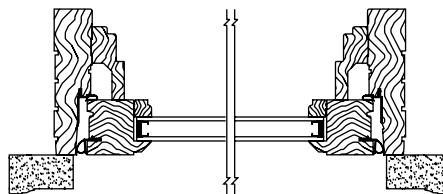
Clad Radius Sash Set
Horizontal Section



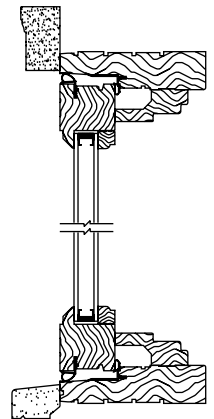
Vinyl Clad Direct Set
Vertical Section



Vinyl Clad Direct Set
Horizontal Section



Primed Radius Sash Set
Horizontal Section

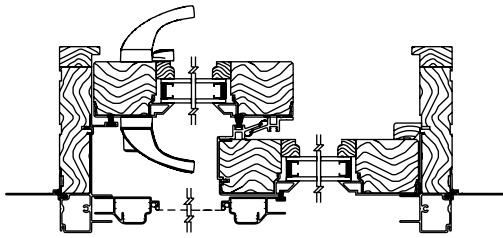


Primed Radius Sash Set
Vertical Section

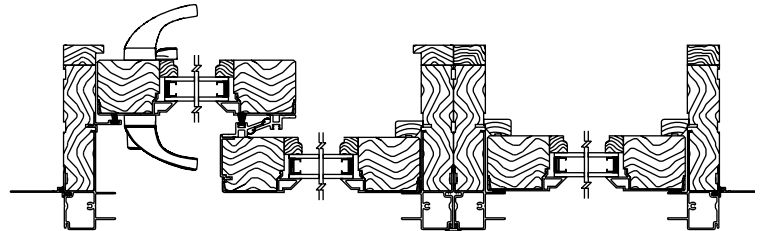
Note: The Square Stop and Full Stop option, shown only with the clad exterior, is available for all Direct Set units.

Slide Patio Doors

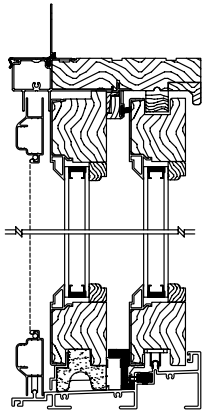
Scale: 2"=1' (all sections)



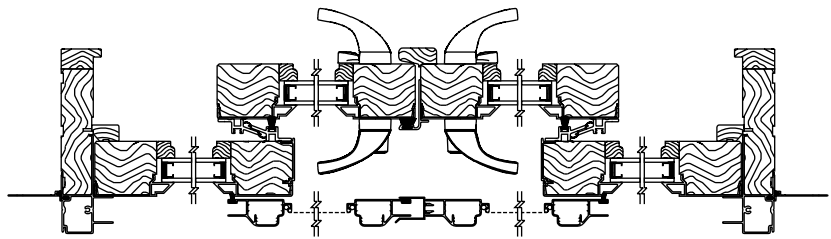
Clad Narrow Stile
Horizontal Section



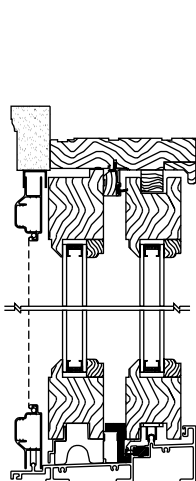
Clad Narrow Stile with Side Lite Mull
Horizontal Section



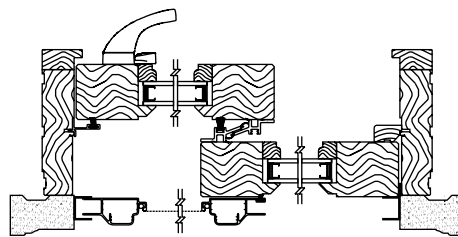
Clad Narrow Stile
Vertical Section



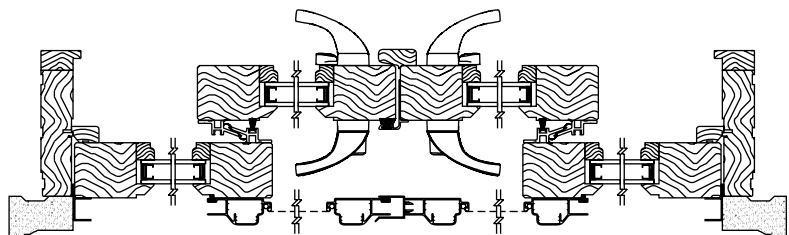
Clad Narrow Stile 4-Wide
Door Horizontal Section



Primed Narrow Stile
Vertical Section



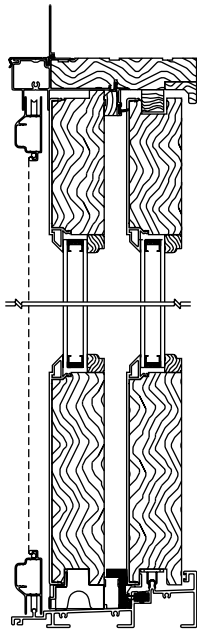
Primed Narrow Stile
Horizontal Section



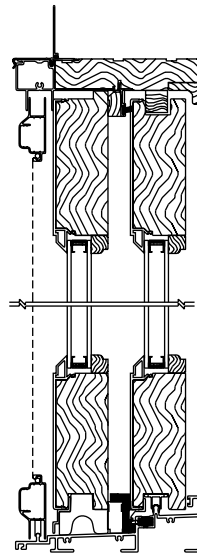
Primed Narrow Stile 4-Wide Door
Horizontal Section

Slide Patio Doors

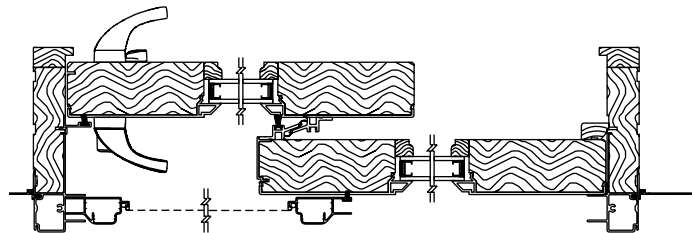
Scale: 2"=1' (all sections)



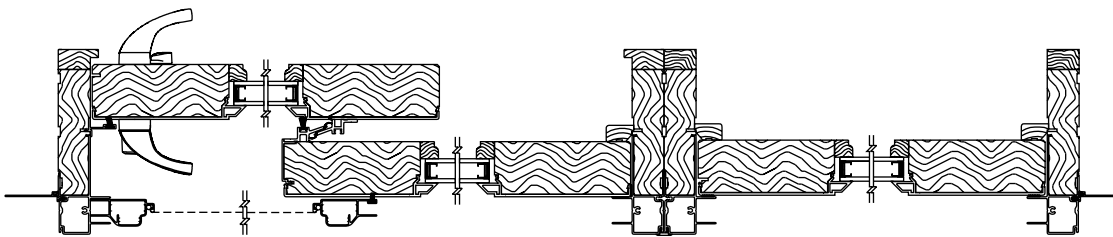
Clad Wide Stile 6-8 and 8-0 Height
Vertical Section



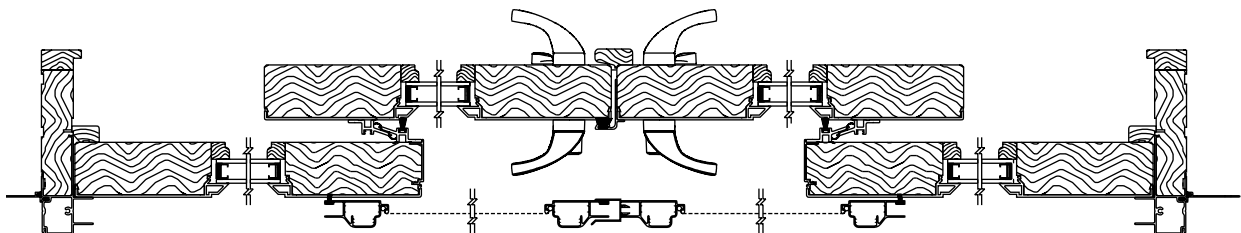
Clad Wide Stile 6/6 Height
Vertical Section



Clad Wide Stile Horizontal Section



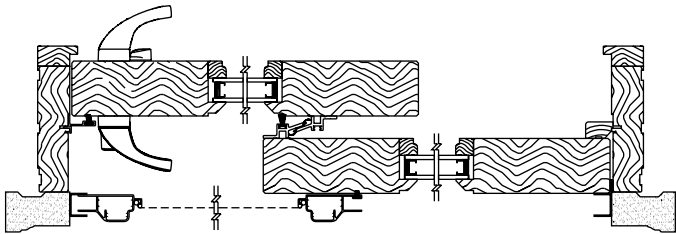
Clad Wide Stile with Side Lite Mull
Horizontal Section



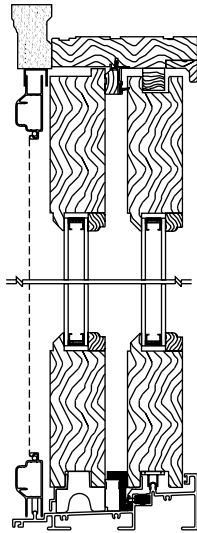
Clad Wide Stile 4-Wide Door
Horizontal Section

Slide Patio Doors

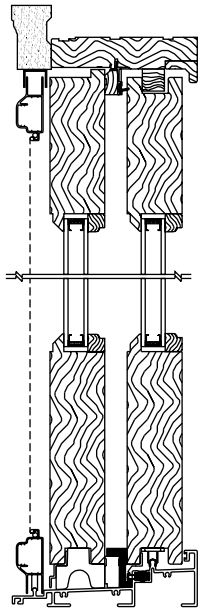
Scale: 2"=1' (all sections)



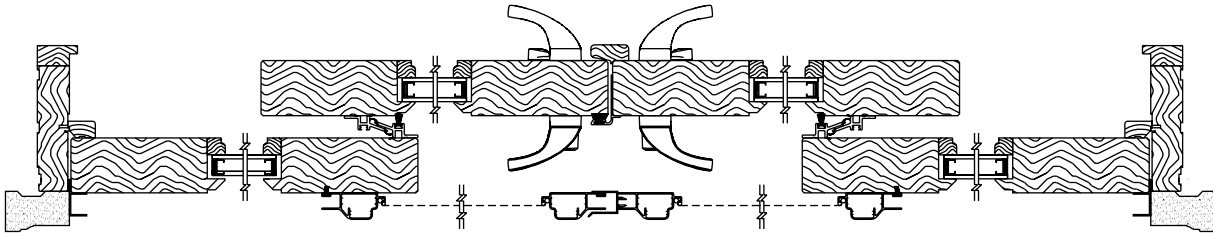
Primed Wide Stile
Horizontal Section



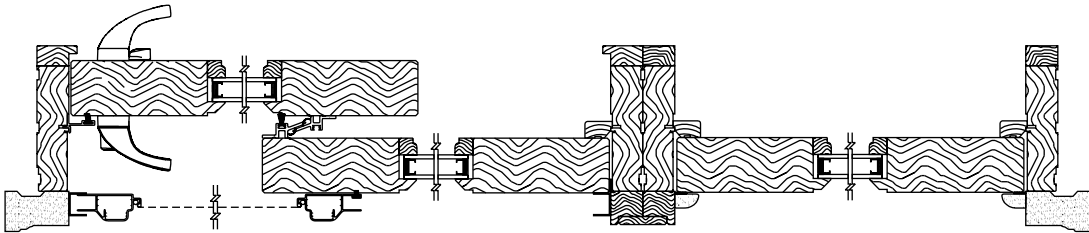
Primed Wide Stile
6/6 Height
Vertical Section



Primed Wide Stile 6-8 and 8-0
Height Vertical Section



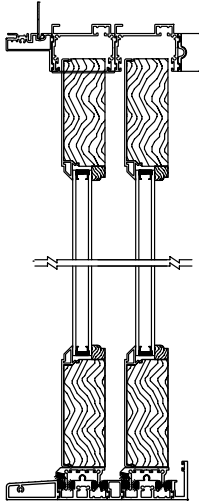
Primed Wide Stile 4-Wide Door
Horizontal Section



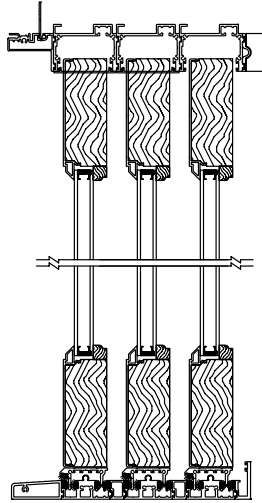
Primed Wide Stile with Side Lite Mull
Horizontal Section

Slide-A-Way Patio Doors

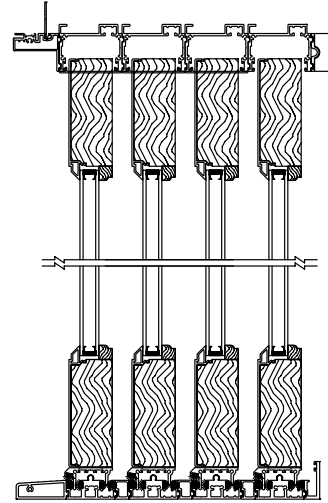
Scale: No Scale



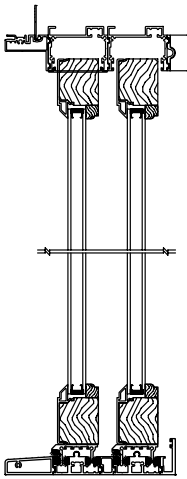
Clad 2-Panel Slide-A-Way Patio Door
Wide Stile
Vertical Section



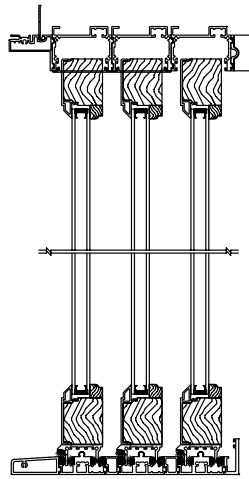
Clad 3-Panel Slide-A-Way Patio Door
Wide Stile
Vertical Section



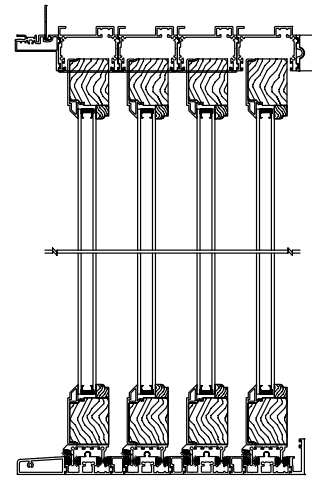
Clad 4-Panel Slide-A-Way Patio Door
Wide Stile
Vertical Section



Clad 2-Panel Slide-A-Way Patio Door
Narrow Stile
Vertical Section



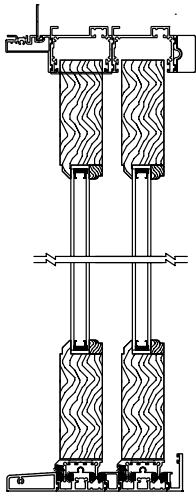
Clad 3-Panel Slide-A-Way Patio Door
Narrow Stile
Vertical Section



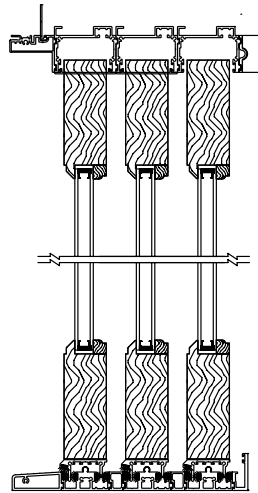
Clad 4-Panel Slide-A-Way Patio Door
Narrow Stile
Vertical Section

Slide-A-Way Patio Doors

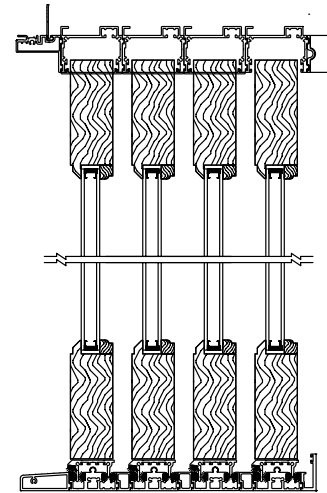
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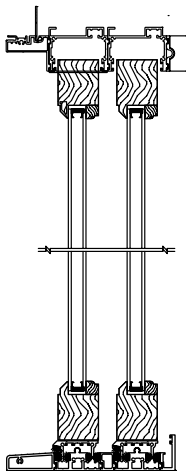
Wood 2-Panel Slide-A-Way Patio Door
Wide Stile
Vertical Section



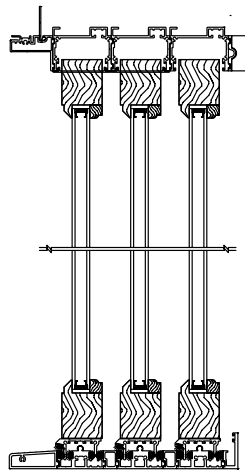
Wood 3-Panel Slide-A-Way Patio Door
Wide Stile
Vertical Section



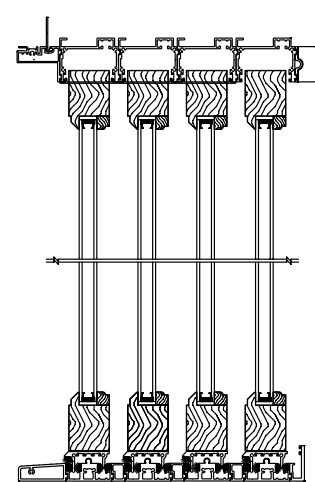
Wood 4-Panel Slide-A-Way Patio Door
Wide Stile
Vertical Section



Wood 2-Panel Slide-A-Way Patio Door
Narrow Stile
Vertical Section



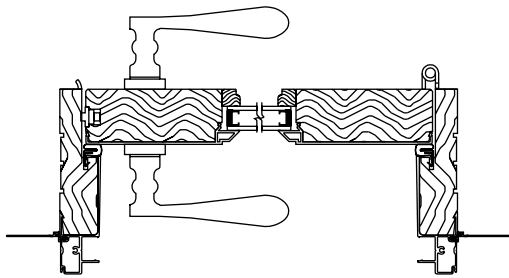
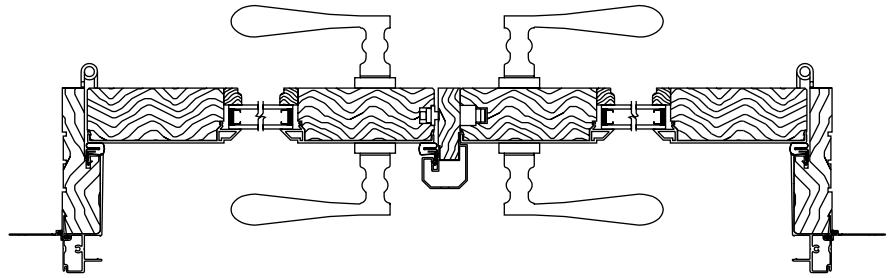
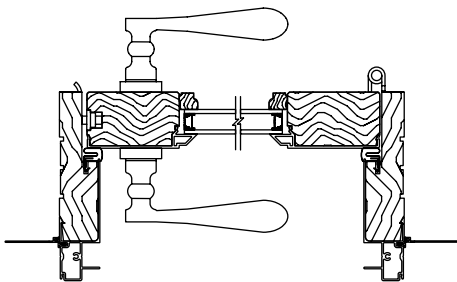
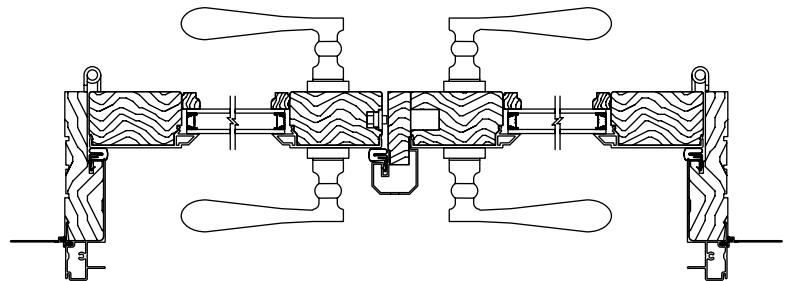
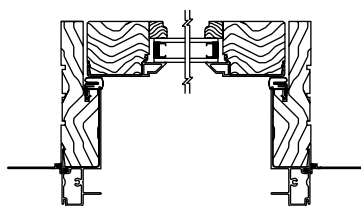
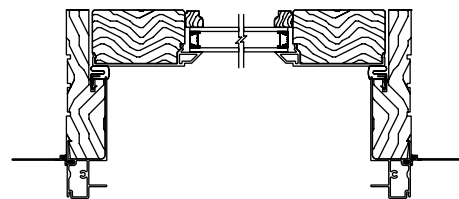
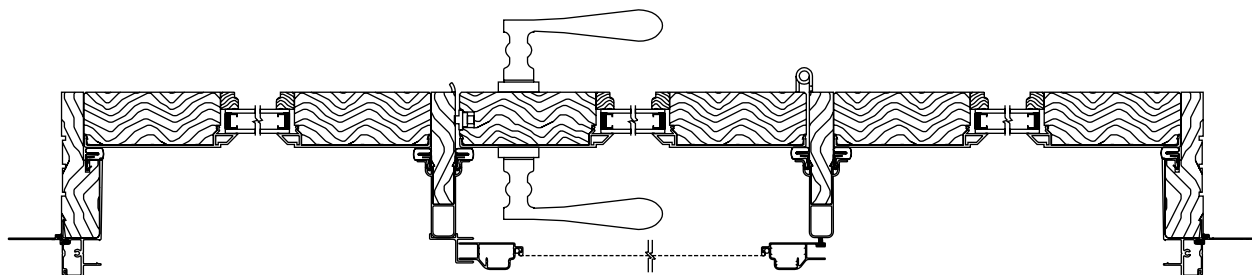
Wood 3-Panel Slide-A-Way Patio Door
Narrow Stile
Vertical Section



Wood 4-Panel Slide-A-Way Patio Door
Narrow Stile
Vertical Section

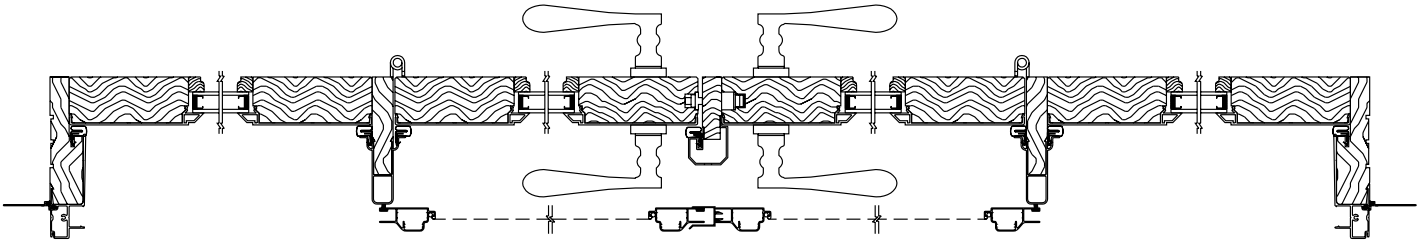
Swing Patio Doors

Scale: 2"=1' (all sections)

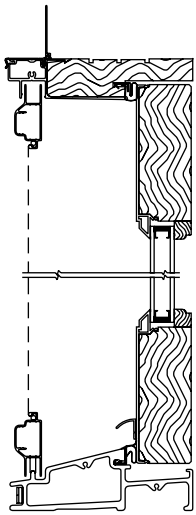
Clad In-Swing
Horizontal SectionClad French In-Swing
Horizontal SectionClad In-Swing
Lifestyle Panel
Horizontal SectionClad French In-Swing
Lifestyle Panels
Horizontal SectionClad In-Swing Narrow Stile
Sidelite Horizontal SectionClad In-Swing Sidelite
Lifestyle Panel
Horizontal SectionClad In-Swing 3 Wide Door
Horizontal Section

Swing Patio Doors

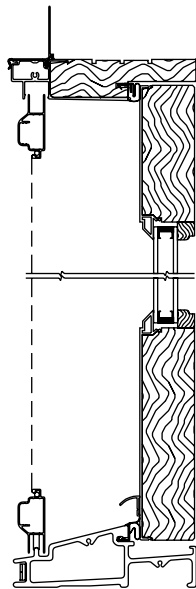
Scale: 2"=1' (all sections)



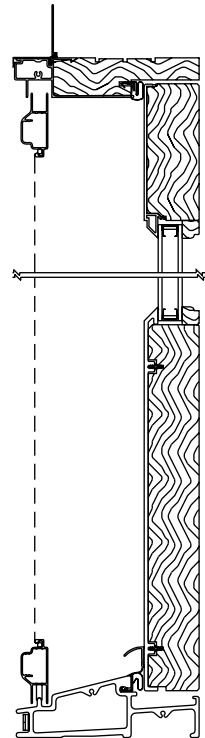
Clad In-Swing 4 Wide Door Continuous Head and Sill Horizontal Section
(Drawing Not to scale)



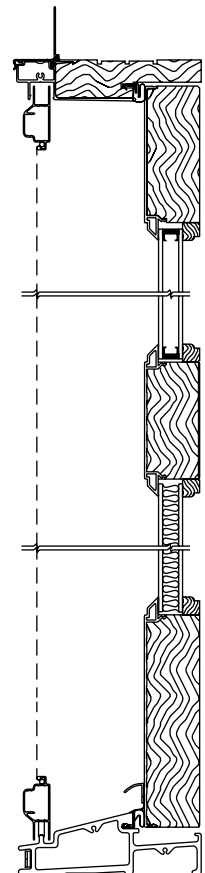
Clad In-Swing
6/6 Height
Vertical Section



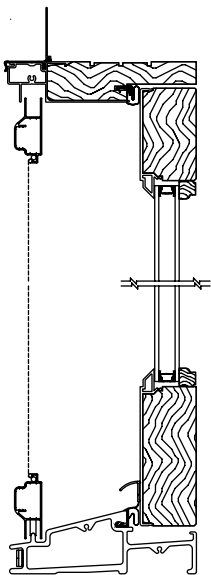
Clad In-Swing
6/8, 7/0, 8/0 & 9/0 Heights
Vertical Section



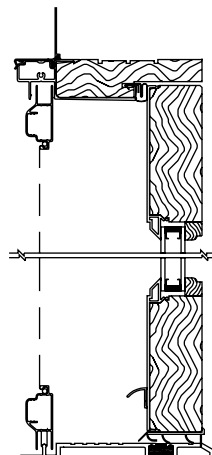
Clad In-Swing
12" Bottom Rail
Vertical Section



Clad In-Swing
Mid-Rail Door
Vertical Section



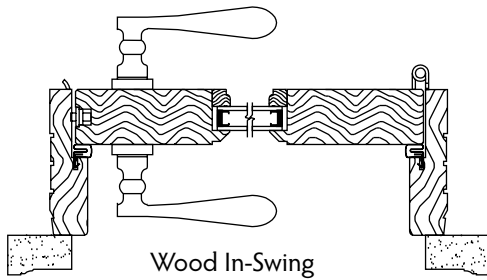
Clad In-Swing
6/8, 7/0, 8/0 & 9/0 Heights
Lifestyle Panel
Vertical Section



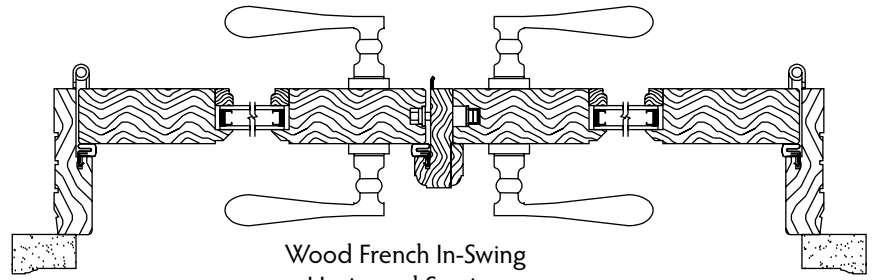
Clad In-Swing
ADA Sill Option

Swing Patio Doors

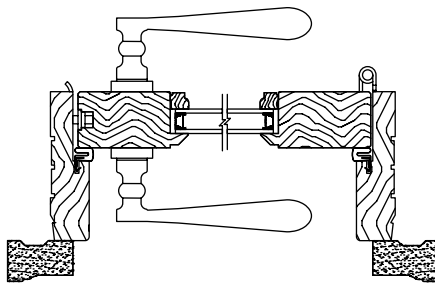
Scale: 2"=1' (all sections)



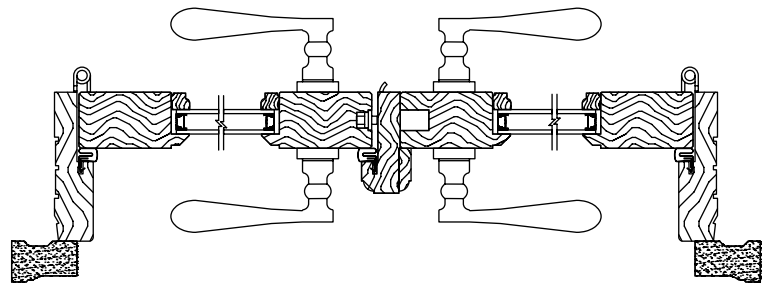
Wood In-Swing
Horizontal Section



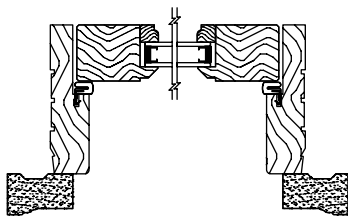
Wood French In-Swing
Horizontal Section



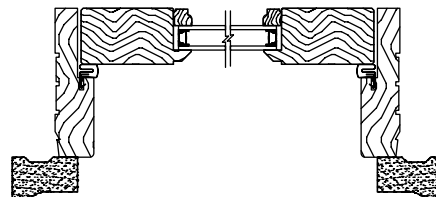
Wood In-Swing
Lifestyle Panel
Horizontal Section



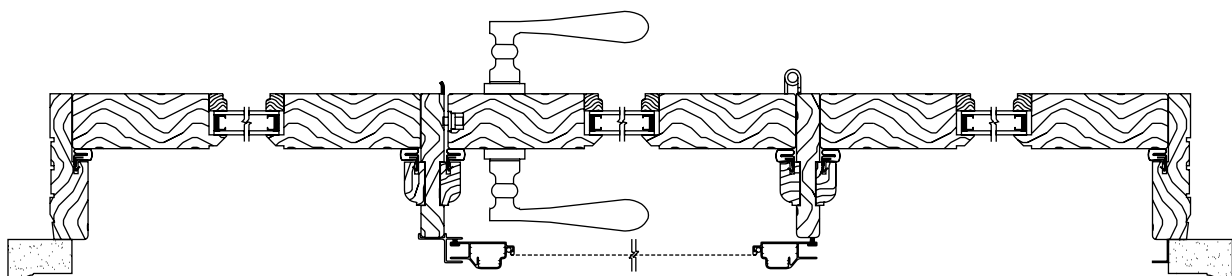
Wood French In-Swing
Lifestyle Panels
Horizontal Section



Wood In-Swing Sidelite
Narrow Stile
Horizontal Section



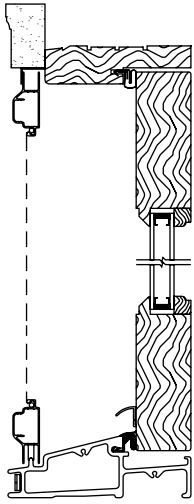
Wood In-Swing Sidelite
Lifestyle Panel
Horizontal Section



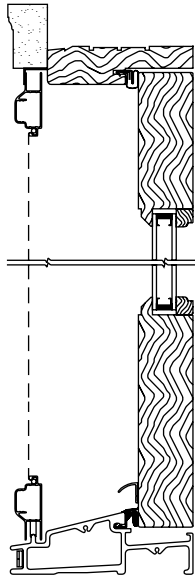
Wood In-Swing 3 Wide Door
Horizontal Section

Swing Patio Doors

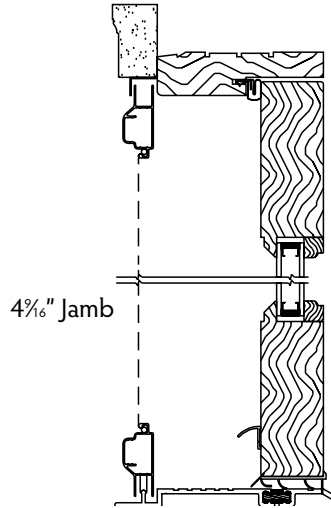
Scale: 2"=1' (all sections)



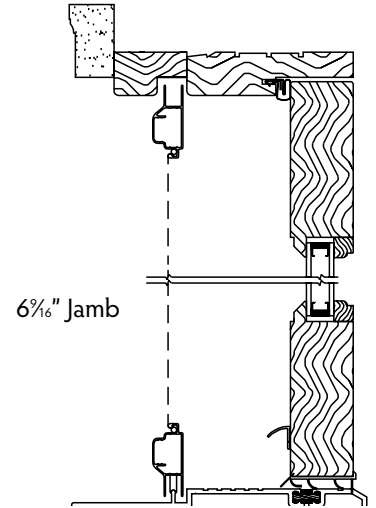
Wood In-Swing
6/6 Height
Vertical Section



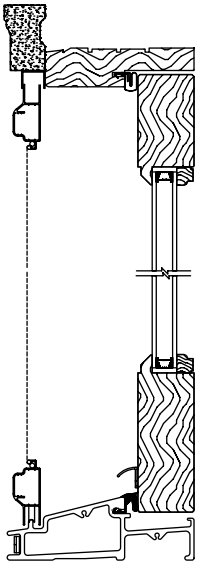
Wood In-Swing
6/8, 7/0, 8/0 & 9/0 Heights
Vertical Section



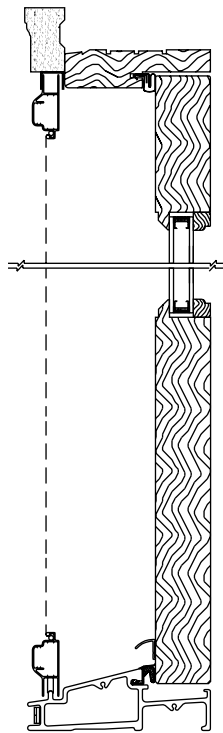
Wood In-Swing
ADA Sill Option



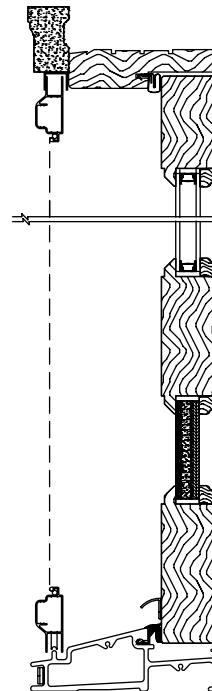
Wood In-Swing
ADA Sill Option



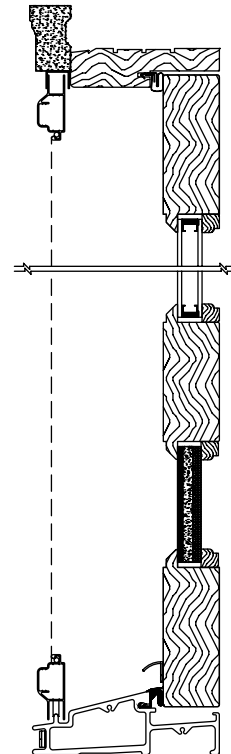
Clad In-Swing
6/8, 7/0, 8/0 & 9/0 Heights
Lifestyle Panel
Vertical Section



Wood In-Swing
12" Bottom Rail Option
Vertical Section



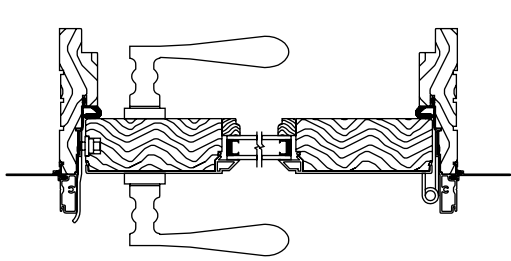
Wood In-Swing
Mid-Rail Door
Lifestyle Panel
Vertical Section



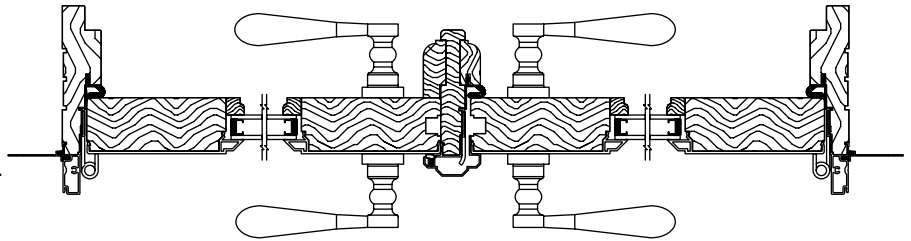
Wood In-Swing
Mid-Rail Door
Vertical Section

Swing Patio Doors

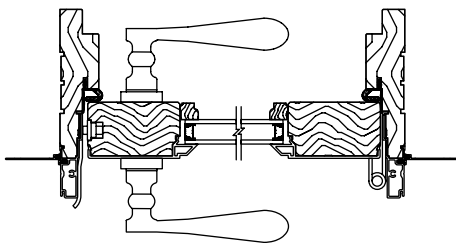
Scale: 2"=1' (all sections)



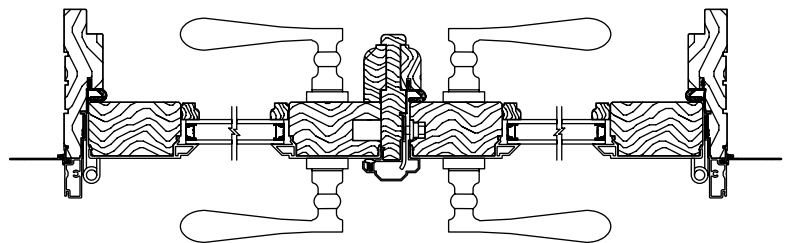
Clad Out-Swing
Horizontal Section



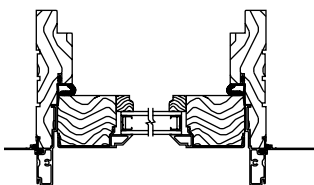
Clad French Out-Swing
Horizontal Section



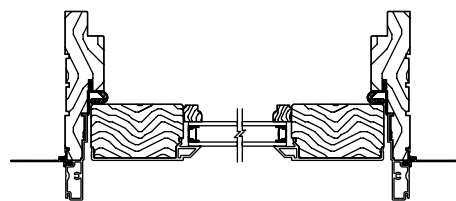
Clad Out-Swing
Lifestyle Panel
Horizontal Section



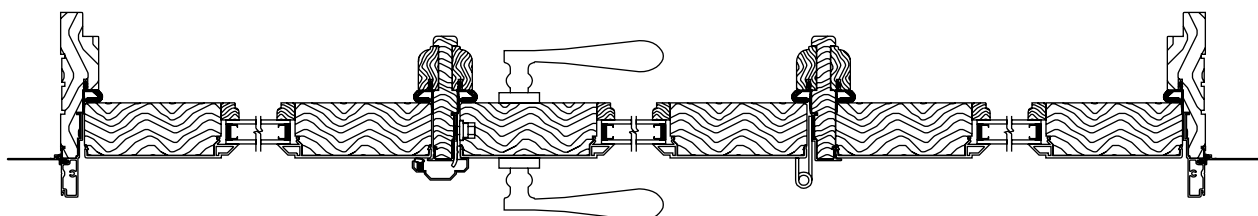
Clad French Out-Swing
Lifestyle Panel
Horizontal Section



Clad Out-Swing Side Lite
Narrow Stile
Horizontal Section



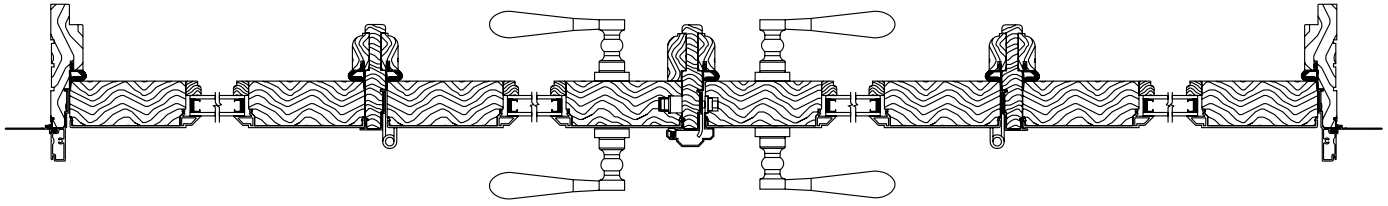
Clad Out-Swing Sidelite
Lifestyle Panel
Horizontal Section



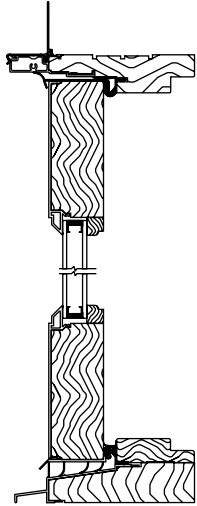
Clad Out-Swing 3-Wide Door - Continuous Head & Sill
Horizontal Section

Swing Patio Doors

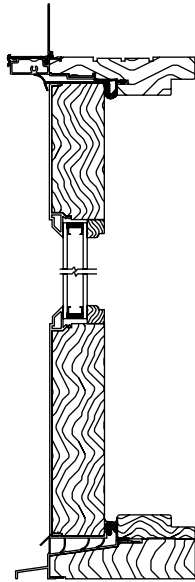
Scale: 2"=1' (all sections)



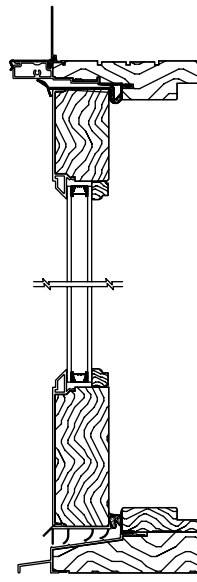
Clad Out-Swing 4-Wide Door Continuous Head and Sill - Horizontal Section
(Drawing Not to scale)



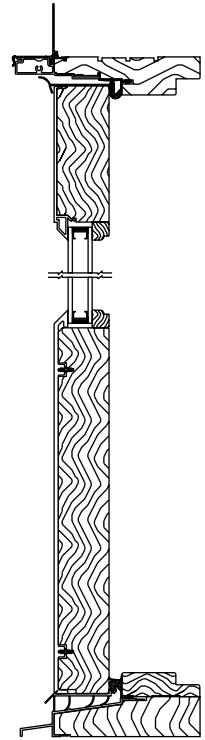
Clad Out-Swing
6/6 Height
Vertical Section



Clad Out-Swing
6/8, 7/0, 8/0 & 9/0 Heights
Vertical Section



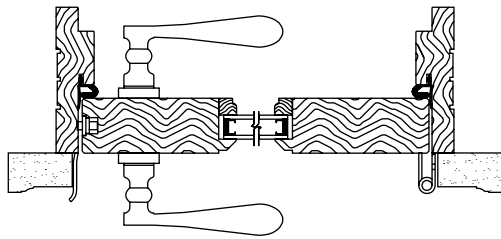
Clad Out-Swing
6/8, 7/0, 8/0 & 9/0 Heights
Lifestyle Panel
Vertical Section



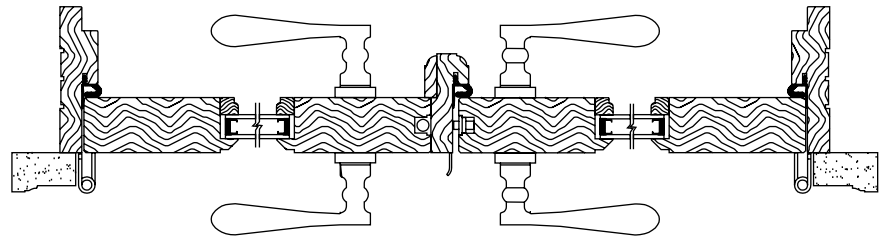
Clad Out-Swing
12" Bottom Rail Option
Vertical Section

Swing Patio Doors

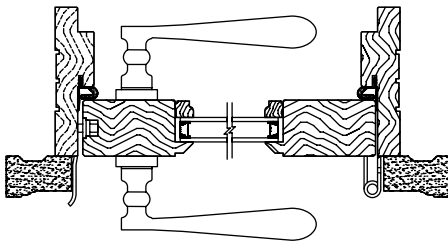
Scale: 2"=1' (all sections)



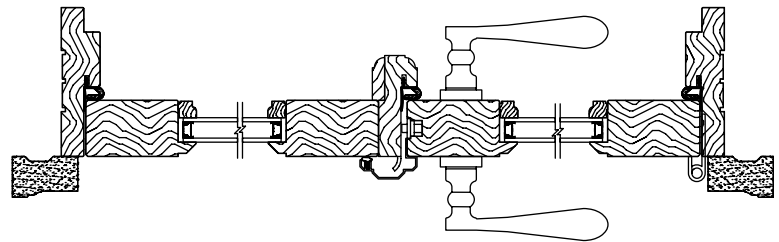
Wood Out-Swing
Horizontal Section



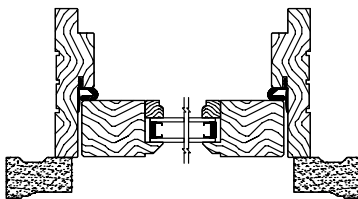
Wood Out-Swing French Door
Horizontal Section



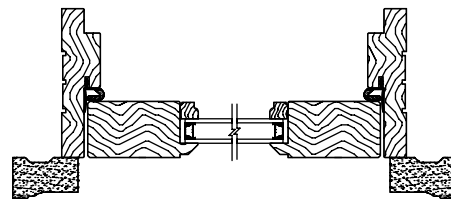
Wood Out-Swing
Lifestyle Panel
Horizontal Section



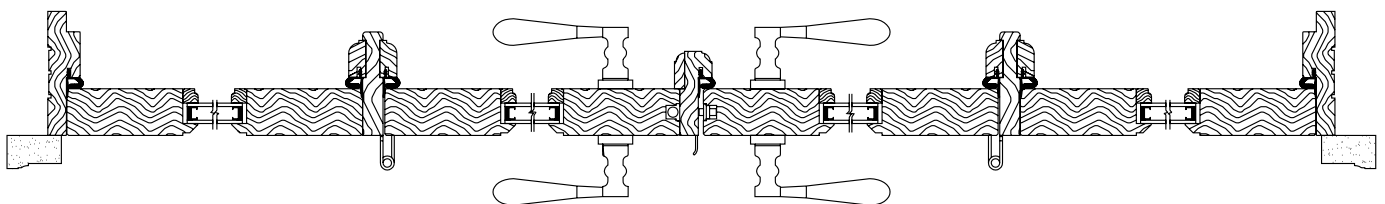
Wood Out-Swing OXR Door
Lifestyle Panel
Horizontal Section



Wood Out-Swing Side Lite
Narrow Stile
Horizontal Section



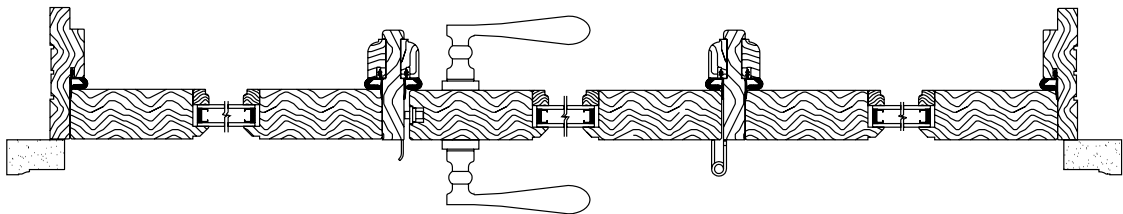
Wood Out-Swing Side Lite
Lifestyle Panel
Horizontal Section



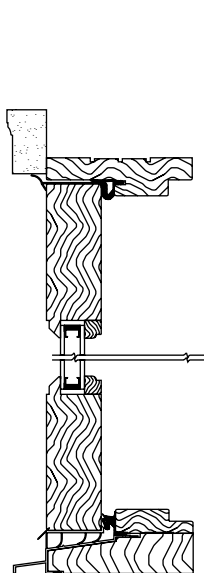
Wood Out-Swing 4-Wide Door Continuous Head and Sill
Horizontal Section

Swing Patio Doors

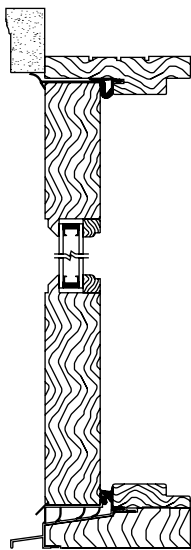
Scale: 2"=1' (all sections)



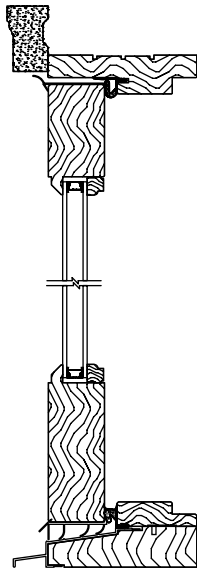
Wood Out-Swing 3-Wide Door Horizontal Section - Continuous Head & Sill
(Drawing Not to scale)



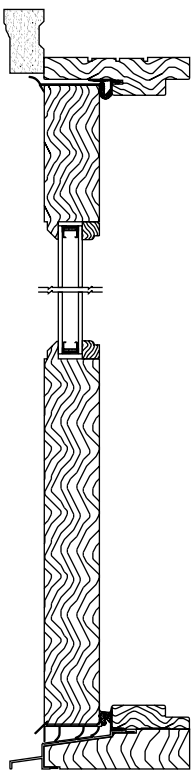
Wood Out-Swing
6/6 Height
Vertical Section



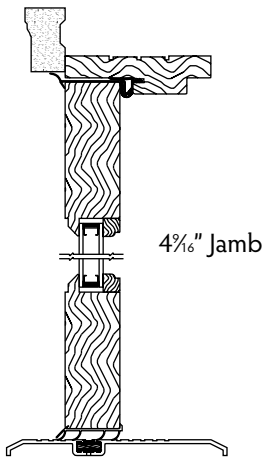
Wood Out-Swing
6/8, 7/0, 8/0 & 9/0 Heights
Vertical Section



Wood Out-Swing
6/8, 7/0, 8/0 & 9/0 Heights
Lifestyle Panel
Vertical Section



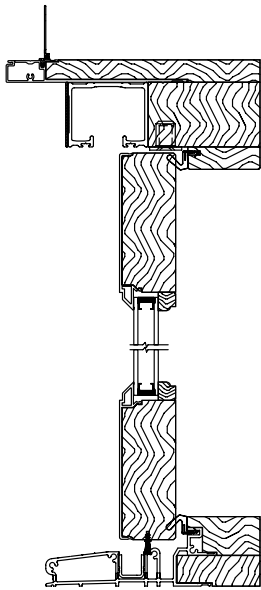
Wood Out-Swing
12" Bottom Rail Option
Vertical Section



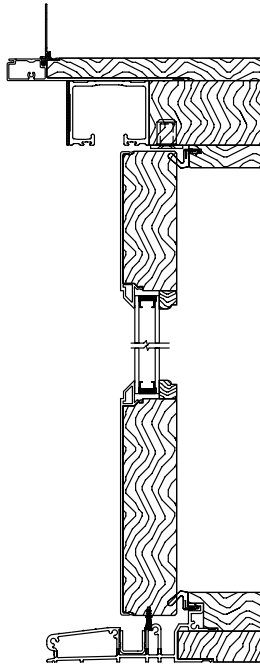
Wood Out-Swing
6/6 Height ADA Sill Option
Vertical Section

Fold-A-Way Patio Doors

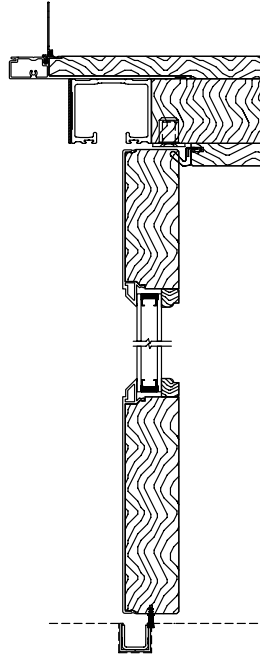
Scale: 2"=1' (all sections)



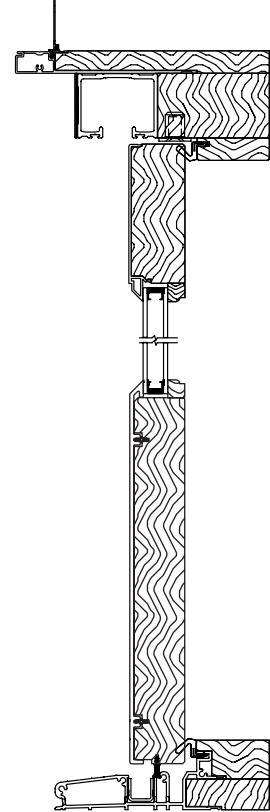
Clad Fold-A-Way
6/6 Height
Vertical Section



Clad Fold-A-Way
6/8, 7/0 & 8/0 Height
Vertical Section



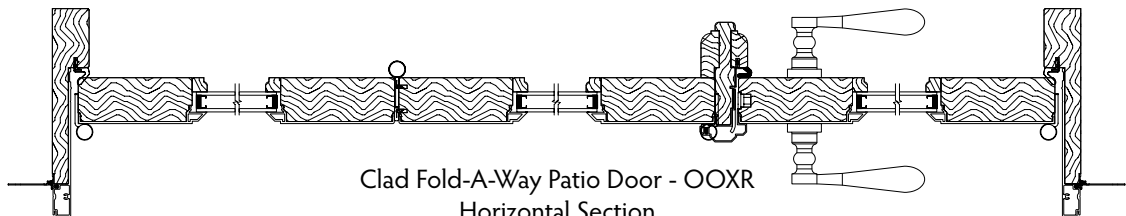
Clad Fold-A-Way
Floor Channel Application
6/8, 7/0 & 8/0 Height
Vertical Section



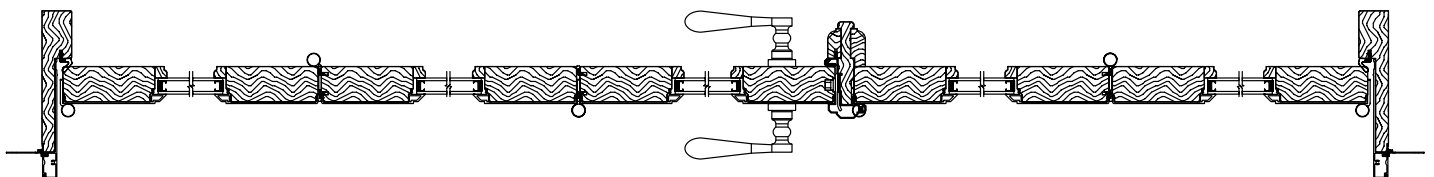
Clad Fold-A-Way
12" Bottom Rail Option
Vertical Section



Clad Fold-A-Way Patio Door - OOXL
Horizontal Section
(Drawing Not to scale)



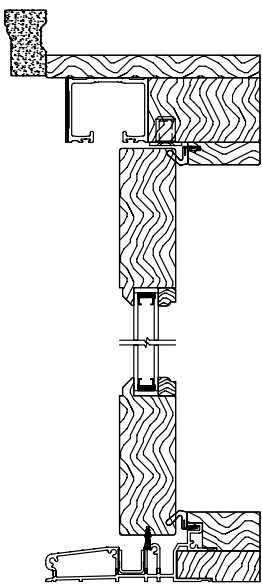
Clad Fold-A-Way Patio Door - OOXR
Horizontal Section
(Drawing Not to scale)



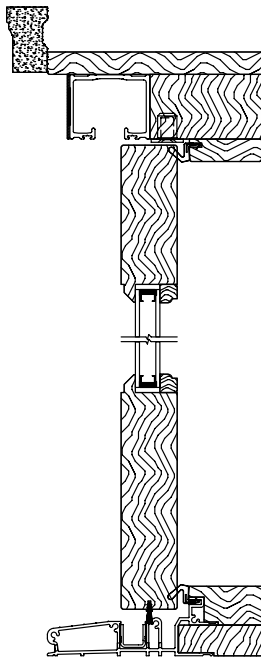
Clad Fold-A-Way Patio Door - OOXLO
(Drawing Not to scale)

Fold-A-Way Patio Doors

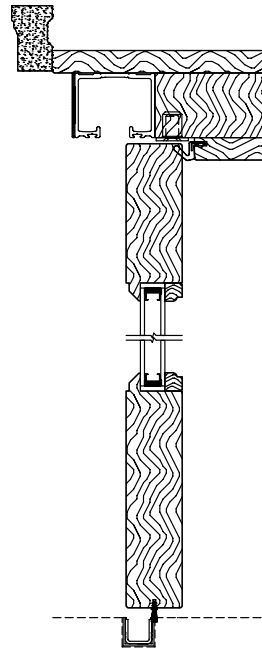
Scale: 2"=1' (all sections)



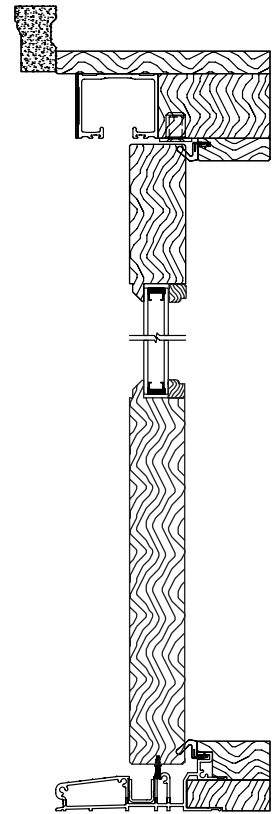
Wood Fold-A-Way
6/6 Height
Vertical Section



Wood Fold-A-Way
6/8, 7/0 & 8/0 Height
Vertical Section



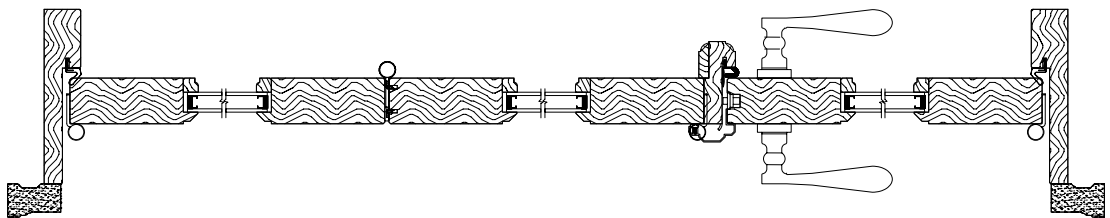
Wood Fold-A-Way
Floor Channel Application
6/8, 7/0 & 8/0 Height
Vertical Section



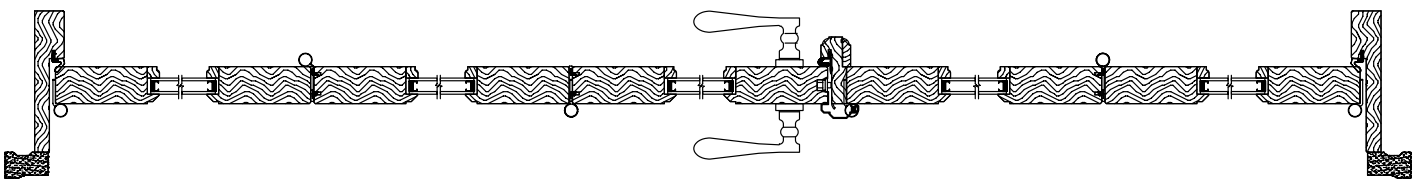
Wood Fold-A-Way
12" Bottom Rail Option
Vertical Section



Wood Fold-A-Way Patio Door - OOXL
Horizontal Section
(Drawing Not to scale)



Wood Fold-A-Way Patio Door - OOXR
Horizontal Section
(Drawing Not to scale)

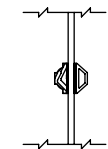


Wood Fold-A-Way Patio Door - OOXLOO
(Drawing Not to scale)

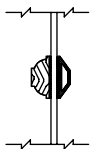
Grille Options

Not Scaled

Simulated Divided Lites



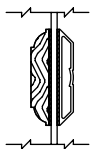
5/8" SDL
Single Glazed



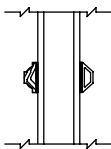
7/8" Profiled SDL
Single Glazed



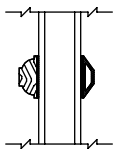
1-1/8" SDL
Single Glazed



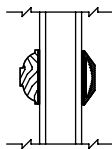
2" SDL
Single Glazed



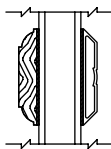
5/8" SDL
w/o Internal Grille



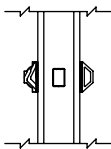
7/8" SDL
w/o Internal Grille



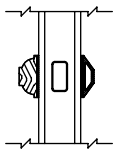
1-1/8" SDL
w/o Internal Grille



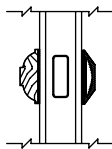
2" SDL
w/o Internal Grille



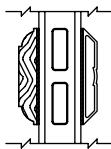
5/8" Simulated Divided Lite
with Internal Grille



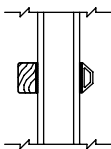
7/8" Simulated Divided Lite
with Internal Grille



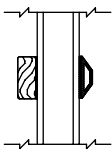
1-1/8" Simulated Divided Lite
with Internal Grille



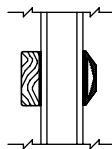
2" Simulated Divided Lite
with Internal Grille



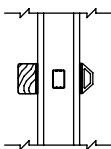
5/8" Square interior SDL
w/o Internal Grille



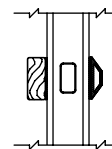
7/8" Square interior SDL
w/o Internal Grille



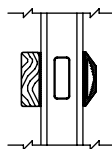
1-1/8" Square interior SDL
w/o Internal Grille



5/8" Square interior SDL
with Internal Grille

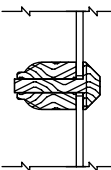


7/8" Square interior SDL
with Internal Grille

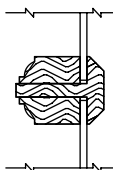


1-1/8" Square interior SDL
with Internal Grille

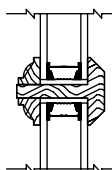
True Divided Lites



7/8" True Divided Lite
Single Glazed



1-1/4" True Divided Lite
Single Glazed



1-1/4" True Divided Lite

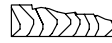
Trim Options

Not Scaled

Interior Trim



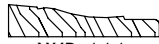
WM-376



Princeton



WP-442



WP-444



Colonial



Ranch



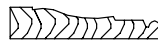
F-131



GR-499



WM-356

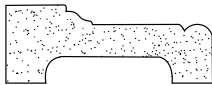


WP-445



RB3-Rowell

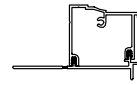
Exterior Trim



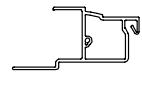
Williamsburg Exterior
Colonial - PVC



2" Brickmould



2" Brickmould
Aluminum



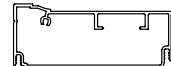
2" Brickmould
Vinyl Clad



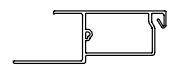
Backband Casing - PVC



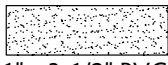
Backband Add-On
For Flat Casing



4" Brickmould
Aluminum



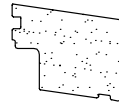
Flat Casing
Vinyl Clad



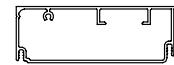
1" x 3-1/2" PVC
Flat Casing



Double Hung
Sill Nosing



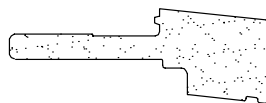
2" Double Hung
Sill Nosing



4" Flat Casing
Aluminum



1" x 5-1/2" PVC
Flat Casing



2" Casement
Sill Nosing
(adds 1/2" to rough opening height)



1/4" Sill Nosing
Aluminum



7/8" Sill Nosing
Aluminum

Casement Single Unit Elevations

Unit Dimension given for primed units only

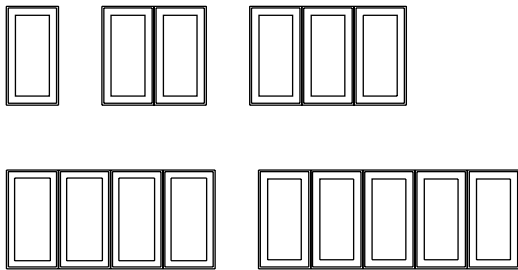
Clad Unit Dimension is identical to Frame Size

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

Shaded units meet UBC egress codes (5.7 sq. ft., 20" width, 24" height minimum) in standard 6'10" header application

Note: 2" Sill Nosing Option adds 1/2" to Rough Opening Height.

Casement Multiple Unit Elevations



CASEMENT MULTIPLE UNIT FORMULA

Multiple unit Frame Dimension equals the sum of the individual Frame Dimension

Multiple unit Rough Opening equals the sum of the individual Frame Dimension plus $\frac{1}{2}$ "

Clad Unit Dimension – Same as Multiple Unit Frame Dimension

Primed multiple Unit Dimension equals the sum of the total rough opening plus $2\frac{3}{8}$ " in width and the total rough opening plus $1\frac{3}{8}$ " in height

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

		Primed Unit Dimension	Rough Opening	Frame	Glass	19 $\frac{1}{16}$ "	23 $\frac{1}{16}$ "	27 $\frac{1}{16}$ "	31 $\frac{1}{16}$ "	35 $\frac{1}{16}$ "	39 $\frac{1}{16}$ "
						17 $\frac{1}{2}$ "	21 $\frac{1}{2}$ "	25 $\frac{1}{2}$ "	29 $\frac{1}{2}$ "	33 $\frac{1}{2}$ "	37 $\frac{1}{2}$ "
						17"	21"	25"	29"	33"	37"
						12"	16"	20"	24"	28"	32"
	34 $\frac{7}{8}$ "										
		1228	1628	2028	2428	2828	3228				
	40 $\frac{7}{8}$ "										
		1234	1634	2034	2434	2834	3234				
	42 $\frac{7}{8}$ "										
		1236	1636	2036	2436	2836	3236				
	48 $\frac{7}{8}$ "										
		1242	1642	2042	2442	2842	3242				
	54 $\frac{7}{8}$ "										
		1248	1648	2048	2448	2848	3248				
	60 $\frac{7}{8}$ "										
		1254	1654	2054	2454	2854	3254				
	66 $\frac{7}{8}$ "										
		1260	1660	2060	2460	2860	3260				
	74 $\frac{7}{8}$ "										
		1268	1668	2068	2468	2868	3268				
	78 $\frac{7}{8}$ "										
		1272	1672	2072	2472	2872	3272				
	85 $\frac{7}{8}$ "										
		1279	1679	2079	2479	2879	3279				

Casement Multiple Unit Charts

12" Casement Units

Glass Height	R.O. Height	2 Wide R.O. Width	3 Wide R.O. Width	4 Wide R.O. Width	5 Wide R.O. Width
		34 ½"	51 ½"	68 ½"	73 ½"
28"	33 ½"	C2-1228	C3-1228	C4-1228	C5-1228
34"	39 ½"	C2-1234	C3-1234	C4-1234	C5-1234
36"	41 ½"	C2-1236	C3-1236	C4-1236	C5-1236
42"	47 ½"	C2-1242	C3-1242	C4-1242	C5-1242
48"	53 ½"	C2-1248	C3-1248	C4-1248	C5-1248
54"	59 ½"	C2-1254	C3-1254	C4-1254	C5-1254
60"	65 ½"	C2-1260	C3-1260	C4-1260	C5-1260
68"	73 ½"	C2-1268	C3-1268	C4-1268	C5-1268
72"	77 ½"	C2-1272	C3-1272	C4-1272	C5-1272
79"	84 ½"	C2-1279	C3-1279	C4-1279	C5-1279

16" Casement Units

Glass Height	R.O. Height	2 Wide R.O. Width	3 Wide R.O. Width	4 Wide R.O. Width	5 Wide R.O. Width
		42 ½"	63 ½"	72 ½"	105 ½"
28"	33 ½"	C2-1628	C3-1628	C4-1628	C5-1628
34"	39 ½"	C2-1634	C3-1634	C4-1634	C5-1634
36"	41 ½"	C2-1636	C3-1636	C4-1636	C5-1636
42"	47 ½"	C2-1642	C3-1642	C4-1642	C5-1642
48"	53 ½"	C2-1648	C3-1648	C4-1648	C5-1648
54"	59 ½"	C2-1654	C3-1654	C4-1654	C5-1654
60"	65 ½"	C2-1660	C3-1660	C4-1660	C5-1660
68"	73 ½"	C2-1668	C3-1668	C4-1668	C5-1668
72"	77 ½"	C2-1672	C3-1672	C4-1672	C5-1672
79"	84 ½"	C2-1679	C3-1679	C4-1679	C5-1679

20" Casement Units

Glass Height	R.O. Height	2 Wide R.O. Width	3 Wide R.O. Width	4 Wide R.O. Width	5 Wide R.O. Width
		50 ½"	75 ½"	100 ½"	125 ½"
28"	33 ½"	C2-2028	C3-2028	C4-2028	C5-2028
34"	39 ½"	C2-2034	C3-2034	C4-2034	C5-2034
36"	41 ½"	C2-2036	C3-2036	C4-2036	C5-2036
42"	47 ½"	C2-2042	C3-2042	C4-2042	C5-2042
48"	53 ½"	C2-2048	C3-2048	C4-2048	C5-2048
54"	59 ½"	C2-2054	C3-2054	C4-2054	C5-2054
60"	65 ½"	C2-2060	C3-2060	C4-2060	C5-2060
68"	73 ½"	C2-2068	C3-2068	C4-2068	C5-2068
72"	77 ½"	C2-2072	C3-2072	C4-2072	C5-2072
79"	84 ½"	C2-2079	C3-2079	C4-2079	C5-2079

Casement Multiple Unit Charts

24" Casement Units

Glass Heights	R.O. Heights	2 Wide R.O. Width	3 Wide R.O. Width	4 Wide R.O. Width	5 Wide R.O. Width
		58 ½"	87 ½"	116 ½"	145 ½"
28"	33 ½"	C2-2428	C3-2428	C4-2428	C5-2428
34"	39 ½"	C2-2434	C3-2434	C4-2434	C5-2434
36"	41 ½"	C2-2436	C3-2436	C4-2436	C5-2436
42"	47 ½"	C2-2442	C3-2442	C4-2442	C5-2442
48"	53 ½"	C2-2448	C3-2448	C4-2448	C5-2448
54"	59 ½"	C2-2454	C3-2454	C4-2454	C5-2454
60"	65 ½"	C2-2460	C3-2460	C4-2460	C5-2460
68"	73 ½"	C2-2468	C3-2468	C4-2468	C5-2468
72"	77 ½"	C2-2472	C3-2472	C4-2472	C5-2472
79"	84 ½"	C2-2479	C3-2479	C4-2479	C5-2479

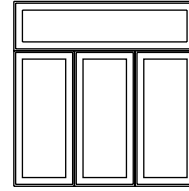
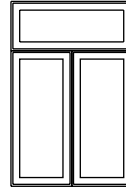
28" Casement Units

Glass Heights	R.O. Heights	2 Wide R.O. Width	3 Wide R.O. Width	4 Wide R.O. Width	5 Wide R.O. Width
		66 ½"	99 ½"	132' ½"	165 ½"
28"	33 ½"	C2-2828	C3-2828	C4-2828	C5-2828
34"	39 ½"	C2-2834	C3-2834	C4-2834	C5-2834
36"	41 ½"	C2-2836	C3-2836	C4-2836	C5-2836
42"	47 ½"	C2-2842	C3-2842	C4-2842	C5-2842
48"	53 ½"	C2-2848	C3-2848	C4-2848	C5-2848
54"	59 ½"	C2-2854	C3-2854	C4-2854	C5-2854
60"	65 ½"	C2-2860	C3-2860	C4-2860	C5-2860
68"	73 ½"	C2-2868	C3-2868	C4-2868	C5-2868
72"	77 ½"	C2-2872	C3-2872	C4-2872	C5-2872
79"	84 ½"	C2-2879	C3-2879	C4-2879	C5-2879

32" Casement Units

Glass Heights	R.O. Heights	2 Wide R.O. Width	3 Wide R.O. Width	4 Wide R.O. Width	5 Wide R.O. Width
		74 ½"	111 ½"	148 ½"	185 ½"
28"	33 ½"	C2-3228	C3-3228	C4-3228	C5-3228
34"	39 ½"	C2-3234	C3-3234	C4-3234	C5-3234
36"	41 ½"	C2-3236	C3-3236	C4-3236	C5-3236
42"	47 ½"	C2-3242	C3-2842	C4-3242	C5-3242
48"	53 ½"	C2-3248	C3-3248	C4-3248	C5-3248
54"	59 ½"	C2-3254	C3-3254	C4-3254	C5-3254
60"	65 ½"	C2-3260	C3-3260	C4-3260	C5-3260
68"	73 ½"	C2-3268	C3-3268	C4-3268	C5-3268
72"	77 ½"	C2-3272	C3-3272	C4-3272	C5-3272
79"	84 ½"	C2-3279	C3-3279	C4-3279	C5-3279

Casement Transom Unit Charts



Frame Height	Frame Width			
	Glass Heights	Glass Width 1 - 12	Glass Width 2 - 12	Glass Width 3 - 13
1' 1"	8"	CT1-12/08-1	CT2-12/08-1	CT3-12/08-1
1' 5"	12"	CT1-12/12-1	CT2-12/12-1	CT3-12/12-1
1' 9"	16"	CT1-12/16-1	CT2-12/16-1	CT3-12/16-1
2' 1"	20"	CT1-12/20-1	CT2-12/20-1	CT3-12/20-1

Frame Height	Frame Width			
	Glass Heights	Glass Width 1 - 16	Glass Width 2 - 16	Glass Width 3 - 16
1' 1"	8"	CT1-16/08-1	CT2-16/08-1	CT3-16/08-1
1' 5"	12"	CT1-16/12-1	CT2-16/12-1	CT3-16/12-1
1' 9"	16"	CT1-16/16-1	CT2-16/16-1	CT3-16/16-1
2' 1"	20"	CT1-16/20-1	CT2-16/20-1	CT3-16/20-1









































































Frame Height	Frame Width			
	Glass Heights	Glass Width 1 - 20	Glass Width 2 - 20	Glass Width 3 - 20
1' 1"	8"	CT1-20/08-1	CT2-20/08-1	CT3-20/08-1
1' 5"	12"	CT1-20/12-1	CT2-20/12-1	CT3-20/12-1
1' 9"	16"	CT1-20/16-1	CT2-20/16-1	CT3-20/16-1
2' 1"	20"	CT1-20/20-1	CT2-20/20-1	CT3-20/20-1

Frame Height	Frame Width			
	Glass Heights	Glass Width 1 - 24	Glass Width 2 - 24	Glass Width 3 - 24
1' 1"	8"	CT1-24/08-1	CT2-24/08-1	CT3-24/08-1
1' 5"	12"	CT1-24/12-1	CT2-24/12-1	CT3-24/12-1
1' 9"	16"	CT1-24/16-1	CT2-24/16-1	CT3-24/16-1
2' 1"	20"	CT1-24/20-1	CT2-24/20-1	CT3-24/20-1

Frame Height	Frame Width			
	Glass Heights	Glass Width 1 - 28	Glass Width 2 - 28	Glass Width 3 - 28
1' 1"	8"	CT1-28/08-1	CT2-28/08-1	CT3-28/08-1
1' 5"	12"	CT1-28/12-1	CT2-28/12-1	CT3-28/12-1
1' 9"	16"	CT1-28/16-1	CT2-28/16-1	CT3-28/16-1
2' 1"	20"	CT1-28/20-1	CT2-28/20-1	CT3-28/20-1

Frame Height	Frame Width			
	Glass Heights	Glass Width 1 - 32	Glass Width 2 - 32	Glass Width 3 - 32
1' 1"	8"	CT1-32/08-1	CT2-32/08-1	CT3-32/08-1
1' 5"	12"	CT1-32/12-1	CT2-32/12-1	CT3-32/12-1
1' 9"	16"	CT1-32/16-1	CT2-32/16-1	CT3-32/16-1
2' 1"	20"	CT1-32/20-1	CT2-32/20-1	CT3-32/20-1

Casement Studio Unit Elevations

		Primed Unit Dimension								
		Rough Opening								
		Frame								
		Glass								
		39 $\frac{1}{16}$ "	43 $\frac{1}{16}$ "	49 $\frac{1}{16}$ "	51 $\frac{1}{16}$ "	55 $\frac{1}{16}$ "	63 $\frac{1}{16}$ "	67 $\frac{1}{16}$ "	75 $\frac{1}{16}$ "	79 $\frac{1}{16}$ "
		37 $\frac{1}{2}$ "	41 $\frac{1}{2}$ "	47 $\frac{1}{2}$ "	49 $\frac{1}{2}$ "	53 $\frac{1}{2}$ "	61 $\frac{1}{2}$ "	65 $\frac{1}{2}$ "	73 $\frac{1}{2}$ "	77 $\frac{1}{2}$ "
		37"	41"	47"	49"	53"	61"	65"	73"	77"
		32"	36"	42"	44"	48"	56"	60"	68"	72"
42"	42 $\frac{1}{2}$ "									
3236	3636	4236	4436	4836	5636	6036	6836	7236		
48"	47 $\frac{1}{2}$ "									
3242	3642	4242	4442	4842	5642	6042	6842	7242		
54"	53 $\frac{1}{2}$ "									
3248	3648	4248	4448	4848	5648	6048	6848	7248		
60"	59 $\frac{1}{2}$ "									
3254	3654	4254	4454	4854	5654	6054	6854	7254		
66"	65 $\frac{1}{2}$ "									
3260	3660	4260	4460	4860	5660	6060	6860	7260		
74"	73 $\frac{1}{2}$ "									
3268	3668	4268	4468	4868	5668	6068	6868	7268		
78"	77 $\frac{1}{2}$ "									
3272	3672	4272	4472	4872	5672	6072	6872	7272		
85 $\frac{1}{2}$ "	84 $\frac{1}{2}$ "									
3279	3679	4279	4479	4879	5679	6079	6879	7279		

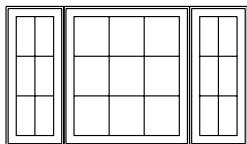
Unit Dimension given for primed units only

Clad Unit Dimension is identical to Frame Size

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

Units 48" x 48" or larger use 1" insulated glass.

Casement Triple Picture Unit



Casement Triple Picture Units consist of a Studio Unit Center with two single casement flankers

Triple Picture Frame dimensions equal the sum of the individual boxes.

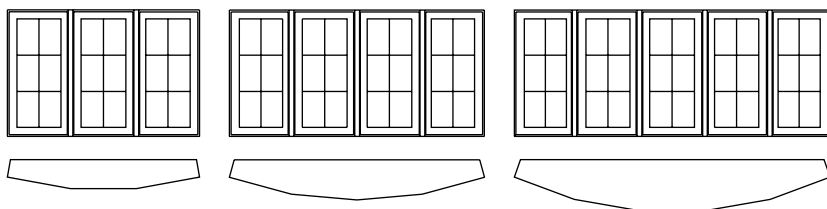
Triple Picture Rough Opening Dimension equals the complete frame dimension plus $\frac{1}{2}$ "

Clad Triple Picture Unit Dimension – Same as Triple Picture Frame Dimension

Primed Triple Picture Unit Dimension equals the sum of the Total Rough Opening plus $2\frac{5}{8}$ " width and $1\frac{1}{8}$ " height

Masonry Opening: Recommended Minimum of Unit Dimension plus $\frac{1}{4}$ "

Casement Bow Unit



16" Glass Widths

		3 Wide	4 Wide	5 Wide
Unit Dimension	Clad	64 $\frac{5}{16}$ "	85 $\frac{5}{16}$ "	105 $\frac{11}{16}$ "
	Primed	67 $\frac{1}{8}$ "	88 $\frac{1}{8}$ "	108 $\frac{7}{16}$ "
Rough Opening	Clad	64 $\frac{7}{8}$ "	85 $\frac{11}{16}$ "	105 $\frac{7}{8}$ "
	Primed	64 $\frac{1}{4}$ "	85"	105 $\frac{1}{16}$ "
Projection	Clad	5"	8 $\frac{11}{16}$ "	12 $\frac{3}{8}$ "
	Primed	5"	8 $\frac{7}{8}$ "	12 $\frac{3}{8}$ "

20" Glass Widths

		3 Wide	4 Wide	5 Wide
Unit Dimension	Clad	76 $\frac{5}{16}$ "	101"	125 $\frac{11}{16}$ "
	Primed	79"	103 $\frac{13}{16}$ "	127 $\frac{13}{16}$ "
Rough Opening	Clad	76 $\frac{3}{4}$ "	101 $\frac{3}{8}$ "	125 $\frac{1}{4}$ "
	Primed	76 $\frac{1}{8}$ "	100 $\frac{11}{16}$ "	124 $\frac{7}{16}$ "
Projection	Clad	5 $\frac{11}{16}$ "	10 $\frac{1}{16}$ "	14 $\frac{7}{16}$ "
	Primed	5 $\frac{3}{4}$ "	10 $\frac{1}{4}$ "	14 $\frac{11}{16}$ "

24" Glass Widths

		3 Wide	4 Wide	5 Wide
Unit Dimension	Clad	88 $\frac{5}{16}$ "	116 $\frac{11}{16}$ "	144 $\frac{1}{2}$ "
	Primed	90 $\frac{7}{8}$ "	119 $\frac{1}{2}$ "	147 $\frac{3}{16}$ "
Rough Opening	Clad	88 $\frac{5}{8}$ "	117 $\frac{1}{16}$ "	144 $\frac{11}{16}$ "
	Primed	88"	116 $\frac{3}{8}$ "	143 $\frac{7}{8}$ "
Projection	Clad	6 $\frac{3}{8}$ "	11 $\frac{1}{2}$ "	16 $\frac{1}{2}$ "
	Primed	6 $\frac{1}{8}$ "	11 $\frac{3}{8}$ "	16 $\frac{3}{4}$ "

Glass Heights

36"
42"
48"
54"
60"

Unit Dimension Clad/Primed Heights

41"/42 $\frac{1}{2}$ "
47"/48 $\frac{7}{8}$ "
53"/54 $\frac{7}{8}$ "
59"/60 $\frac{7}{8}$ "
65"/66 $\frac{7}{8}$ "

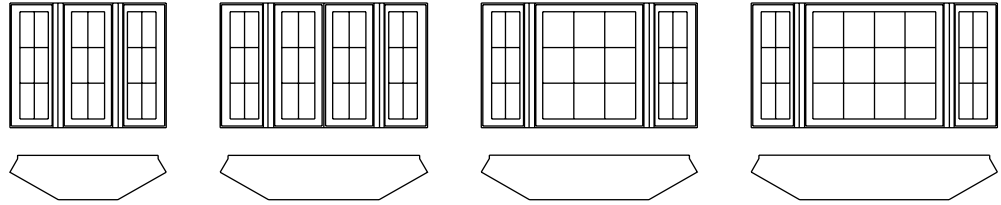
Rough Opening Heights

42 $\frac{3}{4}$ "
48 $\frac{3}{4}$ "
54 $\frac{3}{4}$ "
60 $\frac{3}{4}$ "
66 $\frac{3}{4}$ "

Vertical rough openings indicated are standard unit heights with $1\frac{1}{4}$ " added for head and seat boards – deduct for walk out bow

Vertical unit dimensions reflect clad to clad and brickmould to sill nosing. The use of head and seat boards will add an additional $1\frac{1}{4}$ " to the overall frame height.

Casement Bay Window (30°)



	Glass	16/16/16"	16/16/16/16"	16/48/16"	16/60/16"
Unit Dimension	Clad	63"	84"	95"	107"
	Primed	65 $\frac{5}{8}$ "	86 $\frac{5}{8}$ "	97 $\frac{5}{8}$ "	109 $\frac{5}{8}$ "
Rough Opening	Clad	62 $\frac{7}{8}$ "	83 $\frac{7}{8}$ "	94 $\frac{7}{8}$ "	106 $\frac{7}{8}$ "
	Primed	61 $\frac{3}{4}$ "	82 $\frac{3}{4}$ "	93 $\frac{3}{4}$ "	105 $\frac{3}{4}$ "
Projection	Clad	12 $\frac{3}{8}$ "	12 $\frac{3}{8}$ "	12 $\frac{3}{8}$ "	12 $\frac{3}{8}$ "
	Primed	12 $\frac{1}{8}$ "	12 $\frac{1}{8}$ "	12 $\frac{1}{8}$ "	12 $\frac{1}{8}$ "

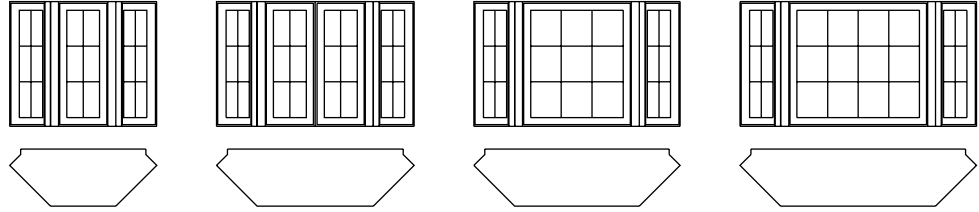
	Glass	20/20/20"	20/20/20/20"	20/48/20"	20/60/20"
Unit Dimension	Clad	74"	99"	102"	114"
	Primed	76 $\frac{5}{8}$ "	101 $\frac{5}{8}$ "	104 $\frac{5}{8}$ "	116 $\frac{5}{8}$ "
Rough Opening	Clad	73 $\frac{1}{2}$ "	98 $\frac{1}{2}$ "	101 $\frac{1}{2}$ "	113 $\frac{1}{2}$ "
	Primed	72 $\frac{1}{2}$ "	97 $\frac{1}{2}$ "	100 $\frac{1}{2}$ "	112 $\frac{1}{2}$ "
Projection	Clad	14 $\frac{3}{8}$ "	14 $\frac{3}{8}$ "	14 $\frac{3}{8}$ "	14 $\frac{3}{8}$ "
	Primed	14 $\frac{1}{8}$ "	14 $\frac{1}{8}$ "	14 $\frac{1}{8}$ "	14 $\frac{1}{8}$ "

Glass Heights	Unit Dimension Clad/Primed Heights	Rough Opening Heights
36	41"/42 $\frac{1}{8}$ "	42 $\frac{3}{4}$ "
42	47"/48 $\frac{1}{8}$ "	48 $\frac{3}{4}$ "
48	53"/54 $\frac{1}{8}$ "	54 $\frac{3}{4}$ "
54	59"/60 $\frac{1}{8}$ "	60 $\frac{3}{4}$ "
60	65"/66 $\frac{1}{8}$ "	66 $\frac{3}{4}$ "

Vertical rough openings indicated are standard unit heights with 1 $\frac{1}{4}$ " added for head and seat boards – deduct for walk out unit

Vertical unit dimensions reflect clad to clad and brickmould to sill nosing. The use of head and seat boards will add an additional 1 $\frac{1}{4}$ " to the overall frame height.

Casement Bay Window (45°)



	Glass	16/16/16"	16/16/16/16"	16/48/16"	16/60/16"
Unit Dimension	Clad	58 $\frac{3}{4}$ "	79 $\frac{3}{4}$ "	90 $\frac{3}{4}$ "	102 $\frac{3}{4}$ "
	Primed	60 $\frac{7}{8}$ "	81 $\frac{1}{8}$ "	92 $\frac{7}{8}$ "	104 $\frac{7}{8}$ "
Rough Opening	Clad	58 $\frac{1}{8}$ "	79 $\frac{1}{8}$ "	90 $\frac{1}{8}$ "	102 $\frac{1}{8}$ "
	Primed	55 $\frac{5}{16}$ "	76 $\frac{5}{16}$ "	87 $\frac{5}{16}$ "	99 $\frac{5}{16}$ "
Projection	Clad	17 $\frac{1}{2}$ "	17 $\frac{1}{2}$ "	17 $\frac{1}{2}$ "	17 $\frac{1}{2}$ "
	Primed	18 $\frac{1}{4}$ "	18 $\frac{1}{4}$ "	18 $\frac{1}{4}$ "	18 $\frac{1}{4}$ "

	Glass	20/20/20"	20/20/20/20"	20/48/20"	20/60/20"
Unit Dimension	Clad	68 $\frac{3}{8}$ "	93 $\frac{3}{8}$ "	96 $\frac{3}{8}$ "	108 $\frac{3}{8}$ "
	Primed	70 $\frac{5}{8}$ "	95 $\frac{5}{8}$ "	98 $\frac{5}{8}$ "	110 $\frac{5}{8}$ "
Rough Opening	Clad	67 $\frac{13}{16}$ "	92 $\frac{13}{16}$ "	95 $\frac{13}{16}$ "	107 $\frac{13}{16}$ "
	Primed	65 $\frac{1}{4}$ "	90 $\frac{1}{4}$ "	93 $\frac{1}{4}$ "	105 $\frac{1}{4}$ "
Projection	Clad	20 $\frac{5}{16}$ "	20 $\frac{5}{16}$ "	20 $\frac{5}{16}$ "	20 $\frac{5}{16}$ "
	Primed	21 $\frac{1}{16}$ "	21 $\frac{1}{16}$ "	21 $\frac{1}{16}$ "	21 $\frac{1}{16}$ "


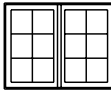
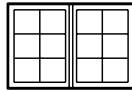

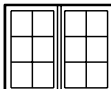
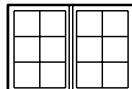

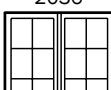
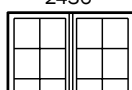

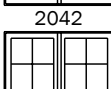
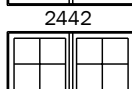


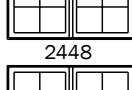

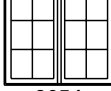
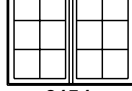

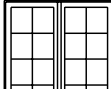
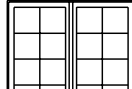




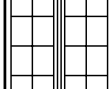
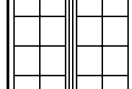

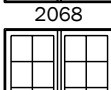
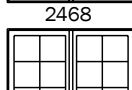
Glass Heights	Unit Dimension Clad/Primed Heights	Rough Opening Heights
36"	41"/42 $\frac{1}{8}$ "	42 $\frac{3}{4}$ "
42"	47"/48 $\frac{1}{8}$ "	48 $\frac{3}{4}$ "
48"	53"/54 $\frac{1}{8}$ "	54 $\frac{3}{4}$ "
54"	59"/60 $\frac{1}{8}$ "	60 $\frac{3}{4}$ "
60"	65"/66 $\frac{1}{8}$ "	66 $\frac{3}{4}$ "

Vertical rough openings indicated are standard unit heights with 1 $\frac{1}{4}$ " added for head and seat boards – deduct for walk out unit


















































Vertical unit dimensions reflect clad to clad and brickmould to sill nosing. The use of head and seat boards will add an additional 1 $\frac{1}{4}$ " to the overall frame height.

French Casement Elevations

Clad Unit Dimension is identical to Frame Size.

	Primed Unit Dimension			Rough Opening			Frame			Glass		
	44 ¹³ / ₁₆ "			52 ¹³ / ₁₆ "			60 ¹³ / ₁₆ "			42 ¹ / ₂ "		
	42 ¹ / ₂ "			50 ¹ / ₂ "			58 ¹ / ₂ "			42"		
	16 ⁷ / ₁₆ "			20 ⁷ / ₁₆ "			24 ⁷ / ₁₆ "					
40 ¹ / ₈ "												
42 ¹ / ₈ "												
48 ¹ / ₈ "												
54 ¹ / ₈ "												
60 ¹ / ₈ "												
66 ¹ / ₈ "												
74 ¹ / ₈ "												
77 ¹ / ₂ "												
77"												
71 ¹⁵ / ₁₆ "												

Awning Single Unit Elevations

<div> <div>Primed Unit Dimension</div> <div>Rough Opening</div> <div>Frame</div> <div>Glass</div> </div>	23 $\frac{13}{16}$ "	27 $\frac{13}{16}$ "	31 $\frac{13}{16}$ "	35 $\frac{13}{16}$ "	39 $\frac{13}{16}$ "	43 $\frac{13}{16}$ "	49 $\frac{13}{16}$ "
	21 $\frac{1}{2}$ "	25 $\frac{1}{2}$ "	29 $\frac{1}{2}$ "	33 $\frac{1}{2}$ "	37 $\frac{1}{2}$ "	41 $\frac{1}{2}$ "	47 $\frac{1}{2}$ "
	21"	25"	29"	33"	37"	41"	47"
	16"	20"	24"	28"	32"	36"	42"
22 $\frac{1}{8}$ "	 1616	 2016	 2416	 2816	 3216	 3616	 4216
26 $\frac{1}{8}$ "	 1620	 2020	 2420	 2820	 3220	 3620	 4220
28 $\frac{7}{8}$ "	 1622	 2022	 2422	 2822	 3222	 3622	 4222
30 $\frac{1}{8}$ "	 1624	 2024	 2424	 2824	 3224	 3624	 4224
38 $\frac{7}{8}$ "	 1632	 2032	 2432	 2832	 3232	 3632	 4232
40 $\frac{1}{8}$ "	 1634	 2034	 2434	 2834	 3234	 3634	 4234
42 $\frac{1}{8}$ "	 1636	 2036	 2436	 2836	 3236	 3636	 4236

Unit Dimension given for primed units only.

Clad Unit Dimension is identical to Frame Size

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

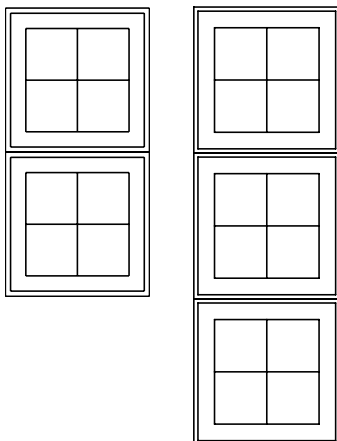
Awning Multiple Unit Charts

2 High Units

Glass Height	R.O. Height	16" Glass	20" Glass	24" Glass	28" Glass	32" Glass	36" Glass	42" Glass
		R.O. Width 21 ½"	R.O. Width 25 ½"	R.O. Width 29 ½"	R.O. Width 33 ½"	R.O. Width 37 ½"	R.O. Width 41 ½"	R.O. Width 47 ½"
2 High 16"	42 ½"	A12-1616	A12-2016	A12-2416	A12-2816	A12-3216	A12-3616	A12-4216
2 High 20"	50 ½"	A12-1620	A12-2020	A12-2420	A12-2820	A12-3220	A12-3620	A12-4220
2 High 22"	54 ½"	A12-1622	A12-2022	A12-2422	A12-2822	A12-3222	A12-3622	A12-4222
2 High 24"	58 ½"	A12-1624	A12-2024	A12-2424	A12-2824	A12-3224	A12-3624	A12-4224
2 High 32"	74 ½"	A12-1632	A12-2032	A12-2432	A12-2824	A12-3232	A12-3632	A12-4232
2 High 36"	78 ½"	A12-1636	A12-2036	A12-2436	A12-2836	A12-3236	A12-3636	A12-4236
2 High 42"	84 ½"	A12-1642	A12-2042	A12-2442	A12-2842	A12-3242	A12-3642	A12-4242

3 High Units

Glass Height	R.O. Height	16" Glass	20" Glass	24" Glass	28" Glass	32" Glass	36" Glass	42" Glass
		R.O. Width 21 ½"	R.O. Width 25 ½"	R.O. Width 29 ½"	R.O. Width 33 ½"	R.O. Width 37 ½"	R.O. Width 41 ½"	R.O. Width 47 ½"
3 High 16"	63 ½"	A13-1616	A13-2016	A13-2416	A13-2816	A13-3216	A13-3616	A13-4216
3 High 20"	75 ½"	A13-1620	A13-2020	A13-2420	A13-2820	A13-3220	A13-3620	A13-4220
3 High 22"	81 ½"	A13-1622	A13-2022	A13-2422	A13-2822	A13-3222	A13-3622	A13-4222
3 High 24"	87 ½"	A13-1624	A13-2024	A13-2424	A13-2824	A13-3224	A13-3624	A13-4224
3 High 32"	111 ½"	A13-1632	A13-2032	A13-2432	A13-2824	A13-3232	A13-3632	A12-4232
3 High 36"	123 ½"	A13-1636	A13-2036	A13-2436	A13-2836	A13-3236	A13-3636	A12-4236
3 High 42"	141 ½"	A13-1642	A13-2042	A13-2442	A13-2842	A13-3242	A13-3642	A12-4242



AWNING MULTIPLE UNIT FORMULA

Awning windows may be mulled in width as well as height. Calculate the rough opening and unit dimension as follows:

Multiple unit Frame Dimension equals the sum of the individual frame boxes

Multiple unit Rough Opening equals the sum of the individual boxes plus ½"

Clad Unit Dimension – Same as Multiple Unit Frame Dimension

Primed multiple Unit Dimension equals the total Rough Opening plus 2 5/8" width and the Rough Opening plus 1 3/8" height.

Masonry Opening: Recommended minimum of Unit Dimension plus ¼" or Frame Dimension

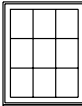
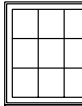
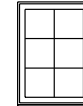
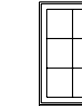
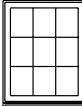
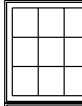
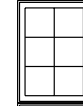
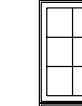
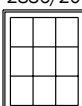
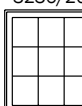
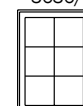
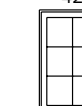
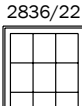
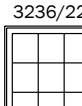

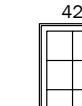




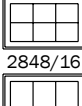
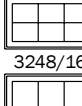


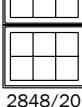


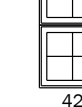




NOTE: These formulas apply to mulled and stacked standard units as well as Awning Picture Units

Awning/Picture Unit Elevations

Unit Dimension given for primed units only.

Clad Unit Dimension is identical to Frame Size

Masonry Opening: Recommended minimum of Unit or
Frame Dimension plus $\frac{1}{4}$ "

				Primed Unit Dimension			
				Rough Opening			
				Frame			
				Glass			
				35 $\frac{13}{16}$ "	39 $\frac{13}{16}$ "	43 $\frac{13}{16}$ "	49 $\frac{13}{16}$ "
				33 $\frac{1}{2}$ "	37 $\frac{1}{2}$ "	41 $\frac{1}{2}$ "	47 $\frac{1}{2}$ "
				33"	37"	41"	47"
				28"	32"	36"	42"
63 $\frac{1}{8}$ "							
				2836/16	3236/16	3636/16	4236/16
67 $\frac{1}{8}$ "							
				2836/20	3236/20	3636/20	4236/20
69 $\frac{1}{8}$ "							
				2836/22	3236/22	3636/22	4236/22
71 $\frac{1}{8}$ "							
				2836/24	3236/24	3636/24	4236/24
75 $\frac{1}{8}$ "							
				2848/16	3248/16	3648/16	4248/16
79 $\frac{1}{8}$ "							
				2848/20	3248/20	3648/20	4248/20
81 $\frac{1}{8}$ "							
				2848/22	3248/22	3648/22	4248/22
83 $\frac{1}{8}$ "							
				2848/24	3248/24	3648/24	4248/24

Double Hung Unit Elevations

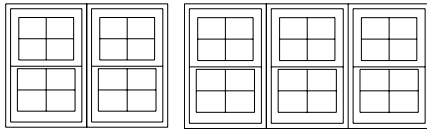
Unit Dimension given for primed units only

Clad Unit Dimension is identical to Frame Size

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

Shaded units meet UBC egress codes (5.7 sq. ft., 20" width, 24" height minimum) in standard 6'10" header application

Double Hung Multiple Unit Elevations



DOUBLE HUNG MULTIPLE UNIT FORMULA

Multiple unit Frame Dimension equals the sum of the individual boxes

Multiple unit Rough Opening equals the sum of the individual boxes plus $\frac{1}{2}$ "

Clad Unit Dimension – Same as Multiple Unit Frame Dimension

Primed multiple Unit Dimension equals the total rough opening plus $2\frac{1}{8}$ " in width and the total rough opening plus $1\frac{1}{4}$ " in height

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

	Unit Dimension						
	24"	28"	32"	36"	40"	44"	48"
	21 $\frac{1}{8}$ "	25 $\frac{7}{8}$ "	29 $\frac{7}{8}$ "	33 $\frac{7}{8}$ "	37 $\frac{7}{8}$ "	41 $\frac{7}{8}$ "	45 $\frac{7}{8}$ "
	21 $\frac{3}{8}$ "	25 $\frac{3}{8}$ "	29 $\frac{3}{8}$ "	33 $\frac{3}{8}$ "	37 $\frac{3}{8}$ "	41 $\frac{3}{8}$ "	45 $\frac{3}{8}$ "
	1' 8"	2' 0"	2' 4"	2' 8"	3' 0"	3' 4"	3' 8"
	Rough Opening						
	16"	20"	24"	28"	32"	36"	40"
	Frame						
	16"	20"	24"	28"	32"	36"	40"
	Sash Opening						
	16"	20"	24"	28"	32"	36"	40"
	Glass						
	16"	20"	24"	28"	32"	36"	40"
34 $\frac{1}{4}$ "							
38 $\frac{1}{4}$ "							
42 $\frac{1}{4}$ "							
46 $\frac{1}{4}$ "							
50 $\frac{1}{4}$ "							
54 $\frac{1}{4}$ "							
58 $\frac{1}{4}$ "							
62 $\frac{1}{4}$ "							
66 $\frac{1}{4}$ "							
70 $\frac{1}{4}$ "							
74 $\frac{1}{4}$ "							
78 $\frac{1}{4}$ "							
82 $\frac{1}{4}$ "							
81"							
80 $\frac{1}{2}$ "							
6' 6 $\frac{1}{2}$ "							
36"							
1612	2012	2412	2812	3212	3612	4012	
1614	2014	2414	2814	3214	3614	4014	
1616	2016	2416	2816	3216	3616	4016	
1618	2018	2418	2818	3218	3618	4018	
1620	2020	2420	2820	3220	3620	4020	
1622	2022	2422	2822	3222	3622	4022	
1624	2024	2424	2824	3224	3624	4024	
1626	2026	2426	2826	3226	3626	4026	
1628	2028	2428	2828	3228	3628	4028	
1630	2030	2430	2830	3230	3630	4030	
1632	2032	2432	2832	3232	3632	4032	
1634	2034	2434	2834	3234	3634	4034	
1636	2036	2436	2836	3236	3636	4036	

Double Hung Multiple Unit Charts













































































































Double Hung Twin Mulled Units

Glass Height	R.O. Height	16" Glass	20" Glass	24" Glass	28" Glass	32" Glass	36" Glass	40" Glass
		R.O. Width	R.O. Width	R.O. Width	R.O. Width	R.O. Width	R.O. Width	R.O. Width
		43 ¼"	51 ¼"	59 ¼"	67 ¼"	75 ¼"	83 ¼"	91 ¼"
12"	33"	DH2-1612	DH2-2012	DH2-2412	DH2-2812	DH2-3212	DH2-3612	DH2-4012
14"	37"	DH2-1614	DH2-2014	DH2-2414	DH2-2814	DH2-3214	DH2-3614	DH2-4014
16"	41"	DH2-1616	DH2-2016	DH2-2416	DH2-2816	DH2-3216	DH2-3616	DH2-4016
18"	45"	DH2-1618	DH2-2018	DH2-2418	DH2-2818	DH2-3218	DH2-3618	DH2-4018
20"	49"	DH2-1620	DH2-2020	DH2-2420	DH2-2820	DH2-3220	DH2-3620	DH2-4020
22"	53"	DH2-1622	DH2-2022	DH2-2422	DH2-2822	DH2-3222	DH2-3622	DH2-4022
24"	57"	DH2-1624	DH2-2024	DH2-2424	DH2-2824	DH2-3224	DH2-3624	DH2-4024
26"	61"	DH2-1626	DH2-2026	DH2-2426	DH2-2826	DH2-3226	DH2-3626	DH2-4026
28"	65"	DH2-1628	DH2-2028	DH2-2428	DH2-2828	DH2-3228	DH2-3628	DH2-4028
30"	69"	DH2-1630	DH2-2030	DH2-2430	DH2-2830	DH2-3230	DH2-3630	DH2-4030
32"	73"	DH2-1632	DH2-2032	DH2-2432	DH2-2832	DH2-3232	DH2-3632	DH2-4032
34"	77"	DH2-1634	DH2-2034	DH2-2434	DH2-2834	DH2-3234	DH2-3634	DH2-4034
36"	81"	DH2-1636	DH2-2036	DH2-2436	DH2-2836	DH2-3236	DH2-3636	DH2-4036

Double Hung Triple Mulled Units

Glass Height	R.O. Height	16" Glass	20" Glass	24" Glass	28" Glass	32" Glass	36" Glass	40" Glass
		R.O. Width	R.O. Width	R.O. Width	R.O. Width	R.O. Width	R.O. Width	R.O. Width
		64 ⅝"	76 ⅝"	88 ⅝"	100 ⅝"	112 ⅝"	124 ⅝"	136 ⅝"
12"	33"	DH3-1612	DH3-2012	DH3-2412	DH3-2812	DH3-3212	DH3-3612	DH3-4012
14"	37"	DH3-1614	DH3-2014	DH3-2414	DH3-2814	DH3-3214	DH3-3614	DH3-4014
16"	41"	DH3-1616	DH3-2016	DH3-2416	DH3-2816	DH3-3216	DH3-3616	DH3-4016
18"	45"	DH3-1618	DH3-2018	DH3-2418	DH3-2818	DH3-3218	DH3-3618	DH3-4018
20"	49"	DH3-1620	DH3-2020	DH3-2420	DH3-2820	DH3-3220	DH3-3620	DH3-4020
22"	53"	DH3-1622	DH3-2022	DH3-2422	DH3-2822	DH3-3222	DH3-3622	DH3-4022
24"	57"	DH3-1624	DH3-2024	DH3-2424	DH3-2824	DH3-3224	DH3-3624	DH3-4024
26"	61"	DH3-1626	DH3-2026	DH3-2426	DH3-2826	DH3-3226	DH3-3626	DH3-4026
28"	65"	DH3-1628	DH3-2028	DH3-2428	DH3-2828	DH3-3228	DH3-3628	DH3-4028
30"	69"	DH3-1630	DH3-2030	DH3-2430	DH2-2830	DH3-3230	DH3-3630	DH3-4030
32"	73"	DH3-1632	DH3-2032	DH3-2432	DH3-3232	DH3-3232	DH3-3632	DH3-4032
34"	77"	DH3-1634	DH3-2034	DH3-2434	DH3-2834	DH3-3234	DH3-3634	DH3-4034
36"	81"	DH3-1636	DH3-2036	DH3-2436	DH3-2836	DH3-3236	DH3-3636	DH3-4036

Double Hung Studio Unit Elevations

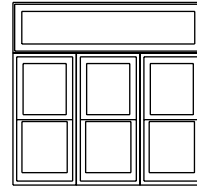
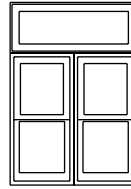
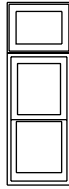
<div> <div>Primed Unit Dimension</div> <div>Rough Opening</div> <div>Frame</div> <div>Sash Opening</div> <div>Glass</div> </div>		44"	52"	56"	64"	68"	76"	80"	88"	104"
		41 $\frac{7}{8}$ "	49 $\frac{7}{8}$ "	53 $\frac{3}{8}$ "	61 $\frac{7}{8}$ "	65 $\frac{7}{8}$ "	73 $\frac{3}{8}$ "	77 $\frac{7}{8}$ "	85 $\frac{7}{8}$ "	101 $\frac{7}{8}$ "
		41 $\frac{3}{8}$ "	49 $\frac{3}{8}$ "	53 $\frac{3}{8}$ "	61 $\frac{3}{8}$ "	65 $\frac{3}{8}$ "	73 $\frac{3}{8}$ "	77 $\frac{3}{8}$ "	85 $\frac{3}{8}$ "	101 $\frac{3}{8}$ "
		3' 4"	4' 0"	4' 4"	5' 0"	5' 4"	6' 0"	6' 4"	7' 0"	8' 4"
		37 $\frac{3}{8}$ "	45 $\frac{3}{8}$ "	49 $\frac{3}{8}$ "	57 $\frac{3}{8}$ "	61 $\frac{3}{8}$ "	69 $\frac{3}{8}$ "	73 $\frac{3}{8}$ "	81 $\frac{3}{8}$ "	97 $\frac{3}{8}$ "
50 $\frac{1}{4}$ "	49"									
54 $\frac{1}{4}$ "	53"									
58 $\frac{1}{4}$ "	57"									
62 $\frac{1}{4}$ "	61"									
66 $\frac{1}{4}$ "	65"									
70 $\frac{1}{4}$ "	69"									
74 $\frac{1}{4}$ "	73"									
78 $\frac{1}{4}$ "	77"									
82 $\frac{1}{4}$ "	81"									
80 $\frac{1}{2}$ "	76 $\frac{1}{2}$ "									
6' 6 $\frac{1}{2}$ "	6' 2 $\frac{1}{2}$ "									
73 $\frac{3}{4}$ "	69 $\frac{3}{4}$ "									
		37 $\frac{3}{8}$ " 73 $\frac{3}{8}$ "	45 $\frac{3}{8}$ " 73 $\frac{3}{8}$ "	49 $\frac{3}{8}$ " 73 $\frac{3}{8}$ "	57 $\frac{3}{8}$ " 73 $\frac{3}{8}$ "	61 $\frac{3}{8}$ " 73 $\frac{3}{8}$ "	69 $\frac{3}{8}$ " 73 $\frac{3}{8}$ "	73 $\frac{3}{8}$ " 73 $\frac{3}{8}$ "	81 $\frac{3}{8}$ " 73 $\frac{3}{8}$ "	97 $\frac{3}{8}$ " 73 $\frac{3}{8}$ "

Unit Dimension given for primed units only

Clad Unit Dimension is identical to Frame Size

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

Double Hung Transom Unit Charts



Frame Height	Width	21 $\frac{3}{8}$ "	42 $\frac{3}{4}$ "	64 $\frac{1}{8}$ "
	Glass	1 - 16	2 - 16	3 - 16
1' 1"	8"	DT1-16/08-1	DT2-16/08-1	DT3-16/08-1
1' 5"	12"	DT1-16/12-1	DT2-16/12-1	DT3-16/12-1
1' 9"	16"	DT1-16/16-1	DT2-16/16-1	DT3-16/16-1
2' 1"	20"	DT1-16/20-1	DT2-16/20-1	DT3-16/20-1

Frame Height	Width	25 $\frac{3}{8}$ "	50 $\frac{3}{4}$ "	76 $\frac{1}{4}$ "
	Glass	1 - 20	2 - 20	3 - 20
1' 1"	8"	DT1-20/08-1	DT2-20/08-1	DT3-20/08-1
1' 5"	12"	DT1-20/12-1	DT2-20/12-1	DT3-20/12-1
1' 9"	16"	DT1-20/16-1	DT2-20/16-1	DT3-20/16-1
2' 1"	20"	DT1-20/20-1	DT2-20/20-1	DT3-20/20-1

Frame Height	Width	29 $\frac{3}{8}$ "	58 $\frac{3}{4}$ "	88 $\frac{1}{8}$ "
	Glass	1 - 24	2 - 24	3 - 24
1' 1"	8"	DT1-24/08-1	DT2-24/08-1	DT3-24/08-1
1' 5"	12"	DT1-24/12-1	DT2-24/12-1	DT3-24/12-1
1' 9"	16"	DT1-24/16-1	DT2-24/16-1	DT3-24/16-1
2' 1"	20"	DT1-24/20-1	DT2-24/20-1	DT3-24/20-1

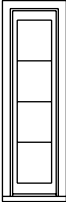
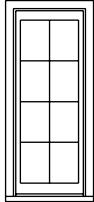
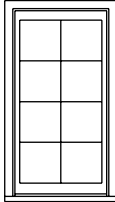
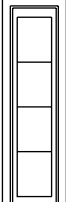
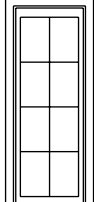
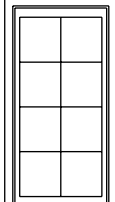
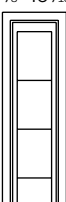
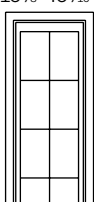
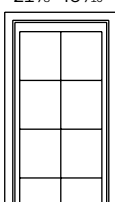
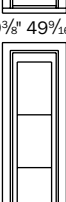
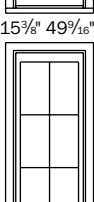
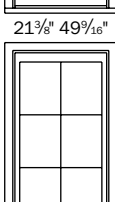
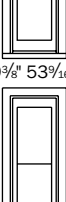
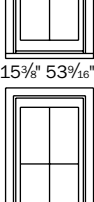
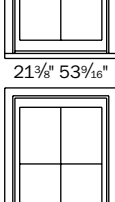
Frame Height	Width	33 $\frac{3}{8}$ "	66 $\frac{3}{4}$ "	88 $\frac{1}{8}$ "
	Glass	1 - 28	2 - 28	3 - 28
1' 1"	8"	DT1-28/08-1	DT2-28/08-1	DT3-28/08-1
1' 5"	12"	DT1-28/12-1	DT2-28/12-1	DT3-28/12-1
1' 9"	16"	DT1-28/16-1	DT2-28/16-1	DT3-28/16-1
2' 1"	20"	DT1-28/20-1	DT2-28/20-1	DT3-28/20-1

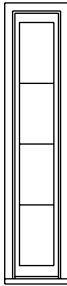
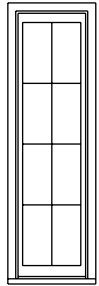
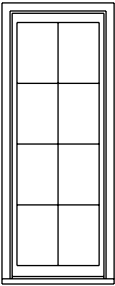
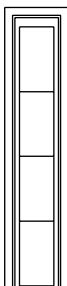
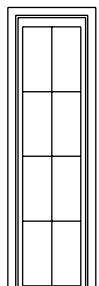
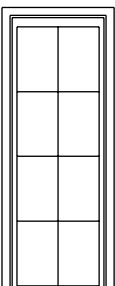
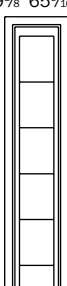
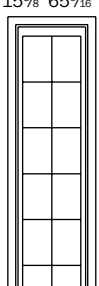
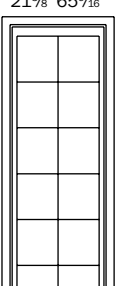
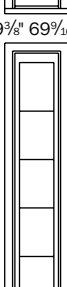
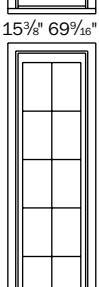
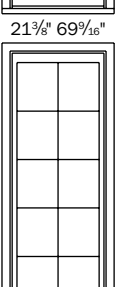
Frame Height	Width	37 $\frac{3}{8}$ "	74 $\frac{3}{4}$ "	112 $\frac{1}{8}$ "
	Glass	1 - 32	2 - 32	3 - 32
1' 1"	8"	DT1-32/08-1	DT2-32/08-1	DT3-32/08-1
1' 5"	12"	DT1-32/12-1	DT2-32/12-1	DT3-32/12-1
1' 9"	16"	DT1-32/16-1	DT2-32/16-1	DT3-32/16-1
2' 1"	20"	DT1-32/20-1	DT2-32/20-1	DT3-32/20-1

Frame Height	Width	41 $\frac{3}{8}$ "	82 $\frac{3}{4}$ "	124 $\frac{1}{8}$ "
	Glass	1 - 36	2 - 36	3 - 36
1' 1"	8"	DT1-36/08-1	DT2-36/08-1	DT3-36/08-1
1' 5"	12"	DT1-36/12-1	DT2-36/12-1	DT3-36/12-1
1' 9"	16"	DT1-36/16-1	DT2-36/16-1	DT3-36/16-1
2' 1"	20"	DT1-36/20-1	DT2-36/20-1	DT3-36/20-1

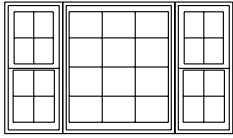
Frame Height	Width	45 $\frac{3}{8}$ "	90 $\frac{3}{4}$ "	136 $\frac{1}{8}$ "
	Glass	1 - 40	2 - 40	3 - 40
1' 1"	8"	DT1-40/08-1	DT2-40/08-1	DT3-40/08-1
1' 5"	12"	DT1-40/12-1	DT2-40/12-1	DT3-40/12-1
1' 9"	16"	DT1-40/16-1	DT2-40/16-1	DT3-40/16-1
2' 1"	20"	DT1-40/20-1	DT2-40/20-1	DT3-40/20-1

Double Hung Studio Sidelites Unit Elevations

	Primed Unit Dimension		
	Rough Opening		
	Frame		
	Sash Opening		
	Glass		
	16"	22"	28"
	13 $\frac{3}{8}$ "	19 $\frac{7}{8}$ "	25 $\frac{7}{8}$ "
	13 $\frac{3}{8}$ "	19 $\frac{3}{8}$ "	24 $\frac{3}{8}$ "
	12"	18"	24"
	9 $\frac{3}{8}$ "	15 $\frac{3}{8}$ "	21 $\frac{3}{8}$ "
50 $\frac{1}{4}$ "			
	9 $\frac{3}{8}$ " 41 $\frac{9}{16}$ "	15 $\frac{3}{8}$ " 41 $\frac{9}{16}$ "	21 $\frac{3}{8}$ " 41 $\frac{9}{16}$ "
54 $\frac{1}{4}$ "			
	9 $\frac{3}{8}$ " 45 $\frac{9}{16}$ "	15 $\frac{3}{8}$ " 45 $\frac{9}{16}$ "	21 $\frac{3}{8}$ " 45 $\frac{9}{16}$ "
58 $\frac{1}{4}$ "			
	9 $\frac{3}{8}$ " 49 $\frac{9}{16}$ "	15 $\frac{3}{8}$ " 49 $\frac{9}{16}$ "	21 $\frac{3}{8}$ " 49 $\frac{9}{16}$ "
62 $\frac{1}{4}$ "			
	9 $\frac{3}{8}$ " 53 $\frac{9}{16}$ "	15 $\frac{3}{8}$ " 53 $\frac{9}{16}$ "	21 $\frac{3}{8}$ " 53 $\frac{9}{16}$ "
66 $\frac{1}{4}$ "			
	9 $\frac{3}{8}$ " 57 $\frac{9}{16}$ "	15 $\frac{3}{8}$ " 57 $\frac{9}{16}$ "	21 $\frac{3}{8}$ " 57 $\frac{9}{16}$ "

	Primed Unit Dimension		
	Rough Opening		
	Frame		
	Sash Opening		
	Glass		
	16"	22"	28"
	13 $\frac{3}{8}$ "	19 $\frac{7}{8}$ "	25 $\frac{7}{8}$ "
	13 $\frac{3}{8}$ "	19 $\frac{3}{8}$ "	24 $\frac{3}{8}$ "
	12"	18"	24"
	9 $\frac{3}{8}$ "	15 $\frac{3}{8}$ "	21 $\frac{3}{8}$ "
70 $\frac{1}{4}$ "			
	9 $\frac{3}{8}$ " 61 $\frac{9}{16}$ "	15 $\frac{3}{8}$ " 61 $\frac{9}{16}$ "	21 $\frac{3}{8}$ " 61 $\frac{9}{16}$ "
74 $\frac{1}{4}$ "			
	9 $\frac{3}{8}$ " 65 $\frac{9}{16}$ "	15 $\frac{3}{8}$ " 65 $\frac{9}{16}$ "	21 $\frac{3}{8}$ " 65 $\frac{9}{16}$ "
78 $\frac{1}{4}$ "			
	9 $\frac{3}{8}$ " 69 $\frac{9}{16}$ "	15 $\frac{3}{8}$ " 69 $\frac{9}{16}$ "	21 $\frac{3}{8}$ " 69 $\frac{9}{16}$ "
82 $\frac{1}{4}$ "			
	9 $\frac{3}{8}$ " 73 $\frac{9}{16}$ "	15 $\frac{3}{8}$ " 73 $\frac{9}{16}$ "	21 $\frac{3}{8}$ " 73 $\frac{9}{16}$ "

Double Hung Triple Picture Unit



Double Hung Triple Picture Units consist of a Studio Unit Center with two single double hung flankers

Triple Picture Frame dimensions equal the sum of the individual boxes

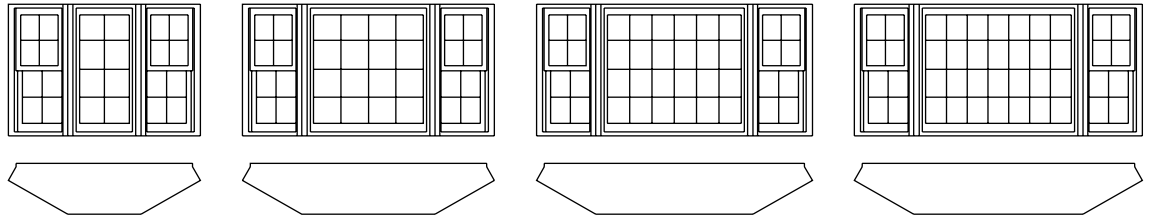
Triple Picture Rough Opening Dimension equals the complete frame dimension plus $\frac{1}{2}$ "

Clad Triple Picture Unit Dimension – Same as Triple Picture Frame Dimension

Primed Triple Picture Unit Dimension equals the total Rough Opening plus $2\frac{1}{8}$ " in width and the Rough Opening plus $1\frac{1}{4}$ " in height

Masonry Opening: Recommended Minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

Double Hung Bay Windows (30°)



	Glass	16/33 $\frac{3}{4}$ "/16"	16/45 $\frac{5}{8}$ "/16"	16/49 $\frac{3}{4}$ "/16"	16/57 $\frac{3}{4}$ "/16"
Unit Dimension	Clad	80"	92"	96"	104"
	Primed	82 $\frac{5}{8}$ "	94 $\frac{3}{8}$ "	98 $\frac{3}{8}$ "	106 $\frac{3}{8}$ "
Rough Opening	Clad	79 $\frac{7}{8}$ "	91 $\frac{7}{8}$ "	95 $\frac{7}{8}$ "	103 $\frac{7}{8}$ "
	Primed	78 $\frac{11}{16}$ "	90 $\frac{11}{16}$ "	94 $\frac{11}{16}$ "	102 $\frac{11}{16}$ "
Projection	Clad	12 $\frac{5}{16}$ "	12 $\frac{5}{16}$ "	12 $\frac{5}{16}$ "	12 $\frac{5}{16}$ "
	Primed	13"	13"	13"	13"

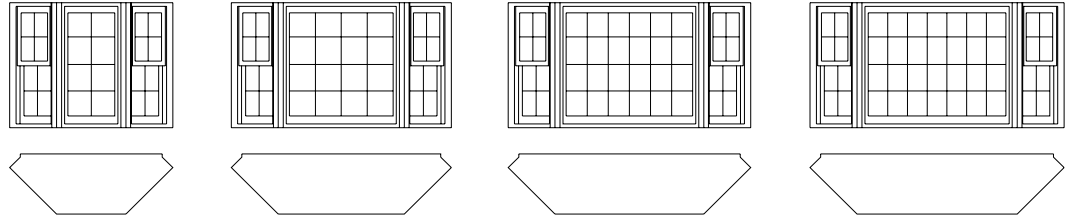
	Glass	20/33 $\frac{3}{4}$ "/20"	20/45 $\frac{5}{8}$ "/20"	20/49 $\frac{3}{4}$ "/20"	20/57 $\frac{3}{4}$ "/20"
Unit Dimension	Clad	87"	99"	103"	111"
	Primed	89 $\frac{5}{8}$ "	101 $\frac{5}{8}$ "	105 $\frac{5}{8}$ "	113 $\frac{5}{8}$ "
Rough Opening	Clad	86 $\frac{7}{8}$ "	98 $\frac{7}{8}$ "	102 $\frac{7}{8}$ "	110 $\frac{7}{8}$ "
	Primed	85 $\frac{5}{8}$ "	97 $\frac{7}{8}$ "	101 $\frac{5}{8}$ "	109 $\frac{5}{8}$ "
Projection	Clad	14 $\frac{3}{16}$ "	14 $\frac{3}{16}$ "	14 $\frac{3}{16}$ "	14 $\frac{3}{16}$ "
	Primed	15"	15"	15"	15"

Vertical rough openings indicated are standard unit heights with $1\frac{1}{4}$ " added for head and seat boards – deduct for walk out unit

Vertical unit dimensions reflect clad to clad and brickmould to sill nosing. The use of head and seat boards will add an additional $1\frac{1}{4}$ " to the overall frame height.

Glass Heights	Unit Dimension Clad/Primed Heights	Rough Opening Heights
20"	48 $\frac{1}{2}$ "/50 $\frac{1}{4}$ "	50 $\frac{1}{4}$ "
22"	52 $\frac{1}{2}$ "/54 $\frac{1}{4}$ "	54 $\frac{1}{4}$ "
24"	56 $\frac{1}{2}$ "/58 $\frac{1}{4}$ "	58 $\frac{1}{4}$ "
28"	64 $\frac{1}{2}$ "/66 $\frac{1}{4}$ "	66 $\frac{1}{4}$ "
30"	68 $\frac{1}{2}$ "/70 $\frac{1}{4}$ "	70 $\frac{1}{4}$ "

Double Hung Bay Windows (45°)



	Glass	16/33 $\frac{3}{4}$ /16"	16/45 $\frac{3}{4}$ /16"	16/49 $\frac{3}{4}$ /16"	16/57 $\frac{3}{4}$ /16"
Unit Dimension	Clad	75 $\frac{5}{8}$ "	87 $\frac{5}{8}$ "	91 $\frac{5}{8}$ "	99 $\frac{5}{8}$ "
	Primed	77 $\frac{7}{16}$ "	89 $\frac{9}{16}$ "	93 $\frac{3}{16}$ "	101 $\frac{1}{16}$ "
Rough Opening	Clad	75"	87"	91"	99"
	Primed	72 $\frac{5}{8}$ "	84 $\frac{5}{8}$ "	88 $\frac{5}{8}$ "	96 $\frac{5}{8}$ "
Projection	Clad	17 $\frac{3}{4}$ "	17 $\frac{3}{4}$ "	17 $\frac{3}{4}$ "	17 $\frac{3}{4}$ "
	Primed	18 $\frac{7}{16}$ "	18 $\frac{1}{16}$ "	18 $\frac{1}{16}$ "	18 $\frac{7}{16}$ "

	Glass	20/33 $\frac{3}{4}$ /20"	20/45 $\frac{3}{4}$ /20"	20/49 $\frac{3}{4}$ /20"	20/57 $\frac{3}{4}$ /20"
Unit Dimension	Clad	81 $\frac{1}{4}$ "	93 $\frac{3}{4}$ "	97 $\frac{1}{4}$ "	105 $\frac{1}{4}$ "
	Primed	83 $\frac{3}{16}$ "	95 $\frac{3}{16}$ "	99 $\frac{3}{16}$ "	107 $\frac{3}{16}$ "
Rough Opening	Clad	80 $\frac{5}{8}$ "	92 $\frac{5}{8}$ "	96 $\frac{5}{8}$ "	104 $\frac{5}{8}$ "
	Primed	78 $\frac{5}{16}$ "	90 $\frac{5}{16}$ "	94 $\frac{5}{16}$ "	102 $\frac{5}{16}$ "
Projection	Clad	20 $\frac{9}{16}$ "	20 $\frac{9}{16}$ "	20 $\frac{9}{16}$ "	20 $\frac{9}{16}$ "
	Primed	21 $\frac{1}{4}$ "	21 $\frac{1}{4}$ "	21 $\frac{1}{4}$ "	21 $\frac{1}{4}$ "

Vertical rough openings indicated are standard unit heights with 1 $\frac{1}{4}$ " added for head and seat boards – deduct for walk out unit

Vertical unit dimensions reflect clad to clad and brickmould to sill nosing. The use of head and seat boards will add an additional 1 $\frac{1}{4}$ " to the overall frame height.

Glass Heights

20"
22"
24"
28"
30"

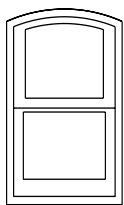
Unit Dimension Clad/Primed Heights

48 $\frac{1}{2}$ "/50 $\frac{1}{4}$ "
52 $\frac{1}{2}$ "/54 $\frac{1}{4}$ "
56 $\frac{1}{2}$ "/58 $\frac{1}{4}$ "
64 $\frac{1}{2}$ "/66 $\frac{3}{4}$ "
68 $\frac{1}{2}$ "/70 $\frac{1}{4}$ "

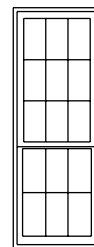
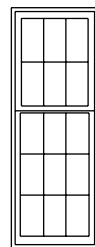
Rough Opening Heights

50 $\frac{1}{4}$ "
54 $\frac{1}{4}$ "
58 $\frac{1}{4}$ "
66 $\frac{1}{4}$ "
70 $\frac{1}{4}$ "

Double Hung Segment Head



Segment head single hungs are available as aluminum clad and primed wood units only. Glass sizes 20 through 32 inch width have a standard radius. As a custom unit it may be ordered with a custom radius to include a true extended leg half round top sash. The unit offers a half screen.



Double Hung Cottage & Oriel

Cottage and Oriel style double hung windows are available in all exterior options. Standard units are comprised of all standard widths and a 5'-6" sash opening height. Custom sizing is available. Maximum size may not exceed a 40" glass width or a 36" glass height.

Lifestyle Double Hung Unit Elevations

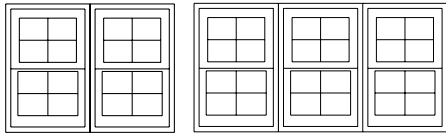
Unit Dimension given for primed units only

Clad Unit Dimension is identical to Frame Size

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

Shaded units meet UBC egress codes (5.7 sq. ft., 20" width, 24" height minimum) in standard 6'10" header application

Lifestyle Double Hung Multiple Unit Elevations



DOUBLE HUNG MULTIPLE UNIT FORMULA

Multiple unit Frame Dimension equals the sum of the individual boxes

Multiple unit Rough Opening equals the sum of the individual boxes plus $\frac{1}{2}$ "

Clad Unit Dimension – Same as Multiple Unit Frame Dimension

Primed multiple Unit Dimension equals the total rough opening plus $2\frac{1}{8}$ " in width and the total rough opening plus $1\frac{1}{4}$ " in height

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

	Primed Unit Dimension				
	Rough Opening				
	Frame				
	Sash Opening				
	Glass				
	28"	32"	36"	40"	44"
	25 $\frac{5}{8}$ "	29 $\frac{7}{8}$ "	33 $\frac{3}{8}$ "	37 $\frac{1}{8}$ "	41 $\frac{1}{8}$ "
	25 $\frac{3}{8}$ "	29 $\frac{3}{8}$ "	33 $\frac{1}{8}$ "	37 $\frac{3}{8}$ "	41 $\frac{3}{8}$ "
	2' 0"	2' 4"	2' 8"	3' 0"	3' 4"
	20"	24"	28"	32"	36"
38 $\frac{1}{4}$ "					
42 $\frac{1}{4}$ "					
50 $\frac{1}{4}$ "					
54 $\frac{1}{4}$ "					
62 $\frac{1}{4}$ "					
66 $\frac{1}{4}$ "					
74 $\frac{1}{4}$ "					
78 $\frac{1}{4}$ "					

Lifestyle Double Hung Multiple Unit Charts









































Double Hung Twin Mulled Units

Glass Height	R.O. Height	20" Glass	24" Glass	28" Glass	32" Glass	36" Glass
		R.O. Width	R.O. Width	R.O. Width	R.O. Width	R.O. Width
		51 ¼"	59 ¼"	67 ¼"	75 ¼"	83 ¼"
15 ⅜"	37"	LDH2-2014	LDH2-2414	LDH2-2814	LDH2-3214	LDH2-3614
17 ⅜"	41"	LDH2-2016	LDH2-2416	LDH2-2816	LDH2-3216	LDH2-3616
21 ⅜"	49"	LDH2-2020	LDH2-2420	LDH2-2820	LDH2-3220	LDH2-3620
23 ⅜"	53"	LDH2-2022	LDH2-2422	LDH2-2822	LDH2-3222	LDH2-3622
27 ⅜"	61"	LDH2-2026	LDH2-2426	LDH2-2826	LDH2-3226	LDH2-3626
29 ⅜"	65"	LDH2-2028	LDH2-2428	LDH2-2828	LDH2-3228	LDH2-3628
33 ⅜"	73"	LDH2-2032	LDH2-2432	LDH2-2832	LDH2-3232	LDH2-3632
35 ⅜"	77"	LDH2-2034	LDH2-2434	LDH2-2834	LDH2-3234	LDH2-3634

Double Hung Triple Mulled Units

Glass Height	R.O. Height	20" Glass	24" Glass	28" Glass	32" Glass	36" Glass
		R.O. Width	R.O. Width	R.O. Width	R.O. Width	R.O. Width
		76 ⅝"	88 ⅝"	100 ⅝"	112 ⅝"	124 ⅝"
15 ⅜"	37"	LDH3-2014	LDH3-2414	LDH3-2814	LDH3-3214	LDH3-3614
17 ⅜"	41"	LDH3-2016	LDH3-2416	LDH3-2816	LDH3-3216	LDH3-3616
21 ⅜"	49"	LDH3-2020	LDH3-2420	LDH3-2820	LDH3-3220	LDH3-3620
23 ⅜"	53"	LDH3-2022	LDH3-2422	LDH3-2822	LDH3-3222	LDH3-3622
27 ⅜"	61"	LDH3-2026	LDH3-2426	LDH3-2826	LDH3-3226	LDH3-3626
29 ⅜"	65"	LDH3-2028	LDH3-2428	LDH3-2828	LDH3-3228	LDH3-3628
33 ⅜"	73"	LDH3-2032	LDH3-2432	LDH3-2832	LDH3-3232	LDH3-3632
35 ⅜"	77"	LDH3-2034	LDH3-2434	LDH3-2834	LDH3-3234	LDH3-3634

Lifestyle Double Hung Studio Unit Elevations

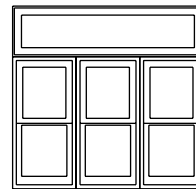
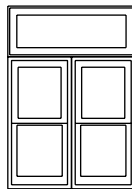
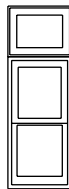
	Primed Unit Dimension				
	Rough Opening				
	Frame				
	Sash Opening				
	Glass				
	40 $\frac{3}{16}$ "	44 $\frac{3}{16}$ "	52 $\frac{3}{16}$ "	64 $\frac{3}{16}$ "	76 $\frac{3}{16}$ "
	37 $\frac{7}{8}$ "	41 $\frac{1}{8}$ "	49 $\frac{9}{16}$ "	61 $\frac{1}{8}$ "	73 $\frac{3}{8}$ "
	37 $\frac{3}{8}$ "	41 $\frac{3}{8}$ "	49 $\frac{3}{8}$ "	61 $\frac{3}{8}$ "	73 $\frac{3}{8}$ "
	2' 10 $\frac{5}{8}$ "	3' 2 $\frac{5}{8}$ "	3' 10 $\frac{5}{8}$ "	4' 10 $\frac{5}{8}$ "	5' 10 $\frac{5}{8}$ "
	32"	36"	44"	56"	68"
38 $\frac{1}{4}$ "					
	32 31 $\frac{7}{8}$ "	36 31 $\frac{7}{8}$ "	44 31 $\frac{7}{8}$ "	56 31 $\frac{7}{8}$ "	68 31 $\frac{7}{8}$ "
42 $\frac{1}{4}$ "					
	32 35 $\frac{7}{8}$ "	36 35 $\frac{7}{8}$ "	44 35 $\frac{7}{8}$ "	56 35 $\frac{7}{8}$ "	68 35 $\frac{7}{8}$ "
50 $\frac{1}{4}$ "					
	32 43 $\frac{7}{8}$ "	36 43 $\frac{7}{8}$ "	44 43 $\frac{7}{8}$ "	56 43 $\frac{7}{8}$ "	68 43 $\frac{7}{8}$ "
54 $\frac{1}{4}$ "					
	32 47 $\frac{7}{8}$ "	36 47 $\frac{7}{8}$ "	44 47 $\frac{7}{8}$ "	56 47 $\frac{7}{8}$ "	68 47 $\frac{7}{8}$ "
62 $\frac{1}{4}$ "					
	32 55 $\frac{7}{8}$ "	36 55 $\frac{7}{8}$ "	44 55 $\frac{7}{8}$ "	56 55 $\frac{7}{8}$ "	68 55 $\frac{7}{8}$ "
66 $\frac{1}{4}$ "					
	32 59 $\frac{7}{8}$ "	36 59 $\frac{7}{8}$ "	44 59 $\frac{7}{8}$ "	56 59 $\frac{7}{8}$ "	68 59 $\frac{7}{8}$ "
74 $\frac{1}{4}$ "					
	32 67 $\frac{7}{8}$ "	36 67 $\frac{7}{8}$ "	44 67 $\frac{7}{8}$ "	56 67 $\frac{7}{8}$ "	68 67 $\frac{7}{8}$ "
78 $\frac{1}{4}$ "					
	32 71 $\frac{7}{8}$ "	36 71 $\frac{7}{8}$ "	44 71 $\frac{7}{8}$ "	56 71 $\frac{7}{8}$ "	68 71 $\frac{7}{8}$ "

Unit Dimension given for primed units only

Clad Unit Dimension is identical to Frame Size

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

Lifestyle Double Hung Transom Unit Charts



Frame	Width	21 $\frac{3}{8}$ "	42 $\frac{3}{4}$ "	64 $\frac{1}{8}$ "
Height	Glass	1 - 16	2 - 16	3 - 16
13"	8 $\frac{5}{8}$ "	DT1-16/08-1	DT2-16/08-1	DT3-16/08-1
17"	12 $\frac{5}{8}$ "	DT1-16/12-1	DT2-16/12-1	DT3-16/12-1
21"	16 $\frac{5}{8}$ "	DT1-16/16-1	DT2-16/16-1	DT3-16/16-1
25"	20 $\frac{5}{8}$ "	DT1-16/20-1	DT2-16/20-1	DT3-16/20-1

Frame	Width	25 $\frac{3}{8}$ "	50 $\frac{3}{4}$ "	64 $\frac{1}{4}$ "
Height	Glass	1 - 20	2 - 20	3 - 20
13"	8 $\frac{5}{8}$ "	DT1-20/08-1	DT2-20/08-1	DT3-20/08-1
17"	12 $\frac{5}{8}$ "	DT1-20/12-1	DT2-20/12-1	DT3-20/12-1
21"	16 $\frac{5}{8}$ "	DT1-20/16-1	DT2-20/16-1	DT3-20/16-1
25"	20 $\frac{5}{8}$ "	DT1-20/20-1	DT2-20/20-1	DT3-20/20-1

Frame	Width	29 $\frac{3}{8}$ "	58 $\frac{3}{4}$ "	88 $\frac{1}{8}$ "
Height	Glass	1 - 24	2 - 24	3 - 24
13"	8 $\frac{5}{8}$ "	DT1-24/08-1	DT2-24/08-1	DT3-24/08-1
17"	12 $\frac{5}{8}$ "	DT1-24/12-1	DT2-24/12-1	DT3-24/12-1
21"	16 $\frac{5}{8}$ "	DT1-24/16-1	DT2-24/16-1	DT3-24/16-1
25"	20 $\frac{5}{8}$ "	DT1-24/20-1	DT2-24/20-1	DT3-24/20-1

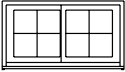
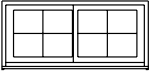
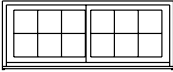
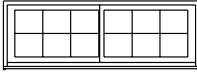
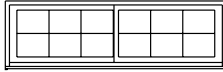

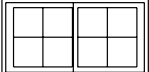

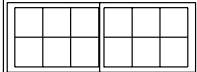
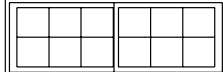
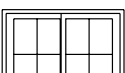
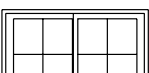
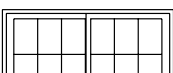
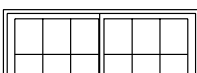
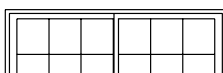
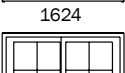
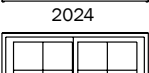
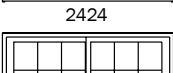
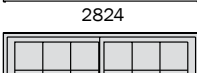

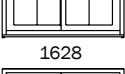
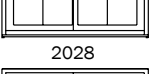
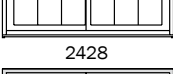
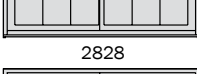

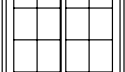




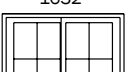
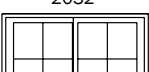
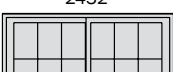
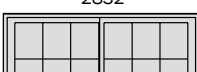
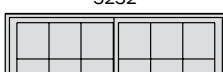
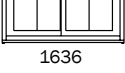
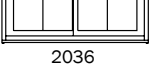
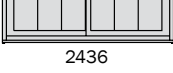
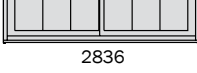

Frame	Width	33 $\frac{3}{8}$ "	66 $\frac{3}{4}$ "
Height	Glass	1 - 28	2 - 28
13"	8 $\frac{5}{8}$ "	DT1-28/08-1	DT2-28/08-1
17"	12 $\frac{5}{8}$ "	DT1-28/12-1	DT2-28/12-1
21"	16 $\frac{5}{8}$ "	DT1-28/16-1	DT2-28/16-1
25"	20 $\frac{5}{8}$ "	DT1-28/20-1	DT2-28/20-1

Frame	Width	37 $\frac{3}{8}$ "	74 $\frac{3}{4}$ "
Height	Glass	1 - 32	2 - 32
13"	8 $\frac{5}{8}$ "	DT1-32/08-1	DT2-32/08-1
17"	12 $\frac{5}{8}$ "	DT1-32/12-1	DT2-32/12-1
21"	16 $\frac{5}{8}$ "	DT1-32/16-1	DT2-32/16-1
25"	20 $\frac{5}{8}$ "	DT1-32/20-1	DT2-32/20-1

Frame	Width	41 $\frac{3}{8}$ "	82 $\frac{3}{4}$ "
Height	Glass	1 - 36	2 - 36
13"	8	DT1-36/08-1	DT2-36/08-1
17"	12	DT1-36/12-1	DT2-36/12-1
21"	16	DT1-36/16-1	DT2-36/16-1
25"	20	DT1-36/20-1	DT2-36/20-1

Frame	Width	45 $\frac{3}{8}$ "
Height	Glass	1 - 40
13"	8 $\frac{5}{8}$ "	DT1-40/08-1
17"	12 $\frac{5}{8}$ "	DT1-40/12-1
21"	16 $\frac{5}{8}$ "	DT1-40/16-1
25"	20 $\frac{5}{8}$ "	DT1-40/20-1

Glider Unit Elevations

<div> <div>Primed Unit Dimension</div> <div>Rough Opening</div> <div>Frame</div> <div>Glass</div> </div>	42½"	50½"	58½"	66½"	74½"
	40⅞"	48⅜"	56⅜"	64⅜"	72⅜"
	39⅞"	47⅞"	55⅞"	63⅞"	71⅞"
	16"	20"	24"	28"	32"
23⅞"	 1616	 2016	 2416	 2816	 3216
27⅞"	 1620	 2020	 2420	 2820	 3220
31⅞"	 1624	 2024	 2424	 2824	 3224
35⅞"	 1628	 2028	 2428	 2828	 3228
39⅞"	 1632	 2032	 2432	 2832	 3232
43⅞"	 1636	 2036	 2436	 2836	 3236
47⅞"	 1640	 2040	 2440	 2840	 3240
55⅞"	 1648	 2048	 2448	 2848	 3248

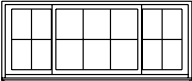
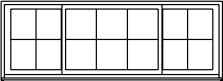

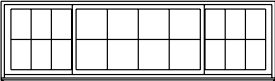
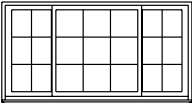
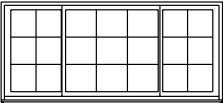
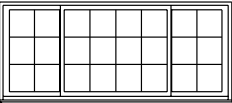
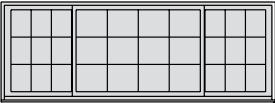
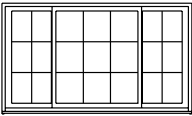
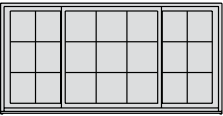
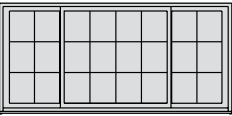
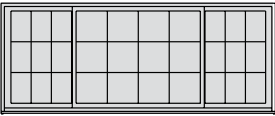
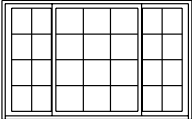
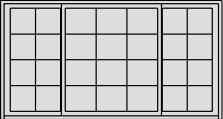
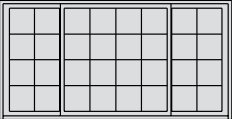
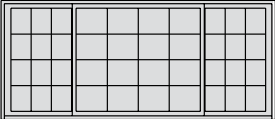
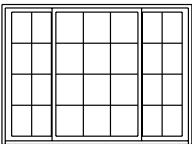
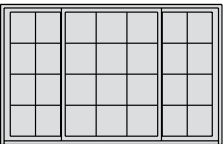
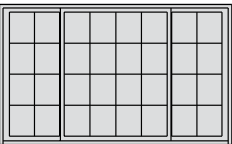
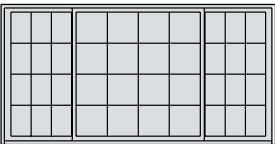
Unit Dimension given for primed units only

Clad unit dimension width is identical to frame width. Clad unit dimension height is ¼" less than frame height.

Masonry Opening: Recommended minimum of Unit Dimension plus ¼". Due to the side jamb sill wedges, the clad vertical exterior unit dimension is ¼" smaller than the frame height. This may affect masonry framing.

Shaded units meet UBC egress codes (5.7 sq. ft., 20" width, 24" height minimum) in standard 6'10" header application

Triple Glider Picture Unit Elevations

Primed Unit Dimension Rough Opening Frame Glass		76 ¹ / ₁₆ "	88 ¹ / ₁₆ "	92 ¹ / ₁₆ "	108 ¹ / ₁₆ "
		73 ³ / ₈ "	85 ³ / ₈ "	89 ⁷ / ₈ "	105 ⁷ / ₈ "
		73 ³ / ₈ "	85 ³ / ₈ "	89 ³ / ₈ "	105 ³ / ₈ "
		16/32/16	20/36/20	20/40/20	24/48/24
31 ¹ / ₈ "	31 ¹ / ₈ "	 16/32/1624	 20/36/2024	 20/40/2024	 24/48/2424
39 ⁵ / ₈ "	39 ⁵ / ₈ "	 16/32/1632	 20/36/2032	 20/40/2032	 24/48/2432
43 ⁵ / ₈ "	43 ⁵ / ₈ "	 16/32/1636	 20/36/2036	 20/40/2036	 24/48/2436
47 ⁵ / ₈ "	47 ⁵ / ₈ "	 16/32/1640	 20/36/2040	 20/40/2040	 24/48/2440
55 ⁵ / ₈ "	55 ⁵ / ₈ "	 16/32/1648	 20/36/2048	 20/40/2048	 24/48/2448

Unit Dimension given for primed units only


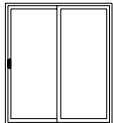

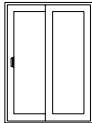
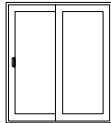
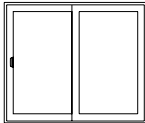
Clad unit dimension width is identical to frame width. Clad unit dimension height is 1/4" less than frame height.

Masonry Opening: Recommended minimum of Unit Dimension plus 1/4". Due to the side jamb sill wedges, the clad vertical exterior unit dimension is 1/4" smaller than the frame height. This may affect masonry opening.



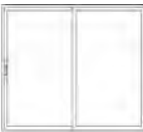









Shaded units meet UBC egress codes (5.7 sq. ft., 20" width, 24" height minimum) in standard 6'10" header application

Slide Patio Doors

6/6 Replacement Height

Narrow Stile				Wide Stile		
<div>80³/₄"</div> <div>80¹/₄"</div> <div>79³/₄"</div> <div>73"(N) / 68³/₈"(W)</div>	Primed Unit Dimension	Rough Opening	Frame	Glass		
	60 ³ / ₁₆ "	72 ³ / ₁₆ "	96 ³ / ₁₆ "		60 ³ / ₁₆ "	72 ³ / ₁₆ "
	58 ¹¹ / ₁₆ "	70 ¹ / ₁₆ "	94 ¹ / ₁₆ "		58 ¹¹ / ₁₆ "	70 ¹ / ₁₆ "
	58 ³ / ₁₆ "	70 ³ / ₁₆ "	94 ³ / ₁₆ "		58 ³ / ₁₆ "	70 ³ / ₁₆ "
	25"	31"	43"		21 ⁵ / ₈ "	27 ³ / ₈ "
<div><div></div><div></div><div></div></div>				<div><div></div><div></div><div></div></div>		
5066 6066 8066				5066 6066 8066		

6/8 and 8/0 Heights

Narrow Stile				Wide Stile														
Primed Unit Dimension	Rough Opening			Frame			Glass											
	60 ³ / ₁₆ "	78 ³ / ₁₆ "	96 ³ / ₁₆ "	60 ³ / ₁₆ "	78 ³ / ₁₆ "	96 ³ / ₁₆ "												
	58 ¹¹ / ₁₆ "	76 ¹¹ / ₁₆ "	94 ¹¹ / ₁₆ "	58 ¹¹ / ₁₆ "	76 ¹¹ / ₁₆ "	94 ¹¹ / ₁₆ "												
	58 ³ / ₁₆ "	76 ³ / ₁₆ "	94 ³ / ₁₆ "	58 ³ / ₁₆ "	76 ³ / ₁₆ "	94 ³ / ₁₆ "												
	25"	34"	43"	21 ¹ / ₈ "	30 ³ / ₈ "	39 ³ / ₈ "												
83 ³ / ₄ "																		
83 ¹ / ₄ "	5068			6068			8068			5068			6068			8068		
82 ³ / ₄ "																		
	5080			6080			8080			5080			6080			8080		
97 ⁵ / ₈ "	89 ³ / ₈ "(N) / 82 ¹³ / ₁₆ "(W)																	
97 ¹ / ₈ "	76"(N) / 68 ¹⁵ / ₁₆ "(W)																	
96 ⁵ / ₈ "																		

Unit Dimension given for primed units only

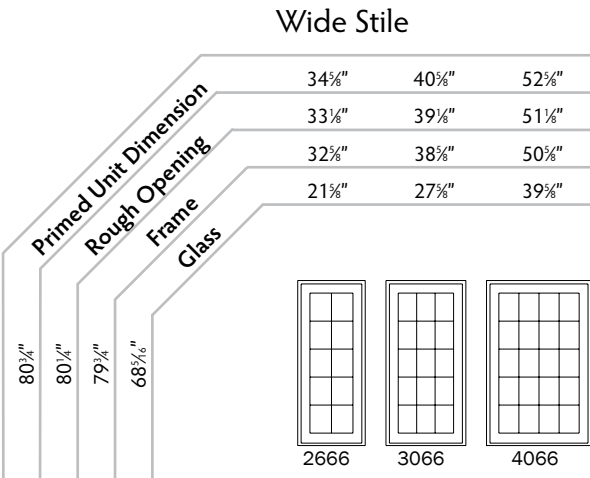
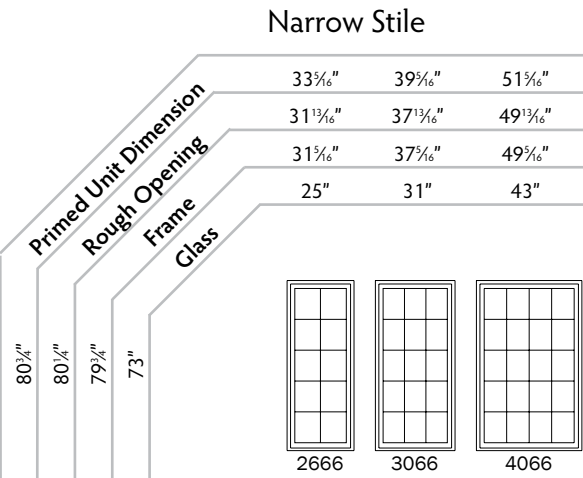
Clad Unit Dimension is identical to Frame Size

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus 1/4"

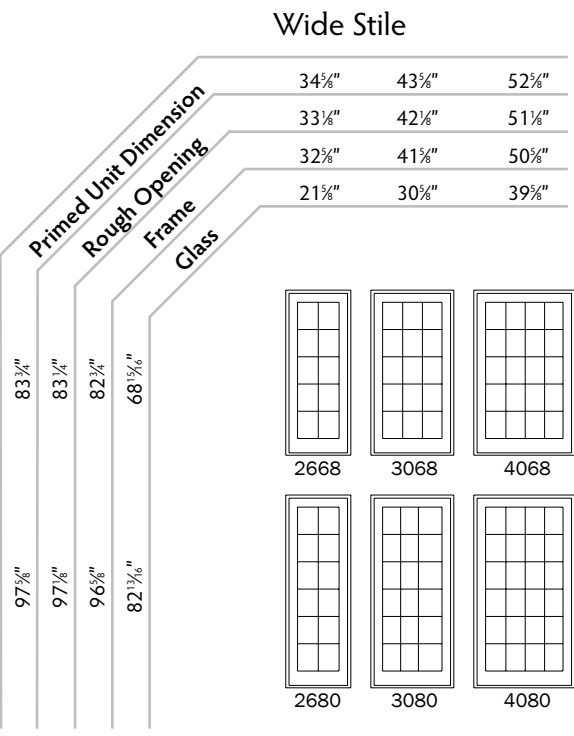
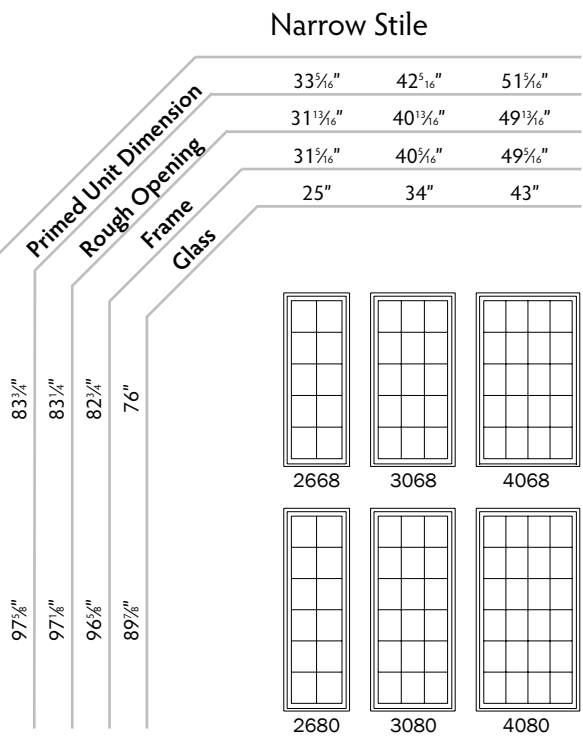
Standard lite division depicted on single panel side lites

Slide Patio Doors Single Panel Sidelites

6/6 Replacement Height



6/8 and 8/0 Heights



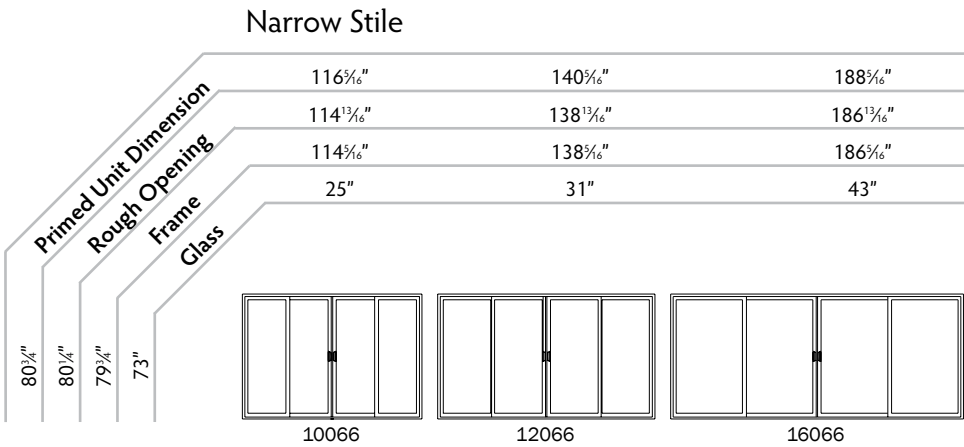
6/6 Replacement Height

6/8 and 8/0 Heights

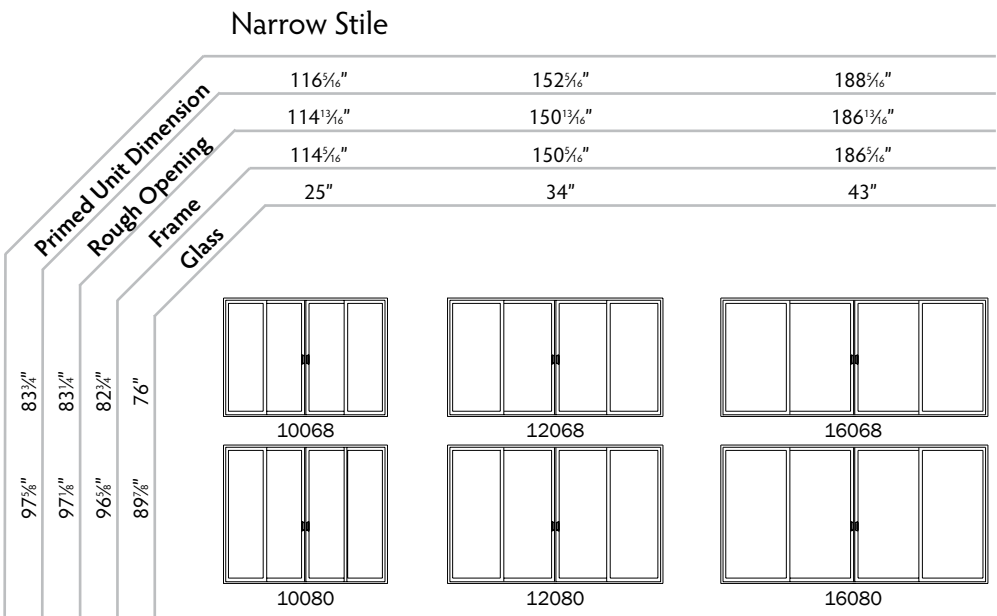
Standard lite division depicted on single panel side lites

4-Wide Primed and Clad Slide Patio Doors

6/6 Replacement Height



6/8 and 8/0 Heights



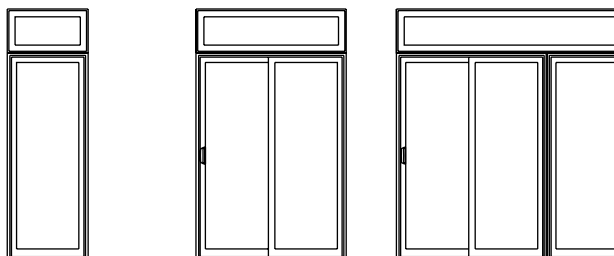
- Unit Dimension given for primed units only
- Clad Unit Dimension is identical to Frame Size
- Masonry Opening: Recommended minimum of Unit or Frame Dimension plus 1/4"
- Standard lite division depicted on single panel side lites

6/6 Replacement Height

6/8 and 8/0 Heights

Standard lite division depicted on single panel side lites

Slide Patio Door Transom Unit Charts



Frame Height	Width	31 ⁵ / ₁₆ "	58 ³ / ₁₆ "	89 ¹ / ₂ "
	Glass	1 - 26	2 - 50	3 - 76
13"	8"	SLT1-26/08-1	SLT2-50/08-1	SLT3-76/08-1
17"	12"	SLT1-26/12-1	SLT2-50/12-1	SLT3-76/12-1
21"	16"	SLT1-26/16-1	SLT2-50/16-1	SLT3-76/16-1
25"	20"	SLT1-26/20-1	SLT1-50/20-1	SLT3-76/20-1

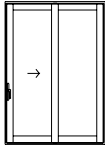
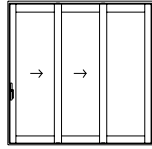
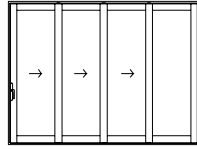
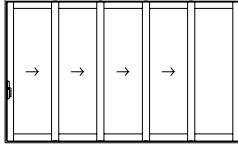
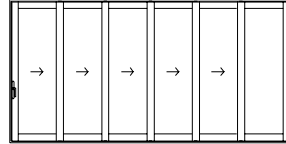
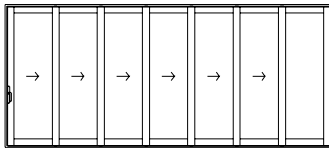
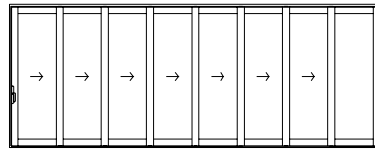
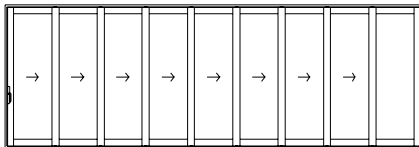
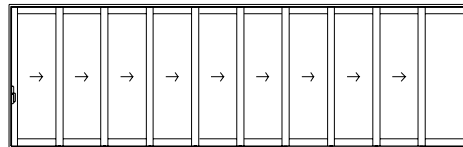
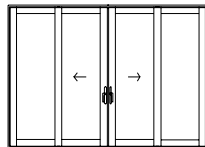
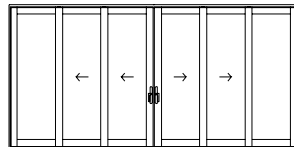
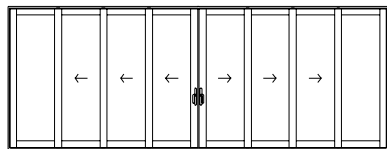
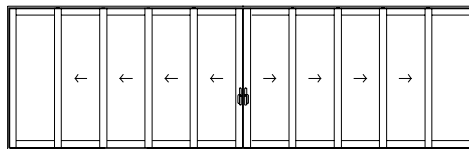
Frame Height	Width	37 ⁵ / ₁₆ "	70 ³ / ₁₆ "	106 ¹ / ₂ "
	Glass	1 - 30	2 - 60	3 - 90
13"	8"	SLT1-30/08-1R	SLT2-60/08-1R	SLT3-90/08-1R
17"	12"	SLT1-30/12-1R	SLT2-60/12-1R	SLT3-90/12-1R
21"	16"	SLT1-30/16-1R	SLT2-60/16-1R	SLT3-90/16-1R
25"	20"	SLT1-30/20-1R	SLT1-60/20-1R	SLT3-90/20-1R

Frame Height	Width	40 ⁵ / ₁₆ "	76 ³ / ₁₆ "	116 ¹ / ₂ "
	Glass	1 - 30	2 - 60	3 - 90
13"	8"	SLT1-30/08-1F	SLT2-60/08-1F	SLT3-90/08-1F
17"	12"	SLT1-30/12-1F	SLT2-60/12-1F	SLT3-90/12-1F
21"	16"	SLT1-30/16-1F	SLT2-60/16-1F	SLT3-90/16-1F
25"	20"	SLT1-30/20-1F	SLT1-60/20-1F	SLT3-90/20-1F

Frame Height	Width	49 ⁵ / ₁₆ "	94 ³ / ₁₆ "	1439* ¹ / ₂ "
	Glass	1 - 40	2 - 80	3 - 120
13"	8"	SLT1-40/08-1	SLT2-80/08-1	SLT3-120/08-1
17"	12"	SLT1-40/12-1	SLT2-80/12-1	SLT3-120/12-1
21"	16"	SLT1-40/16-1	SLT2-80/16-1	SLT3-120/16-1
25"	20"	SLT1-40/20-1	SLT1-80/20-1	SLT3-120/20-1

Slide-A-Way Patio Doors

Typical Configurations

**XO****XXO****XXXO****XXXXO****XXXXXO****XXXXXXO****XXXXXXXO****XXXXXXXXO****XXXXXXXXXO****OXXO****OXXXO****OXXXXO****OXXXXXO**

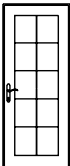
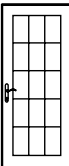
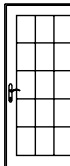
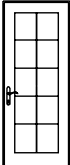
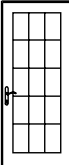
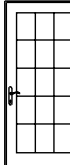
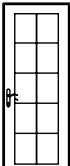
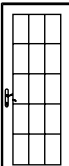
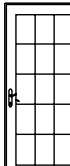
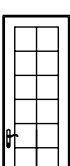
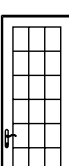
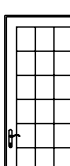
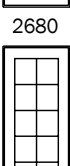
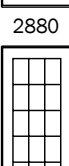
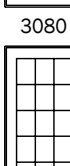



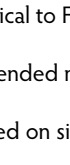
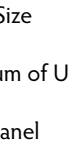
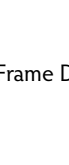



Maximum Panel Width: 48-1/2"
Maximum Panel Height: 105-1/4"

Maximum Number of Panels: 10

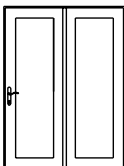
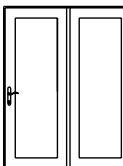
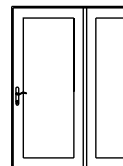
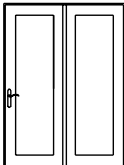
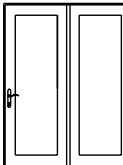
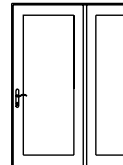
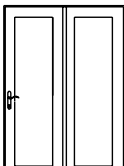
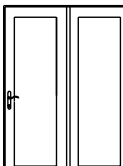
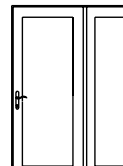
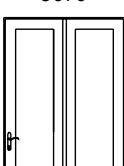
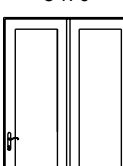
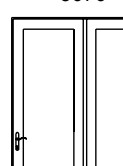
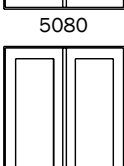
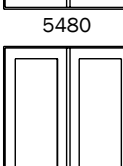
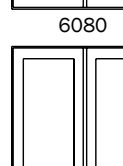
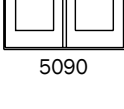
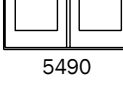
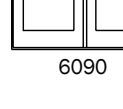






Approximate Maximum Width: 38'
Maximum Height: 108-3/16"

Minimum Roof Overhang: 96"

Single Swing Patio Doors

	Primed Unit Dimension		
	Rough Opening		
	Frame		
	Glass		
	LS Glass		
	34"	36"	40"
	31 $\frac{7}{8}$ "	33 $\frac{7}{8}$ "	37 $\frac{7}{8}$ "
	31 $\frac{3}{8}$ "	33 $\frac{3}{8}$ "	37 $\frac{3}{8}$ "
	20 $\frac{15}{16}$ "	22 $\frac{15}{16}$ "	26 $\frac{15}{16}$ "
	23 $\frac{13}{16}$ "	25 $\frac{13}{16}$ "	29 $\frac{13}{16}$ "
80 $\frac{1}{16}$ "			
	2666	2866	3066
83 $\frac{9}{16}$ "			
	2668	2868	3068
82 $\frac{1}{4}$ "			
	2670	2870	3070
82 $\frac{1}{4}$ "			
	2680	2880	3080
87 $\frac{1}{16}$ "			
	2690	2890	3090
86 $\frac{1}{4}$ "			
	2680	2880	3080
99 $\frac{1}{16}$ "			
	2680	2880	3080
98 $\frac{3}{4}$ "			
	2680	2880	3080
110 $\frac{1}{4}$ "			
	2680	2880	3080
96 $\frac{3}{4}$ "			
	2680	2880	3080
100 $\frac{1}{16}$ "			
	2680	2880	3080

2-Wide Swing Patio Doors

	Primed Unit Dimension		
	Rough Opening		
	Frame		
	Glass		
	LS Glass		
	64 $\frac{9}{16}$ "	68 $\frac{9}{16}$ "	76 $\frac{9}{16}$ "
	62 $\frac{7}{8}$ "	66 $\frac{7}{8}$ "	74 $\frac{7}{8}$ "
	61 $\frac{15}{16}$ "	65 $\frac{15}{16}$ "	73 $\frac{15}{16}$ "
	20 $\frac{15}{16}$ "	22 $\frac{15}{16}$ "	26 $\frac{15}{16}$ "
	23 $\frac{13}{16}$ "	25 $\frac{13}{16}$ "	29 $\frac{13}{16}$ "
80 $\frac{1}{16}$ "			
	5066	5466	6066
83 $\frac{9}{16}$ "			
	5068	5468	6068
82 $\frac{1}{4}$ "			
	5070	5470	6070
82 $\frac{1}{4}$ "			
	5080	5480	6080
87 $\frac{1}{16}$ "			
	5070	5470	6070
86 $\frac{1}{4}$ "			
	5080	5480	6080
72 $\frac{1}{4}$ "			
	5070	5470	6070
76 $\frac{3}{16}$ "			
	5090	5490	6090
99 $\frac{1}{16}$ "			
	5080	5480	6080
98 $\frac{3}{4}$ "			
	5080	5480	6080
110 $\frac{1}{4}$ "			
	5080	5480	6080
96 $\frac{3}{4}$ "			
	5080	5480	6080
100 $\frac{1}{16}$ "			
	5080	5480	6080

Unit Dimension given for wood In-Swing units only. Wood Out-Swing unit dimensions 3/8" larger in width and 3/16" larger in height.

Clad Unit Dimension is identical to Frame Size

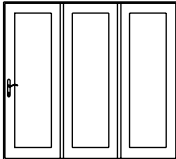
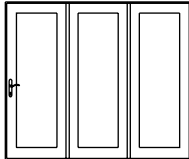
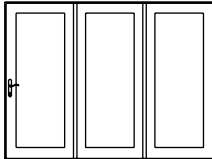
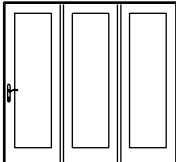
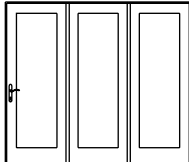
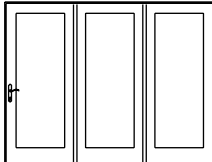
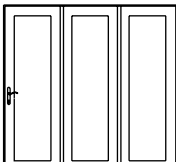
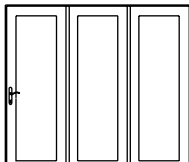
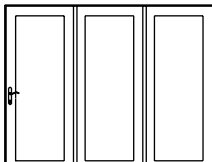
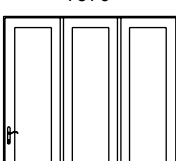
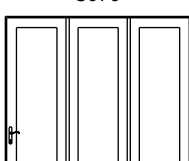
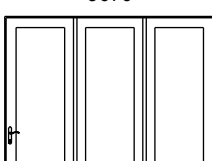
Masonry Opening: Recommended minimum of Unit or Frame Dimension plus 1/4"

Standard lite division depicted on single panel

Lifestyle Panels (LS) are built with larger glass in width and height. Elevations shown are not representative of correct stile & rail dimensions.

3-Wide Swing Patio Doors

	Primed Unit Dimension	Rough Opening	Frame	Glass	LS Glass
	95 $\frac{1}{8}$ "	101 $\frac{1}{8}$ "	113 $\frac{1}{8}$ "		
	93"	99"	111"		
	92 $\frac{1}{2}$ "	98 $\frac{1}{2}$ "	110 $\frac{1}{2}$ "		
	20 $\frac{15}{16}$ "	22 $\frac{15}{16}$ "	26 $\frac{15}{16}$ "		
	23 $\frac{13}{16}$ "	25 $\frac{13}{16}$ "	29 $\frac{13}{16}$ "		
80 $\frac{7}{16}$ "					
79 $\frac{9}{16}$ "					
79 $\frac{9}{16}$ "					
68"					
83 $\frac{3}{16}$ "					
82 $\frac{3}{4}$ "					
82 $\frac{1}{4}$ "					
68 $\frac{3}{4}$ "					
72 $\frac{5}{16}$ "					
87 $\frac{1}{16}$ "					
86 $\frac{1}{4}$ "					
86 $\frac{1}{4}$ "					
72 $\frac{3}{4}$ "					
76 $\frac{5}{16}$ "					
99 $\frac{1}{16}$ "					
98 $\frac{1}{4}$ "					
98 $\frac{1}{4}$ "					
84 $\frac{3}{4}$ "					
88 $\frac{5}{16}$ "					

		
7666	8066	9066
		
7668	8068	9068
		
7670	8070	9070
		
7680	8080	9080

Unit Dimension given for primed In-Swing units only. Out-Swing 3/8" larger in width and 3/16" larger in height.

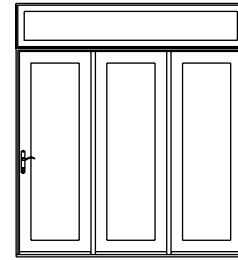
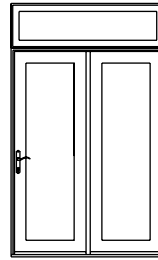
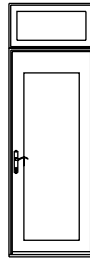
Clad Unit Dimension is identical to Frame Size

Masonry Opening: Recommended minimum of Unit or Frame Dimension plus $\frac{1}{4}$ "

Standard lite division depicted on single doors

Lifestyle Panels (LS) are built with larger glass in width and height. Elevations shown are not representative of correct stile & rail dimensions.

Swing Patio Door Transom Unit Charts


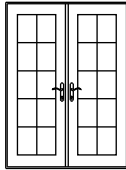
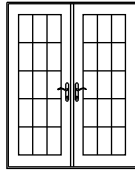
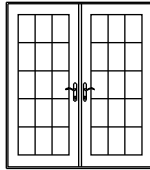

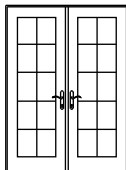
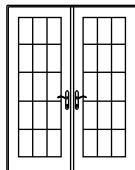
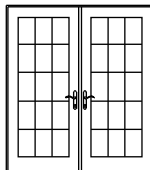
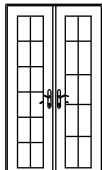
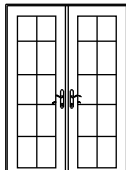
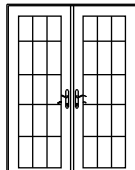
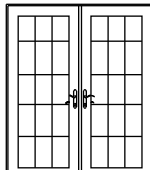
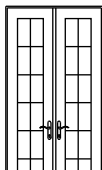
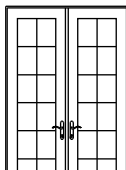
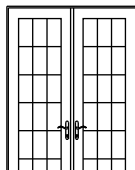
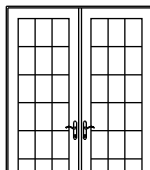
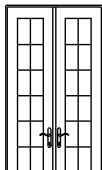
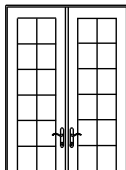
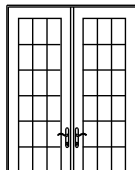
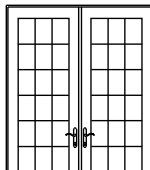


Frame Height	Width		31 $\frac{3}{8}$ "	61 $\frac{15}{16}$ "	92 $\frac{1}{2}$ "
	Glass		1 - 26	2 - 50	3 - 76
13"	8"		SWT1-26/08-1	SWT2-50/08-1	SWT3-76/08-1
17"	12"		SWT1-26/12-1	SWT2-50/12-1	SWT3-76/12-1
21"	16"		SWT1-26/16-1	SWT2-50/16-1	SWT3-76/16-1
25"	20"		SWT1-26/20-1	SWT1-50/20-1	SWT3-76/20-1

Frame Height	Width		33 $\frac{3}{8}$ "	65 $\frac{15}{16}$ "	98 $\frac{1}{2}$ "
	Glass		1 - 28	2 - 54	3 - 80
13"	8"		SWT1-28/08-1	SWT2-54/08-1	SWT3-80/08-1
17"	12"		SWT1-28/12-1	SWT2-54/12-1	SWT3-80/12-1
21"	16"		SWT1-28/16-1	SWT2-54/16-1	SWT3-80/16-1
25"	20"		SWT1-28/20-1	SWT1-54/20-1	SWT3-80/20-1

Frame Height	Width		37 $\frac{3}{8}$ "	73 $\frac{15}{16}$ "	110 $\frac{1}{2}$ "
	Glass		1 - 30	2 - 60	3 - 90
13"	8"		SWT1-30/08-1	SWT2-60/08-1	SWT3-90/08-1
17"	12"		SWT1-30/12-1	SWT2-60/12-1	SWT3-90/12-1
21"	16"		SWT1-30/16-1	SWT2-60/16-1	SWT3-90/16-1
25"	20"		SWT1-30/20-1	SWT1-60/20-1	SWT3-90/20-1

French Swing Patio Doors

Primed Unit Dimension Rough Opening Frame Glass LS Glass		52 $\frac{9}{16}$ "	64 $\frac{9}{16}$ "	68 $\frac{9}{16}$ "	76 $\frac{9}{16}$ "
		50 $\frac{7}{16}$ "	62 $\frac{7}{16}$ "	66 $\frac{7}{16}$ "	74 $\frac{7}{16}$ "
		49 $\frac{15}{16}$ "	61 $1\frac{5}{16}$ "	65 $\frac{15}{16}$ "	73 $\frac{15}{16}$ "
		14 $\frac{15}{16}$ "	20 $\frac{15}{16}$ "	22 $\frac{15}{16}$ "	26 $\frac{15}{16}$ "
		17 $\frac{13}{16}$ "	23 $\frac{13}{16}$ "	25 $\frac{13}{16}$ "	29 $\frac{13}{16}$ "
80 $\frac{1}{16}$ "					
	4066	5066	5466	6066	
83 $\frac{1}{16}$ "					
	4068	5068	5468	6068	
87 $\frac{3}{16}$ "					
	4070	5070	5470	6070	
98 $\frac{1}{16}$ "					
	4080	5080	5480	6080	
111 $\frac{1}{16}$ "					
	4090	5090	5490	6090	

Unit Dimension given for primed In-Swing units only. Out-Swing 3/8" larger in width and 3/16" larger in height.
Clad Unit Dimension is identical to Frame Size

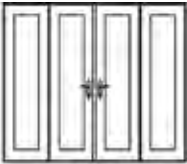
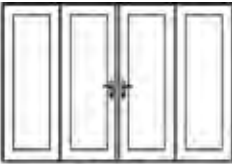
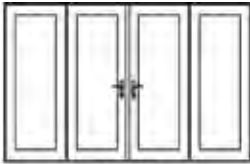
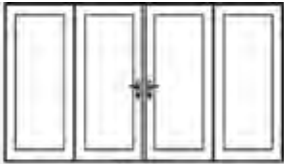
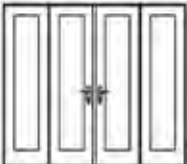
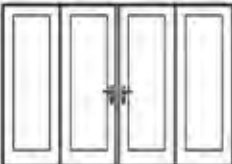
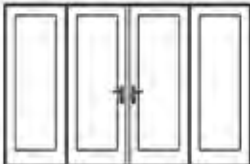
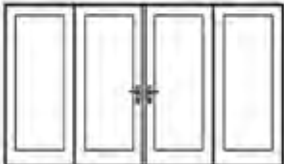

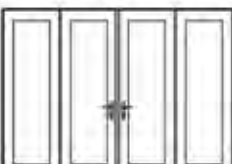

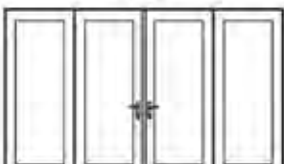

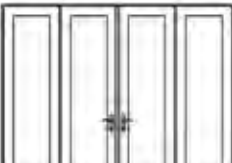

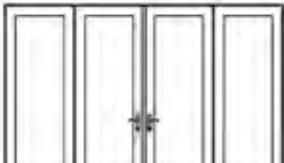
Masonry Opening: Recommended minimum of Unit or Frame Dimension plus 1/4"

Standard lite division depicted on single doors

Swing doors are available as in-swing or out-swing.

Lifestyle Panels (LS) are built with larger glass in width and height. Elevations shown are not representative of correct stile & rail dimensions.

4-Wide French Swing Patio Doors with Sidelites

	Primed Unit Dimension			
	Rough Opening			
	Frame			
	Glass			
	LS Glass			
	101 5⁄8"	125 5⁄8"	133 5⁄8"	149 5⁄8"
	99 1⁄2"	123 1⁄2"	131 1⁄2"	147 1⁄2"
	99"	123"	131"	147"
	14 15⁄16"	20 15⁄16"	22 15⁄16"	26 15⁄16"
	17 13⁄16"	23 13⁄16"	25 13⁄16"	29 13⁄16"
80 1⁄16"				
	8066	1066	10866	12066
83 3⁄16"				
	8068	1068	10868	12068
82 1⁄4"				
	8070	1070	10870	12070
86 3⁄4"				
	8080	1080	10880	12080
82 1⁄4"				
68"				
72 1⁄2"				
76 5⁄8"				
88 3⁄8"				

Unit Dimension given for primed In-Swing units only. Out-Swing 3/8" larger in width and 3/16" larger in height.

Clad Unit Dimension is identical to Frame Size

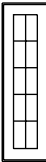
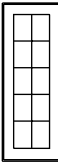
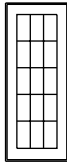
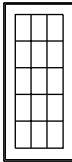

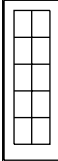
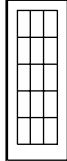
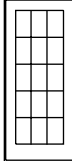
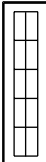
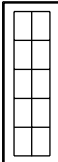
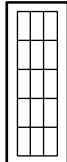
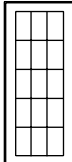
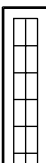
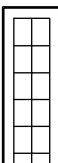
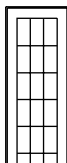
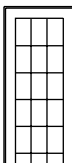
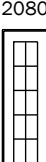
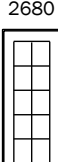
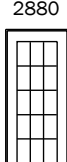
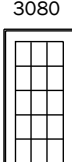
Masonry Opening: Recommended minimum of Unit or Frame Dimension plus 1/4"

Standard lite division depicted on single doors

Lifestyle Panels (LS) are built with larger glass in width and height. Elevations shown are not representative of correct stile & rail dimensions.

Swing Patio Door Sidelites

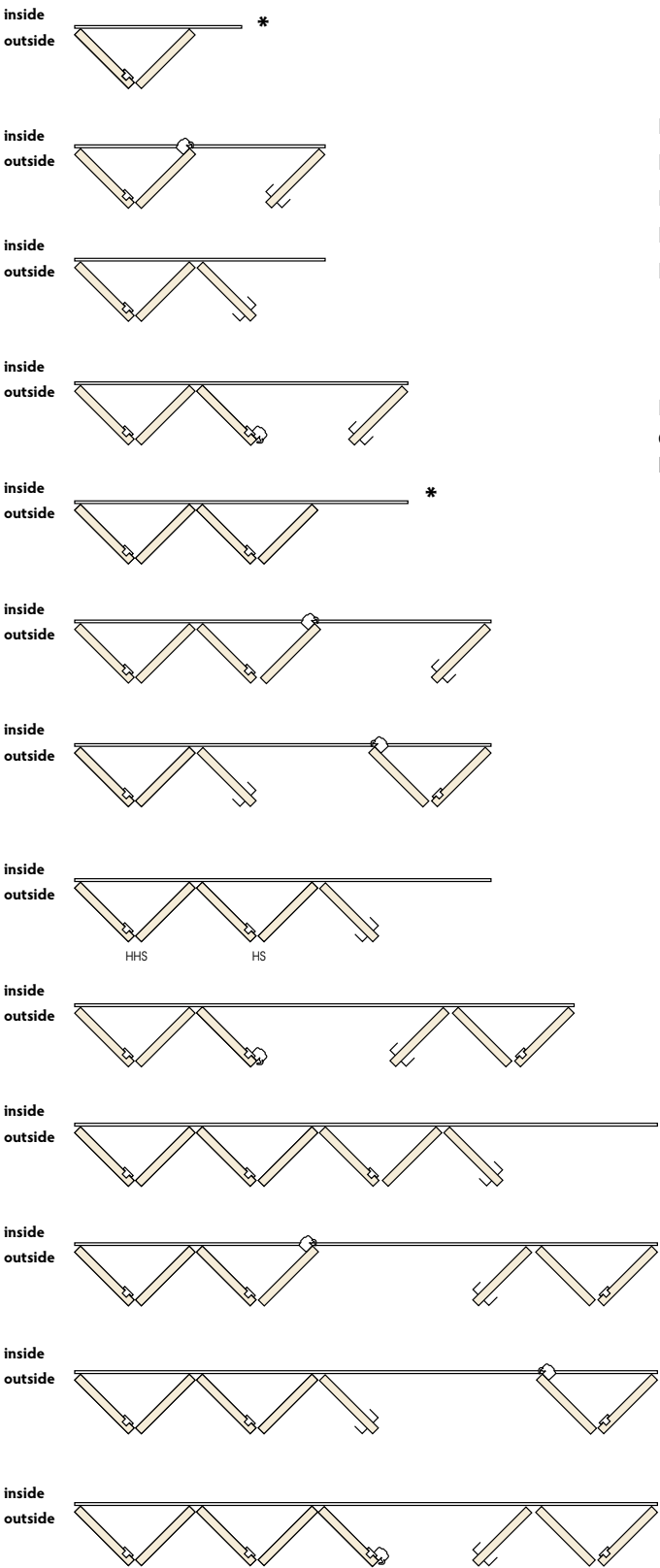
Narrow Stile Sidelites			
	1066	1666	2066
Frame	1066	1666	2066
Panel	1068	1668	2068
Glass	1070	1670	2070
	1080	1680	2080
	1090	1690	2090

Wide Stile Sidelites				
	25 $\frac{3}{8}$ "	31 $\frac{3}{8}$ "	33 $\frac{3}{8}$ "	37 $\frac{3}{8}$ "
	23 $\frac{13}{16}$ "	29 $\frac{13}{16}$ "	31 $\frac{13}{16}$ "	35 $\frac{13}{16}$ "
	14 $\frac{15}{16}$ "	20 $\frac{15}{16}$ "	22 $\frac{15}{16}$ "	26 $\frac{15}{16}$ "
Frame				
Panel				
Glass				
79 $\frac{1}{8}$ "	 2066	 2666	 2866	 3066
82 $\frac{1}{4}$ "	 2068	 2668	 2868	 3068
86 $\frac{1}{4}$ "	 2070	 2670	 2870	 3070
98 $\frac{1}{4}$ "	 2080	 2680	 2880	 3080
110 $\frac{1}{4}$ "	 2090	 2690	 2890	 3090

Rough Opening Widths: Individual Units Mullied. For rough opening width add R.O. of Swing door of your choice plus box(es) of sidelite.

Panels with Continuous Head and Sill: For rough opening width add R.O. of Swing door of your choice plus glass width of Sidelite panel(s) plus 4¹⁵/₁₆" (for each panel) – narrow stile only

Fold-A-Way Patio Door Typical Configurations



Maximum Panel Width: 35-13/16"
Maximum Panel Height: 105-1/4"
Maximum Number of Panels: 8 each direction (47.75' opening)
Maximum Panel Weight: 176 lbs
Door Panel Thickness: 1-3/4"

NOTE: When using maximum door width and height, door may exceed maximum door weight. Calculated weight check should be done.

*NOTE: Configurations without access panels are not accessible from the exterior.

Casement - Standard Operator

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening	Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
12	28	8-3/8	28-3/8	1.65	28	28	24-3/8	28-3/8	4.80
12	34	8-3/8	34-3/8	2.00	28	34	24-3/8	34-3/8	5.82
12	36	8-3/8	36-3/8	2.12	28	36	24-3/8	36-3/8	6.16
12	42	8-3/8	42-3/8	2.46	28	42	24-3/8	42-3/8	7.17
12	48	8-3/8	48-3/8	2.81	28	48	24-3/8	48-3/8	8.19
12	54	8-3/8	54-3/8	3.16	28	54	24-3/8	54-3/8	9.20
12	60	8-3/8	60-3/8	3.51	28	60	24-3/8	60-3/8	10.22
12	68	8-3/8	68-3/8	3.98	28	68	24-3/8	68-3/8	11.57
12	72	8-3/8	72-3/8	4.21	28	72	24-3/8	72-3/8	12.25
12	79	8-3/8	79-3/8	4.62	28	79	24-3/8	79-3/8	13.44
16	28	12-3/8	28-3/8	2.44	32	28	28-3/8	28-3/8	5.59
16	34	12-3/8	34-3/8	2.95	32	34	28-3/8	34-3/8	6.77
16	36	12-3/8	36-3/8	3.13	32	36	28-3/8	36-3/8	7.17
16	42	12-3/8	42-3/8	3.64	32	42	28-3/8	42-3/8	8.35
16	48	12-3/8	48-3/8	4.16	32	48	28-3/8	48-3/8	9.53
16	54	12-3/8	54-3/8	4.67	32	54	28-3/8	54-3/8	10.71
16	60	12-3/8	60-3/8	5.19	32	60	28-3/8	60-3/8	11.90
16	68	12-3/8	68-3/8	5.88	32	68	28-3/8	68-3/8	13.47
16	72	12-3/8	72-3/8	6.22	32	72	28-3/8	72-3/8	14.26
16	79	12-3/8	79-3/8	6.82	32	79	28-3/8	79-3/8	15.64
20	28	16-3/8	28-3/8	3.23					
20	34	16-3/8	34-3/8	3.91					
20	36	16-3/8	36-3/8	4.14					
20	42	16-3/8	42-3/8	4.82					
20	48	16-3/8	48-3/8	5.50					
20	54	16-3/8	54-3/8	6.18					
20	60	16-3/8	60-3/8	6.87					
20	68	16-3/8	68-3/8	7.78					
20	72	16-3/8	72-3/8	8.23					
20	79	16-3/8	79-3/8	9.03					
24	28	20-3/8	28-3/8	4.01					
24	34	20-3/8	34-3/8	4.86					
24	36	20-3/8	36-3/8	5.15					
24	42	20-3/8	42-3/8	6.00					
24	48	20-3/8	48-3/8	6.84					
24	54	20-3/8	54-3/8	7.69					
24	60	20-3/8	60-3/8	8.54					
24	68	20-3/8	68-3/8	9.67					
24	72	20-3/8	72-3/8	10.24					
24	79	20-3/8	79-3/8	11.23					

All dimensions $\pm 1/16"$

Clear opening Width = Glass - 3-5/8"

Clear Opening Height = Glass + 3/8"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

Push-Out Casement - Retractable Screen

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
12	28	7-5/8	26-1/2	1.40
12	34	7-5/8	32-1/2	1.72
12	36	7-5/8	34-1/2	1.83
12	42	7-5/8	40-1/2	2.14
12	48	7-5/8	46-1/2	2.46
12	54	7-5/8	52-1/2	2.78
12	60	7-5/8	58-1/2	3.10
12	68	7-5/8	66-1/2	3.52
12	72	7-5/8	70-1/2	3.73
16	28	11-5/8	26-1/2	2.14
16	34	11-5/8	32-1/2	2.62
16	36	11-5/8	34-1/2	2.79
16	42	11-5/8	40-1/2	3.27
16	48	11-5/8	46-1/2	3.75
16	54	11-5/8	52-1/2	4.24
16	60	11-5/8	58-1/2	4.72
16	68	11-5/8	66-1/2	5.37
16	72	11-5/8	70-1/2	5.69
20	28	15-5/8	26-1/2	2.88
20	34	15-5/8	32-1/2	3.53
20	36	15-5/8	34-1/2	3.74
20	42	15-5/8	40-1/2	4.39
20	48	15-5/8	46-1/2	5.05
20	54	15-5/8	52-1/2	5.70
20	60	15-5/8	58-1/2	6.35
20	68	15-5/8	66-1/2	7.22
20	72	15-5/8	70-1/2	7.65
24	28	19-5/8	26-1/2	3.61
24	34	19-5/8	32-1/2	4.43
24	36	19-5/8	34-1/2	4.70
24	42	19-5/8	40-1/2	5.52
24	48	19-5/8	46-1/2	6.34
24	54	19-5/8	52-1/2	7.15
24	60	19-5/8	58-1/2	7.97
24	68	19-5/8	66-1/2	9.06
24	72	19-5/8	70-1/2	9.61

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
28	28	23-5/8	26-1/2	4.35
28	34	23-5/8	32-1/2	5.33
28	36	23-5/8	34-1/2	5.66
28	42	23-5/8	40-1/2	6.64
28	48	23-5/8	46-1/2	7.63
28	54	23-5/8	52-1/2	8.61
28	60	23-5/8	58-1/2	9.60
28	68	23-5/8	66-1/2	10.91
28	72	23-5/8	70-1/2	11.57
32	28	27-5/8	26-1/2	5.08
32	34	27-5/8	32-1/2	6.23
32	36	27-5/8	34-1/2	6.62
32	42	27-5/8	40-1/2	7.77
32	48	27-5/8	46-1/2	8.92
32	54	27-5/8	52-1/2	10.07
32	60	27-5/8	58-1/2	11.22
32	68	27-5/8	66-1/2	12.76
32	72	27-5/8	70-1/2	13.52

All dimensions $\pm 1/16"$

Clear opening Width = Glass - 4-1/8"

Clear Opening Height = Glass + 5/8"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

Push-Out Casement - Wood Screen

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
12	28	8-1/4	29-5/8	1.70
12	34	8-1/4	35-5/8	2.04
12	36	8-1/4	37-5/8	2.16
12	42	8-1/4	43-5/8	2.50
12	48	8-1/4	49-5/8	2.84
12	54	8-1/4	55-5/8	3.19
12	60	8-1/4	61-5/8	3.53
12	68	8-1/4	69-5/8	3.99
12	72	8-1/4	73-5/8	4.22
16	28	12-1/4	29-5/8	2.52
16	34	12-1/4	35-5/8	3.03
16	36	12-1/4	37-5/8	3.20
16	42	12-1/4	43-5/8	3.71
16	48	12-1/4	49-5/8	4.22
16	54	12-1/4	55-5/8	4.73
16	60	12-1/4	61-5/8	5.24
16	68	12-1/4	69-5/8	5.92
16	72	12-1/4	73-5/8	6.26
20	28	16-1/4	29-5/8	3.34
20	34	16-1/4	35-5/8	4.02
20	36	16-1/4	37-5/8	4.25
20	42	16-1/4	43-5/8	4.92
20	48	16-1/4	49-5/8	5.60
20	54	16-1/4	55-5/8	6.28
20	60	16-1/4	61-5/8	6.95
20	68	16-1/4	69-5/8	7.86
20	72	16-1/4	73-5/8	8.31
24	28	20-1/4	29-5/8	4.17
24	34	20-1/4	35-5/8	5.01
24	36	20-1/4	37-5/8	5.29
24	42	20-1/4	43-5/8	6.13
24	48	20-1/4	49-5/8	6.98
24	54	20-1/4	55-5/8	7.82
24	60	20-1/4	61-5/8	8.67
24	68	20-1/4	69-5/8	9.79
24	72	20-1/4	73-5/8	10.35

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
28	28	24-1/4	29-5/8	4.99
28	34	24-1/4	35-5/8	6.00
28	36	24-1/4	37-5/8	6.34
28	42	24-1/4	43-5/8	7.35
28	48	24-1/4	49-5/8	8.36
28	54	24-1/4	55-5/8	9.37
28	60	24-1/4	61-5/8	10.38
28	68	24-1/4	69-5/8	11.73
28	72	24-1/4	73-5/8	12.40
32	28	28-1/4	29-5/8	5.81
32	34	28-1/4	35-5/8	6.99
32	36	28-1/4	37-5/8	7.38
32	42	28-1/4	43-5/8	8.56
32	48	28-1/4	49-5/8	9.74
32	54	28-1/4	55-5/8	10.91
32	60	28-1/4	61-5/8	12.09
32	68	28-1/4	69-5/8	13.66
32	72	28-1/4	73-5/8	14.44

All dimensions $\pm 1/16"$

Clear opening Width = Glass - 4-1/8"

Clear Opening Height = Glass + 5/8"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

French Casement - Dual Arm Operator

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
20-7/16	33-13/16	37-5/8	34-3/8	8.98
20-7/16	35-13/16	37-5/8	36-3/8	9.50
20-7/16	41-13/16	37-5/8	42-3/8	11.07
20-7/16	47-13/16	37-5/8	48-3/8	12.64
20-7/16	53-13/16	37-5/8	54-3/8	14.21
20-7/16	59-13/16	37-5/8	60-3/8	15.78
20-7/16	67-13/16	37-5/8	68-3/8	17.87
20-7/16	71-13/16	37-5/8	72-3/8	18.91
24-7/16	33-13/16	45-5/8	34-3/8	10.89
24-7/16	35-13/16	45-5/8	36-3/8	11.53
24-7/16	41-13/16	45-5/8	42-3/8	13.43
24-7/16	47-13/16	45-5/8	48-3/8	15.33
24-7/16	53-13/16	45-5/8	54-3/8	17.23
24-7/16	59-13/16	45-5/8	60-3/8	19.13
24-7/16	67-13/16	45-5/8	68-3/8	21.66
24-7/16	71-13/16	45-5/8	72-3/8	22.93

French Casement - Single Arm Operator

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
16 7/16	33-13/16	29-1/4	34-3/8	6.98
16 7/16	35-13/16	29-1/4	36-3/8	7.39
16 7/16	41-13/16	29-1/4	42-3/8	8.61
16 7/16	47-13/16	29-1/4	48-3/8	9.83
16 7/16	53-13/16	29-1/4	54-3/8	11.04
16 7/16	59-13/16	29-1/4	60-3/8	12.26
16 7/16	67-13/16	29-1/4	68-3/8	13.89
16 7/16	71-13/16	29-1/4	72-3/8	14.70

All dimensions $\pm 1/16"$

Note: 16-7/16" glass width will not accept dual arm operator due to interference with multi-point hardware. Single arm is used as standard on 16-7/16" glass width

Glider Units

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening	Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
16	16	16 -9/16	17 -7/8	2.06	28	16	28 -9/16	17 -7/8	3.55
16	20	16 -9/16	21 -7/8	2.52	28	20	28 -9/16	21 -7/8	4.34
16	24	16 -9/16	25 -7/8	2.98	28	24	28 -9/16	25 -7/8	5.13
16	28	16 -9/16	29 -7/8	3.44	28	28	28 -9/16	29 -7/8	5.93
16	32	16 -9/16	33 -7/8	3.90	28	32	28 -9/16	33 -7/8	6.72
16	36	16 -9/16	37 -7/8	4.36	28	36	28 -9/16	37 -7/8	7.51
16	40	16 -9/16	41 -7/8	4.82	28	40	28 -9/16	41 -7/8	8.31
16	48	16 -9/16	49 -7/8	5.74	28	48	28 -9/16	49 -7/8	9.89
20	16	20 -9/16	17 -7/8	2.55	32	16	32 -9/16	17 -7/8	4.04
20	20	20 -9/16	21 -7/8	3.12	32	20	32 -9/16	21 -7/8	4.95
20	24	20 -9/16	25 -7/8	3.69	32	24	32 -9/16	25 -7/8	5.85
20	28	20 -9/16	29 -7/8	4.27	32	28	32 -9/16	29 -7/8	6.76
20	32	20 -9/16	33 -7/8	4.84	32	32	32 -9/16	33 -7/8	7.66
20	36	20 -9/16	37 -7/8	5.41	32	36	32 -9/16	37 -7/8	8.56
20	40	20 -9/16	41 -7/8	5.98	32	40	32 -9/16	41 -7/8	9.47
20	48	20 -9/16	49 -7/8	7.12	32	48	32 -9/16	49 -7/8	11.28
24	16	24 -9/16	17 -7/8	3.05					
24	20	24 -9/16	21 -7/8	3.73					
24	24	24 -9/16	25 -7/8	4.41					
24	28	24 -9/16	29 -7/8	5.10					

All dimensions $\pm 1/16"$

Triple Glider Units

Glass Size Width	Glass Size Width	Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
16	32	16	24	18 -1/8	25 -7/8	3.26
16	32	16	32	18 -1/8	33 -7/8	4.26
16	32	16	36	18 -1/8	37 -7/8	4.77
16	32	16	40	18 -1/8	41 -7/8	5.27
16	32	16	48	18 -1/8	49 -7/8	6.28
20	36	20	24	22 -1/8	25 -7/8	3.98
20	36	20	32	22 -1/8	33 -7/8	5.20
20	36	20	36	22 -1/8	37 -7/8	5.82
20	36	20	40	22 -1/8	41 -7/8	6.43
20	36	20	48	22 -1/8	49 -7/8	7.66
20	40	20	24	22 -1/8	25 -7/8	3.98
20	40	20	32	22 -1/8	33 -7/8	5.20
20	40	20	36	22 -1/8	37 -7/8	5.82
20	40	20	40	22 -1/8	41 -7/8	6.43
20	40	20	48	22 -1/8	49 -7/8	7.66
24	48	24	24	26 -1/8	25 -7/8	4.69
24	48	24	32	26 -1/8	33 -7/8	6.15
24	48	24	36	26 -1/8	37 -7/8	6.87
24	48	24	40	26 -1/8	41 -7/8	7.60
24	48	24	48	26 -1/8	49 -7/8	9.05

All dimensions $\pm 1/16"$

***The clear opening width shown above is with one sash open

Double Hung

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
12	12	13 -1/4	11-3/4	1.08
12	14	13 -1/4	13-3/4	1.27
12	16	13 -1/4	15-3/4	1.45
12	18	13 -1/4	17-3/4	1.63
12	20	13 -1/4	19-3/4	1.82
12	22	13 -1/4	21-3/4	2.00
12	24	13 -1/4	23-3/4	2.19
12	26	13 -1/4	25-3/4	2.37
12	28	13 -1/4	27-3/4	2.55
12	30	13 -1/4	29-3/4	2.74
12	32	13 -1/4	31-3/4	2.92
12	34	13 -1/4	33-3/4	3.11
12	36	13 -1/4	35-3/4	3.29
16	12	17 -1/4	11-3/4	1.41
16	14	17 -1/4	13-3/4	1.65
16	16	17 -1/4	15-3/4	1.89
16	18	17 -1/4	17-3/4	2.13
16	20	17 -1/4	19-3/4	2.37
16	22	17 -1/4	21-3/4	2.61
16	24	17 -1/4	23-3/4	2.85
16	26	17 -1/4	25-3/4	3.08
16	28	17 -1/4	27-3/4	3.32
16	30	17 -1/4	29-3/4	3.56
16	32	17 -1/4	31-3/4	3.80
16	34	17 -1/4	33-3/4	4.04
16	36	17 -1/4	35-3/4	4.28
20	12	21 -1/4	11-3/4	1.73
20	14	21 -1/4	13-3/4	2.03
20	16	21 -1/4	15-3/4	2.32
20	18	21 -1/4	17-3/4	2.62
20	20	21 -1/4	19-3/4	2.91
20	22	21 -1/4	21-3/4	3.21
20	24	21 -1/4	23-3/4	3.50
20	26	21 -1/4	25-3/4	3.80
20	28	21 -1/4	27-3/4	4.10
20	30	21 -1/4	29-3/4	4.39
20	32	21 -1/4	31-3/4	4.69
20	34	21 -1/4	33-3/4	4.98
20	36	21 -1/4	35-3/4	5.28

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
24	12	25 -1/4	11-3/4	2.06
24	14	25 -1/4	13-3/4	2.41
24	16	25 -1/4	15-3/4	2.76
24	18	25 -1/4	17-3/4	3.11
24	20	25 -1/4	19-3/4	3.46
24	22	25 -1/4	21-3/4	3.81
24	24	25 -1/4	23-3/4	4.16
24	26	25 -1/4	25-3/4	4.52
24	28	25 -1/4	27-3/4	4.87
24	30	25 -1/4	29-3/4	5.22
24	32	25 -1/4	31-3/4	5.57
24	34	25 -1/4	33-3/4	5.92
24	36	25 -1/4	35-3/4	6.27
28	12	29 -1/4	11-3/4	2.39
28	14	29 -1/4	13-3/4	2.79
28	16	29 -1/4	15-3/4	3.20
28	18	29 -1/4	17-3/4	3.61
28	20	29 -1/4	19-3/4	4.01
28	22	29 -1/4	21-3/4	4.42
28	24	29 -1/4	23-3/4	4.82
28	26	29 -1/4	25-3/4	5.23
28	28	29 -1/4	27-3/4	5.64
28	30	29 -1/4	29-3/4	6.04
28	32	29 -1/4	31-3/4	6.45
28	34	29 -1/4	33-3/4	6.86
28	36	29 -1/4	35-3/4	7.26
32	12	33 -1/4	11-3/4	2.71
32	14	33 -1/4	13-3/4	3.17
32	16	33 -1/4	15-3/4	3.64
32	18	33 -1/4	17-3/4	4.10
32	20	33 -1/4	19-3/4	4.56
32	22	33 -1/4	21-3/4	5.02
32	24	33 -1/4	23-3/4	5.48
32	26	33 -1/4	25-3/4	5.95
32	28	33 -1/4	27-3/4	6.41
32	30	33 -1/4	29-3/4	6.87
32	32	33 -1/4	31-3/4	7.33
32	34	33 -1/4	33-3/4	7.79
32	36	33 -1/4	35-3/4	8.25

All dimensions ± 1/16"

Clear opening Width = Glass + 1-1/4"

Clear Opening Height = Bottom Sash Glass Height + 3/16"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

Double Hung

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
36	12	37 - 1/4	11-3/4	3.04
36	14	37 - 1/4	13-3/4	3.56
36	16	37 - 1/4	15-3/4	4.07
36	18	37 - 1/4	17-3/4	4.59
36	20	37 - 1/4	19-3/4	5.11
36	22	37 - 1/4	21-3/4	5.63
36	24	37 - 1/4	23-3/4	6.14
36	26	37 - 1/4	25-3/4	6.66
36	28	37 - 1/4	27-3/4	7.18
36	30	37 - 1/4	29-3/4	7.70
36	32	37 - 1/4	31-3/4	8.21
36	34	37 - 1/4	33-3/4	8.73
36	36	37 - 1/4	35-3/4	9.25
40	12	41 - 1/4	11-3/4	3.37
40	14	41 - 1/4	13-3/4	3.94
40	16	41 - 1/4	15-3/4	4.51
40	18	41 - 1/4	17-3/4	5.08
40	20	41 - 1/4	19-3/4	5.66
40	22	41 - 1/4	21-3/4	6.23
40	24	41 - 1/4	23-3/4	6.80
40	26	41 - 1/4	25-3/4	7.38
40	28	41 - 1/4	27-3/4	7.95
40	30	41 - 1/4	29-3/4	8.52
40	32	41 - 1/4	31-3/4	9.10
40	34	41 - 1/4	33-3/4	9.67
40	36	41 - 1/4	35-3/4	10.24

All dimensions $\pm 1/16"$

Clear opening Width = Glass + 1-1/4"

Clear Opening Height = Bottom Sash Glass Height + 3/16"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

Double Hung with DP/50 Upgrade Kit

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
12	12	13-1/4	11	1.01
12	14	13-1/4	13	1.20
12	16	13-1/4	15	1.38
12	18	13-1/4	17	1.56
12	20	13-1/4	19	1.75
12	22	13-1/4	21	1.93
12	24	13-1/4	23	2.12
12	26	13-1/4	25	2.30
12	28	13-1/4	27	2.48
12	30	13-1/4	29	2.67
12	32	13-1/4	31	2.85
12	34	13-1/4	33	3.04
12	36	13-1/4	35	3.22
16	12	17-1/4	11	1.32
16	14	17-1/4	13	1.56
16	16	17-1/4	15	1.80
16	18	17-1/4	17	2.04
16	20	17-1/4	19	2.28
16	22	17-1/4	21	2.52
16	24	17-1/4	23	2.76
16	26	17-1/4	25	2.99
16	28	17-1/4	27	3.23
16	30	17-1/4	29	3.47
16	32	17-1/4	31	3.71
16	34	17-1/4	33	3.95
16	36	17-1/4	35	4.19
20	12	21-1/4	11	1.62
20	14	21-1/4	13	1.92
20	16	21-1/4	15	2.21
20	18	21-1/4	17	2.51
20	20	21-1/4	19	2.80
20	22	21-1/4	21	3.10
20	24	21-1/4	23	3.39
20	26	21-1/4	25	3.69
20	28	21-1/4	27	3.98
20	30	21-1/4	29	4.28
20	32	21-1/4	31	4.57
20	34	21-1/4	33	4.87
20	36	21-1/4	35	5.16

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
24	12	25-1/4	11	1.93
24	14	25-1/4	13	2.28
24	16	25-1/4	15	2.63
24	18	25-1/4	17	2.98
24	20	25-1/4	19	3.33
24	22	25-1/4	21	3.68
24	24	25-1/4	23	4.03
24	26	25-1/4	25	4.38
24	28	25-1/4	27	4.73
24	30	25-1/4	29	5.09
24	32	25-1/4	31	5.44
24	34	25-1/4	33	5.79
24	36	25-1/4	35	6.14
28	12	29-1/4	11	2.23
28	14	29-1/4	13	2.64
28	16	29-1/4	15	3.05
28	18	29-1/4	17	3.45
28	20	29-1/4	19	3.86
28	22	29-1/4	21	4.27
28	24	29-1/4	23	4.67
28	26	29-1/4	25	5.08
28	28	29-1/4	27	5.48
28	30	29-1/4	29	5.89
28	32	29-1/4	31	6.30
28	34	29-1/4	33	6.70
28	36	29-1/4	35	7.11
32	12	33-1/4	11	2.54
32	14	33-1/4	13	3.00
32	16	33-1/4	15	3.46
32	18	33-1/4	17	3.93
32	20	33-1/4	19	4.39
32	22	33-1/4	21	4.85
32	24	33-1/4	23	5.31
32	26	33-1/4	25	5.77
32	28	33-1/4	27	6.23
32	30	33-1/4	29	6.70
32	32	33-1/4	31	7.16
32	34	33-1/4	33	7.62

All dimensions $\pm 1/16"$

Clear opening Width = Glass + 1-1/4"

Clear Opening Height = Bottom Sash Glass Height - 9/16"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

Double Hung with Concealed Jamblers

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
12	12	13-7/8	11-3/4	1.13
12	14	13-7/8	13-3/4	1.32
12	16	13-7/8	15-3/4	1.52
12	18	13-7/8	17-3/4	1.71
12	20	13-7/8	19-3/4	1.90
12	22	13-7/8	21-3/4	2.10
12	24	13-7/8	23-3/4	2.29
12	26	13-7/8	25-3/4	2.48
12	28	13-7/8	27-3/4	2.67
12	30	13-7/8	29-3/4	2.87
12	32	13-7/8	31-3/4	3.06
12	34	13-7/8	33-3/4	3.25
12	36	13-7/8	35-3/4	3.44
16	12	17-7/8	11-3/4	1.46
16	14	17-7/8	13-3/4	1.71
16	16	17-7/8	15-3/4	1.96
16	18	17-7/8	17-3/4	2.20
16	20	17-7/8	19-3/4	2.45
16	22	17-7/8	21-3/4	2.70
16	24	17-7/8	23-3/4	2.95
16	26	17-7/8	25-3/4	3.20
16	28	17-7/8	27-3/4	3.44
16	30	17-7/8	29-3/4	3.69
16	32	17-7/8	31-3/4	3.94
16	34	17-7/8	33-3/4	4.19
16	36	17-7/8	35-3/4	4.44
20	12	21-7/8	11-3/4	1.78
20	14	21-7/8	13-3/4	2.09
20	16	21-7/8	15-3/4	2.39
20	18	21-7/8	17-3/4	2.70
20	20	21-7/8	19-3/4	3.00
20	22	21-7/8	21-3/4	3.30
20	24	21-7/8	23-3/4	3.61
20	26	21-7/8	25-3/4	3.91
20	28	21-7/8	27-3/4	4.22
20	30	21-7/8	29-3/4	4.52
20	32	21-7/8	31-3/4	4.82
20	34	21-7/8	33-3/4	5.13
20	36	21-7/8	35-3/4	5.43

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
24	12	25-7/8	11-3/4	2.11
24	14	25-7/8	13-3/4	2.47
24	16	25-7/8	15-3/4	2.83
24	18	25-7/8	17-3/4	3.19
24	20	25-7/8	19-3/4	3.55
24	22	25-7/8	21-3/4	3.91
24	24	25-7/8	23-3/4	4.27
24	26	25-7/8	25-3/4	4.63
24	28	25-7/8	27-3/4	4.99
24	30	25-7/8	29-3/4	5.35
24	32	25-7/8	31-3/4	5.71
24	34	25-7/8	33-3/4	6.06
24	36	25-7/8	35-3/4	6.42
28	12	29-7/8	11-3/4	2.44
28	14	29-7/8	13-3/4	2.85
28	16	29-7/8	15-3/4	3.27
28	18	29-7/8	17-3/4	3.68
28	20	29-7/8	19-3/4	4.10
28	22	29-7/8	21-3/4	4.51
28	24	29-7/8	23-3/4	4.93
28	26	29-7/8	25-3/4	5.34
28	28	29-7/8	27-3/4	5.76
28	30	29-7/8	29-3/4	6.17
28	32	29-7/8	31-3/4	6.59
28	34	29-7/8	33-3/4	7.00
28	36	29-7/8	35-3/4	7.42
32	12	33-7/8	11-3/4	2.76
32	14	33-7/8	13-3/4	3.23
32	16	33-7/8	15-3/4	3.71
32	18	33-7/8	17-3/4	4.18
32	20	33-7/8	19-3/4	4.65
32	22	33-7/8	21-3/4	5.12
32	24	33-7/8	23-3/4	5.59
32	26	33-7/8	25-3/4	6.06
32	28	33-7/8	27-3/4	6.53
32	30	33-7/8	29-3/4	7.00
32	32	33-7/8	31-3/4	7.47
32	34	33-7/8	33-3/4	7.94
32	36	33-7/8	35-3/4	8.41

All dimensions $\pm 1/16"$

Clear opening Width = Glass + 1-7/8"

Clear Opening Height = Bottom Sash Glass Height + 3/16"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

Double Hung with Concealed Jambliners

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
36	12	37-7/8	11-3/4	3.09
36	14	37-7/8	13-3/4	3.62
36	16	37-7/8	15-3/4	4.14
36	18	37-7/8	17-3/4	4.67
36	20	37-7/8	19-3/4	5.19
36	22	37-7/8	21-3/4	5.72
36	24	37-7/8	23-3/4	6.25
36	26	37-7/8	25-3/4	6.77
36	28	37-7/8	27-3/4	7.30
36	30	37-7/8	29-3/4	7.82
36	32	37-7/8	31-3/4	8.35
36	34	37-7/8	33-3/4	8.88
36	36	37-7/8	35-3/4	9.40
40	12	41-7/8	11-3/4	3.42
40	14	41-7/8	13-3/4	4.00
40	16	41-7/8	15-3/4	4.58
40	18	41-7/8	17-3/4	5.16
40	20	41-7/8	19-3/4	5.74
40	22	41-7/8	21-3/4	6.32
40	24	41-7/8	23-3/4	6.91
40	26	41-7/8	25-3/4	7.49
40	28	41-7/8	27-3/4	8.07
40	30	41-7/8	29-3/4	8.65
40	32	41-7/8	31-3/4	9.23
40	34	41-7/8	33-3/4	9.81
40	36	41-7/8	35-3/4	10.40

All dimensions $\pm 1/16"$

Clear opening Width = Glass + 1-7/8"

Clear Opening Height = Bottom Sash Glass Height + 3/16"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

Double Hung with DP/50 and Concealed Jambliners

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening	Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
12	12	13-7/8	11	1.06	24	12	25-7/8	11	1.98
12	14	13-7/8	13	1.25	24	14	25-7/8	13	2.34
12	16	13-7/8	15	1.45	24	16	25-7/8	15	2.70
12	18	13-7/8	17	1.64	24	18	25-7/8	17	3.05
12	20	13-7/8	19	1.83	24	20	25-7/8	19	3.41
12	22	13-7/8	21	2.02	24	22	25-7/8	21	3.77
12	24	13-7/8	23	2.22	24	24	25-7/8	23	4.13
12	26	13-7/8	25	2.41	24	26	25-7/8	25	4.49
12	28	13-7/8	27	2.60	24	28	25-7/8	27	4.85
12	30	13-7/8	29	2.79	24	30	25-7/8	29	5.21
12	32	13-7/8	31	2.99	24	32	25-7/8	31	5.57
12	34	13-7/8	33	3.18	24	34	25-7/8	33	5.93
12	36	13-7/8	35	3.37	24	36	25-7/8	35	6.29
16	12	17-7/8	11	1.37	28	12	29-7/8	11	2.28
16	14	17-7/8	13	1.61	28	14	29-7/8	13	2.70
16	16	17-7/8	15	1.86	28	16	29-7/8	15	3.11
16	18	17-7/8	17	2.11	28	18	29-7/8	17	3.53
16	20	17-7/8	19	2.36	28	20	29-7/8	19	3.94
16	22	17-7/8	21	2.61	28	22	29-7/8	21	4.36
16	24	17-7/8	23	2.86	28	24	29-7/8	23	4.77
16	26	17-7/8	25	3.10	28	26	29-7/8	25	5.19
16	28	17-7/8	27	3.35	28	28	29-7/8	27	5.60
16	30	17-7/8	29	3.60	28	30	29-7/8	29	6.02
16	32	17-7/8	31	3.85	28	32	29-7/8	31	6.43
16	34	17-7/8	33	4.10	28	34	29-7/8	33	6.85
16	36	17-7/8	35	4.34	28	36	29-7/8	35	7.26
20	12	21-7/8	11	1.67	32	12	33-7/8	11	2.59
20	14	21-7/8	13	1.97	32	14	33-7/8	13	3.06
20	16	21-7/8	15	2.28	32	16	33-7/8	15	3.53
20	18	21-7/8	17	2.58	32	18	33-7/8	17	4.00
20	20	21-7/8	19	2.89	32	20	33-7/8	19	4.47
20	22	21-7/8	21	3.19	32	22	33-7/8	21	4.94
20	24	21-7/8	23	3.49	32	24	33-7/8	23	5.41
20	26	21-7/8	25	3.80	32	26	33-7/8	25	5.88
20	28	21-7/8	27	4.10	32	28	33-7/8	27	6.35
20	30	21-7/8	29	4.41	32	30	33-7/8	29	6.82
20	32	21-7/8	31	4.71	32	32	33-7/8	31	7.29
20	34	21-7/8	33	5.01	32	34	33-7/8	33	7.76
20	36	21-7/8	35	5.32					

All dimensions $\pm 1/16''$

Clear opening Width = Glass + 1-7/8"

Clear Opening Height = Bottom Sash Glass Height - 9/16"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

Lifestyle Double Hung

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
20	15-3/16	22	13-3/4	2.10
20	17-3/16	22	15-3/4	2.41
20	21-3/16	22	19-3/4	3.02
20	23-3/16	22	21-3/4	3.32
20	27-3/16	22	25-3/4	3.93
20	29-3/16	22	27-3/4	4.24
20	33-3/16	22	31-3/4	4.85
20	35-3/16	22	33-3/4	5.16
24	15-3/16	26	13-3/4	2.48
24	17-3/16	26	15-3/4	2.84
24	21-3/16	26	19-3/4	3.57
24	23-3/16	26	21-3/4	3.93
24	27-3/16	26	25-3/4	4.65
24	29-3/16	26	27-3/4	5.01
24	33-3/16	26	31-3/4	5.73
24	35-3/16	26	33-3/4	6.09
26	15-3/16	28	13-3/4	2.67
26	17-3/16	28	15-3/4	3.06
26	21-3/16	28	19-3/4	3.84
26	23-3/16	28	21-3/4	4.23
26	27-3/16	28	25-3/4	5.01
26	29-3/16	28	27-3/4	5.40
26	33-3/16	28	31-3/4	6.17
26	35-3/16	28	33-3/4	6.56
28	15-3/16	30	13-3/4	2.86
28	17-3/16	30	15-3/4	3.28
28	21-3/16	30	19-3/4	4.11
28	23-3/16	30	21-3/4	4.53
28	27-3/16	30	25-3/4	5.36
28	29-3/16	30	27-3/4	5.78
28	33-3/16	30	31-3/4	6.61
28	35-3/16	30	33-3/4	7.03
30	15-3/16	32	13-3/4	3.06
30	17-3/16	32	15-3/4	3.50
30	21-3/16	32	19-3/4	4.39
30	23-3/16	32	21-3/4	4.83
30	27-3/16	32	25-3/4	5.72
30	29-3/16	32	27-3/4	6.17
30	33-3/16	32	31-3/4	7.06
30	35-3/16	32	33-3/4	7.50

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
32	15-3/16	34	13-3/4	3.25
32	17-3/16	34	15-3/4	3.72
32	21-3/16	34	19-3/4	4.66
32	23-3/16	34	21-3/4	5.14
32	27-3/16	34	25-3/4	6.08
32	29-3/16	34	27-3/4	6.55
32	33-3/16	34	31-3/4	7.50
32	35-3/16	34	33-3/4	7.97
36	13-3/16	38	11-3/4	3.10
36	17-3/16	38	15-3/4	4.16
36	21-3/16	38	19-3/4	5.21
36	23-3/16	38	21-3/4	5.74
36	27-3/16	38	25-3/4	6.80
36	29-3/16	38	27-3/4	7.32
36	33-3/16	38	31-3/4	8.38
36	35-3/16	38	33-3/4	8.91
40	13-3/16	42	11-3/4	3.43
40	17-3/16	42	15-3/4	4.59
40	21-3/16	42	19-3/4	5.76
40	23-3/16	42	21-3/4	6.34
40	27-3/16	42	25-3/4	7.51
40	29-3/16	42	27-3/4	8.09
40	33-3/16	42	31-3/4	9.26
40	35-3/16	42	33-3/4	9.84

All dimensions $\pm 1/16"$

Clear opening Width = Glass + 1-7/8"

Clear Opening Height = Bottom Sash Glass Height - 9/16"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

Quantum Double Hung

Glass Size Width	Glass Size Height	Clear Opening Width	Clear Opening Height	Square Ft. of Clear Opening
32	32	35-1/8	30-1/8	7.38
32	36	35-1/8	34-1/8	8.35
32	40	35-1/8	38-1/8	9.33
32	44	35-1/8	42-1/8	10.31
32	48	35-1/8	46-1/8	11.28
32	52	35-1/8	50-1/8	12.26
36	32	39-1/8	30-1/8	8.22
36	36	39-1/8	34-1/8	9.31
36	40	39-1/8	38-1/8	10.39
36	44	39-1/8	42-1/8	11.48
36	48	39-1/8	46-1/8	12.57
36	52	39-1/8	50-1/8	13.65
40	32	43-1/8	30-1/8	9.06
40	36	43-1/8	34-1/8	10.26
40	40	43-1/8	38-1/8	11.46
40	44	43-1/8	42-1/8	12.65
40	48	43-1/8	46-1/8	13.85
40	52	43-1/8	50-1/8	15.05
42	32	45-1/8	30-1/8	9.48
42	36	45-1/8	34-1/8	10.73
42	40	45-1/8	38-1/8	11.99
42	44	45-1/8	42-1/8	13.24
42	48	45-1/8	46-1/8	14.49
42	52	45-1/8	50-1/8	15.75
44	32	47-1/8	30-1/8	9.90
44	36	47-1/8	34-1/8	11.21
44	40	47-1/8	38-1/8	12.52
44	44	47-1/8	42-1/8	13.83
44	48	47-1/8	46-1/8	15.14
44	52	47-1/8	50-1/8	16.44
48	32	51-1/8	30-1/8	10.74
48	36	51-1/8	34-1/8	12.16
48	40	51-1/8	38-1/8	13.58
48	44	51-1/8	42-1/8	15.00
48	48	51-1/8	46-1/8	16.42
48	52	51-1/8	50-1/8	17.84

All dimensions $\pm 1/16"$

Clear opening Width = Glass + 1-7/8"

Clear Opening Height = Bottom Sash Glass Height - 9/16"

Sq. Ft. of Clear Opening = (Clear opening width) x (Clear Opening Height) / 144

Slide Patio Doors - Narrow Stile

Narrow Stile 6/6 Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	25	73	-	-	-
5/0	25	73	22-1/8	76 3/16	11.71
7/6	25	73	22-1/8	76 3/16	11.71
10/0	25	73	45-1/4	76 3/16	23.94
3/0*	31	73	-	-	-
6/0*	31	73	28-1/8	76 3/16	14.88
9/0*	31	73	28-1/8	76 3/16	14.88
12/0*	31	73	57-1/4	76 3/16	30.29
4/0	43	73	-	-	-
8/0	43	73	40-1/8	76 3/16	21.23
12/0	43	73	40-1/8	76 3/16	21.23
16/0	43	73	81-1/4	76 3/16	42.99

Narrow Stile 6/8 Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	25	76	-	-	-
5/0	25	76	22-1/8	79 3/16	12.17
7/6	25	76	22-1/8	79 3/16	12.17
10/0	25	76	45-1/4	79 3/16	24.88
3/0	34	76	-	-	-
6/0	34	76	31-1/8	79 3/16	17.12
9/0	34	76	31-1/8	79 3/16	17.12
12/0	34	76	63-1/4	79 3/16	34.78
4/0	43	76	-	-	-
8/0	43	76	40-1/8	79 3/16	22.07
12/0	43	76	40-1/8	79 3/16	22.07
16/0	43	76	81-1/4	79 3/16	44.68

Narrow Stile 8/0 Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	25	89-7/8	-	-	-
5/0	25	89-7/8	22-1/8	93-1/16	14.30
7/6	25	89-7/8	22-1/8	93-1/16	14.30
10/0	25	89-7/8	45-1/4	93-1/16	29.24
3/0	34	89-7/8	-	-	-
6/0	34	89-7/8	31-1/8	93-1/16	20.12
9/0	34	89-7/8	31-1/8	93-1/16	20.12
12/0	34	89-7/8	63-1/4	93-1/16	40.88
4/0	43	89-7/8	-	-	-
8/0	43	89-7/8	40-1/8	93-1/16	25.93
12/0	43	89-7/8	40-1/8	93-1/16	25.93
16/0	43	89-7/8	81-1/4	93-1/16	52.51

All dimensions ± 1/16"

This data accurate as of 08/2015. Reference www.lincolnwinds.com for most current information.

Slide Patio Doors - Wide Stile

Wide Stile 6/6 Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	21-5/8	68-5/16	-	-	-
5/0	21-5/8	68-5/16	20-13/16	76-3/16	11.01
7/6	21-5/8	68-5/16	20-13/16	76-3/16	11.01
10/0	21-5/8	68-5/16	42-5/8	76-3/16	22.55
3/0*	27-5/8	68-5/16	-	-	-
6/0*	27-5/8	68-5/16	26-13/16	76-3/16	14.19
9/0*	27-5/8	68-5/16	26-13/16	76-3/16	14.19
12/0*	27-5/8	68-5/16	54-5/8	76-3/16	28.90
4/0	39-5/8	68-5/16	-	-	-
8/0	39-5/8	68-5/16	38-13/16	76-3/16	20.53
12/0	39-5/8	68-5/16	38-13/16	76-3/16	20.53
16/0	39-5/8	68-5/16	78-5/8	76-3/16	41.60

Wide Stile 6/8 Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	21-5/8	68-15/16	-	-	-
5/0	21-5/8	68-15/16	20-13/16	79-3/16	11.45
7/6	21-5/8	68-15/16	20-13/16	79-3/16	11.45
10/0	21-5/8	68-15/16	42-5/8	79-3/16	23.44
3/0	30-5/8	68-15/16	-	-	-
6/0	30-5/8	68-15/16	29-13/16	79-3/16	16.39
9/0	30-5/8	68-15/16	29-13/16	79-3/16	16.39
12/0	30-5/8	68-15/16	60-5/8	79-3/16	33.34
4/0	39-5/8	68-15/16	-	-	-
8/0	39-5/8	68-15/16	38-13/16	79-3/16	21.34
12/0	39-5/8	68-15/16	38-13/16	79-3/16	21.34
16/0	39-5/8	68-15/16	78-5/8	79-3/16	43.24

Wide Stile 8/0 Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	21-5/8	82-13/16	-	-	-
5/0	21-5/8	82-13/16	20-13/16	93 1/16	13.45
7/6	21-5/8	82-13/16	20-13/16	93 1/16	13.45
10/0	21-5/8	82-13/16	42-5/8	93 1/16	27.55
3/0	30-5/8	82-13/16	-	-	-
6/0	30-5/8	82-13/16	29-13/16	93 1/16	19.27
9/0	30-5/8	82-13/16	29-13/16	93 1/16	19.27
12/0	30-5/8	82-13/16	60-5/8	93 1/16	39.18
4/0	39-5/8	82-13/16	-	-	-
8/0	39-5/8	82-13/16	38-13/16	93 1/16	25.08
12/0	39-5/8	82-13/16	38-13/16	93 1/16	25.08
16/0	39-5/8	82-13/16	78-5/8	93 1/16	50.81

All dimensions ± 1/16"

This data accurate as of 08/2015. Reference www.lincolnwindows.com for most current information.

In-Swing Patio Doors

6/6 Height In-Swing Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	20-15/16	68	26-13/16	75-7/8	14.13
2/8	22-15/16	68	28-13/16	75-7/8	15.18
3/0	26-15/16	68	32-13/16	75-7/8	17.29

6/8 Height In-Swing Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	20-15/16	68-3/4	26-13/16	79	14.71
2/8	22-15/16	68-3/4	28-13/16	79	15.81
3/0	26-15/16	68-3/4	32-13/16	79	18.00

7/0 Height In-Swing Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	20-15/16	72-3/4	26-13/16	83	15.45
2/8	22-15/16	72-3/4	28-13/16	83	16.61
3/0	26-15/16	72-3/4	32-13/16	83	18.91

8/0 Height In-Swing Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	20-15/16	84-3/4	26-13/16	95	17.69
2/8	22-15/16	84-3/4	28-13/16	95	19.01
3/0	26-15/16	84-3/4	32-13/16	95	21.65

9/0 Height In-Swing Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	20-15/16	96-3/4	26-13/16	107	19.92
2/8	22-15/16	96-3/4	28-13/16	107	21.41
3/0	26-15/16	96-3/4	32-13/16	107	24.38

Note: Clear Opening Width Based on Door Panel Open 90°

Add 1-3/4" to Width For Full Open Door

Add 7/8" To Height for Door with ADA Sill

Interior Jamb Extensions May Affect Clear Opening Widths Beyond 90°

In-Swing French Patio Doors

6/6 Height In-Swing French Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
4/0	14-15/16	68	42	75-7/8	22.13
5/0	20-15/16	68	54	75-7/8	28.45
5/4	22-15/16	68	58	75-7/8	30.56
6/0	26-15/16	68	66	75-7/8	34.78

6/8 Height In-Swing French Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
4/0	14-15/16	68-3/4	42	79	23.04
5/0	20-15/16	68-3/4	54	79	29.63
5/4	22-15/16	68-3/4	58	79	31.82
6/0	26-15/16	68-3/4	66	79	36.21

7/0 Height In-Swing French Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
4/0	14-15/16	72-3/4	42	83	24.21
5/0	20-15/16	72-3/4	54	83	31.13
5/4	22-15/16	72-3/4	58	83	33.43
6/0	26-15/16	72-3/4	66	83	38.04

8/0 Height In-Swing French Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
4/0	14-15/16	84-3/4	42	95	27.71
5/0	20-15/16	84-3/4	54	95	35.63
5/4	22-15/16	84-3/4	58	95	38.26
6/0	26-15/16	84-3/4	66	95	43.54

9/0 Height In-Swing French Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
4/0	14-15/16	96-3/4	42	107	31.21
5/0	20-15/16	96-3/4	54	107	40.13
5/4	22-15/16	96-3/4	58	107	43.10
6/0	26-15/16	96-3/4	66	107	49.04

Note: Clear Opening Width Based on Both Door Panels Open 90°

Add 5" to Width For Full Open Door

Add 7/8" To Height for Door with ADA Sill

Interior Jamb Extensions May Affect Clear Opening Widths Beyond 90°

Out-Swing Patio Doors

6/6 Height Out-Swing Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	20-15/16	68	26-15/16	75-13/16	14.18
2/8	22-15/16	68	28-15/16	75-13/16	15.23
3/0	26-15/16	68	32-15/16	75-13/16	17.34

6/8 Height Out-Swing Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	20-15/16	68.75	26-15/16	78-15/16	14.77
2/8	22-15/16	68.75	28-15/16	78-15/16	15.86
3/0	26-15/16	68.75	32-15/16	78-15/16	18.06

7/0 Height Out-Swing Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	20-15/16	68.75	26-15/16	78-15/16	14.77
2/8	22-15/16	68.75	28-15/16	78-15/16	15.86
3/0	26-15/16	68.75	32-15/16	78-15/16	18.06

8/0 Height Out-Swing Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	20-15/16	84.75	26-15/16	94-15/16	17.76
2/8	22-15/16	84.75	28-15/16	94-15/16	19.08
3/0	26-15/16	84.75	32-15/16	94-15/16	21.72

9/0 Height Out-Swing Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
2/6	20-15/16	96.75	26-15/16	106-15/16	20.00
2/8	22-15/16	96.75	28-15/16	106-15/16	21.49
3/0	26-15/16	96.75	32-15/16	106-15/16	24.46

Note: Clear Opening Width Based on Door Panel Open 90°

Add 1-1/2" to Width For Full Open Door

Add 1" To Height for Door with ADA Sill

Thickness of Exterior Sheeting May Affect Clear Opening Widths Beyond 90° (1 Wide and Jamb Hinged Multiples)

Brick Veneer Exterior May Affect Clear Opening Widths Beyond 90°

Out-Swing French Patio Doors

6/6 Height Out-Swing French Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
4/0	14-15/16	68	41 3/8	75-13/16	21.78
5/0	20-15/16	68	53 3/8	75-13/16	28.10
5/4	22-15/16	68	57 3/8	75-13/16	30.21
6/0	26-15/16	68	65 3/8	75-13/16	34.42

6/8 Height Out-Swing French Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
4/0	14-15/16	68.75	41 3/8	78-15/16	22.68
5/0	20-15/16	68.75	53 3/8	78-15/16	29.26
5/4	22-15/16	68.75	57 3/8	78-15/16	31.45
6/0	26-15/16	68.75	65 3/8	78-15/16	35.84

7/0 Height Out-Swing French Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
4/0	14-15/16	72.75	41 3/8	82-15/16	23.83
5/0	20-15/16	72.75	53 3/8	82-15/16	30.74
5/4	22-15/16	72.75	57 3/8	82-15/16	33.05
6/0	26-15/16	72.75	65 3/8	82-15/16	37.65

8/0 Height Out-Swing French Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
4/0	14-15/16	84.75	41 3/8	94-15/16	27.28
5/0	20-15/16	84.75	53 3/8	94-15/16	35.19
5/4	22-15/16	84.75	57 3/8	94-15/16	37.83
6/0	26-15/16	84.75	65 3/8	94-15/16	43.10

9/0 Height Out-Swing French Doors

Unit Size	Glass Size: Width	Glass Size: Height	Clear Opening: Width	Clear Opening Height	Square Ft. of Clear Opening
4/0	14-15/16	96.75	41 3/8	106-15/16	30.73
5/0	20-15/16	96.75	53 3/8	106-15/16	39.64
5/4	22-15/16	96.75	57 3/8	106-15/16	42.61
6/0	26-15/16	96.75	65 3/8	106-15/16	48.55

Note: Clear Opening Width Based on Door Panel Open 90°

Add 5-3/8" to Width For Full Open Door

Add 1" To Height for Door with ADA Sill

Thickness of Exterior Sheathing May Affect Clear Opening Widths Beyond 90° (1 Wide and Jamb Hinged Multiples)

Brick Veneer Exterior May Affect Clear Opening Widths Beyond 90°





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