



QUANTUM

WINDOWS & DOORS, INC.

Architectural Specifications



Glencoe, IL
Marvin Herman & Associates
HNK Architectural Photography



Manhattan Beach, CA
KAA Design Group
Manolo Langis Photography



Austin, TX
Alterstudio Architecture
Whit Preston Photography

For more information contact 1-800-287-6650

2720 34th Street Everett, WA 98201 | www.quantumwindows.com | qsales@quantumwindows.com

Welcome to Quantum

Thank you for considering Quantum Windows & Doors for your next project.

Founded in 1982, we take tremendous pride in our work and strive to build the most beautiful window and door systems available today. Quantum's products cover a comprehensive range of solutions for higher end residential and commercial applications. We accommodate multiple architectural styles from historical restoration to ground breaking contemporary designs.

At the core of all we do is a passion for wood. The nature of wood speaks to warmth, durability and an abiding sense of security. We use clear vertical grain douglas fir for the majority of our products but regularly work with mahogany, sapele and teak. We often employ split species for additional design differentiation. We also accommodate salvaged, recycled and FSC certified woods. Beyond wood, we have introduced an extensive range of aluminum cladding options.

We never compromise when it comes to our manufacturing processes. By blending contemporary production techniques with old world craftsmanship, we deliver complex systems within lead times more consistent with higher volume producers. Our in house glazing and finishing operations provide unparalleled control over product quality. To that end Quantum's warranties are some of the most competitive in the window and door industry.

Complementing our products is a commitment to providing exceptional customer service at all levels of the process. The service experience begins with the initial design consultation, continues with internal project management and carries through to the delivery of finished product to the job site. We also offer extensive after sales programs that ensure continued customer satisfaction and repeat business.

Thank you again for considering Quantum Windows & Doors and we look forward to working with you.

Sincerely,

The Quantum Management Team

P: 1-800-287-6650

F: 1-888-834-0336

qsales@quantumwindows.com



Big Sur, CA
Fougeron Architecture
Joe Fletcher Photography



San Anselmo, CA
Shands Studio
Paul Dyer Photography



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Wood Species

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New Literature



Quantum has been designing and building custom windows and doors for over 30 years, developing a reputation for meticulous craftsmanship, exceptional performance and an unequaled level of commitment to clients. Quantum currently builds four lines of windows depending on client preferences, needs and applications. Within each series is an almost unlimited design flexibility when it comes to profiles, stops and glazing.

Quantum Windows

Signature Series Windows



Hermosa Beach, CA
Starr Design Group
Tom Sanders Photography

Signature Series offers contemporary styling, narrow sight lines and the ability to satisfy a wide range of applications and architectural styles. Utilizing mortise and tenon construction and push out hardware, the **Signature Series** is extremely adaptable and elegant in any style of construction.

Classic Series Windows



Olive Township, MI
Lucid Architecture
Eric De Witt, Photo

Classic Series offers an exceptionally clean, seamless line that satisfies all of the design requirements of modern building. Stile and rail construction allows Quantum to build larger units, offer multiple hinge and latching hardware and support large glass panels with a 2-1/4" common mullion for curtain wall or storefront applications.

In applications where a clad product may be more desirable, we have added **Quantum Clad** to our list of **Classic Series** window options. Ask your Quantum Representative about the available styles, colors and pricing.

Legacy Series Windows



Portland, OR
Carleton Hart Architecture
Sally Painter Photography

Legacy Series represents a perfect blend of old world charm and new technology. Single, Double and Triple Hung windows are solid wood - no plastic jamb liners or tracks are utilized. Quantum offers spring loaded (concealed) or lead weight and chain balancers, allowing for extremely large units while maintaining easy operation.

Euro Series Windows



Sacramento, CA
PHA Architects

Euro Series provides the same multi point (Tilt/Turn) hardware found throughout much of Europe. Our design allows us to build large units that have the ability to swing in from the top (hopper) and swing in from the side (casement), in addition to center pivoting windows that swing in from the top and out from the bottom 180 degrees.

Signature Series Windows

Quantum's **Signature Series** offers casement, fixed, awning and special shaped windows with contemporary styling, narrow sight lines and large expanses of glass.

The sleek framework nearly disappears as the contemporary look of the **Signature Series** puts the emphasis clearly on the glass. A more traditional appearance can be achieved through the addition of heavier sills, fixed sashes and true divided lites.

Signature Series windows offer tremendous design flexibility along with the natural beauty and warmth of the finest wood species available. Clear Vertical Grain (CVG) Douglas fir is standard and yields a rich appearance that begs to be touched. Many other woods are available to complement the design and detail of the project, including dual species.

Styles

- Angles & Shapes
- Awnings
- Picture Frames
- Casements
- Rounds & Arches
- Bay & Bow

Options

- Interior & Exterior Trim
- Fixed Sash & Mullions
- Jamb Liners & Screens
- Ovolo, Ogee & Beveled Detailing
- True Divided Lites
- Motorization



Redmond, WA
FINNE Architects
Nils Finne, Photo



Austin, TX
Miro Rivera Architects
Paul Bardagjy Photography



Manhattan Beach, CA
KAA Design Group
Manolo Langis Photography



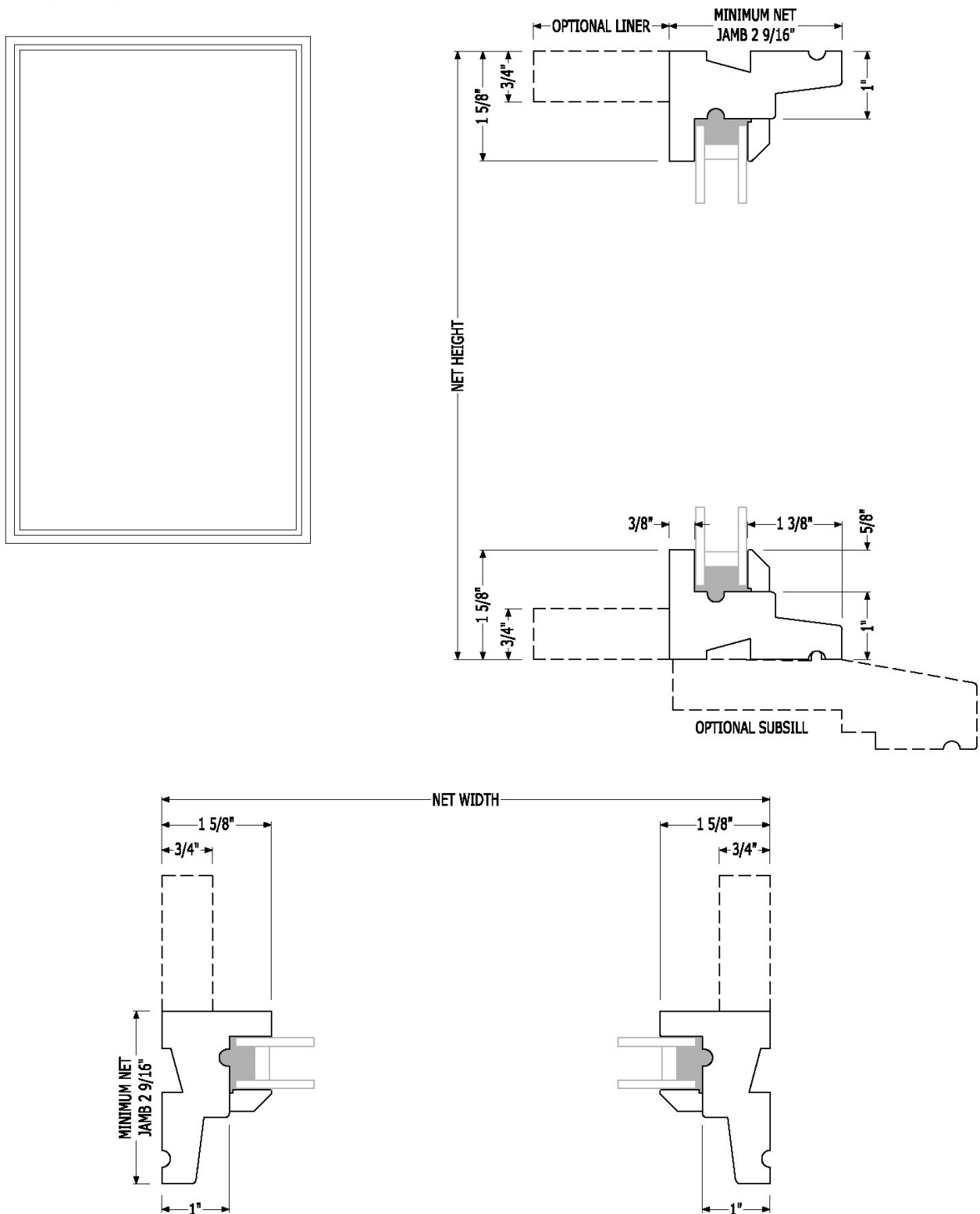
Early Branch, SC
Robert M. Cain Architect

For more information please contact your Quantum Representative



Signature Series Windows

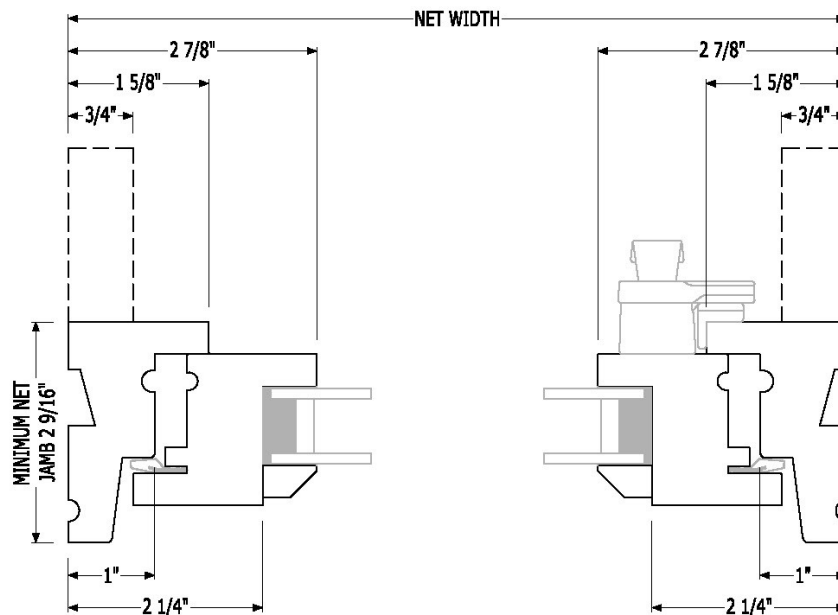
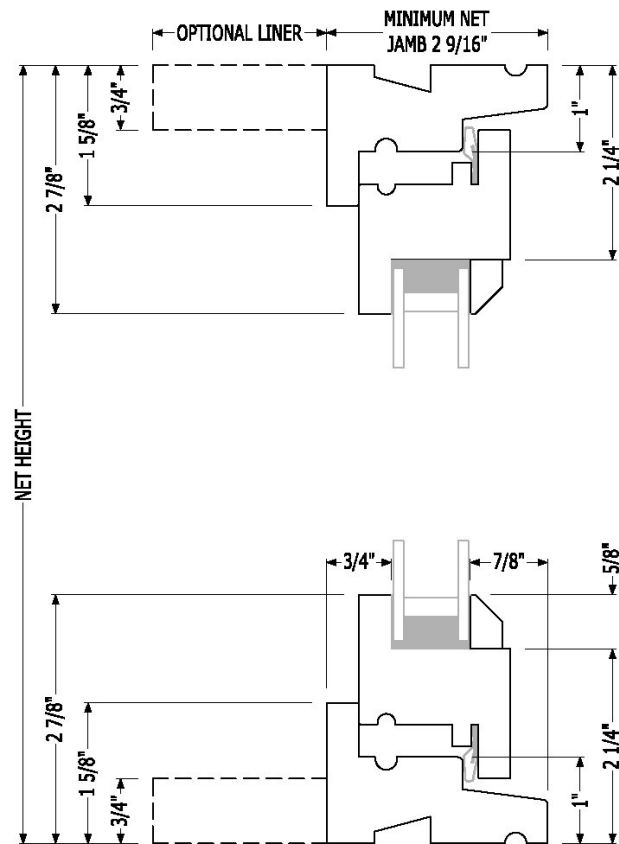
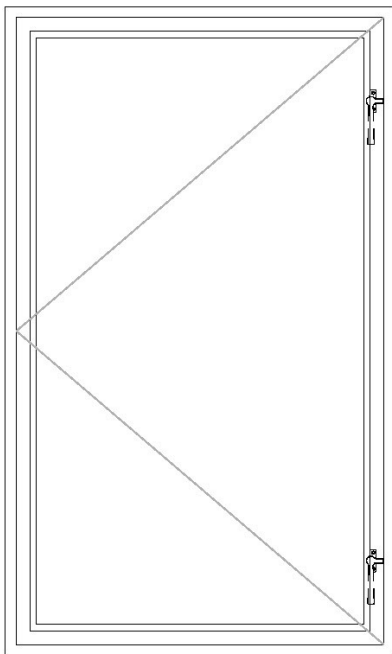
Fixed (Direct Set)



For more information please contact your Quantum Representative

Signature Series Windows

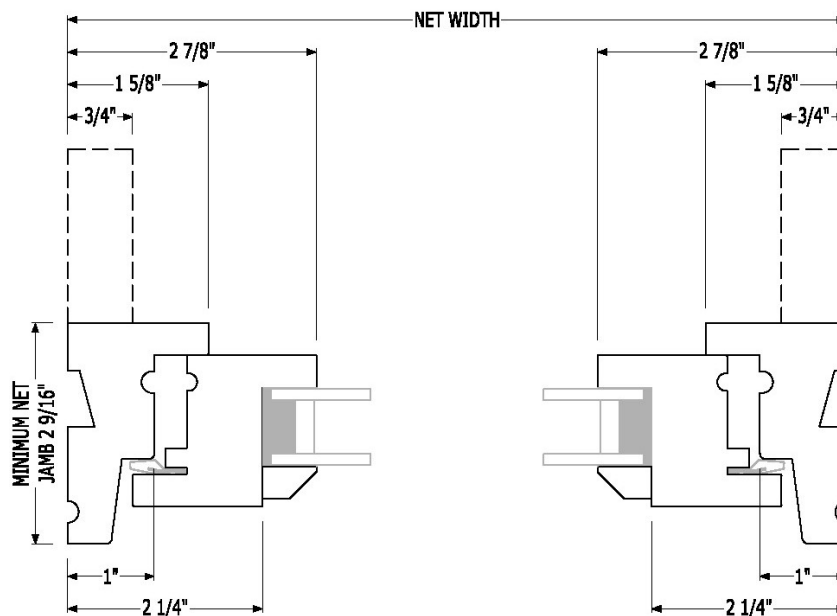
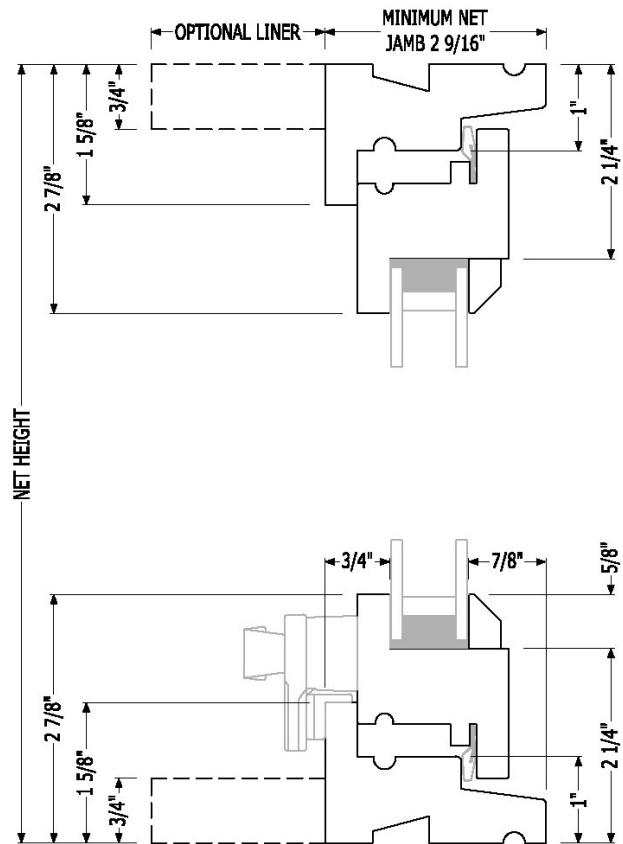
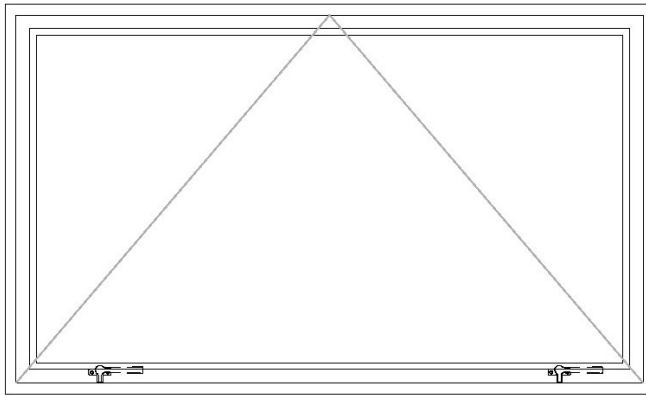
Casement



For more information please contact your Quantum Representative

Signature Series Windows

Awning

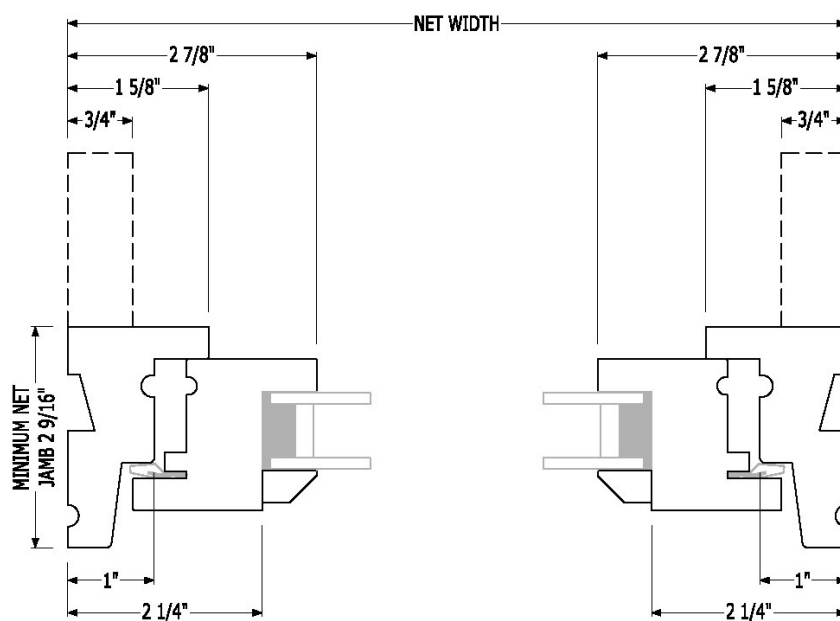
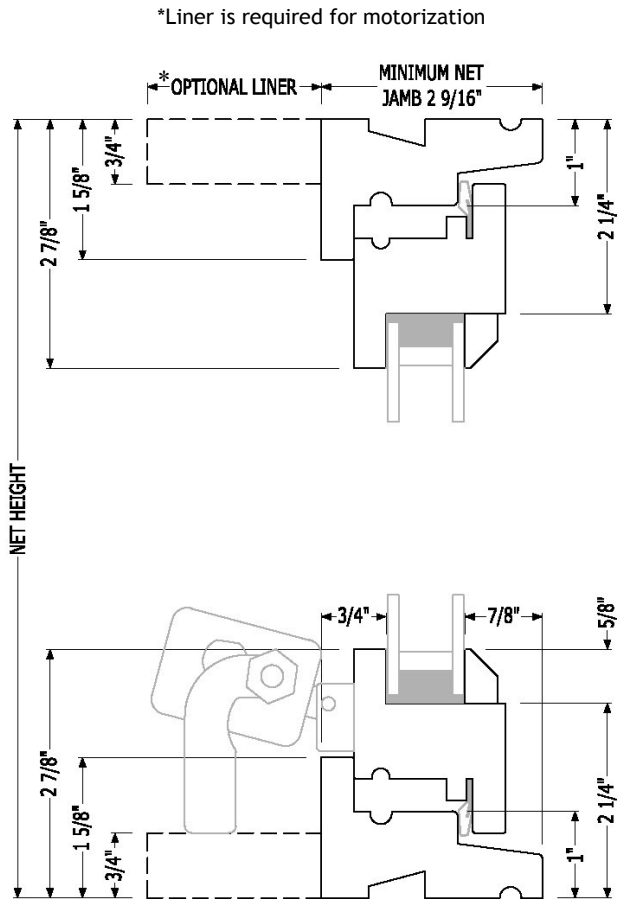
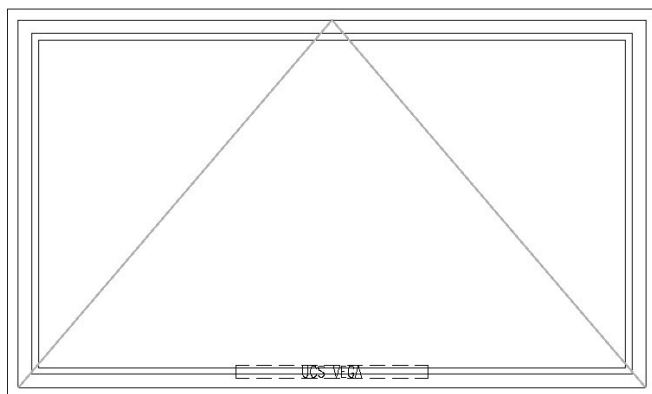


For more information please contact your Quantum Representative

SS-3

Signature Series Windows

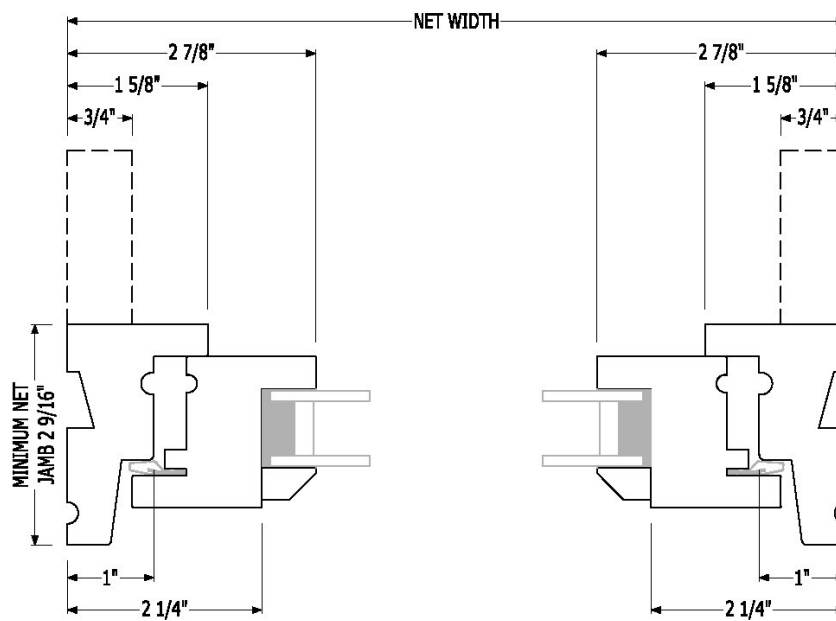
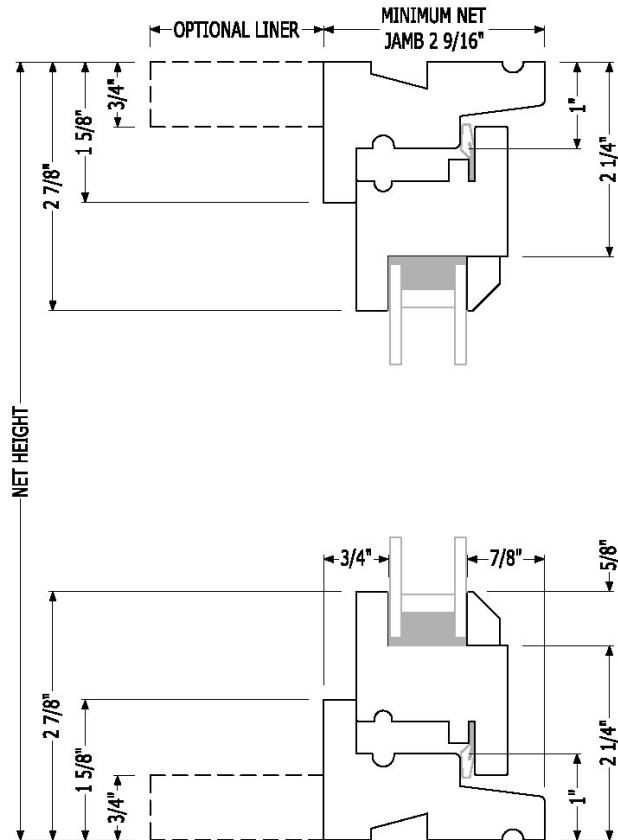
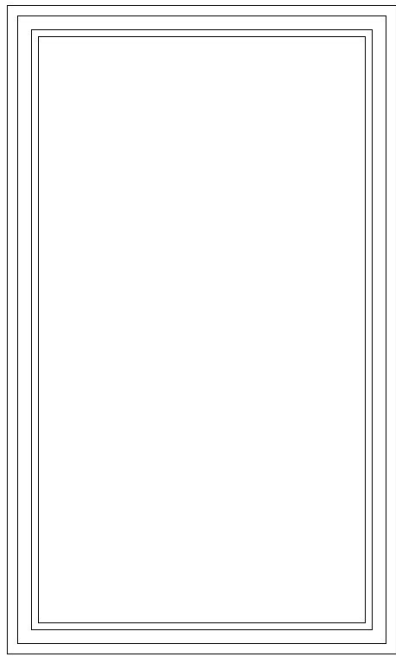
Motorized Awning



For more information please contact your Quantum Representative

Signature Series Windows

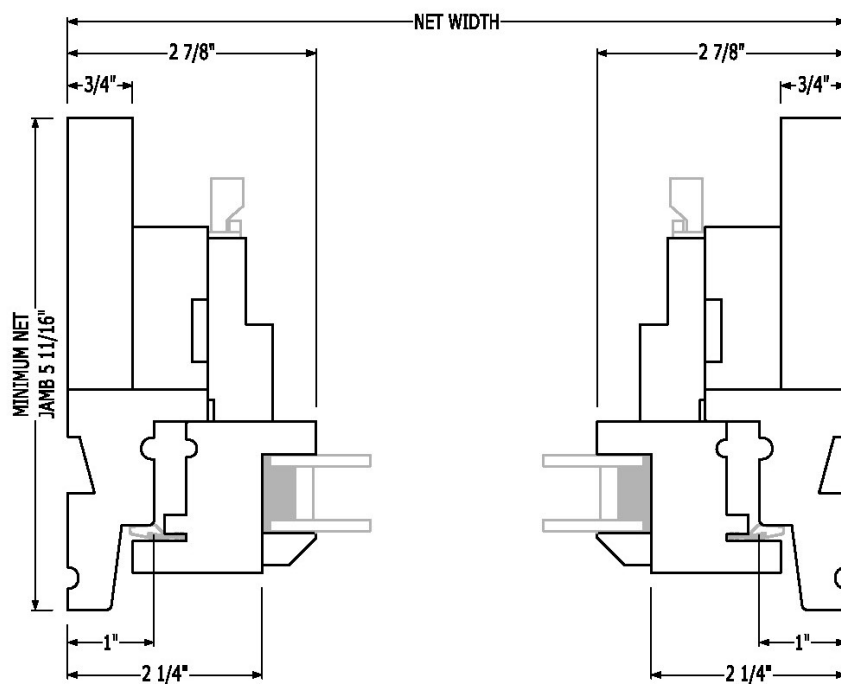
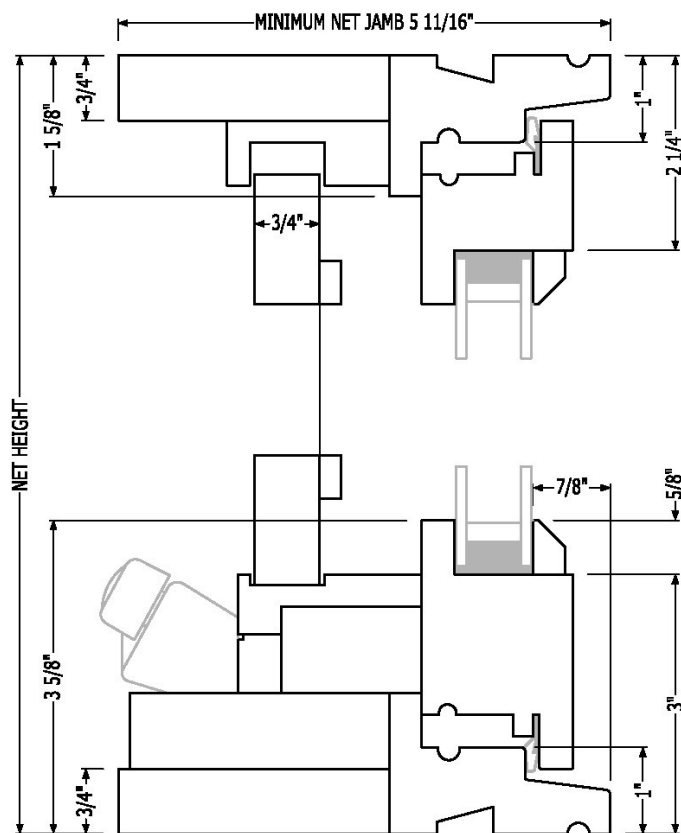
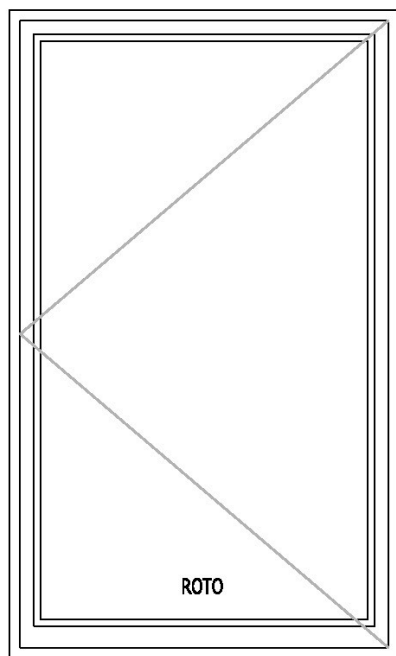
Fixed Sash



For more information please contact your Quantum Representative

Signature Series Windows

Roto Operated Sash

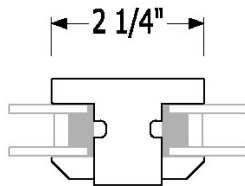


For more information please contact your Quantum Representative

Signature Series Windows

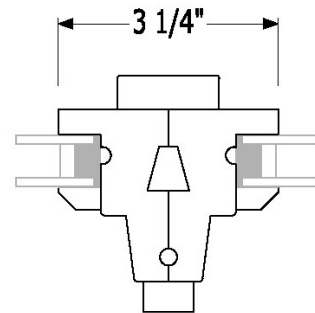
Mulling Options

Horizontal T-Bar

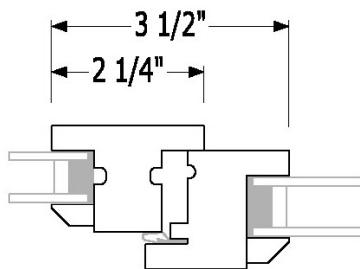


DIRECT GLAZE / DIRECT GLAZE

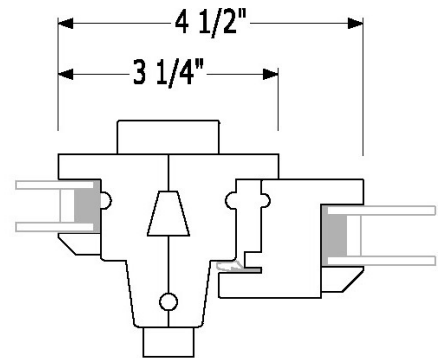
Horizontal Back To Back



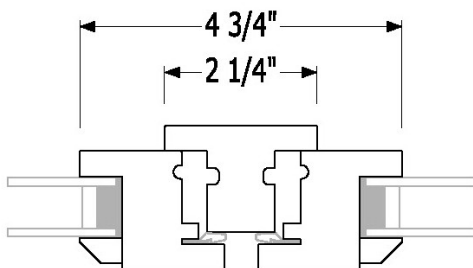
DIRECT GLAZE / DIRECT GLAZE



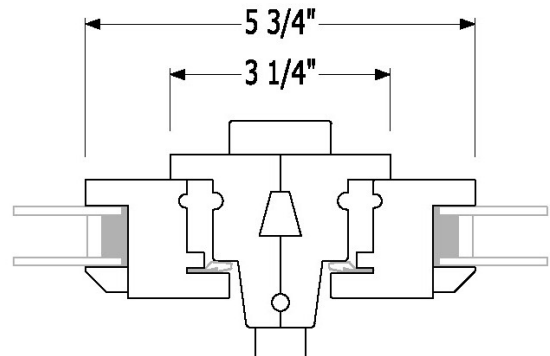
DIRECT GLAZE / SASH



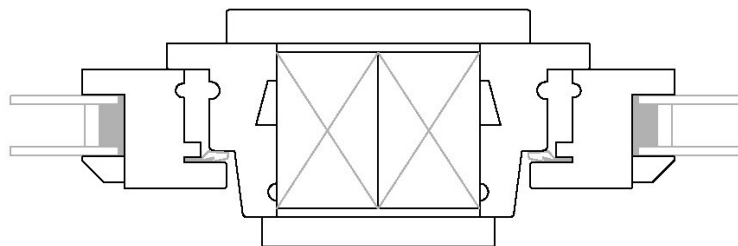
DIRECT GLAZE / SASH



SASH / SASH



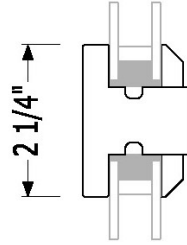
Filler or Space Mullion Option



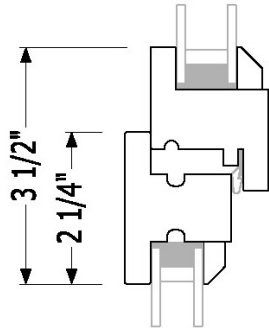
For more information please contact your Quantum Representative

Signature Series Windows

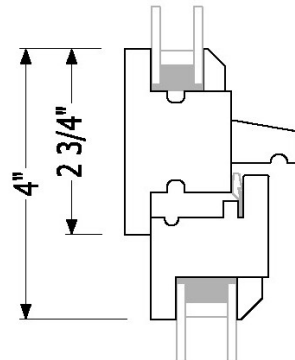
Vertical T-Bar



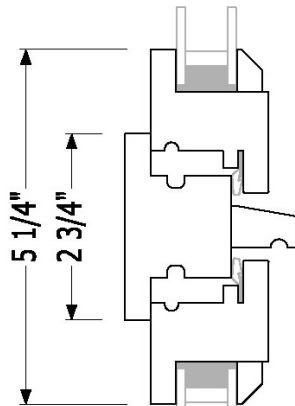
DIRECT GLAZE / DIRECT GLAZE



DIRECT GLAZE / SASH (SASH ABOVE)

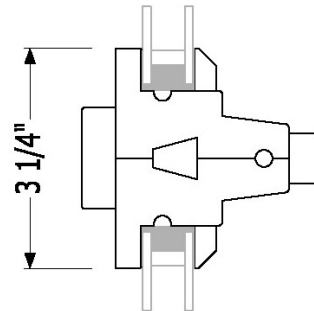


DIRECT GLAZE / SASH (SASH BELOW)

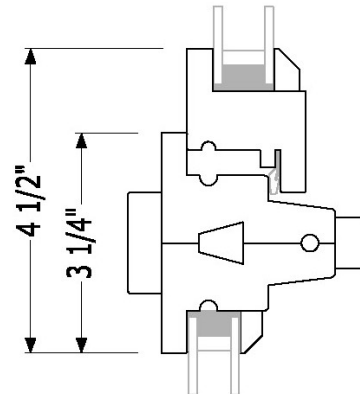


SASH / SASH

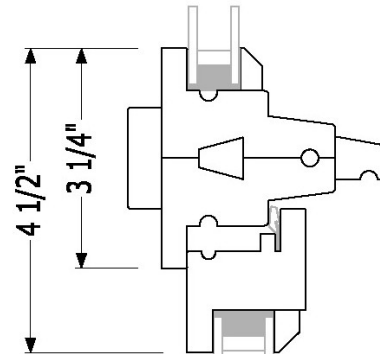
Vertical Back To Back



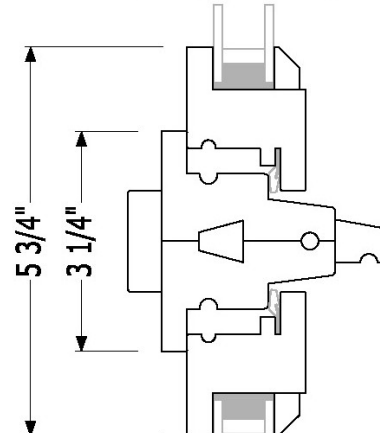
DIRECT GLAZE / DIRECT GLAZE



DIRECT GLAZE / SASH (SASH ABOVE)



DIRECT GLAZE / SASH (SASH BELOW)



SASH / SASH

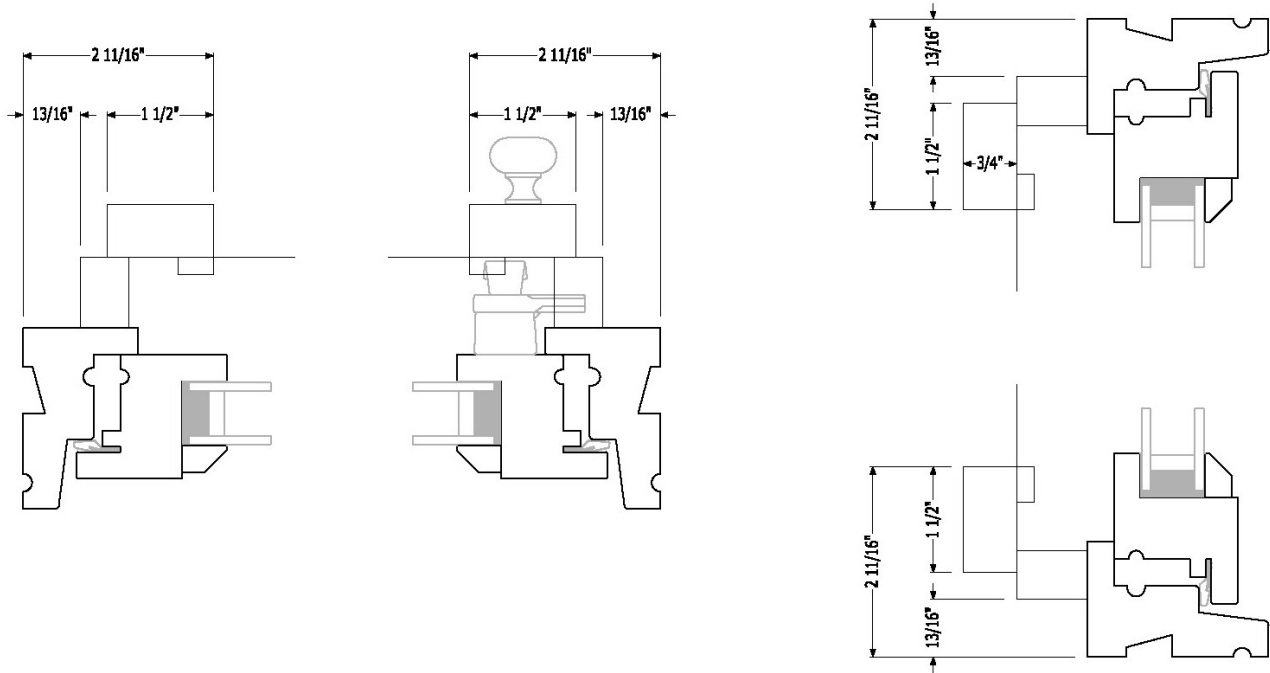
Note
Drip cap required
whenever sash is
below mullion

SS-8

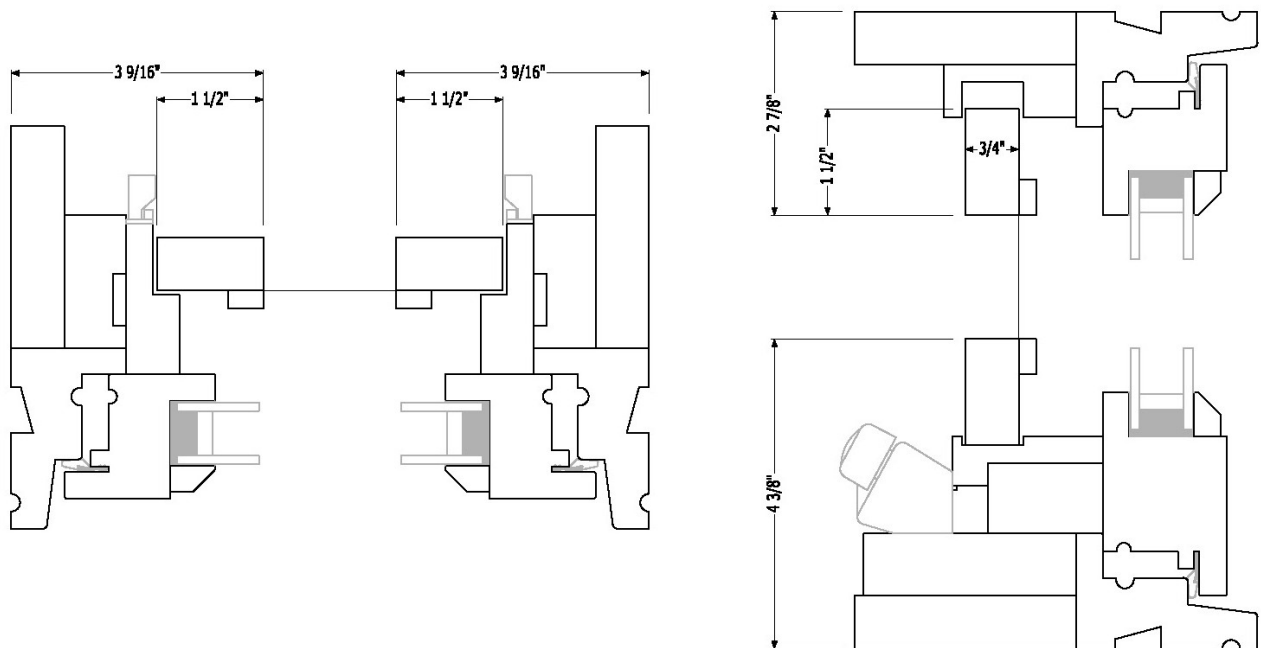
Signature Series Windows

Screens

Swing Screen



Stationary Screen (Removable)

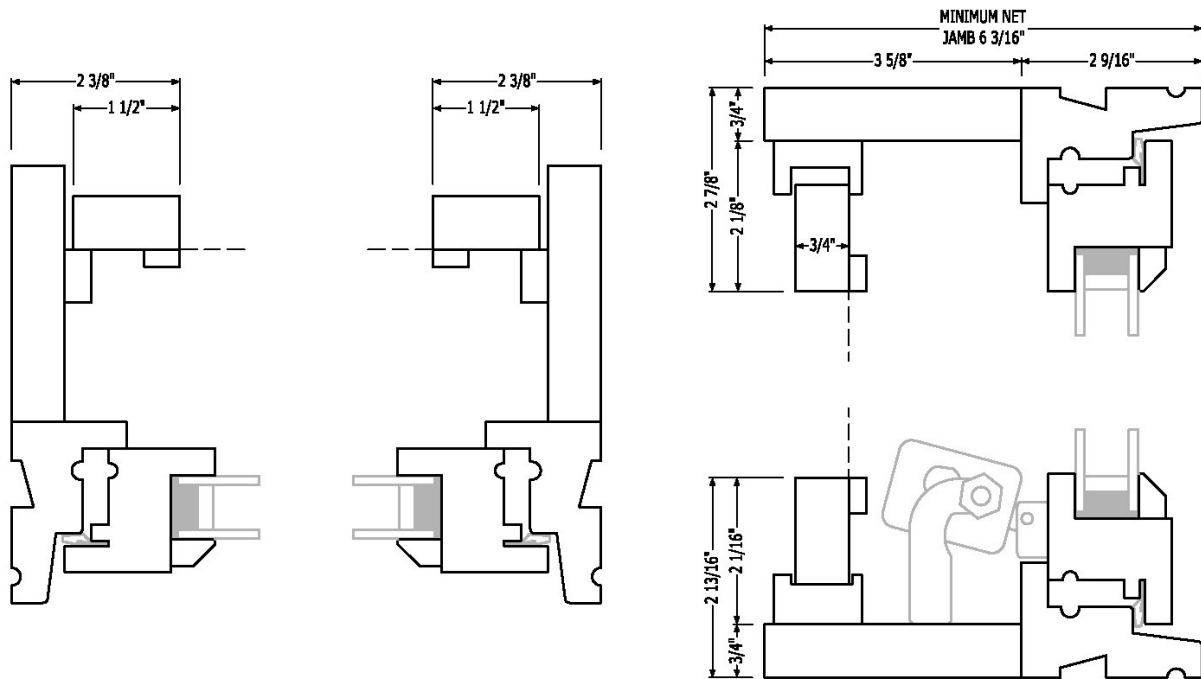


For more information please contact your Quantum Representative

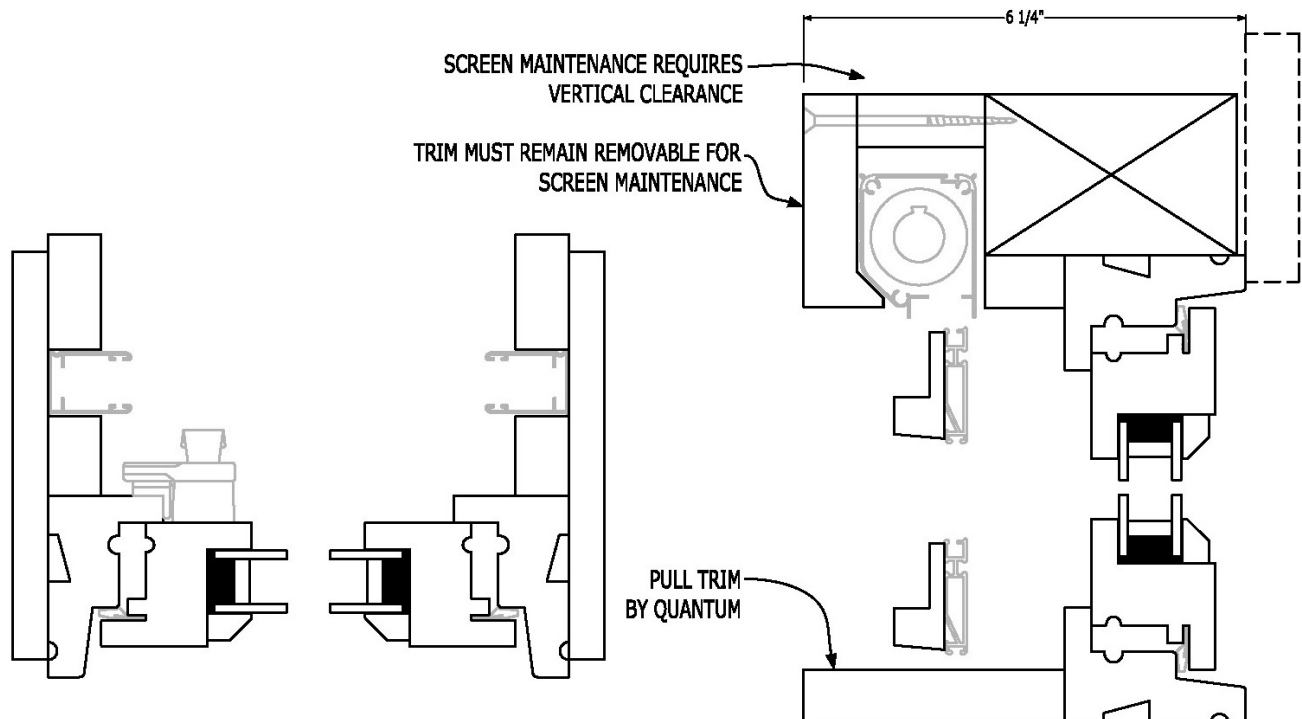
Signature Series Windows

Screens

Motorized With Screen



Genius Screen

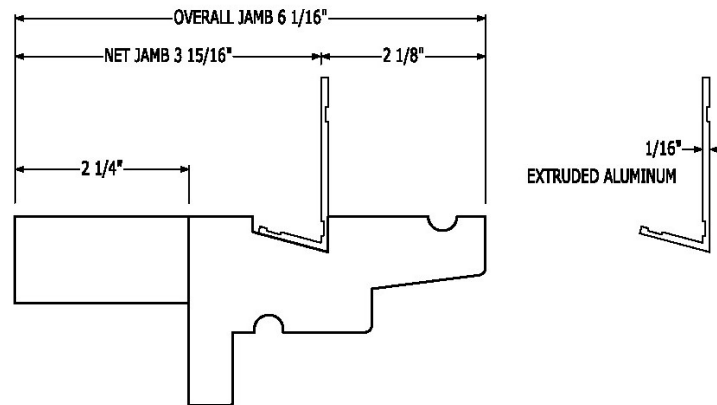


SS-10

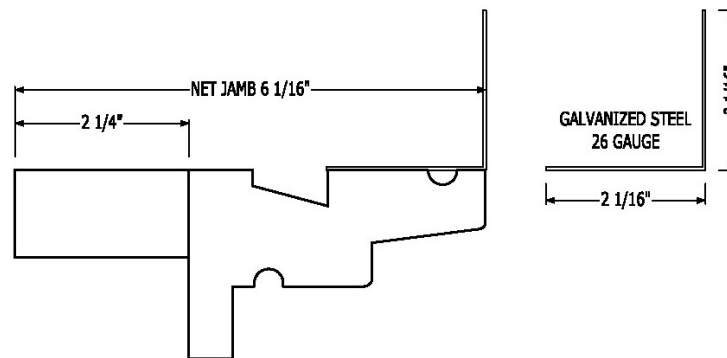
Signature Series Windows

Nailing Flange Options

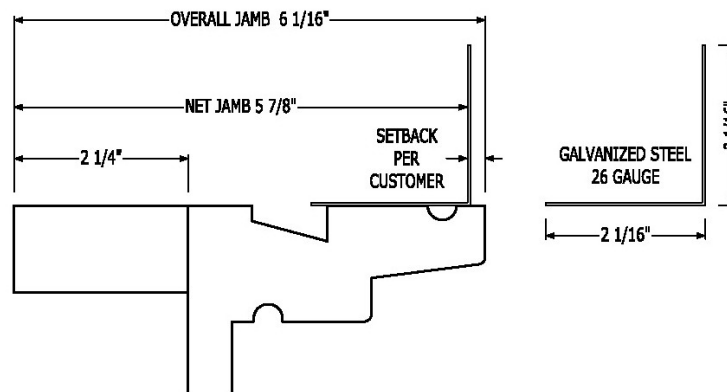
Standard Dado Attachment



Surface Applied Flush



Surface Applied with Setback



For more information please contact your Quantum Representative

Classic Series Windows

Classic Series windows provide the utmost flexibility in aesthetics, design and functionality. For use in contemporary architectural styles, the **Classic Series** is sleek in appearance. A common mullion system can be built to specified depths and utilized to create window wall systems that include both operable and fixed components. This creates the most narrow and clean appearance possible negating the need for any trim or mullion caps.

A stainless steel four bar hinge is used standard. We also provide a butt-hinge option to satisfy egress requirements which can also be specified for units exceeding typical casement heights or if there is a desire to match hinges on adjacent doors.

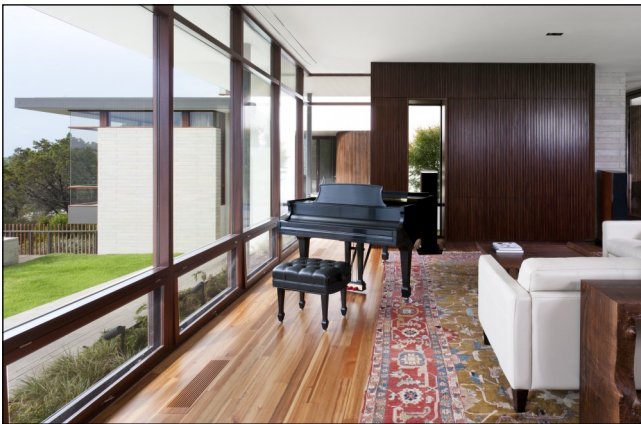
For ultimate security, the **Classic Series** window can be equipped with a true European multipoint latching system that latches the window along multiple locations around the perimeter of the sash with the use of a single window lever.

Classic Series windows can be built as casements, awnings, rounds, arches, and window walls with a full array of options to complement your design palette.

In applications where a clad product may be more desirable, we have added **Quantum Clad** to our list of **Classic Series** window options. Ask your Quantum Representative about the available styles, colors and pricing.



Olive Township, MI
Lucid Architecture
Eric De Witt, Photo



Austin, TX
Alterstudio Architecture
Whit Preston Photography



Portland, OR
Reveal Architecture + Interiors
Laurie Black Photography

Styles

- Angles & Shapes
- Awnings & Casements
- Picture Frames
- Rounds & Arches

Options

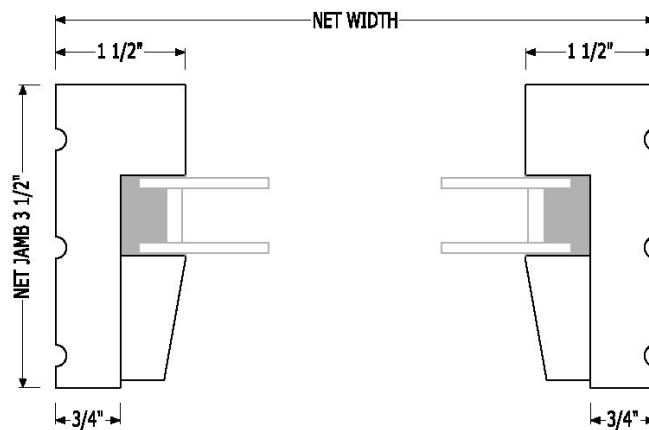
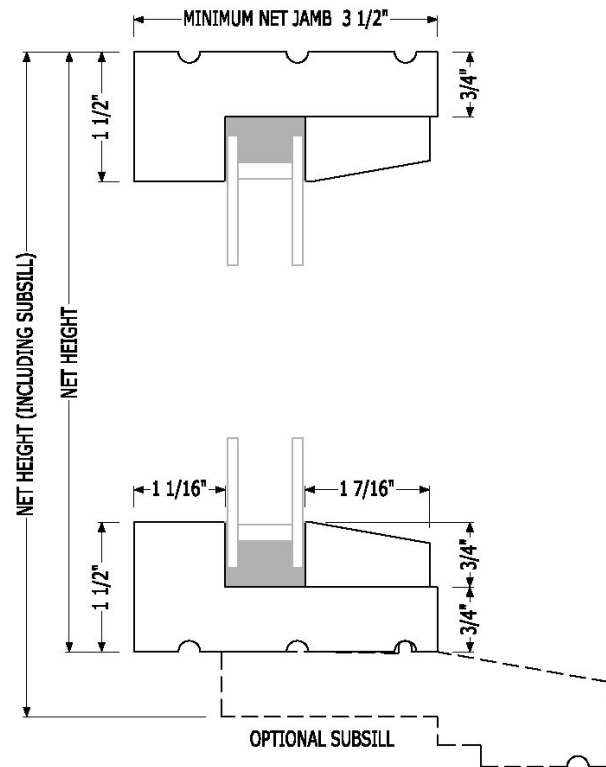
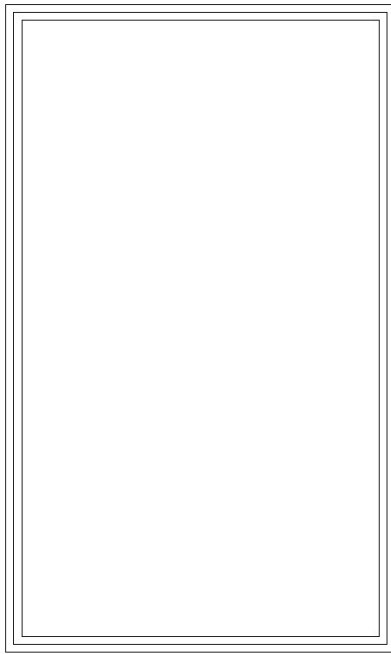
- Interior & Exterior Trim
- Fixed Sash & Mullions
- Jamb Liners & Screens
- True Divided Lites
- Motorization
- Double Rabbet Jamb

For more information please contact your Quantum Representative



Classic Series Windows

Fixed (Direct Set)

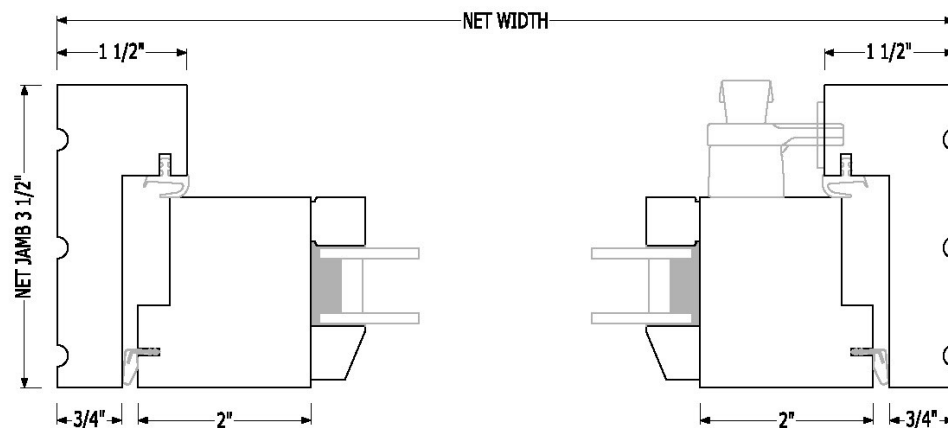
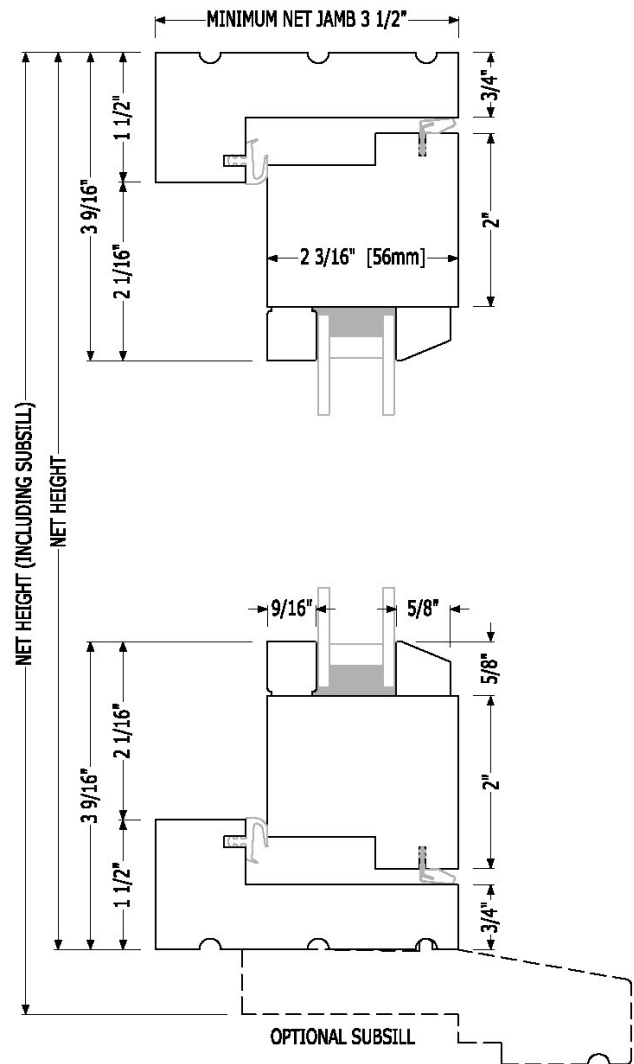
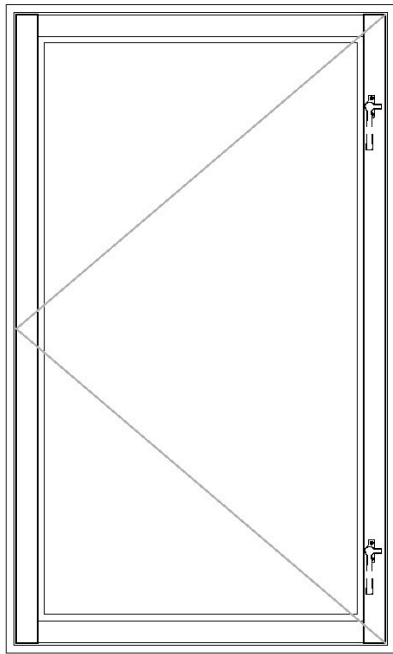


For more information please contact your Quantum Representative

Classic Series Windows

Push Out Sash

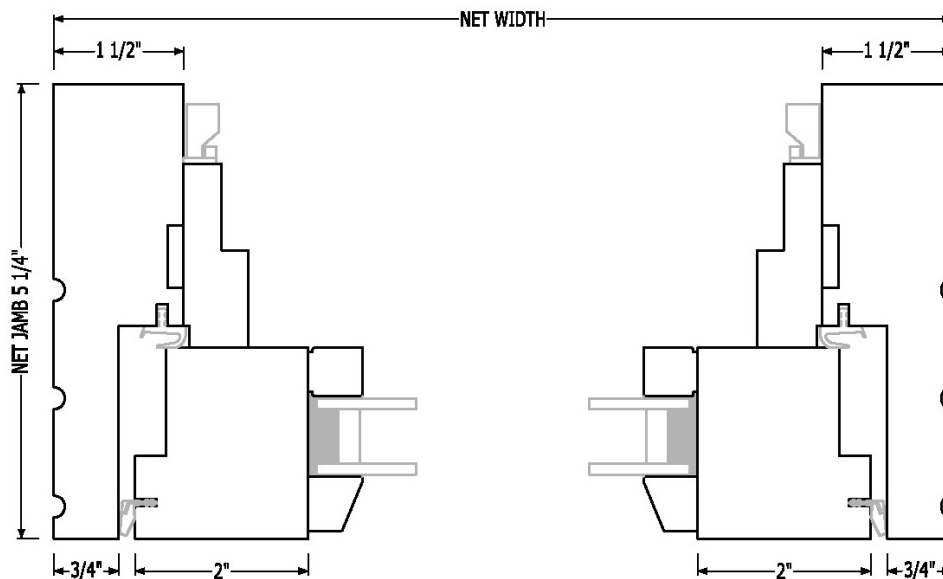
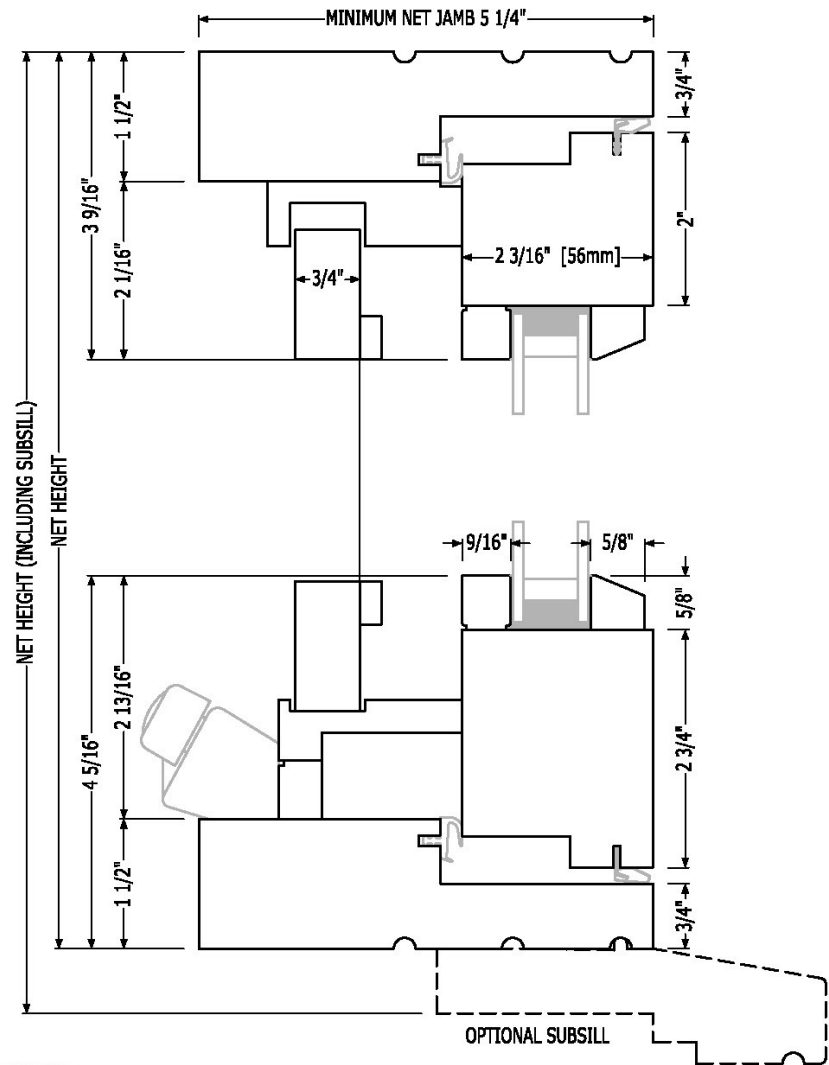
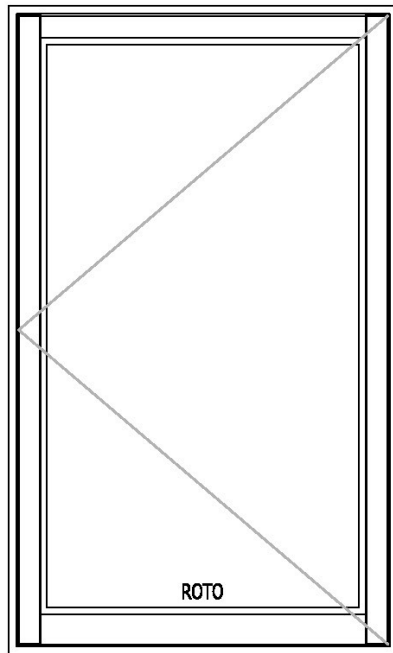
See Screens section for minimum jamb with screens



For more information please contact your Quantum Representative

Classic Series Windows

Roto Operated Sash



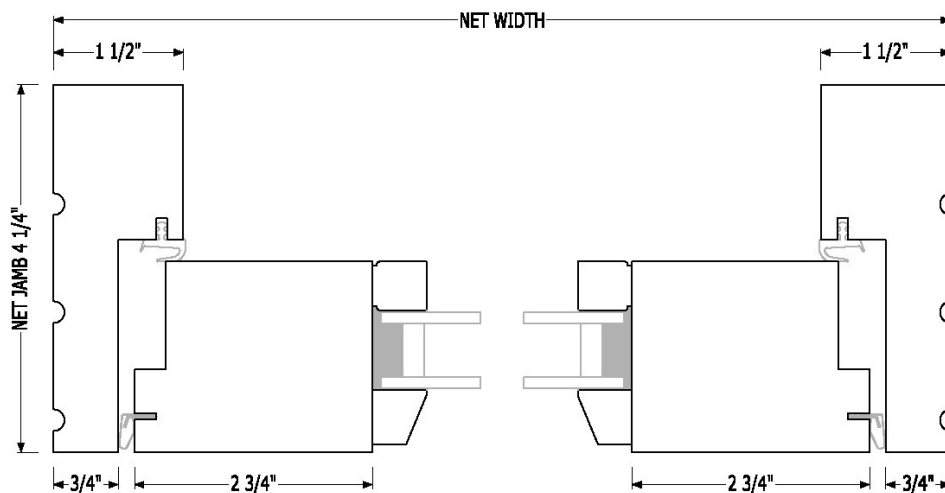
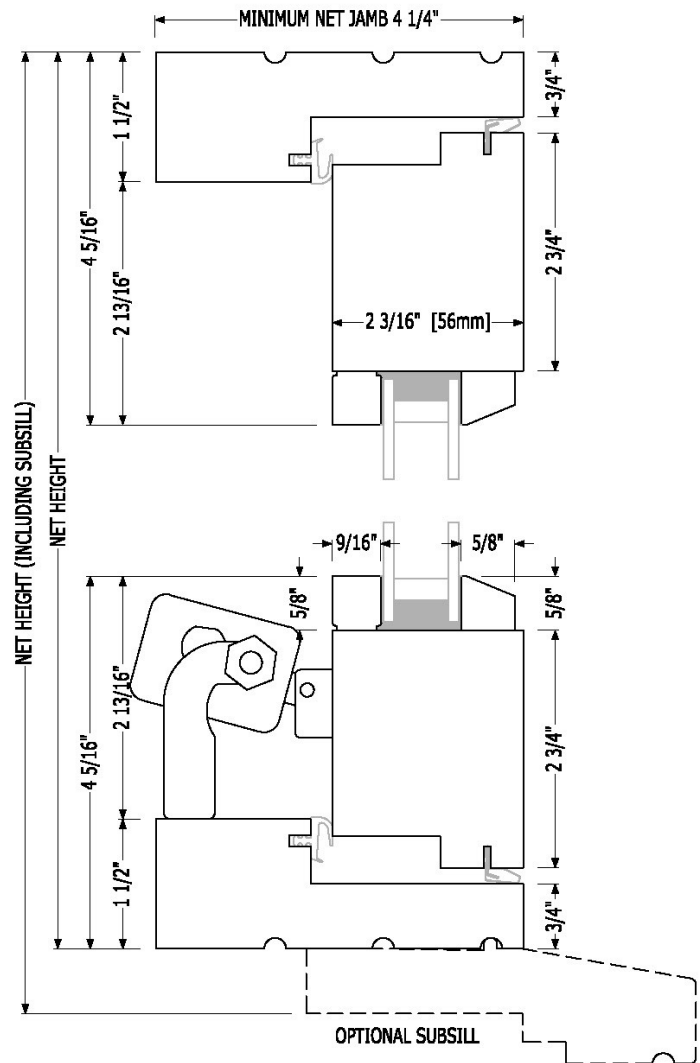
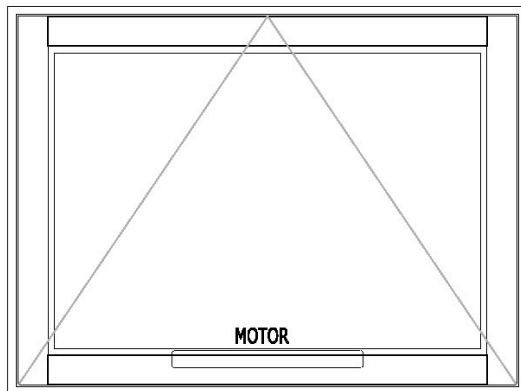
For more information please contact your Quantum Representative

CS-3

Classic Series Windows

Motorized Sash

See Screens section for minimum jamb with screens

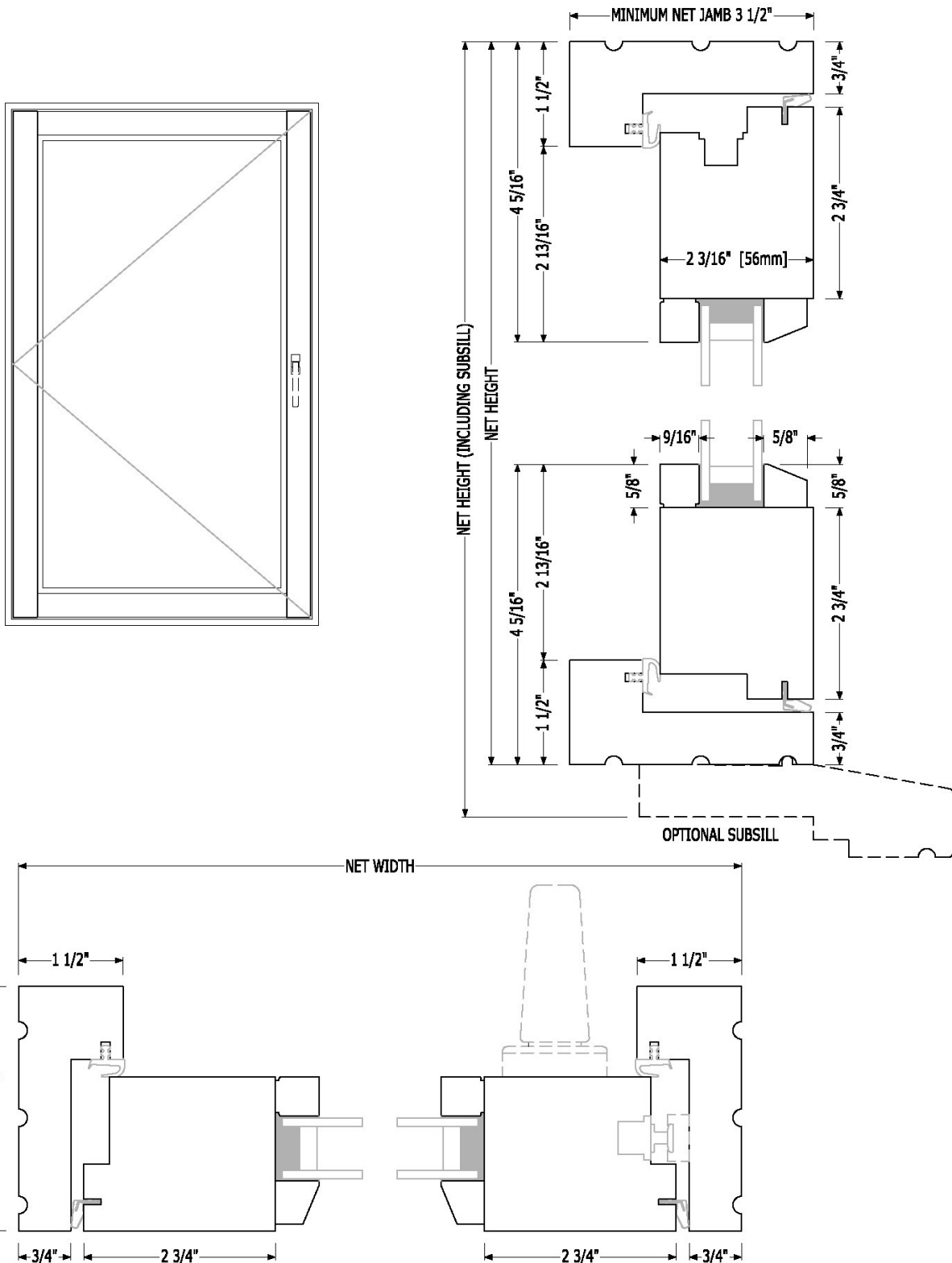


For more information please contact your Quantum Representative

Classic Series Windows

Multi Point Sash

See Screens section for minimum jamb with screens



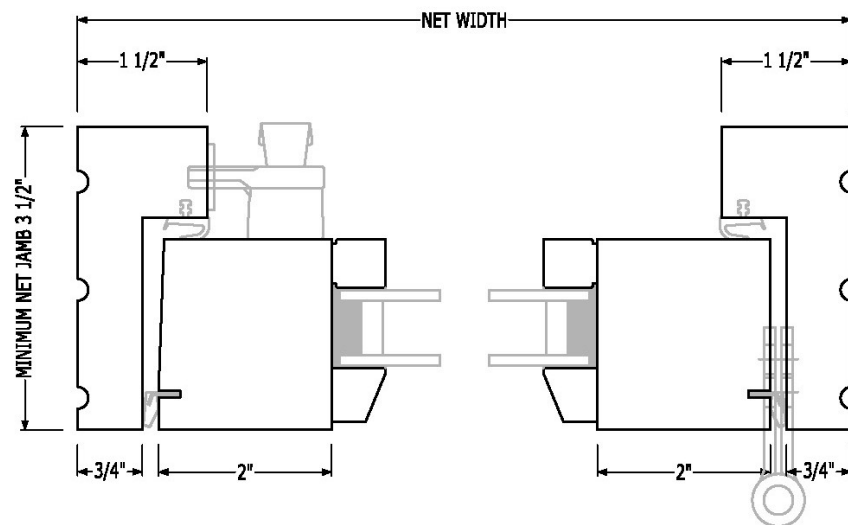
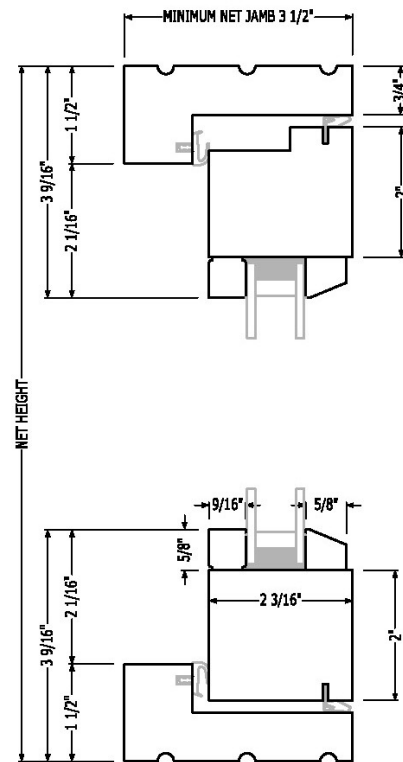
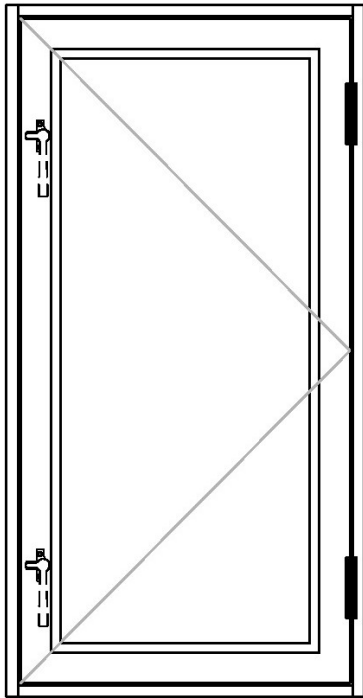
For more information please contact your Quantum Representative

CS-5

Classic Series Windows

Butt Hinge Sash

See Screens section for minimum jamb with screens



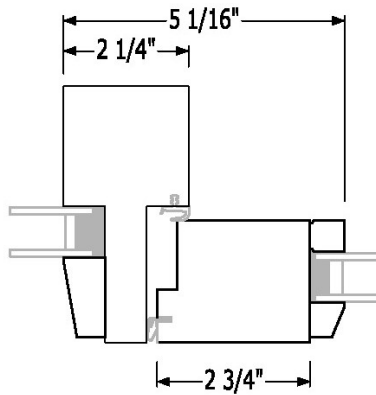
For more information please contact your Quantum Representative

Classic Series Windows

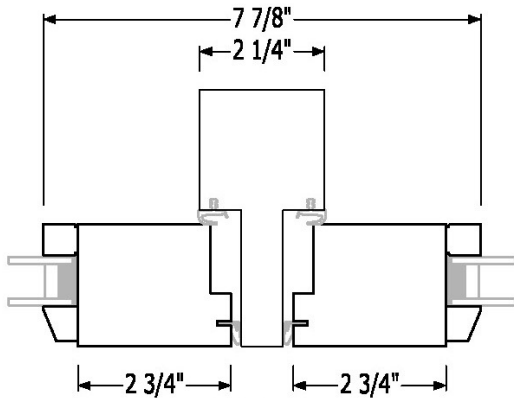
Mulling Options with 2 3/4" Sash

Depth of mullion may vary depending on length and structural load

T-Bar

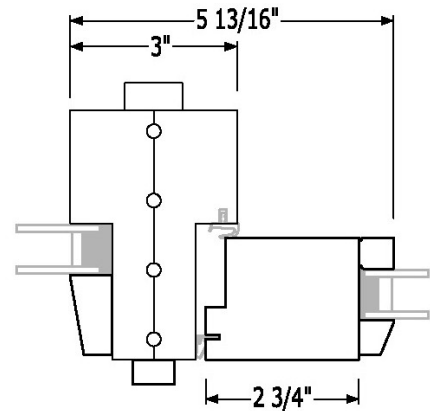


DIRECT GLAZE / SASH

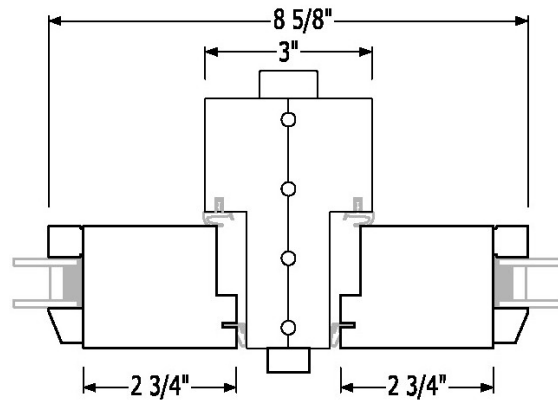


SASH / SASH

Back To Back

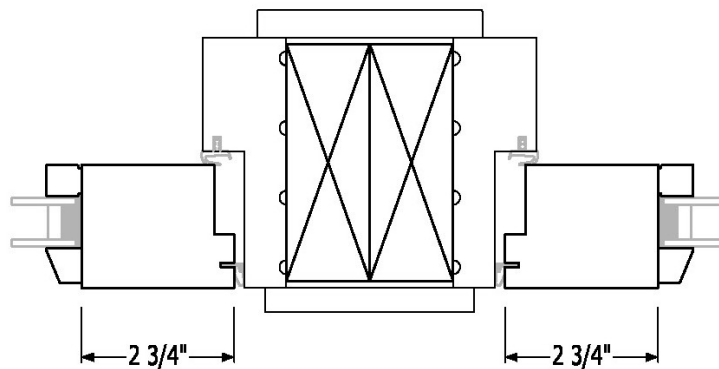


DIRECT GLAZE / SASH



SASH / SASH

Filler or Space Mullion Option



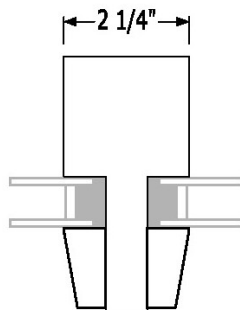
For more information please contact your Quantum Representative

Classic Series Windows

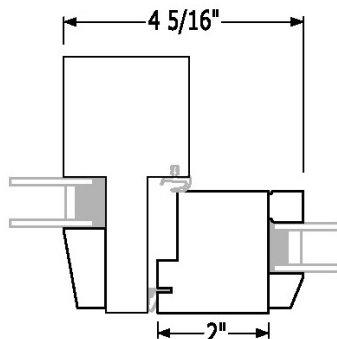
Mulling Options with Standard 2" Sash

Depth of mullion may vary depending on length and structural load

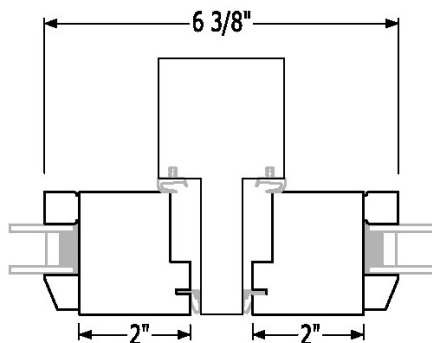
T-Bar



DIRECT GLAZE / DIRECT GLAZE

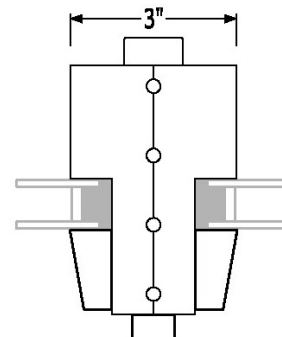


DIRECT GLAZE / SASH

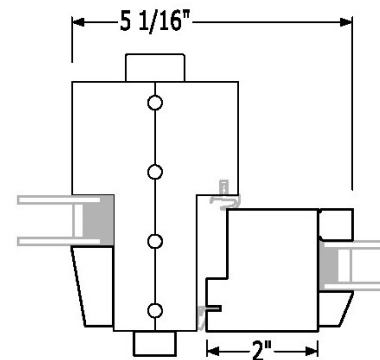


SASH / SASH

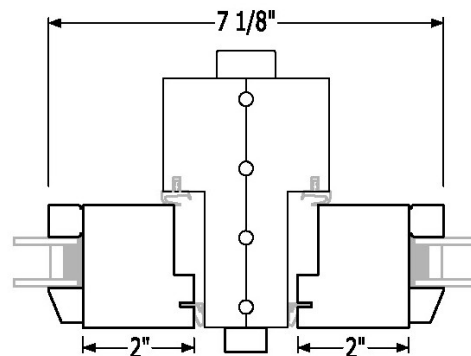
Back To Back



DIRECT GLAZE / DIRECT GLAZE

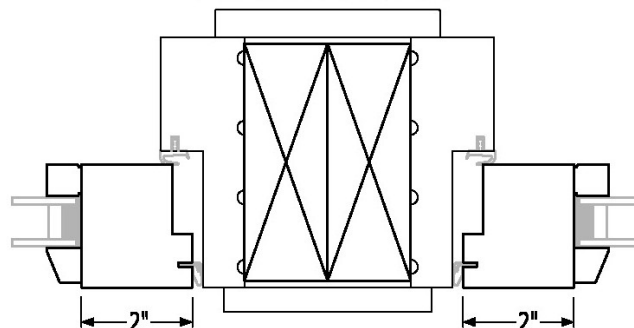


DIRECT GLAZE / SASH



SASH / SASH

Filler or Space Mullion Option

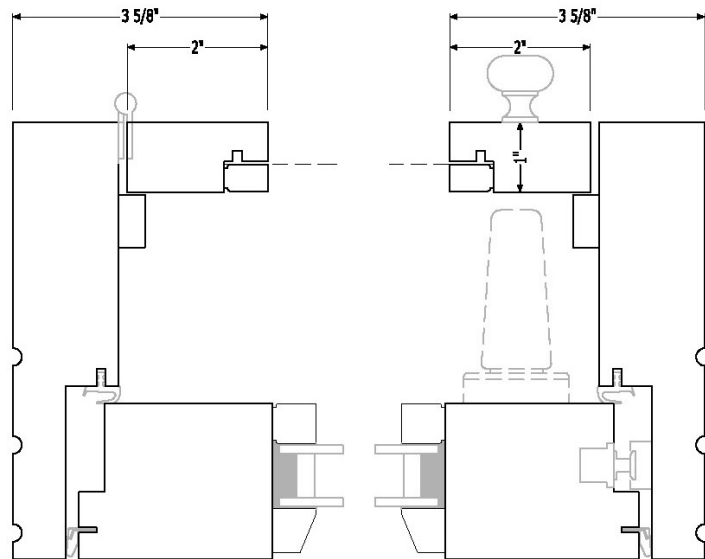
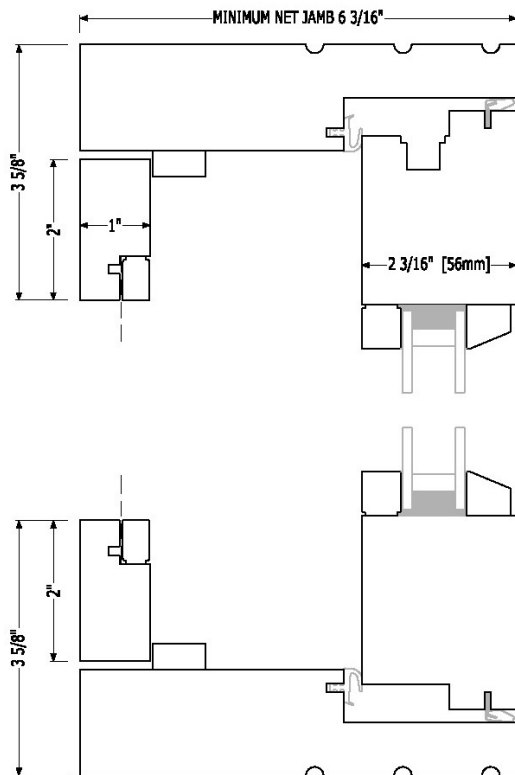


CS-8

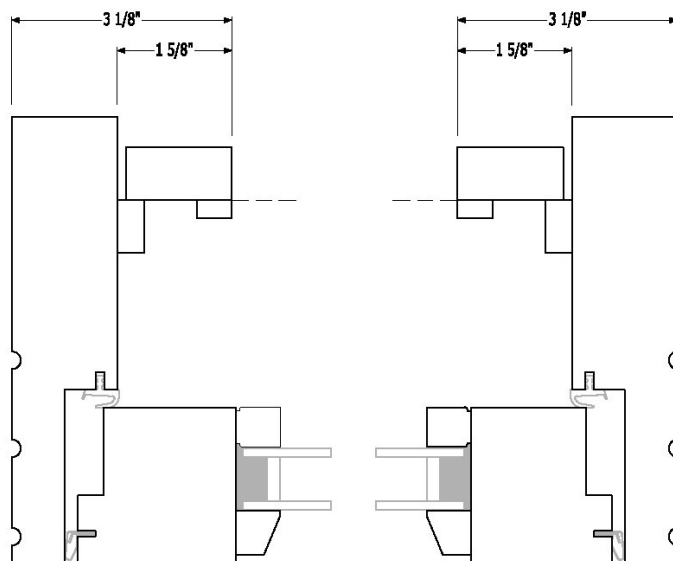
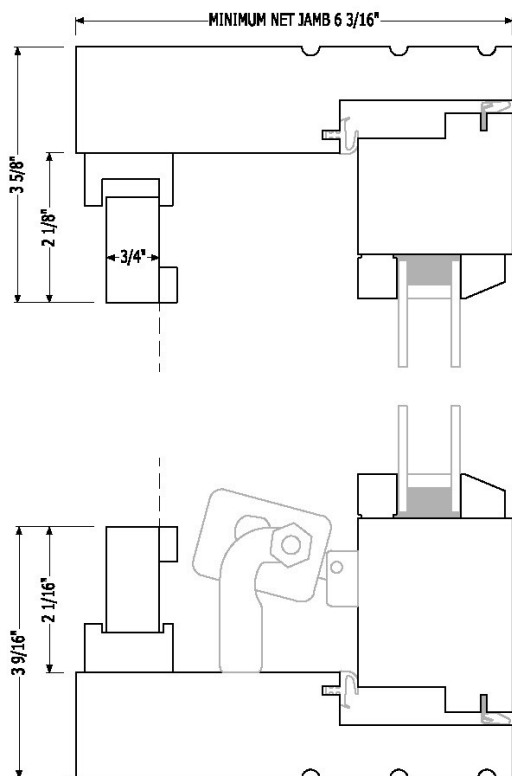
Classic Series Windows

Multi Point with Screen

Screens



Motorized with Screen

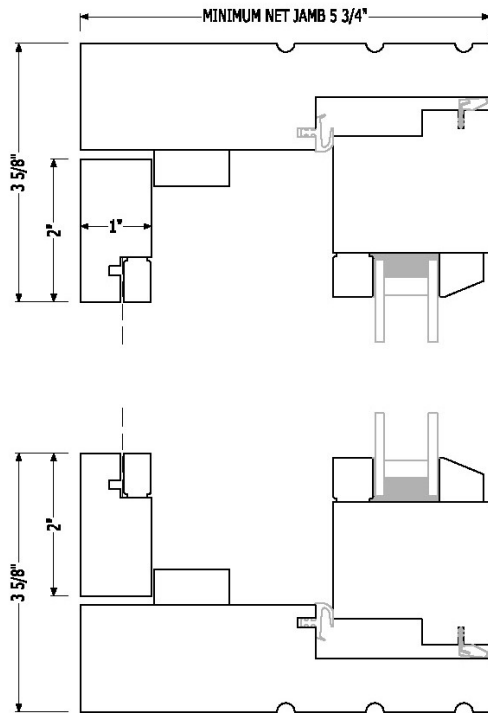


For more information please contact your Quantum Representative

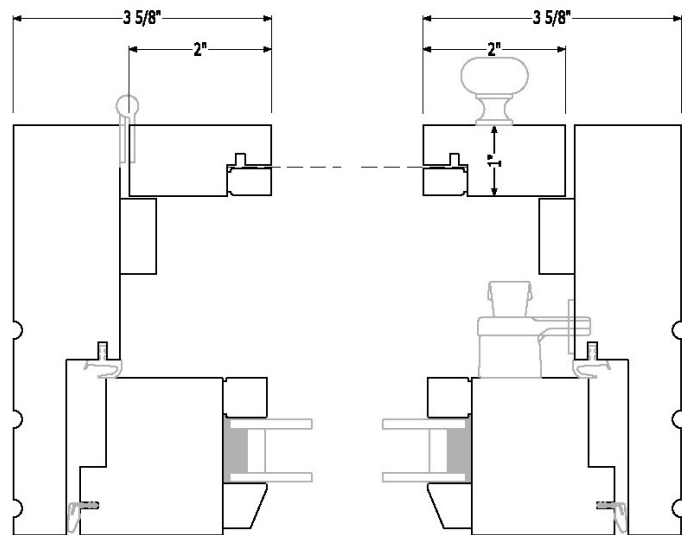


Classic Series Windows

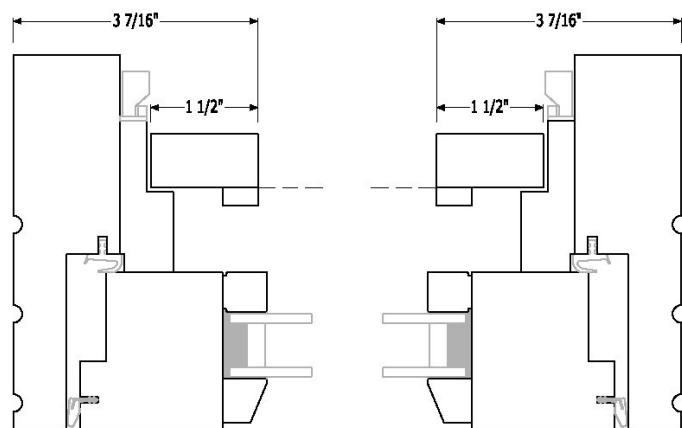
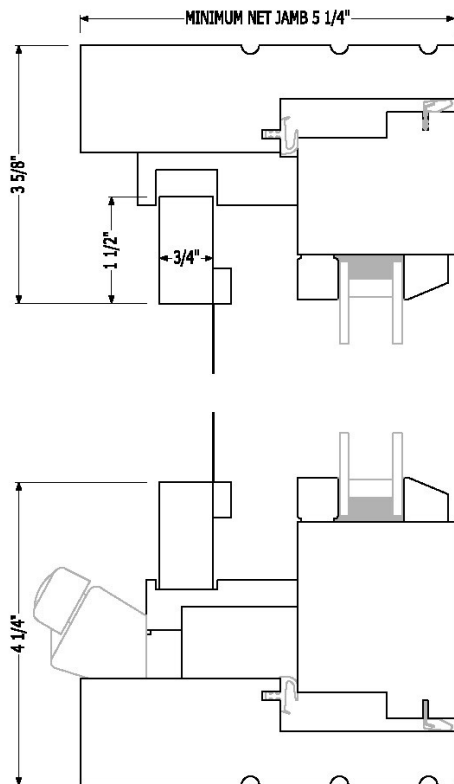
Screens



Push-Out With Screen



Roto with Screen



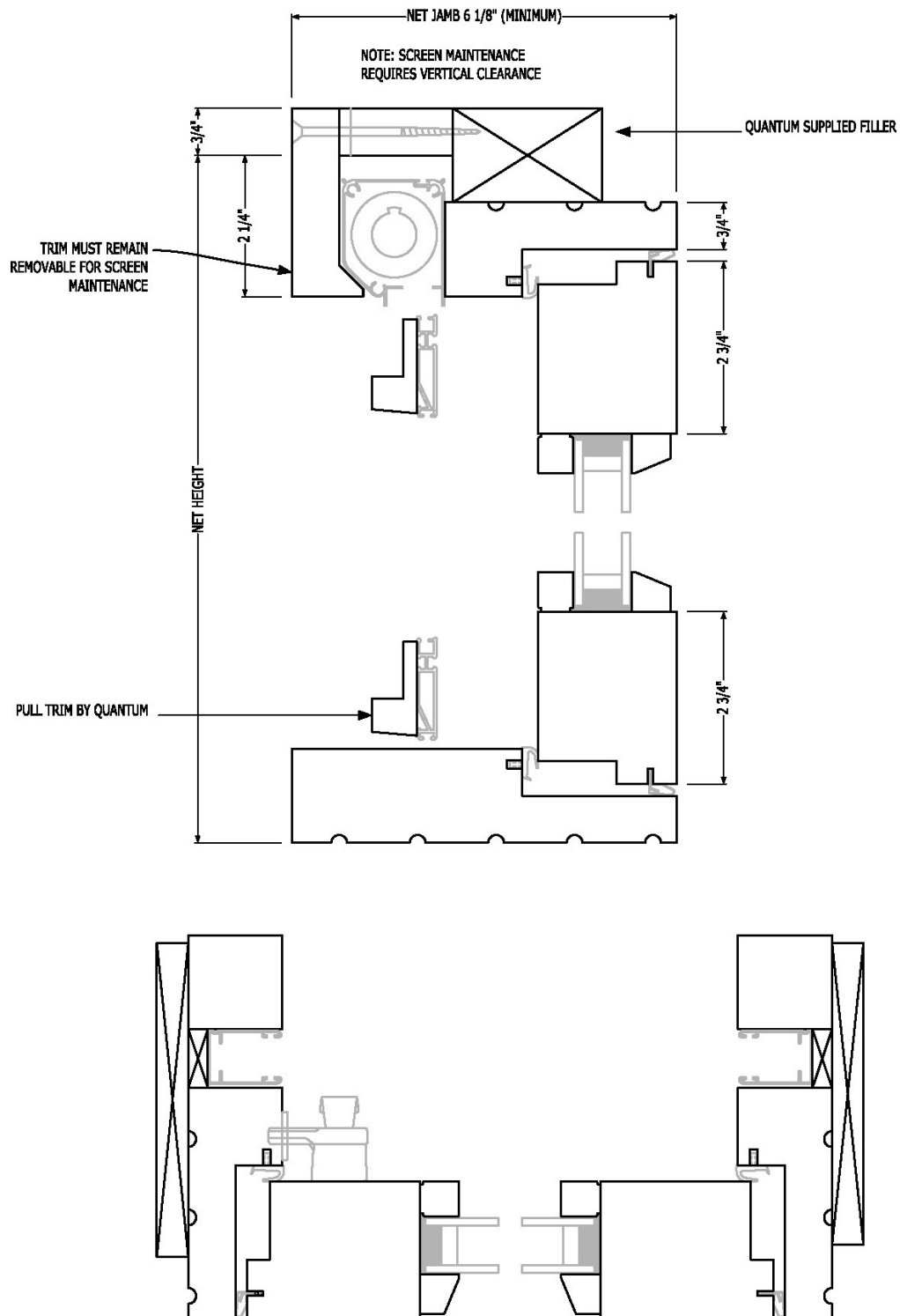
CS-10

For more information please contact your Quantum Representative

Classic Series Windows

Screens

Genius Screen



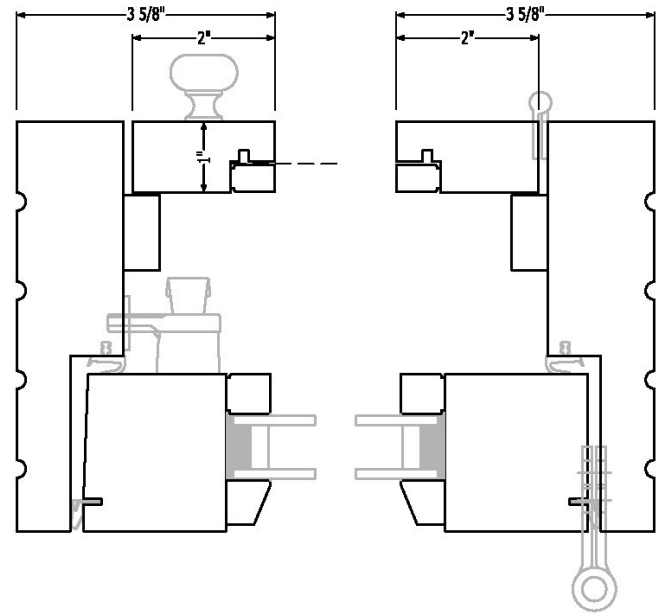
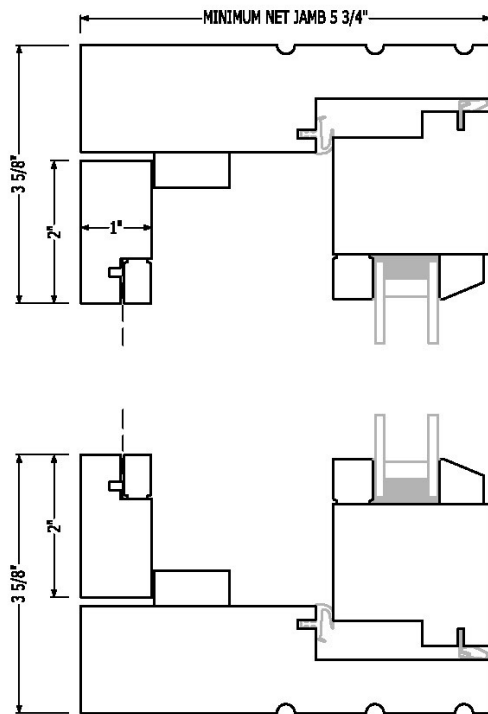
For more information please contact your Quantum Representative

CS-11

Classic Series Windows

Screens

Butt Hinge with Screen



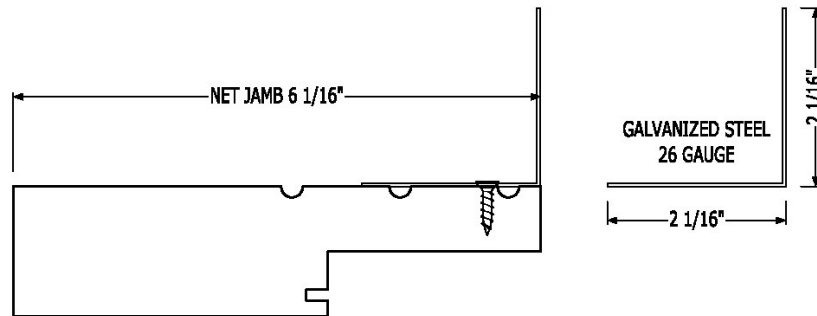
CS-12

For more information please contact your Quantum Representative

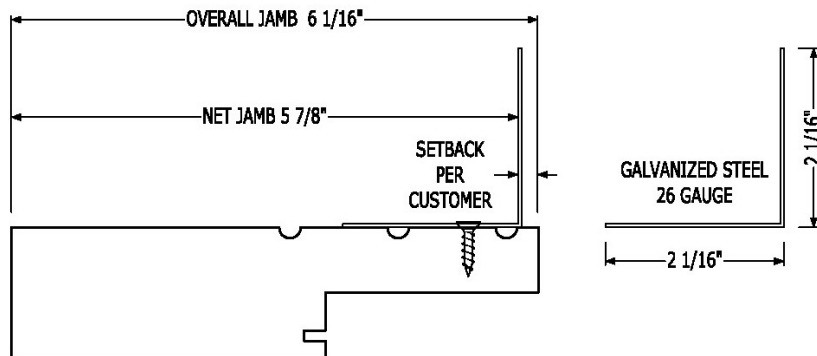
Classic Series Windows

Nailing Flange Options

Surface Applied Flush



Surface Applied with Setback



For more information please contact your Quantum Representative

Legacy Series Windows

Quantum's **Legacy Series** windows offer the same traditional design and time tested operation and performance of traditional double hung windows while upgrading key components. The end result is a thoroughly modern window that maintains the aesthetics of the original design but with greatly improved energy and weather insulation.

Among these improvements are the use of modern gasket and glazing technologies. Traditional lead weight balances with brass chain and flywheel operation remain an option, but the majority of our double hung windows have sashes supported by our concealed spring balance system. This unique balance system provides smooth sash operation while omitting the plastic or aluminum tracks that would detract from the beauty of an all wood window. The concealed balance negates the need for bulky weight pockets allowing for smaller window-to-window mullions and maximum glass and light.

Quantum also offers casement (including double and French casement) and awning operation within the same frame and surround as our **Legacy Series** double hung windows. This system allows for a variety of different window operations within a single project while assuring that critical glass, muntin, and trim alignments are preserved.



Portland, OR
Carleton Hart Architecture
Sally Painter Photography

Styles

- Single Hung
- Double Hung
- Triple Hung
- Legacy II (Retrofit)
- Historic Restoration

Options

- Exterior & Interior Trim
- Fixed Sash
- Screens
- Ovolo, Ogee & Beveled Detailing
- True Divided Lites
- Motorized



New York, NY
Morris Adjmi Architects



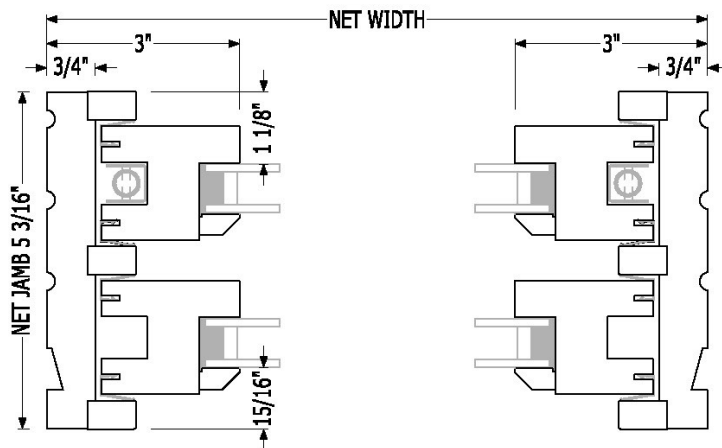
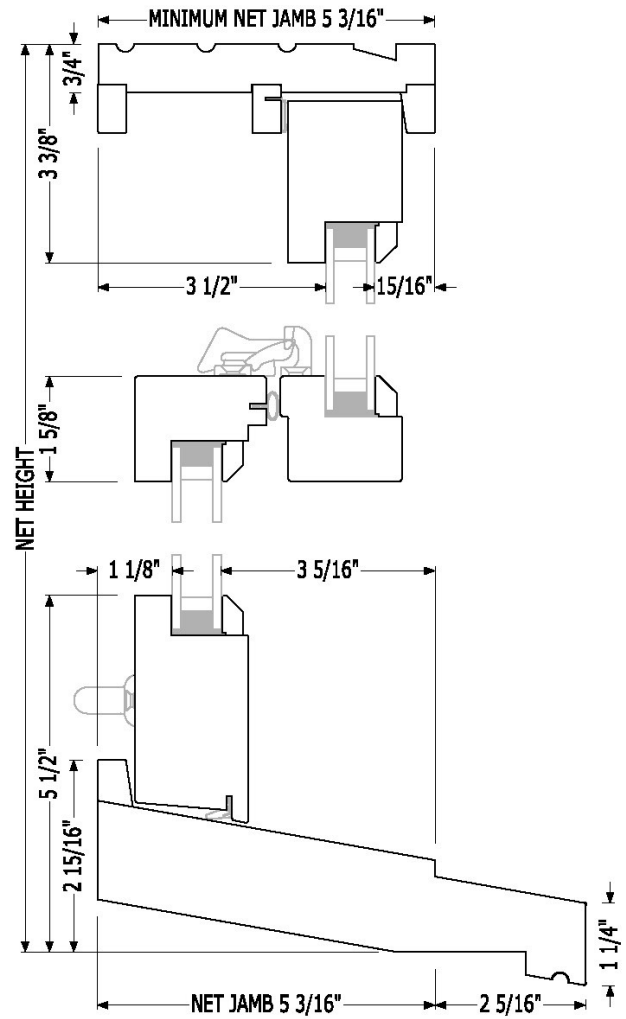
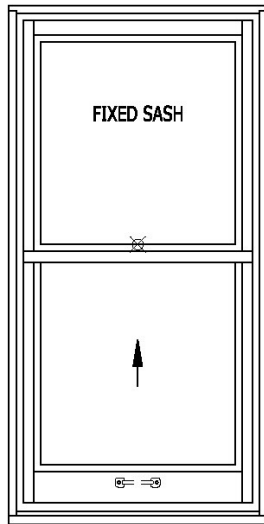
Austin, TX
Webber/Hanzlik Architects
Paul Bardagjy Photography

For more information please contact your Quantum Representative



Legacy Series Windows

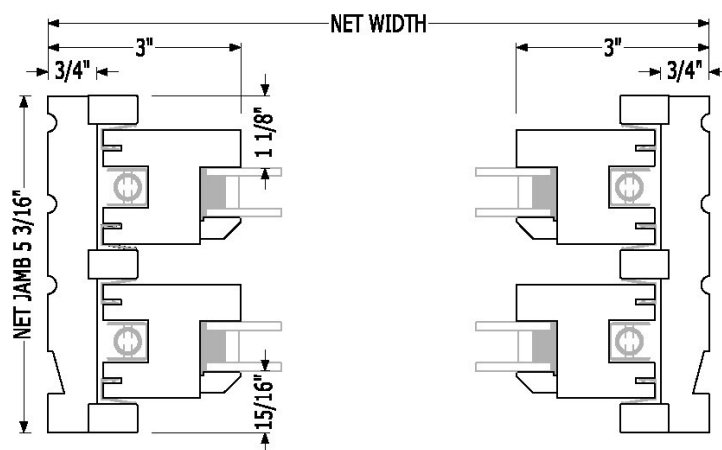
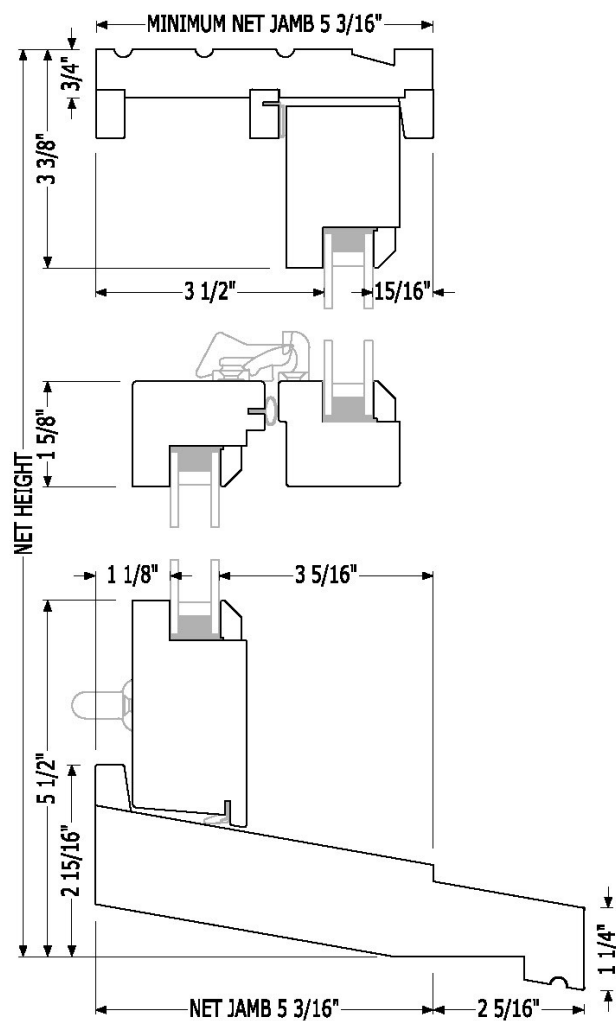
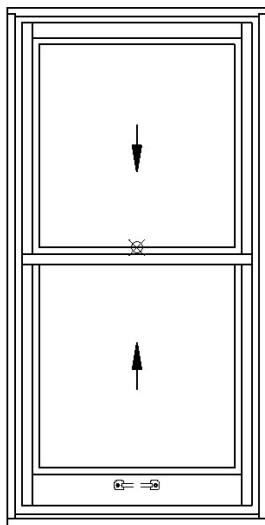
Single Hung



For more information please contact your Quantum Representative

Legacy Series Windows

Double Hung

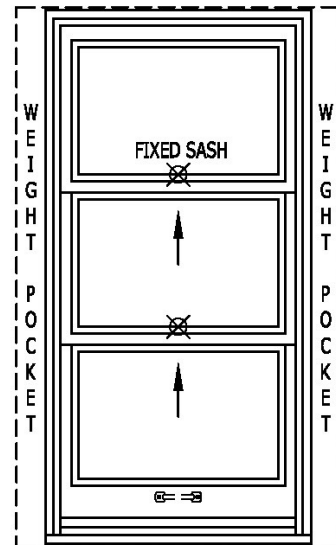
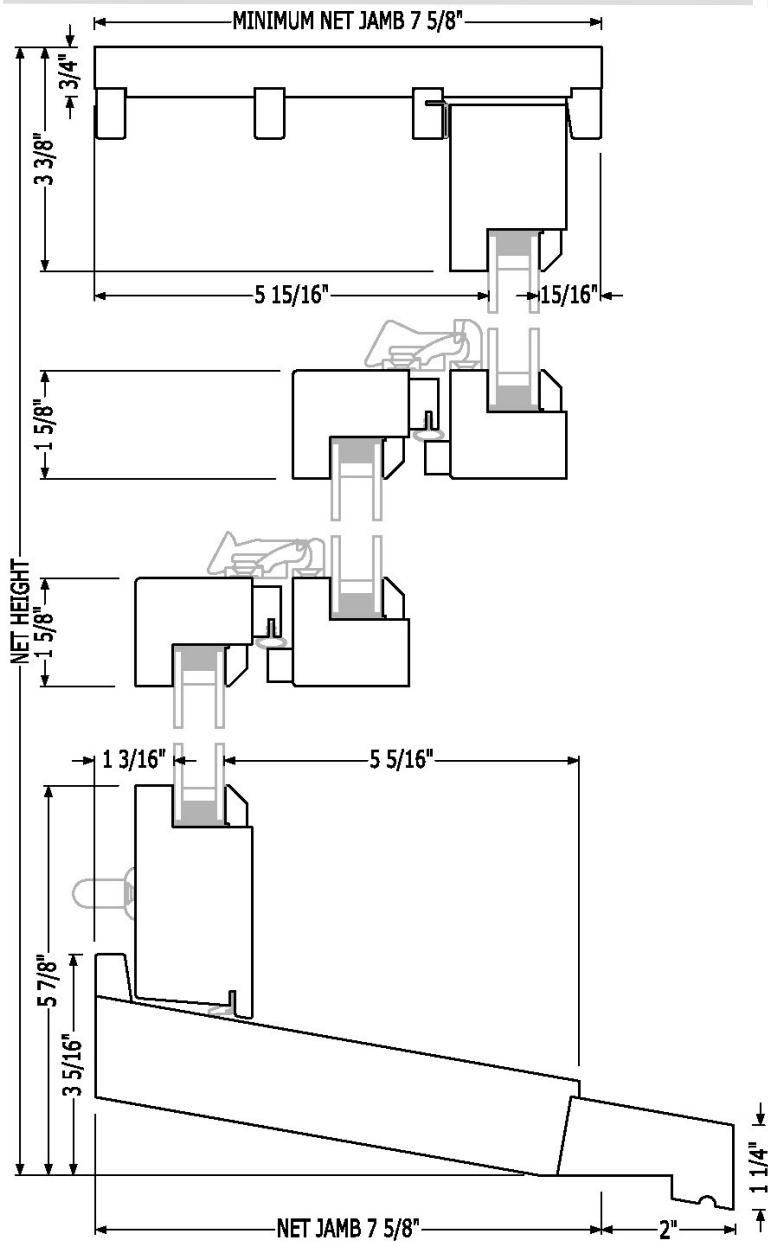


LS-2

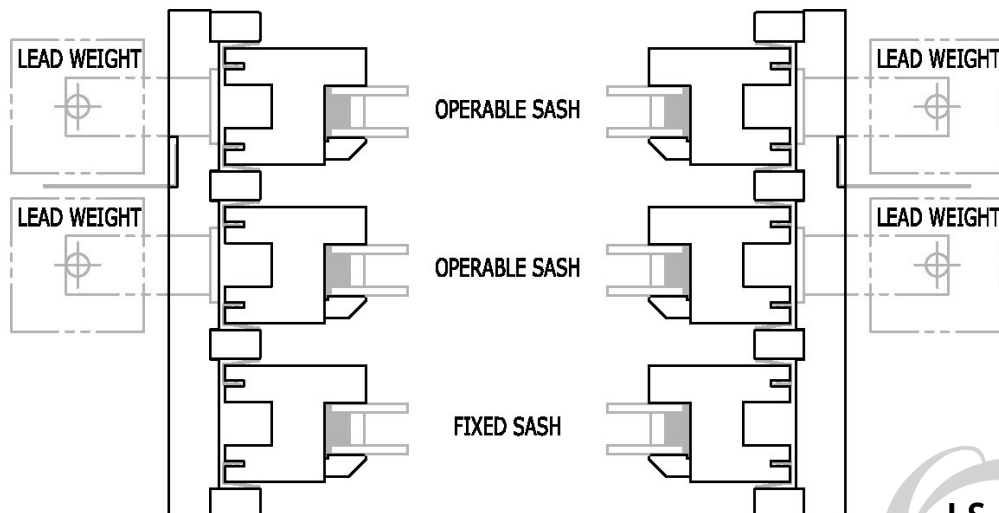
For more information please contact your Quantum Representative

Legacy Series Windows

Triple Hung



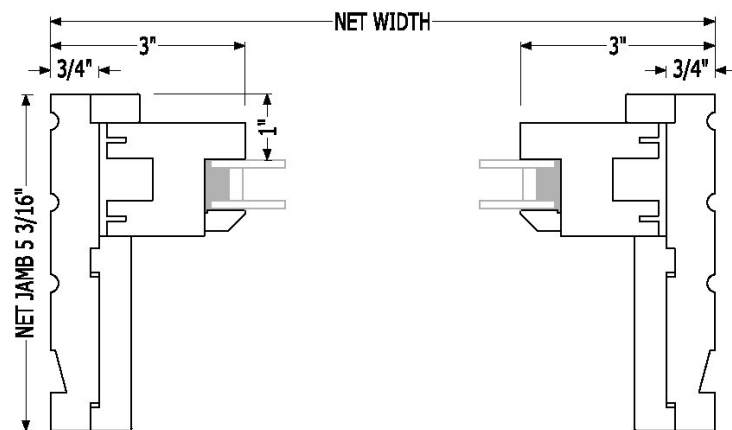
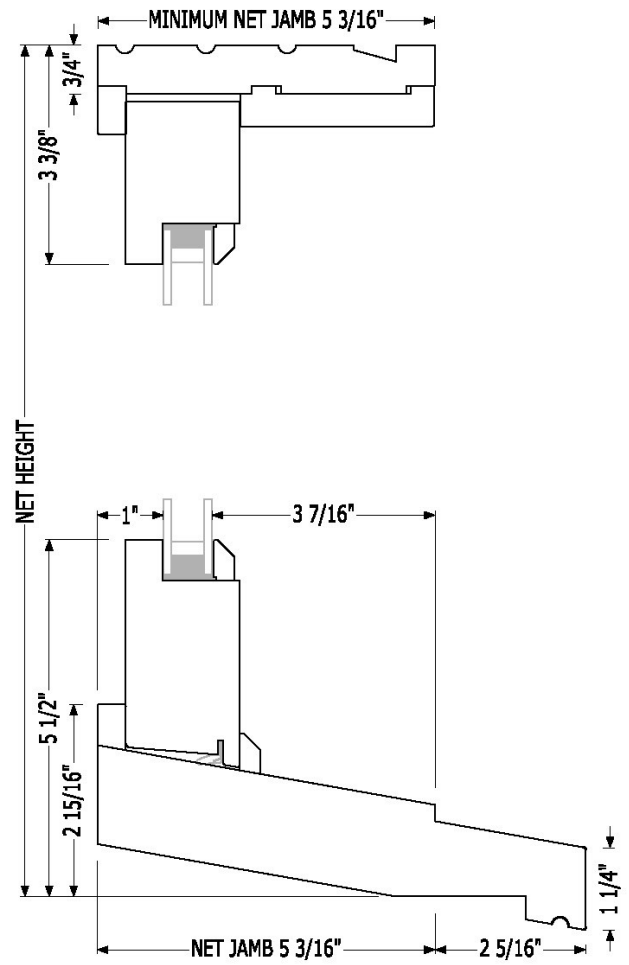
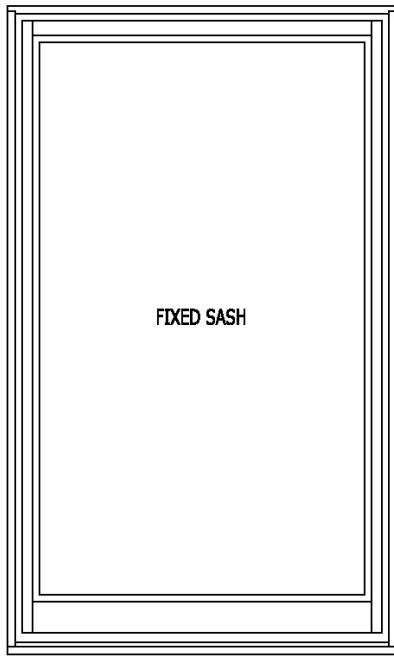
**For details on motorized options please contact Quantum.



LS-3

Legacy Series Windows

Fixed Sash



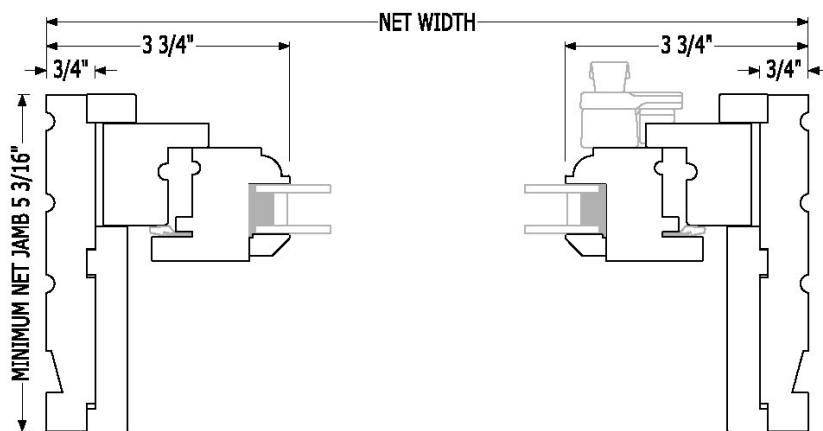
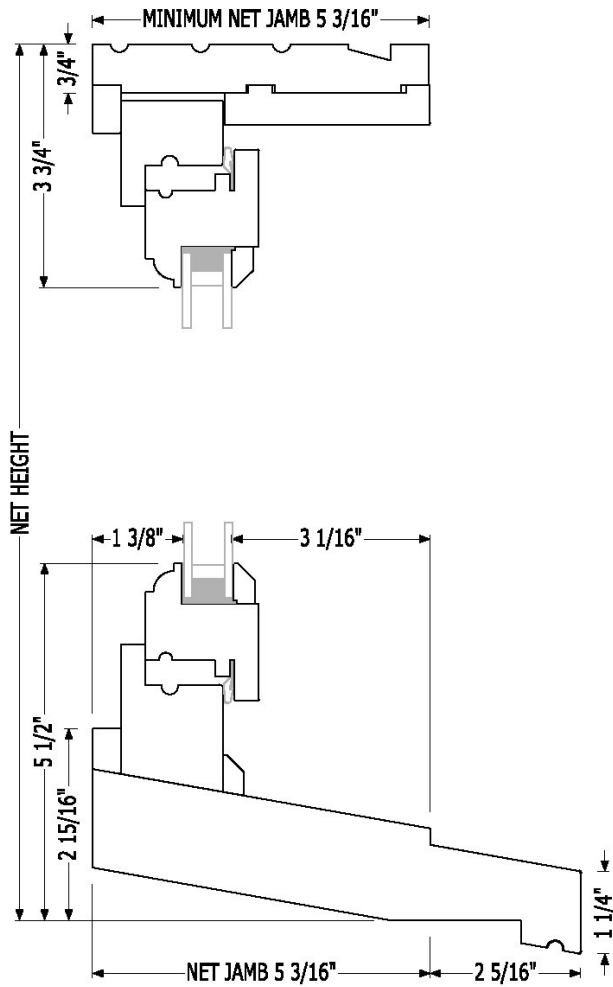
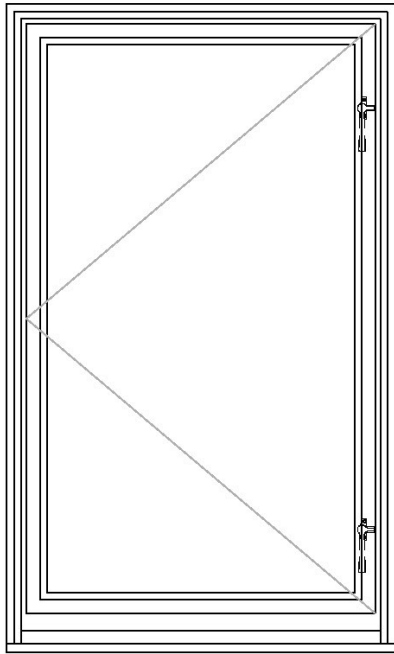
For more information please contact your Quantum Representative

Awning



Legacy Series Windows

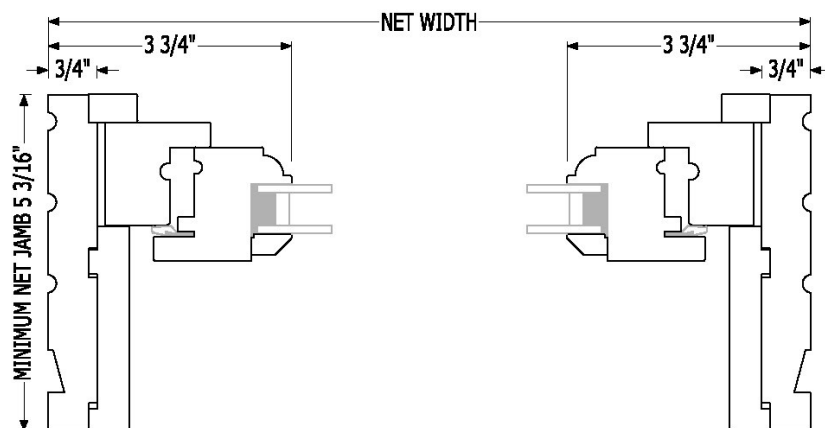
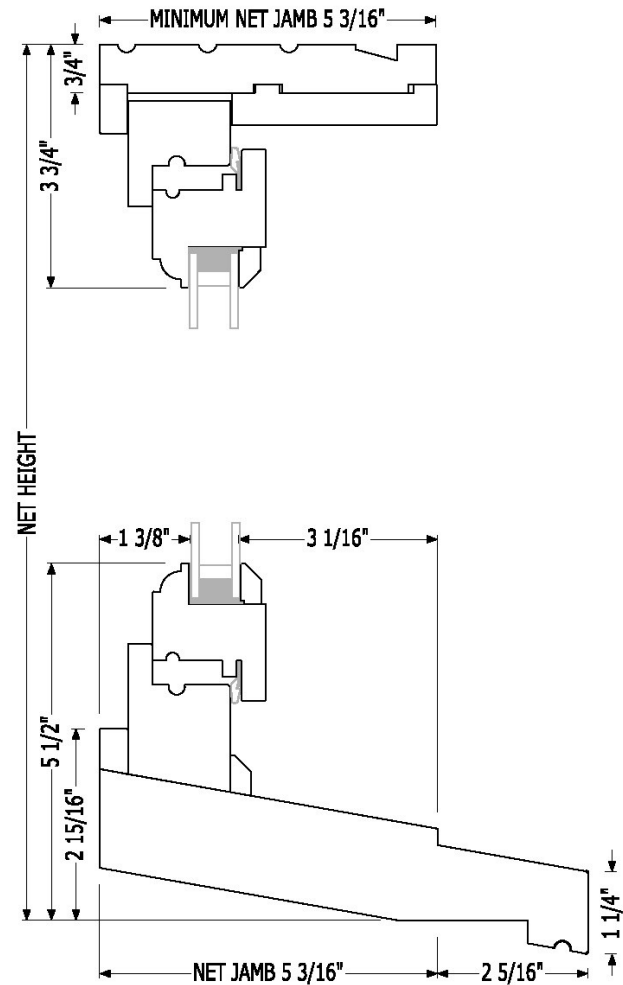
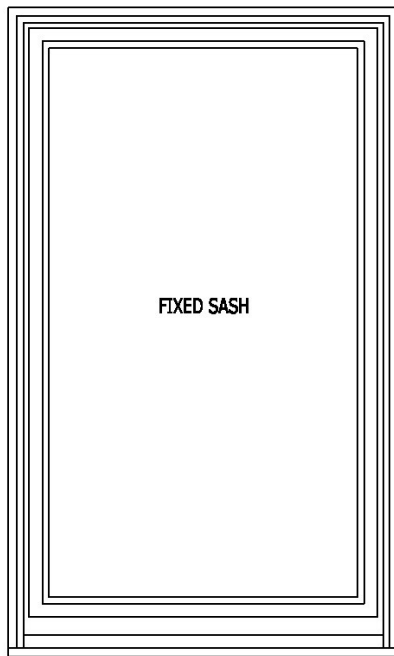
Casement



For more information please contact your Quantum Representative

Legacy Series Windows

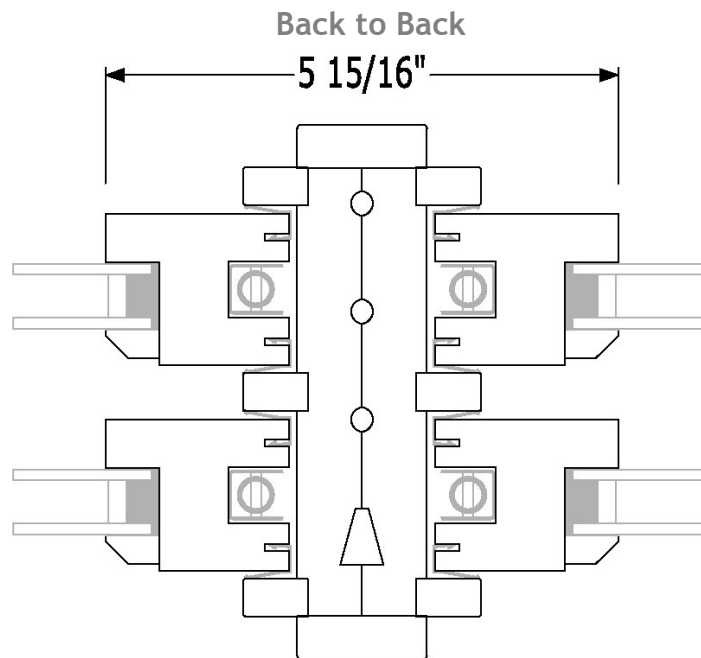
Fixed Sash (Hybrid)



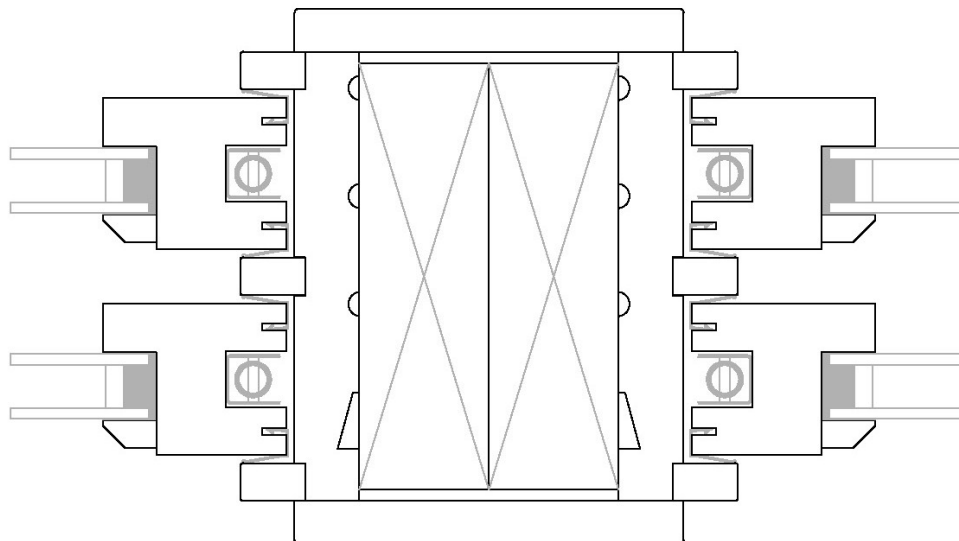
For more information please contact your Quantum Representative

Legacy Series Windows

Mulling Options



Filler or Space Mullion Option

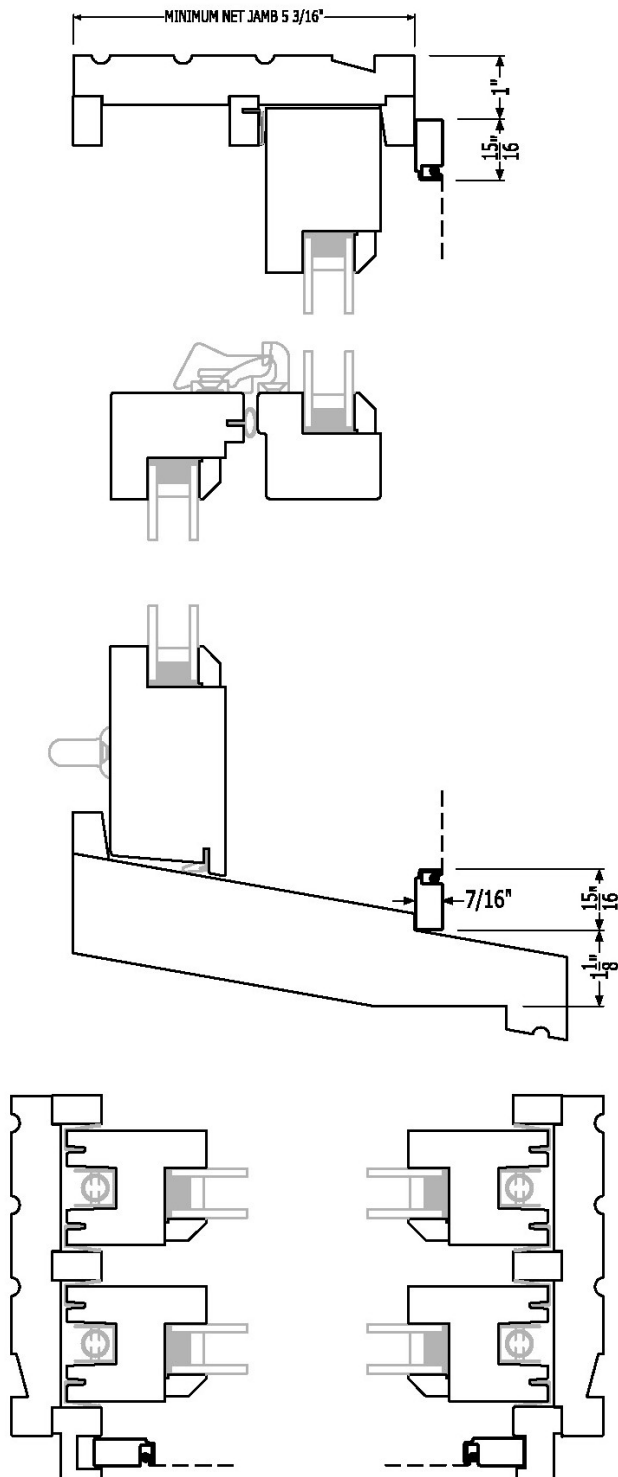


For more information please contact your Quantum Representative

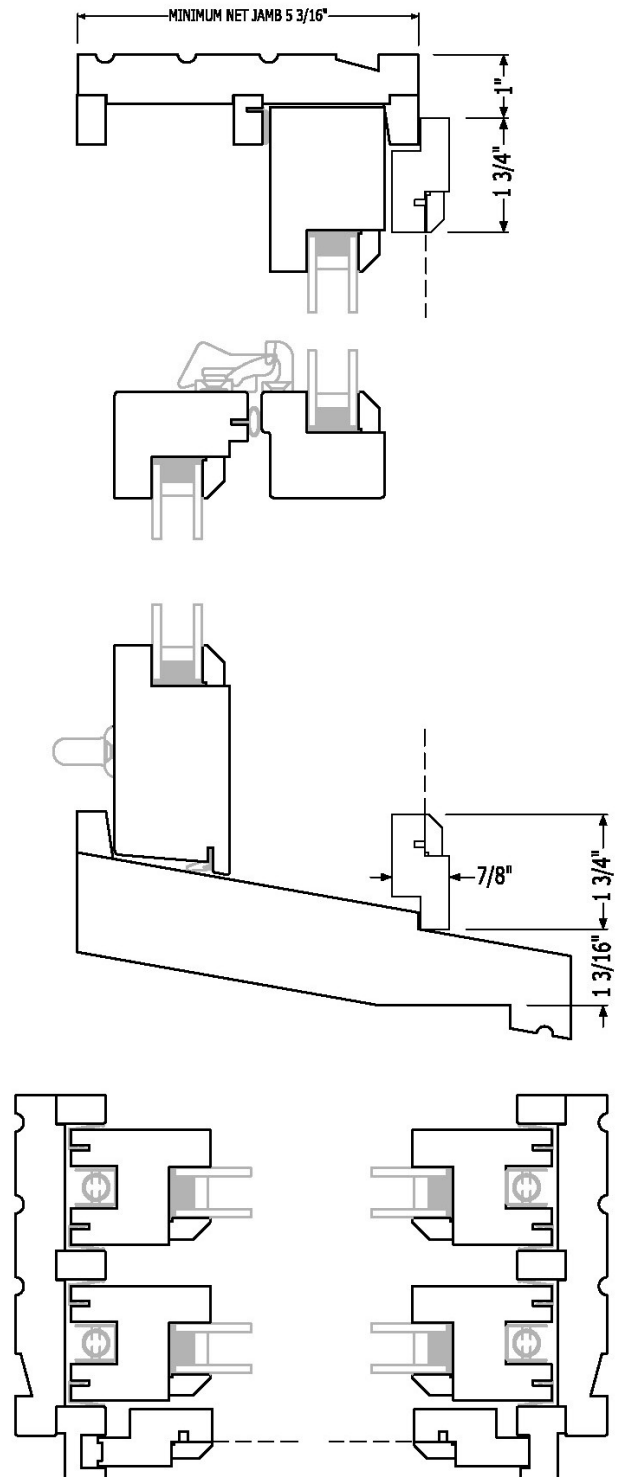
Legacy Series Windows

Screens

Metal Screens



Wood Screens



For more information please contact your Quantum Representative

Euro Series Windows

Quantum's **Euro Series** windows feature stile and rail construction, multi point locking hardware, and exceptional weather stripping. Versatile styles distinguish the **Euro Series**: pivot, tilt/turn and inswing windows.

Pivot windows swing in at the top and out at the bottom providing equal ventilation. A stay mechanism holds the sash partially open and can be released to pivot the sash 180°. Multi point locking hardware provides secure closure at the sash rails.

Tilt/Turn windows operate in two directions. They tilt in at the top providing ventilation without exposing the head of the window sash to the weather, and swing in like a casement providing an egress exit. The sash and jamb have a stepped, interlocking design fitted with exceptional weather stripping. An aluminum extrusion across the bottom captures water and directs it outside, even when the window is open.

The **Euro Series** casement allows for oversized operable windows. The single handle and multi-point locking system make it advantageous for numerous applications. The in-swing French casement requires no center post and can be discretely screened on the exterior.

Styles

- Angles & Shapes
- Tilt/Turn
- Pivot
- Picture Frames
- Inswing Casements

Options

- Interior & Exterior Trim
- Fixed Sash & Mullions
- Jamb Liners & Screens
- Ovolo Detailing



Sacramento, CA
PHA Architects

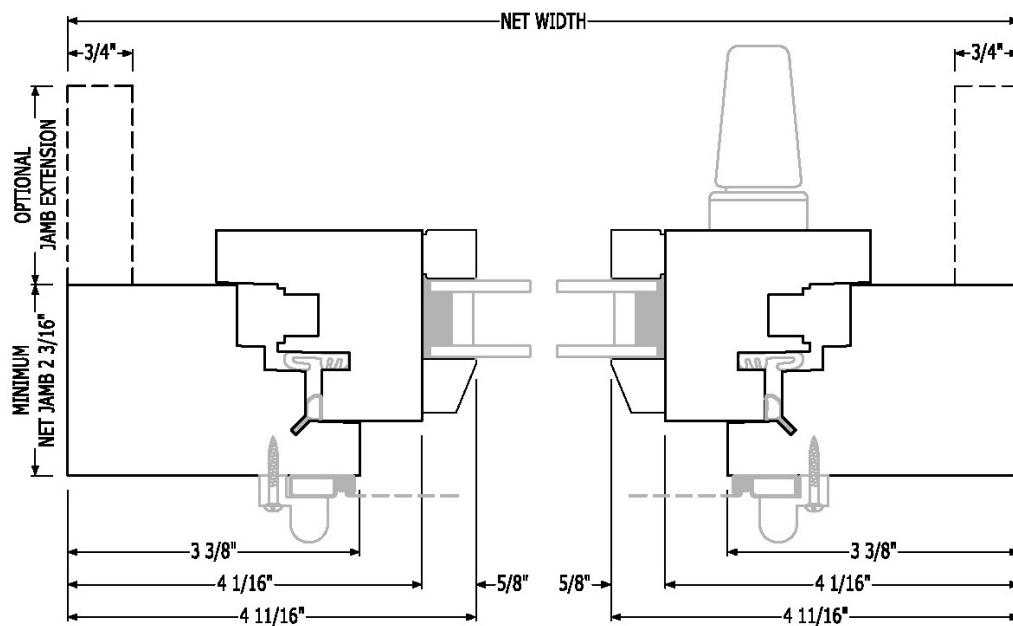
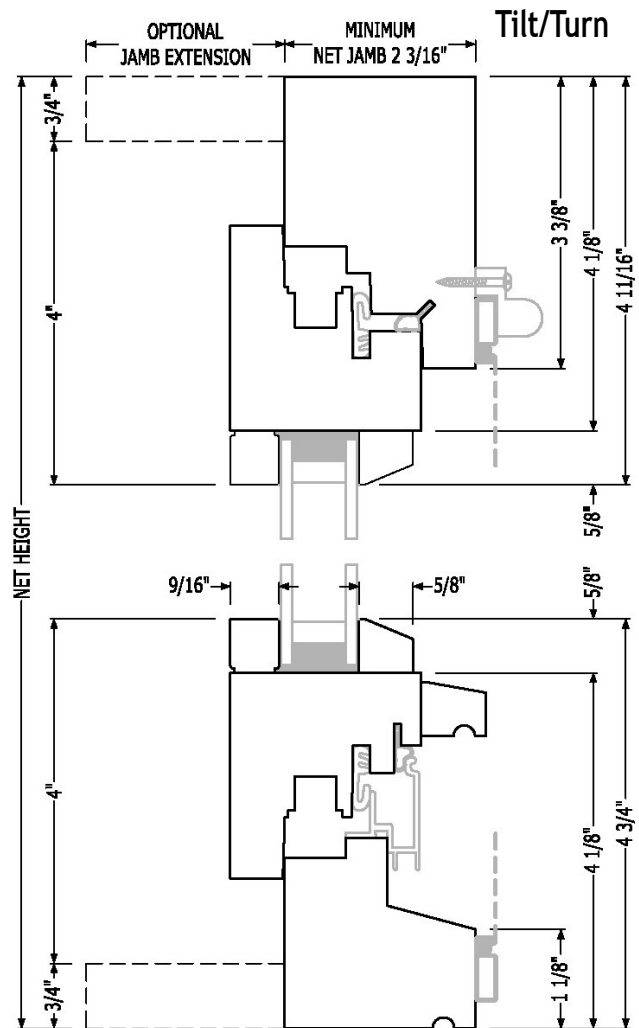
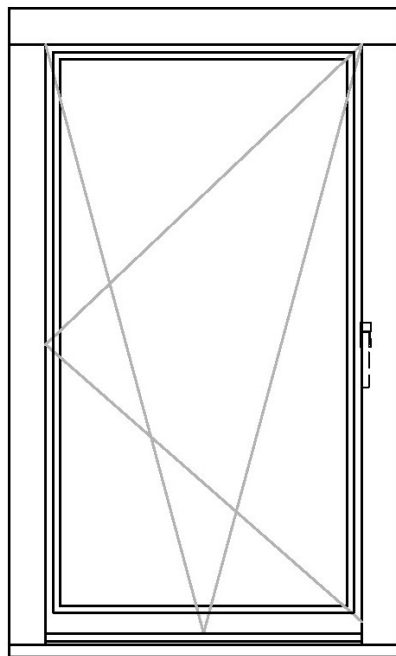


San Clemente, CA
Keisker & Wiggle Architects
Smith Photography

For more information please contact your Quantum Representative



Euro Series Windows

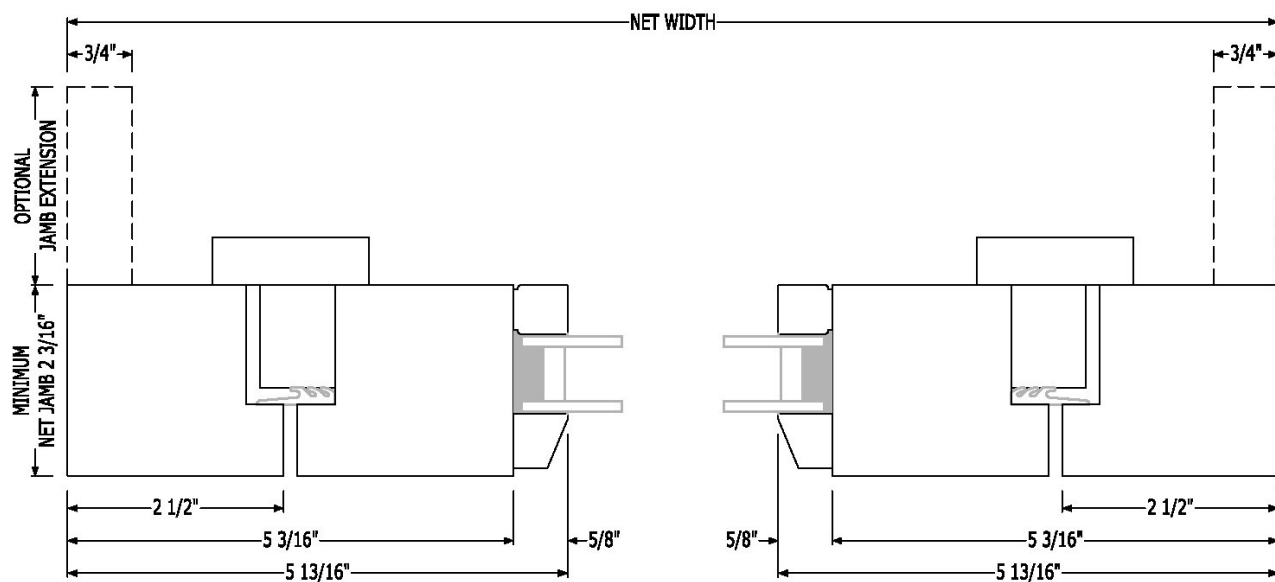
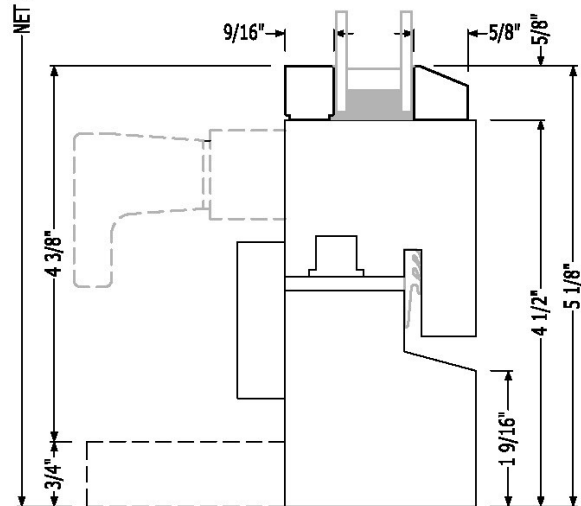
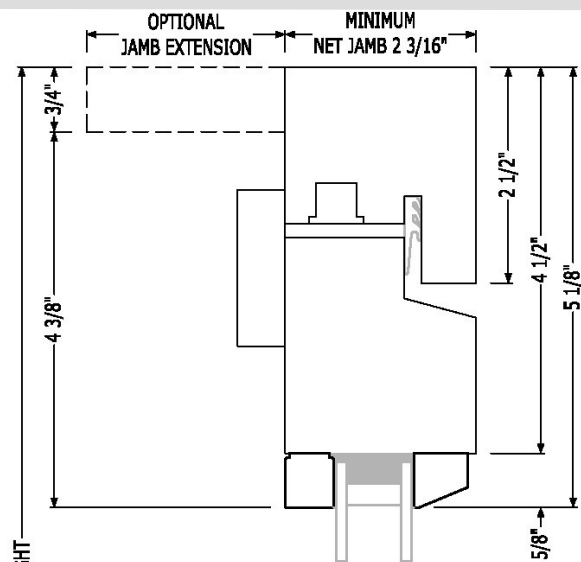
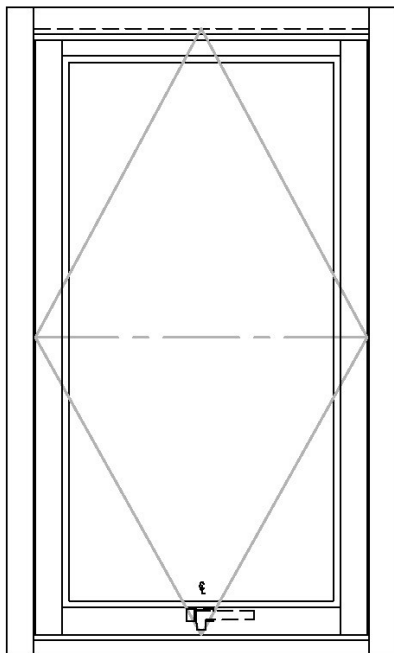


For more information please contact your Quantum Representative



Euro Series Windows

Pivot



ES-2

For more information please contact your Quantum Representative

Quantum has been designing and building custom windows and doors for over 30 years, developing a reputation for meticulous craftsmanship, exceptional performance and an unequaled level of commitment to clients. Quantum currently builds three lines of doors, depending on client preferences, needs, and applications. Within each series is an almost unlimited design flexibility when it comes to profiles, stops and glazing.

Quantum Doors

Hinged & Pivot Doors



Redmond, WA
FINNE Architects
Benjamin Benschneider Photography

Hinged doors feature traditional stile and rail construction, and are available in almost any configuration, shape or style including radius and dutch doors. Operable sidelites and custom glazing options are also available. **Pivot** doors allow larger panel sizes and lend themselves to contemporary styles in entry applications. Quantum **Pivot** doors can accommodate several hardware options including a variety of door control devices.

Slide & Fold Windows & Doors



Edina, MN
RKD Architects
Jill Greer Photography

Slide & Fold systems provide maximum clear opening between interior and exterior spaces. **Slide & Fold** doors are available in many configurations that can incorporate a man door to provide simple entry and exit while other panels remain locked in place. Units can be built up to 16 panels with a maximum panel width of 39". There are several options for tracks including U-channels and sloped thresholds.

Lift & Slide Windows & Doors



Big Sur, CA
Fougeron Architecture
Joe Fletcher Photography

Lift & Slide systems provide large open expanses, while providing superior weatherization. Quantum's **Lift & Slide** hardware allows for panels weighing up to 880 pounds that slide effortlessly, and provide optimum views and seamless transitions into corner and pocket applications.

In applications where a clad product may be more desirable, we have added **Quantum Clad** to our list of **Hinged**, **Slide & Fold**, and **Lift & Slide** door options. Ask your Quantum Representative about the available styles, colors and pricing.

For more information please contact your Quantum Representative



Hinged and Pivot Doors

At Quantum, we understand the complexities of building doors that are strong, secure, and exceptionally well crafted. Not only are Quantum doors beautiful in appearance, their quality is tangible with every operation.

Quantum's **Hinged and Pivot** doors utilize stile and rail construction. Whether building with engineered Douglas Fir core or using optional slab construction, Quantum's **Hinged and Pivot** doors are unsurpassed in appearance, performance and durability.

Quantum's doors are available in many designs, configurations and operations. We build pivot doors, single and double hinged doors, solid panel, raised panel, dutch doors and any variation in between. We offer a wide variety of species as well as operable sidelites, custom glazing and true divided lites. We can accommodate a range of hardware options, along with a choice of high performance teak, sapele or aluminum sills.

We build the same quality into our interiors doors and offer them in all of our finish options, including raw, primed, painted or clear coat. Whether it be painted finish, Clear Vertical Grain (CVG) Douglas Fir with raised panels, or an exotic hardwood, we can build any door you can imagine.

In applications where a clad product may be more desirable, we have added **Quantum Clad** to our list of door options. Ask your Quantum Representative about the available styles, colors and pricing.

Styles

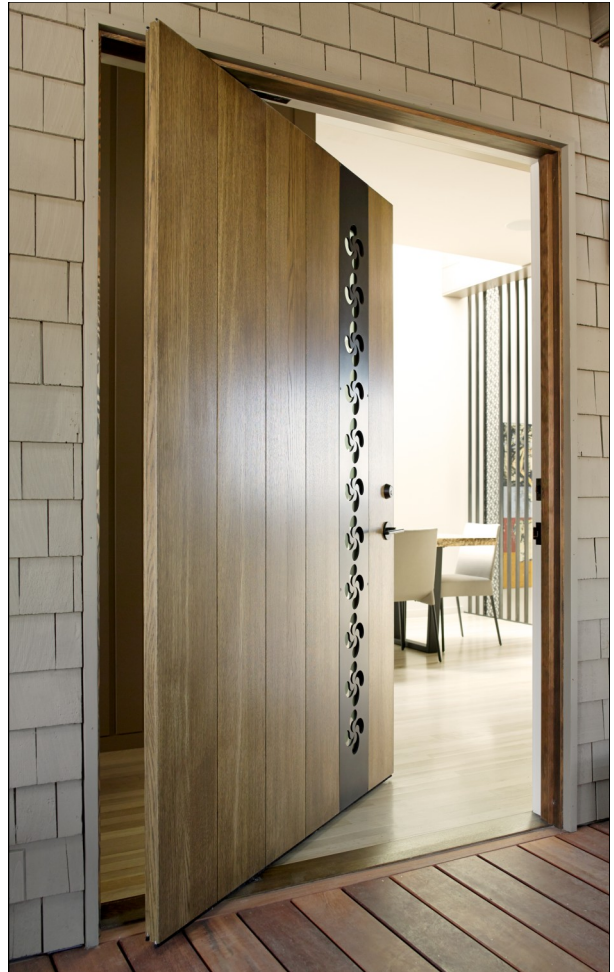
- Flat & Raised Panels
- Tongue & Groove
- Full Glass
- Custom Designs

Options

- True Divided Lites
- Transoms
- Sidelites
- Wood Species
- Glazing



Lake Oswego, OR
Reveal Architecture + Interiors
Laurie Black Photography



Mercer Island, WA
Heliotrope Architects
Alex Hayden Photography



Tulalip, WA
I-5 Design & Manufacture
Peter Malinowski, InSite Architectural Photography

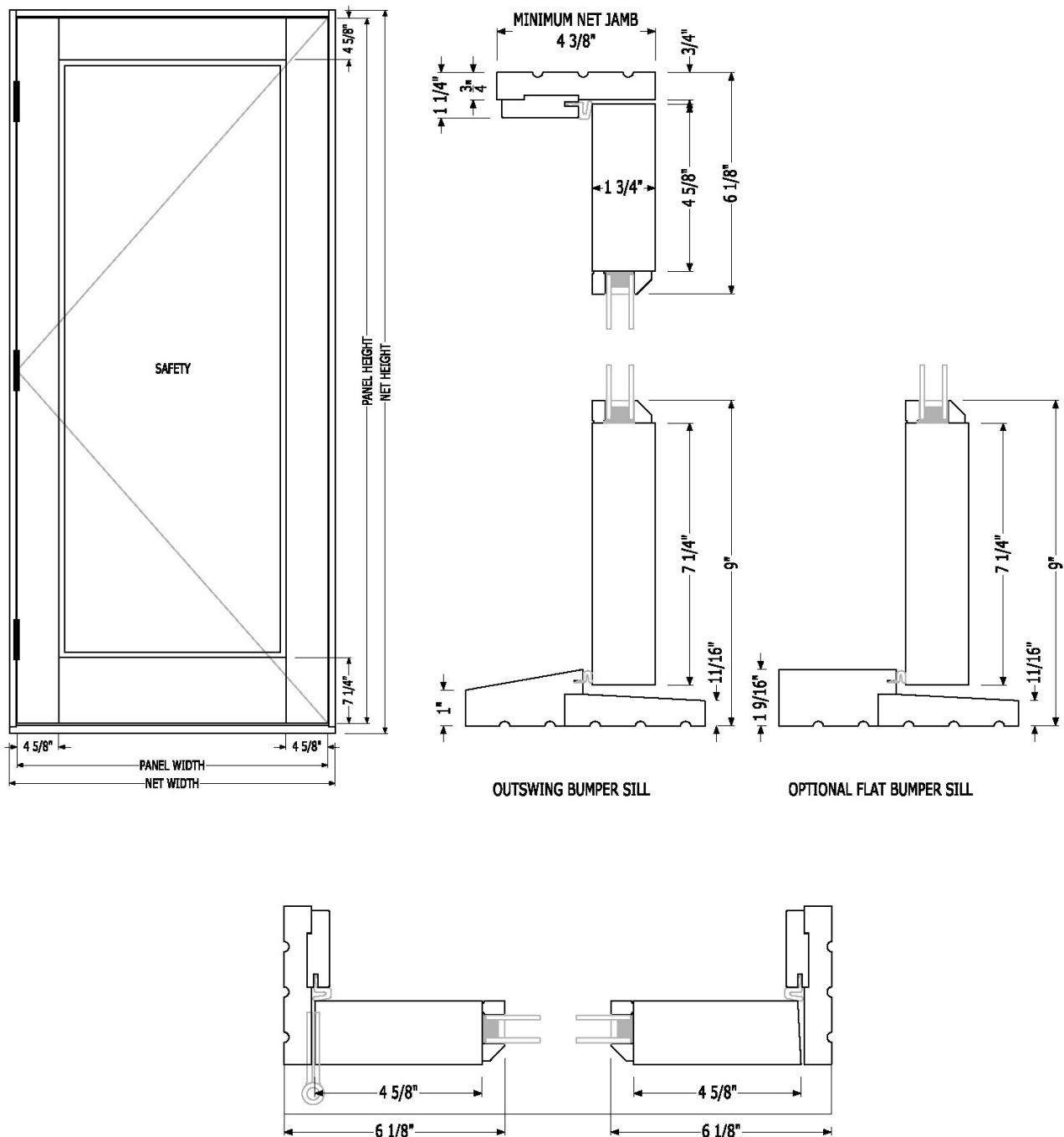
For more information please contact your Quantum Representative



Hinged and Pivot Doors

Outswing Single

Shown with Double Rabbet Jamb

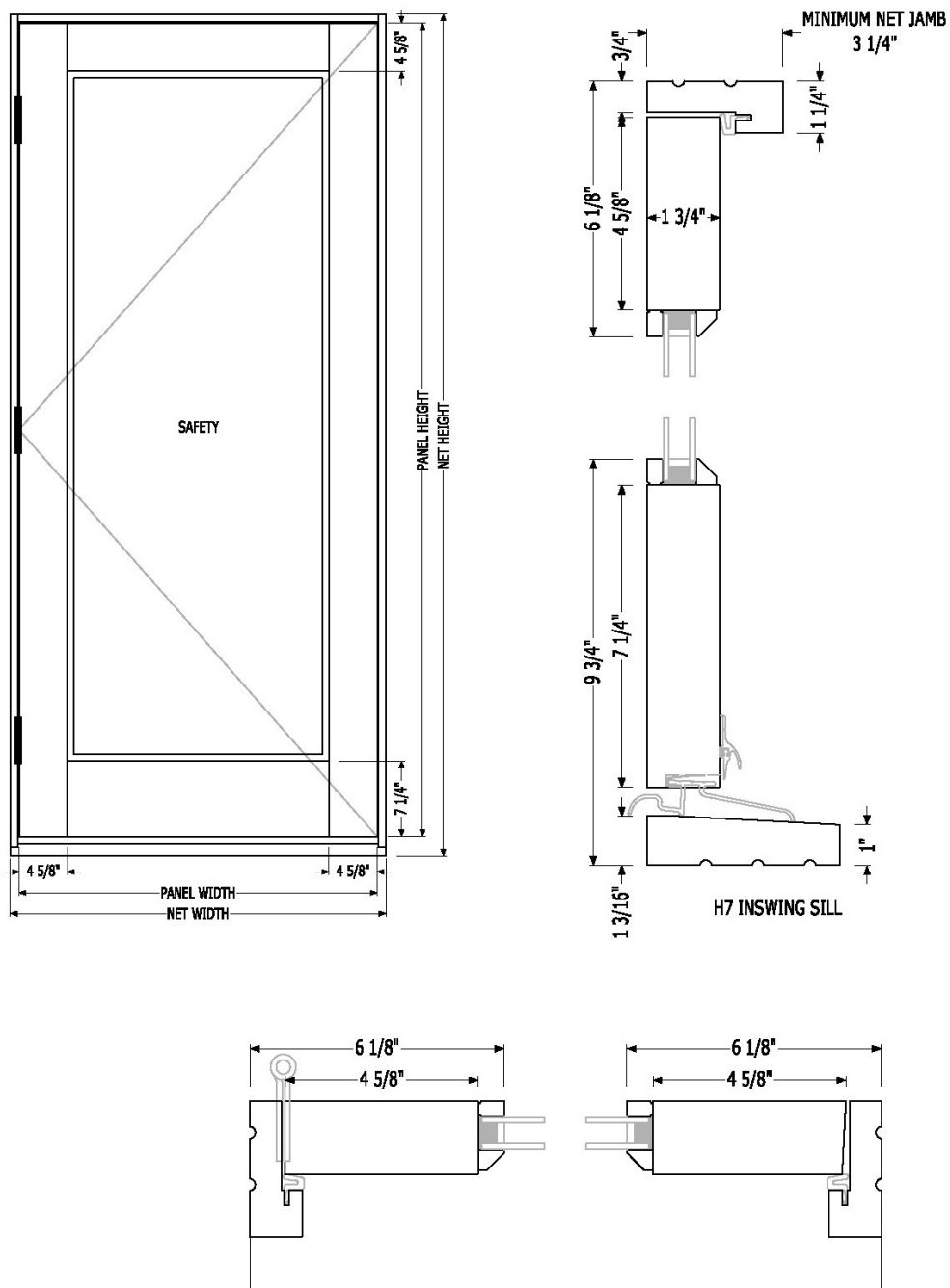


For more information please contact your Quantum Representative

Hinged and Pivot Doors

Inswing Single

Shown with Single Rabbet Jambs

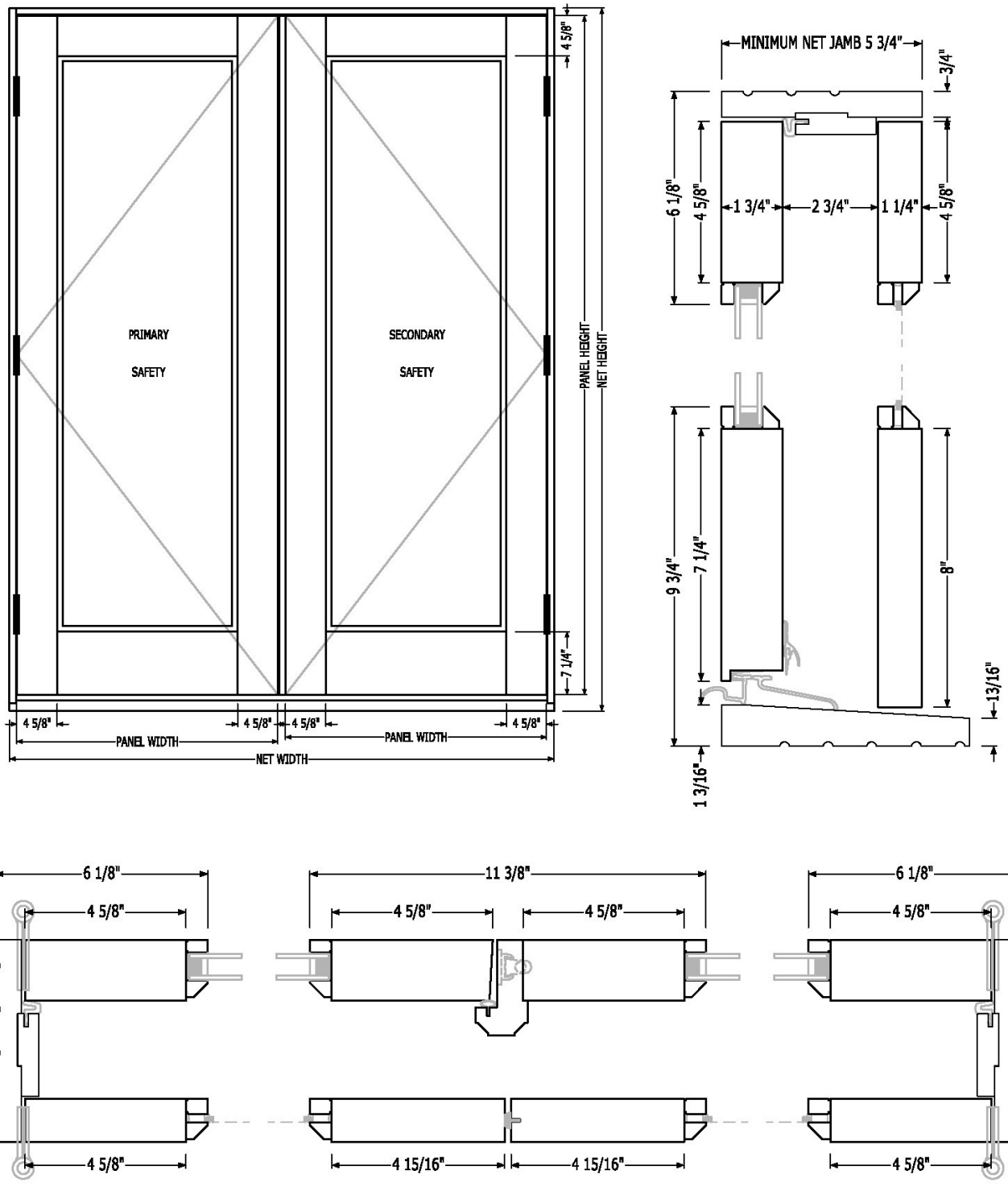


For more information please contact your Quantum Representative

Hinged and Pivot Doors

Inswing Double

Shown Double Hung with Double Rabbet Jamb and Screens



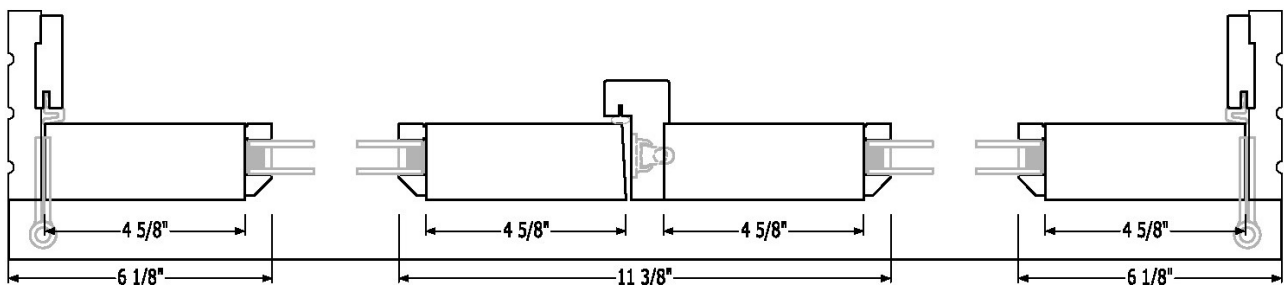
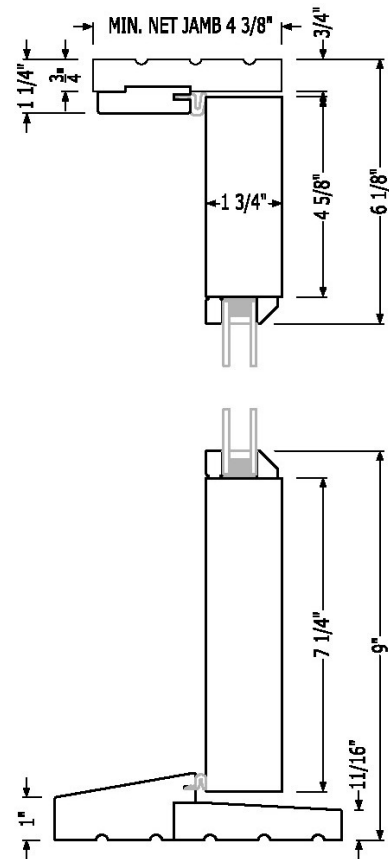
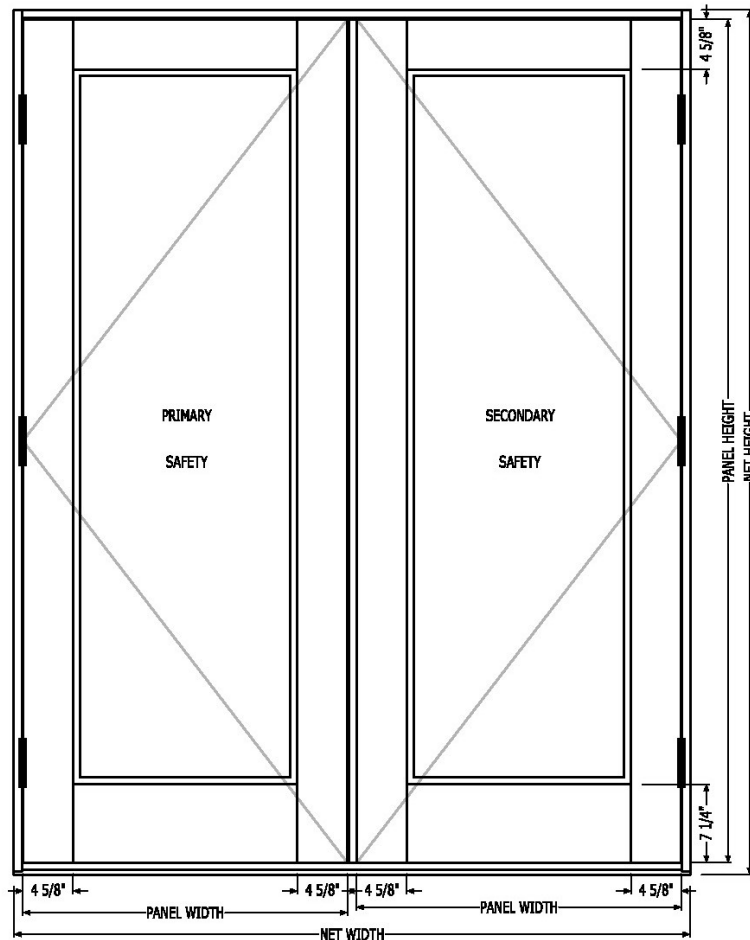
For more information please contact your Quantum Representative

HP-3

Hinged and Pivot Doors

Outswing Double

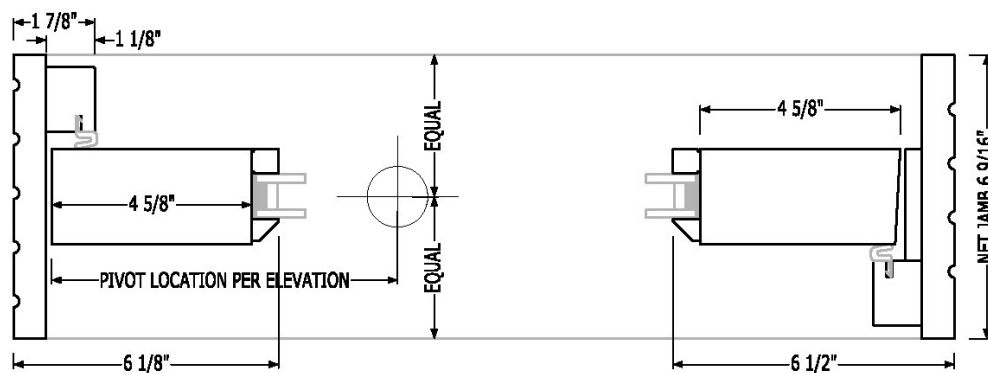
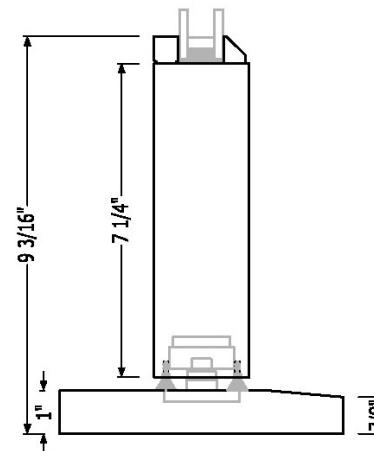
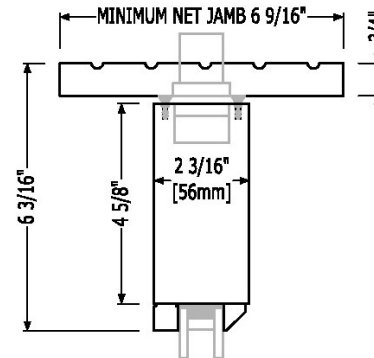
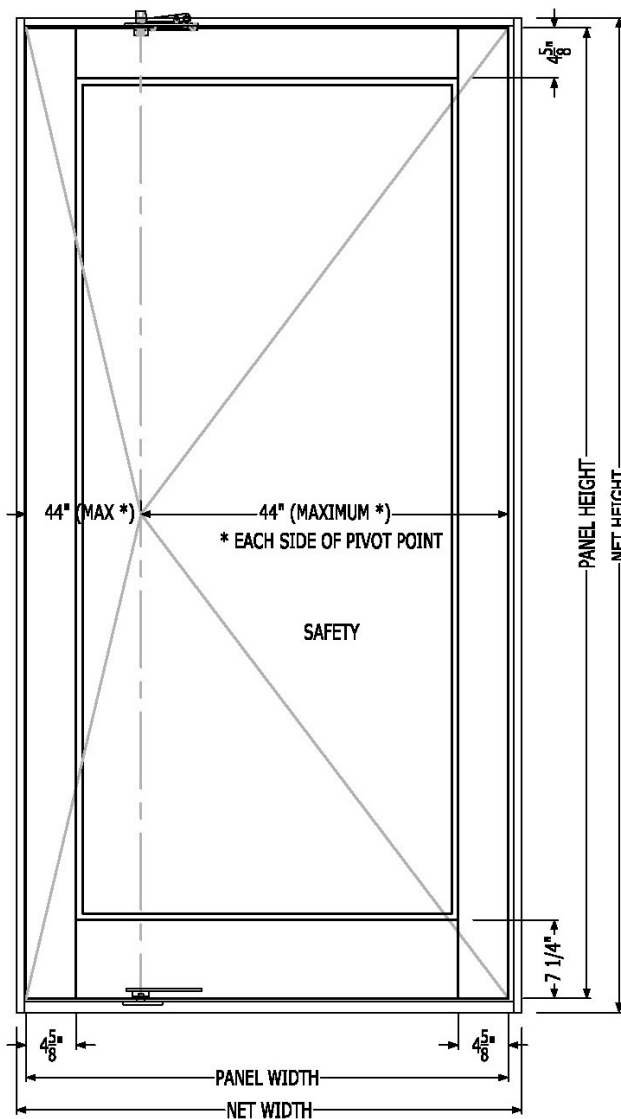
Shown Double Hung with Double Rabbet Jambs



For more information please contact your Quantum Representative

Hinged and Pivot Doors

Pivot Door



For more information please contact your Quantum Representative

Hinged and Pivot Doors

Quantum Drawings are Exterior Views

Door handing is always determine from the outside (key side)

The outside of an exterior door is the:

- Exterior Side
- Key Side

The outside of an interior door is the:

- Hall Side
- Key Side

Addition terms for pairs of doors:

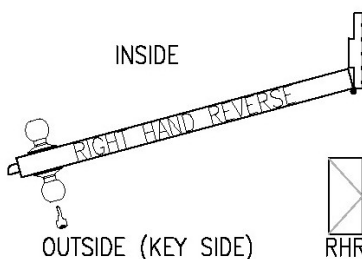
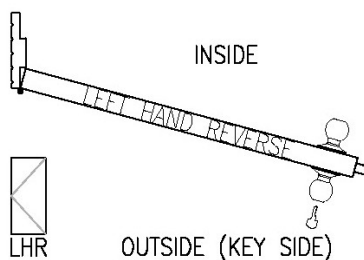
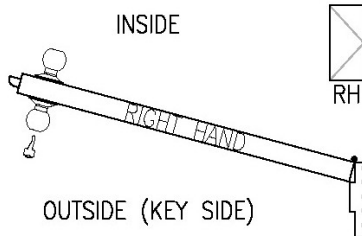
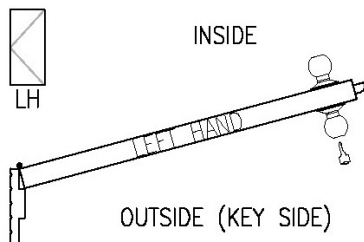
Double-Active

- No Astragal
- Swing Inward

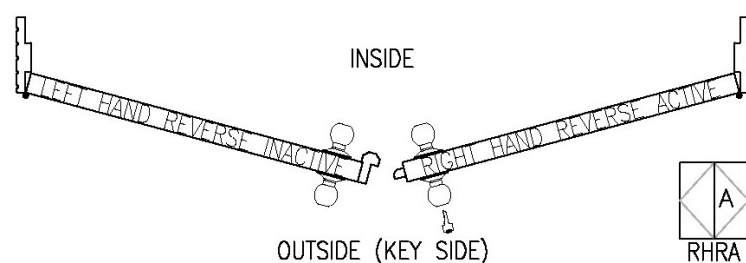
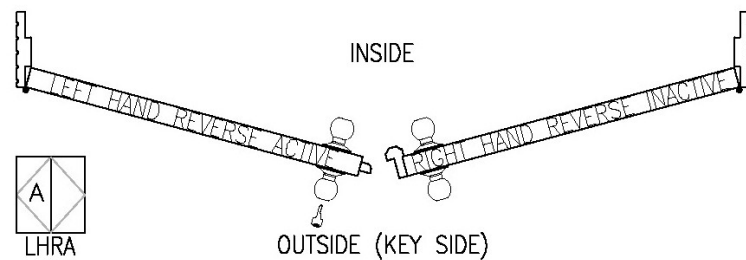
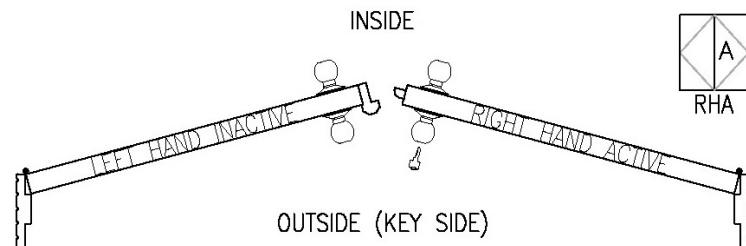
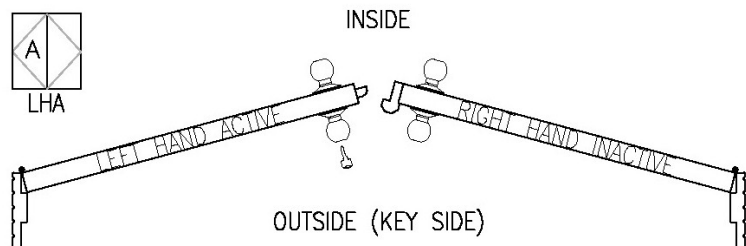
Double-Active Reverse

- No Astragal
- Swing Outward

Single Doors



Pairs of Doors



Slide & Fold Windows & Doors

Bring the outdoors in with Quantum's **Slide & Fold** systems. This unique system joins multiple door panels (up to 8 panels in each direction) with a sliding and folding mechanism and delivers tremendous flexibility for large scale openings.

When closed, **Slide & Fold** doors appear to be a wall of beautiful hinged doors. Fold open the doors and the wall virtually disappears leaving an unobstructed opening capable of spanning over 64 feet. Each door can be specified to slide and fold. For easy access, an independent hinged door can be integrated at multiple locations depending on configuration.

Slide & Fold systems are configurable in many combinations including corner units requiring no center support. Our systems are top hung and may be specified as in-swing and out-swing. Optional heavy duty, multi-point locking hardware brings it all together for ease of opening, folding and sliding.

For more information on oversized **Slide & Fold** doors please contact your Quantum Representative.

Options

- Roll Type Screens
- Transoms & Sidelites
- Weatherproof Sills
- Flush Sills
- Independent Passage Panels

Dimensions

- 39" max panel width
- 118" max panel height
- 220lbs max panel weight



Scarsdale, NY
Hamlin Goldreyer Architects
DLux Images



Seattle, WA
Arellano/Christofides Architects | Constructive Energy
Michael Moore Photography



Salem, SC
Jeremiah Eck Architects



Edina, MN
RKD Architects
Jill Greer Photography

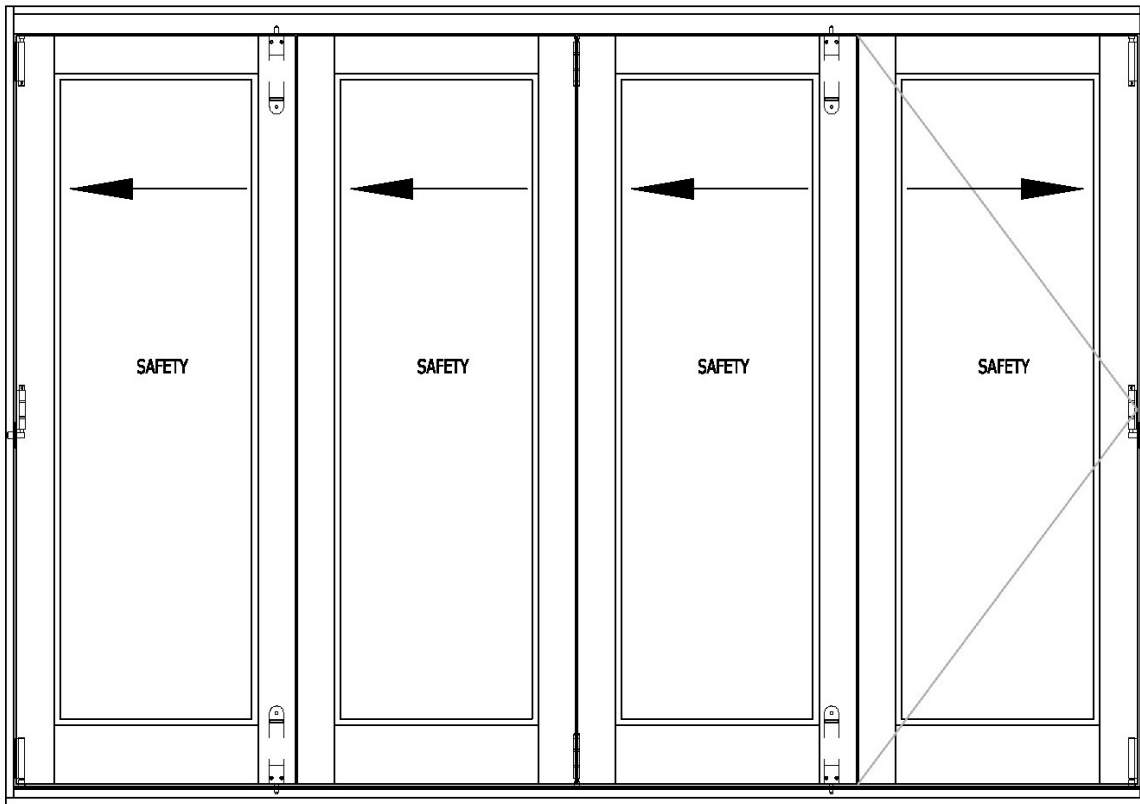
For more information please contact your Quantum Representative



Slide & Fold Windows & Doors

4 Panel Slide & Fold

3 left, 1 right (431)

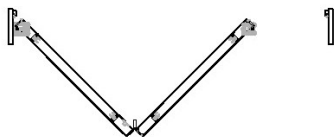


For more information please contact your Quantum Representative

Slide & Fold Windows & Doors

Configurations

2 left (220)



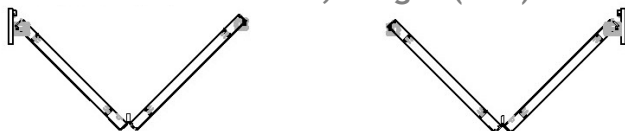
2 left, 1 right (321)



3 left (330)



2 left, 2 right (422)



3 left, 1 right (431)



4 left (440)



3 left, 2 right (532)



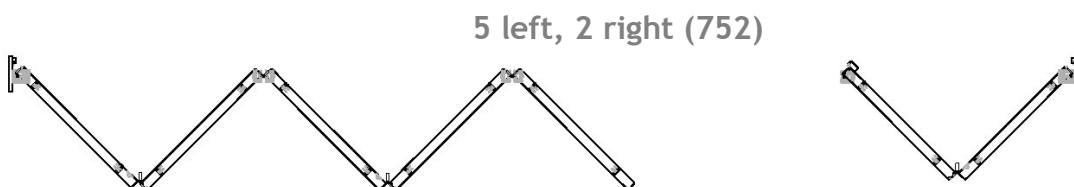
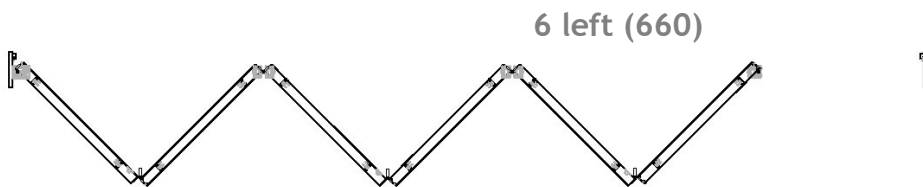
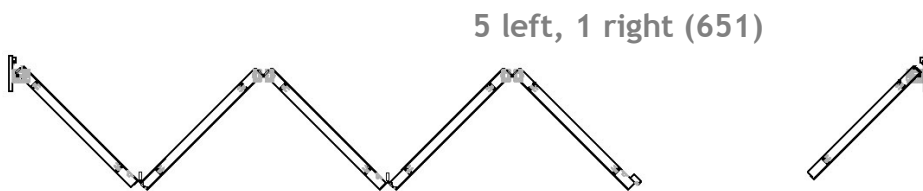
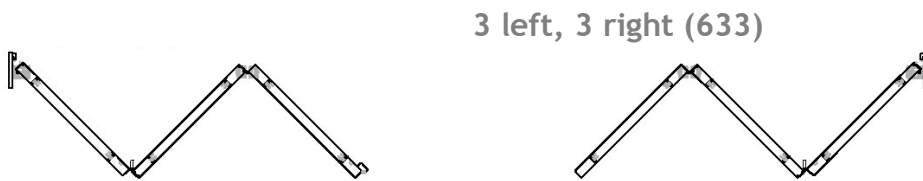
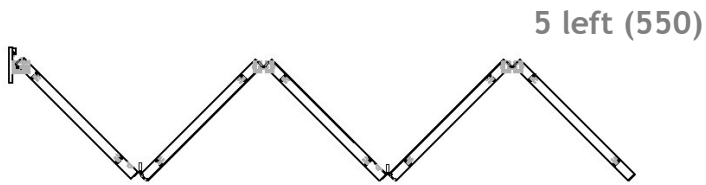
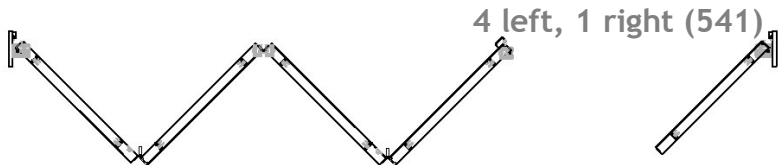
4 left, 1 right (541)



SF-2

Slide & Fold Windows & Doors

Configurations



For more information please contact your Quantum Representative

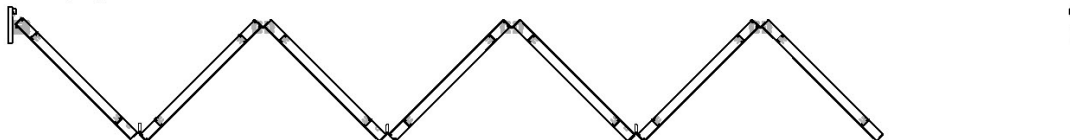
Slide & Fold Windows & Doors

Configurations

6 left, 1 right (761)



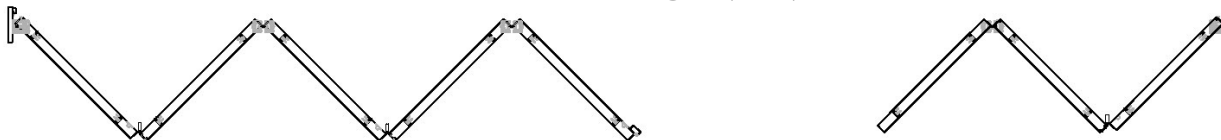
7 left (770)



4 left, 4 right (844)



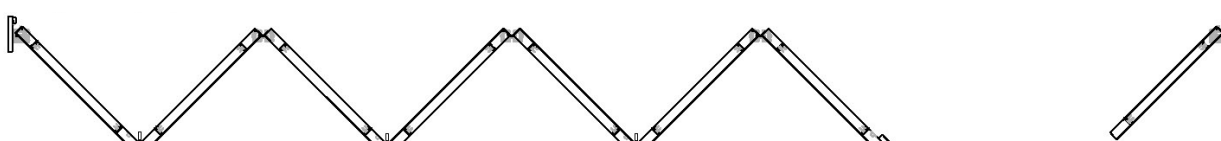
5 left, 3 right (853)



6 left, 2 right (862)



7 left, 1 right (871)



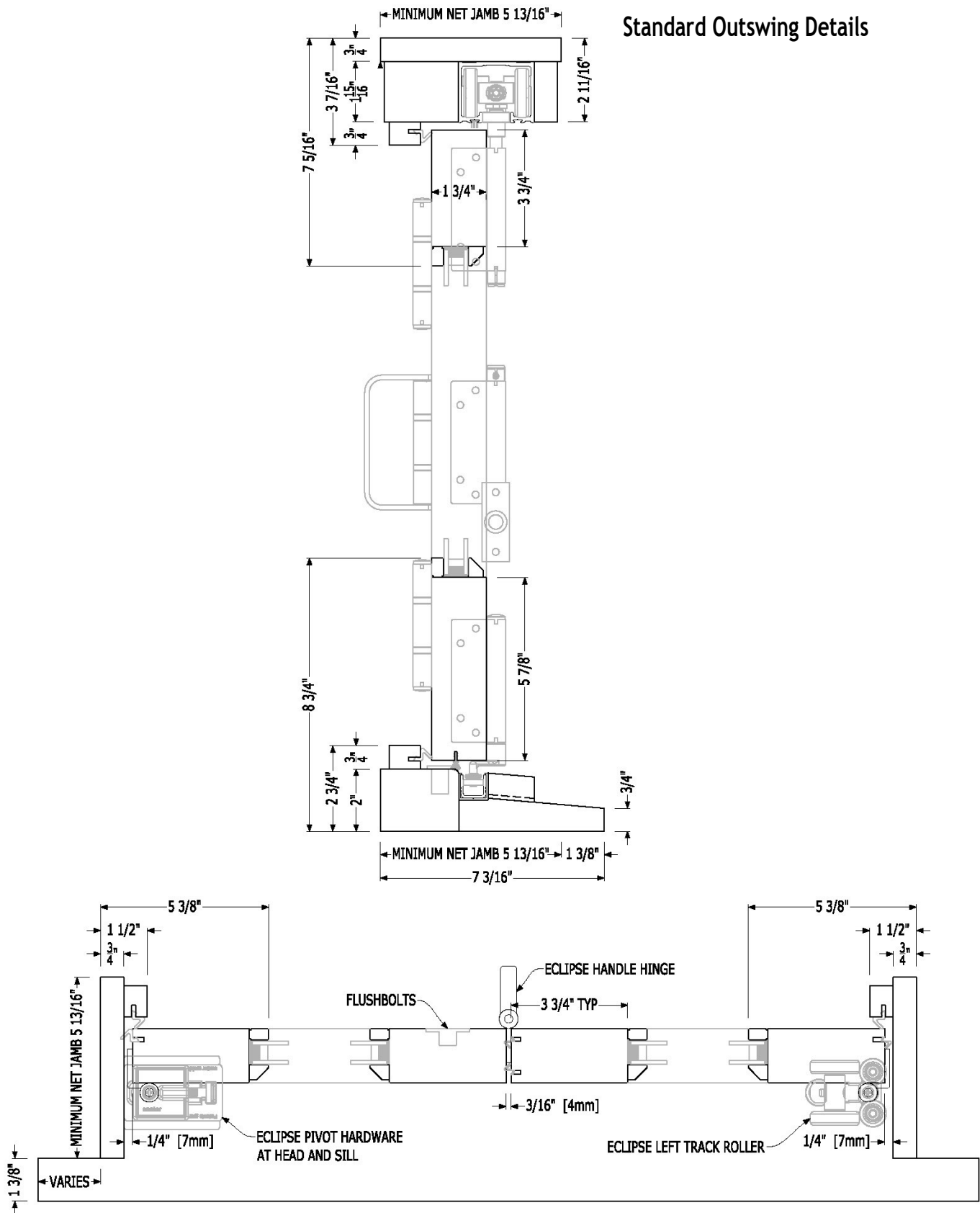
8 left (880)



For more information please contact your Quantum Representative

Slide & Fold Windows & Doors

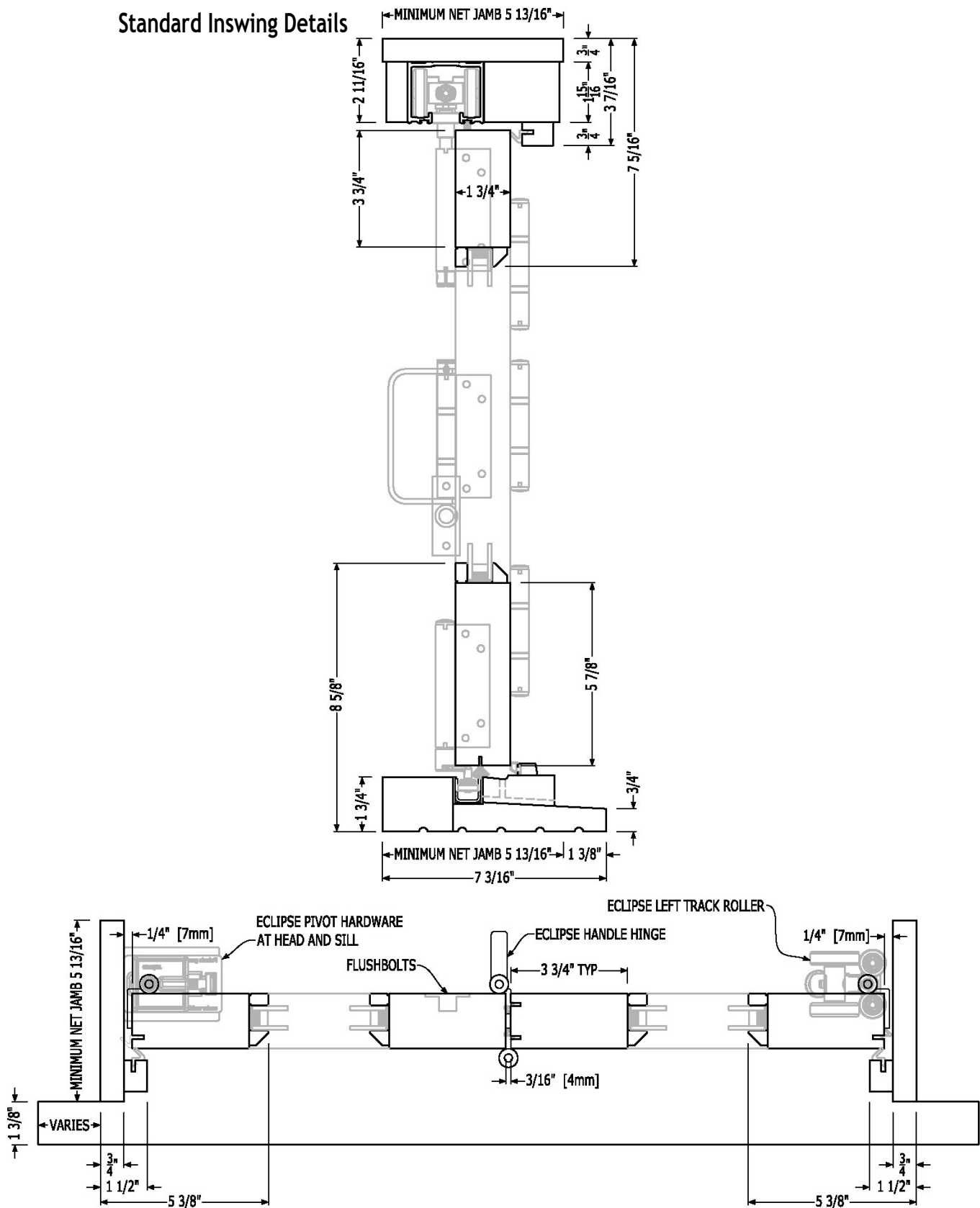
Standard Outswing Details



For more information please contact your Quantum Representative

Slide & Fold Windows & Doors

Standard Inswing Details



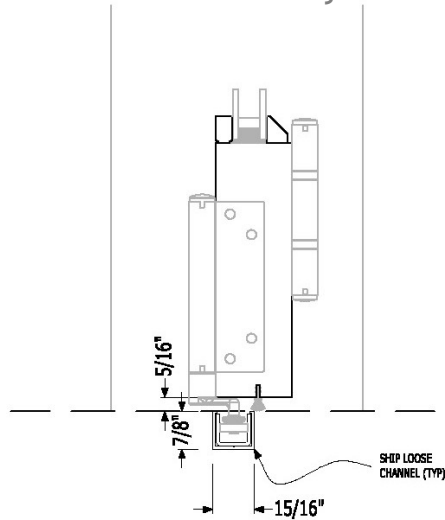
SF-6

For more information please contact your Quantum Representative

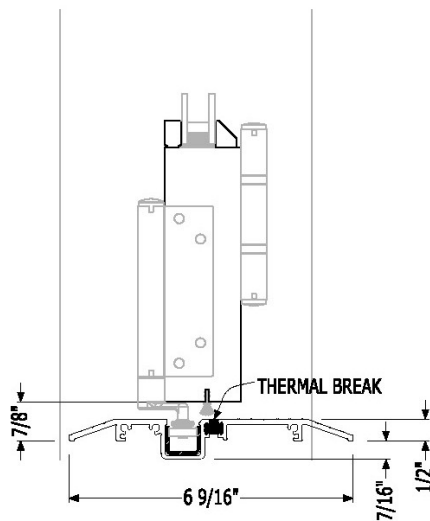
Slide & Fold Windows & Doors

Inswing Sill Options

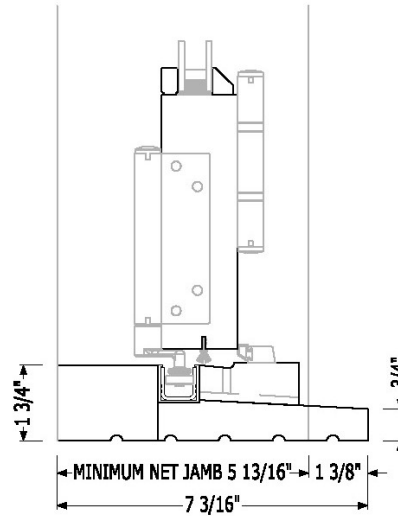
Channel Only



ADA



Wood

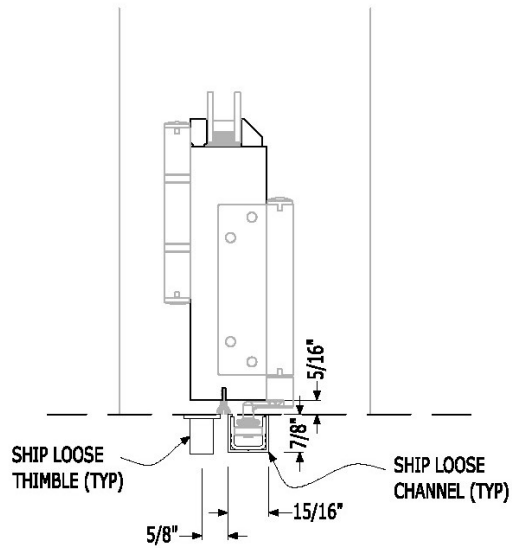


For more information please contact your Quantum Representative

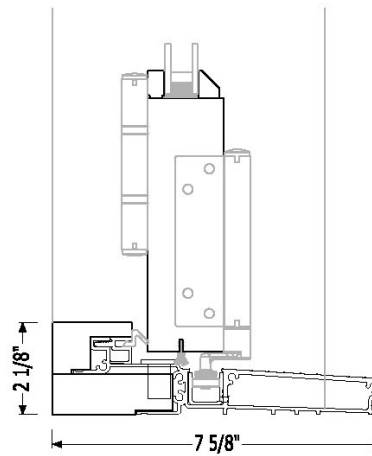
Slide & Fold Windows & Doors

Outswing Sill Options

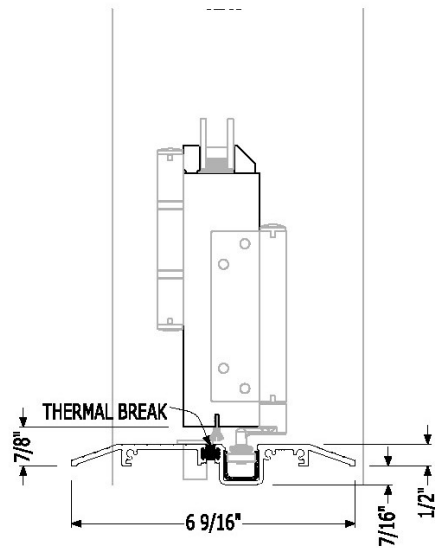
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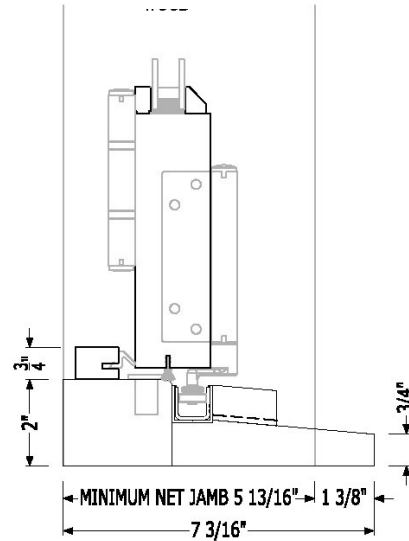
Aluminum



ADA



Wood



Lift & Slide Windows & Doors

Quantum Lift & Slide doors are a popular style for opening up large expanses. A single lever and wheels lift the panel off the sill and away from the weather stripping enabling motion with very little effort. A door weighing up to 880 pounds can be operated with ease.

The **Lift & Slide** door system offers three significant advantages over conventional sliding doors. The doors run on two multi wheel carriages engineered to provide maximum support and incredibly smooth movement. Superior sealing capabilities engage when the door is in the locked position. Dual weather seals at the top, bottom and sides actually become tighter with increased door size.

Lift & Slide doors are designed to resist air and water infiltration better than other sliding door options. Multiple operable door panels slide and overlap each other, opening up amazingly wide spaces. Operable sliding panels combined with fixed panels result in a remarkable number of size and configuration possibilities, including corner units with no post.

In applications where a clad product may be more desirable, we have added **Quantum Clad** to our list of door options. Ask your Quantum Representative about the available styles, colors and pricing.

Styles

- Interior & Exterior Pocketing Doors
- Corner Configurations
- Interior Room Partitions

Options

- Flat & Raised Wood Panels
- Unlimited Glass Options
- Transoms & Sidelites
- Screens
- Interior Profiles



Big Sur, CA
Fougeron Architecture
Joe Fletcher Photography



Lakebay, WA
mw|works architecture+design
Jeremy Bitterman Photography



Olive Township, MI
Lucid Architecture
Eric De Witt, Photo



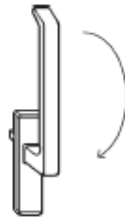
Hermosa Beach, CA
Starr Design Group
Tom Sanders Photography

For more information please contact your Quantum Representative



Lift & Slide Windows & Doors

Operation



To open the door, rotate the handle down 180°. A single lever and wheels lift the panel relative to the sill, taking the pressure off the weather stripping and eliminating drag. The doors run on two multi wheel stainless steel carriage systems which provide support as well as a silky smooth operation.

- Interior lever handle with exterior flush pull standard for primary active panel
- Panels do not require thumb turn or keyed lock unless exterior lever handles are specified
- All active panels must have at least an interior handle to facilitate the lift and slide function

Weather Seals

When the door is closed and the handle is rotated back up 180°, the panels are pulled toward the jamb and lowered onto the sill, engaging dual weather seals at the top, bottom and sides.

- Door sills must be shimmed level within +/- 1/32"

Applications

Lift & Slide doors beautify a large scale opening and they also offer versatility as interior doors where sound control is important. Pocket doors are another popular use for Lift & Slides.

Specification Highlights

Door Panel Width Range - 23-3/8" to 118-1/8" **

Door Panel Height Range - 69-7/8" to 120" + **

Maximum Panel Weight - 880 lbs

Standard/Minimum Stile & Top Rail - 2-7/8"

Standard/Minimum Stile & Bottom Rail - 5-7/8"

Standard/Minimum Door Panel Thickness - 56mm or 68mm

Screen Panel Thickness - 1-1/4" up to 48" in width or 96" in height

Screen Panel Thickness for large panels - 1-3/4" +

**Subject to glass availability

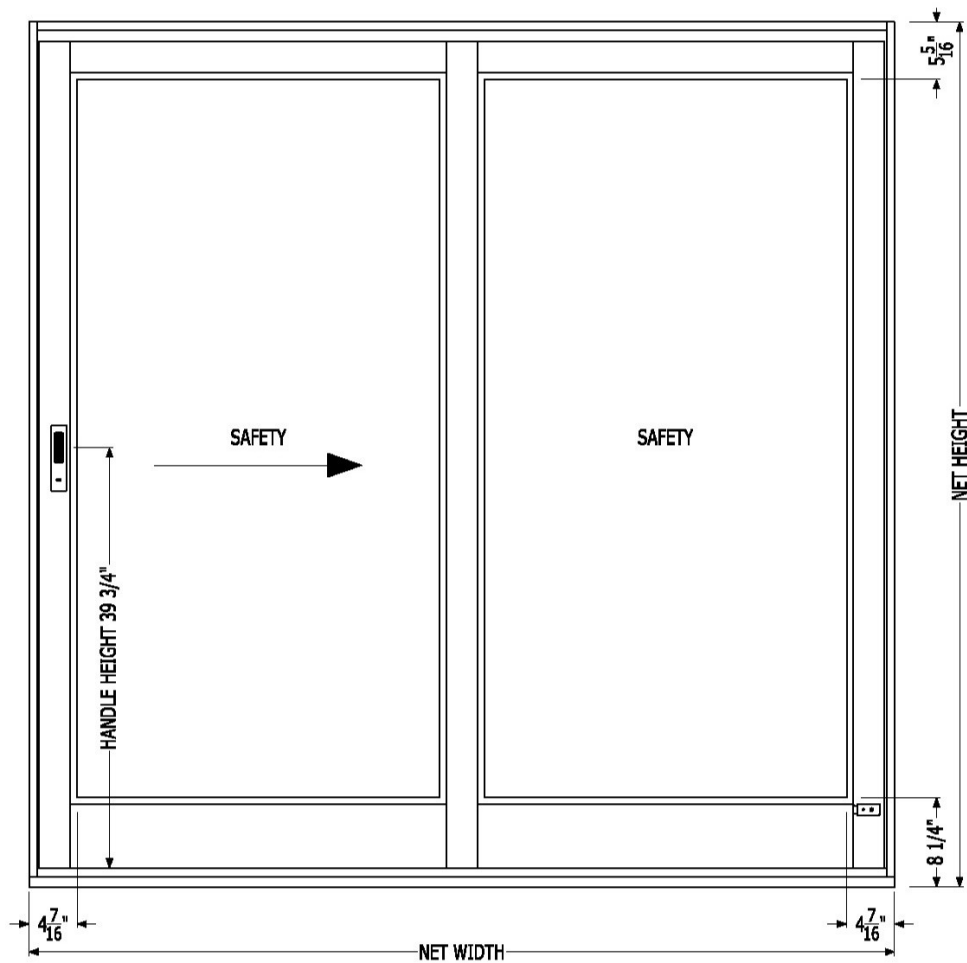


For more information please contact your Quantum Representative

Lift & Slide Windows & Doors

2 Panel Lift & Slide

XO

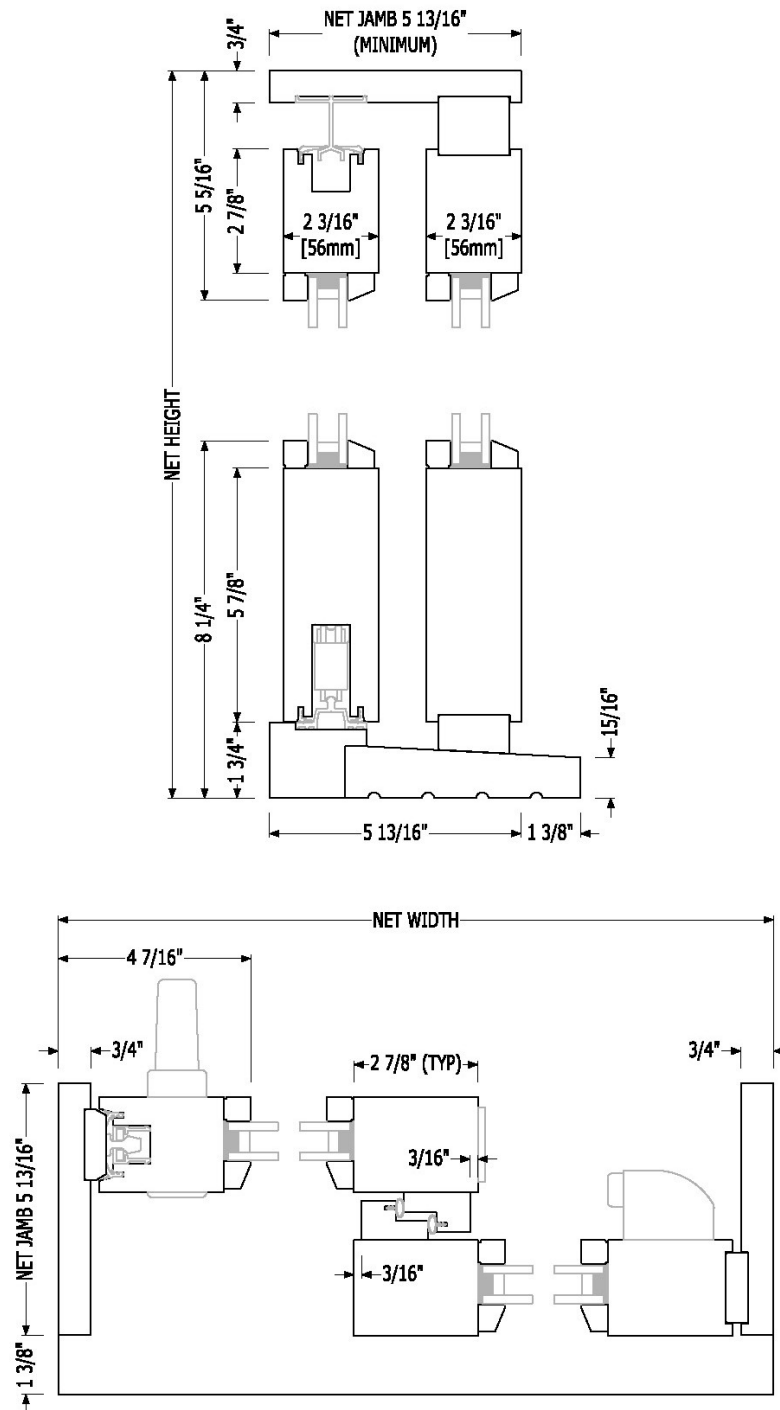


For more information please contact your Quantum Representative

Lift & Slide Windows & Doors

2 Panel Lift & Slide

XO



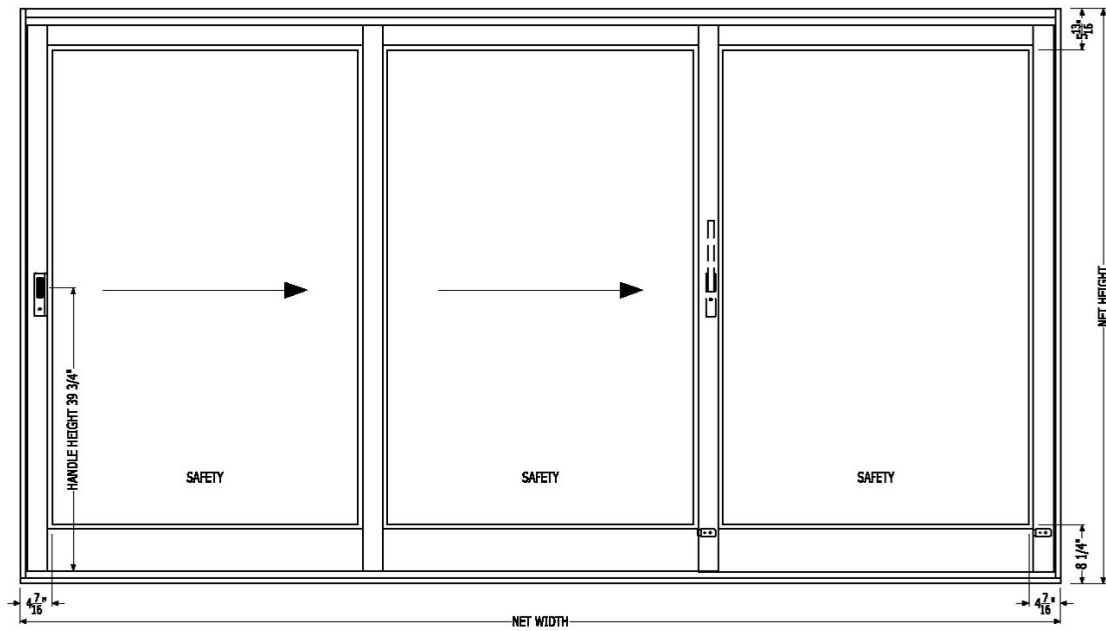
LS-2

For more information please contact your Quantum Representative

Lift & Slide Windows & Doors

3 Panel Lift & Slide

XXO

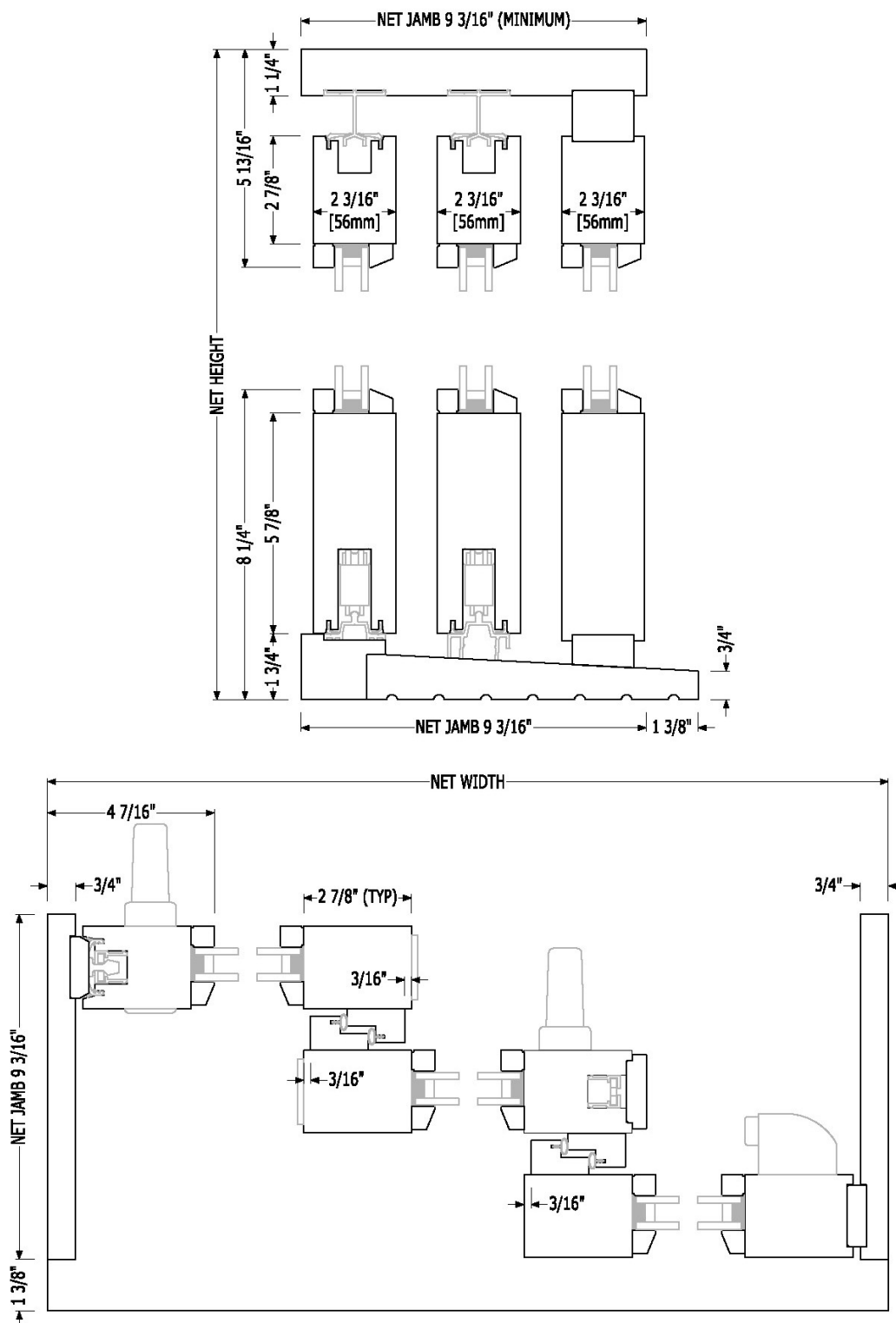


For more information please contact your Quantum Representative

Lift & Slide Windows & Doors

3 Panel Lift & Slide

XXO



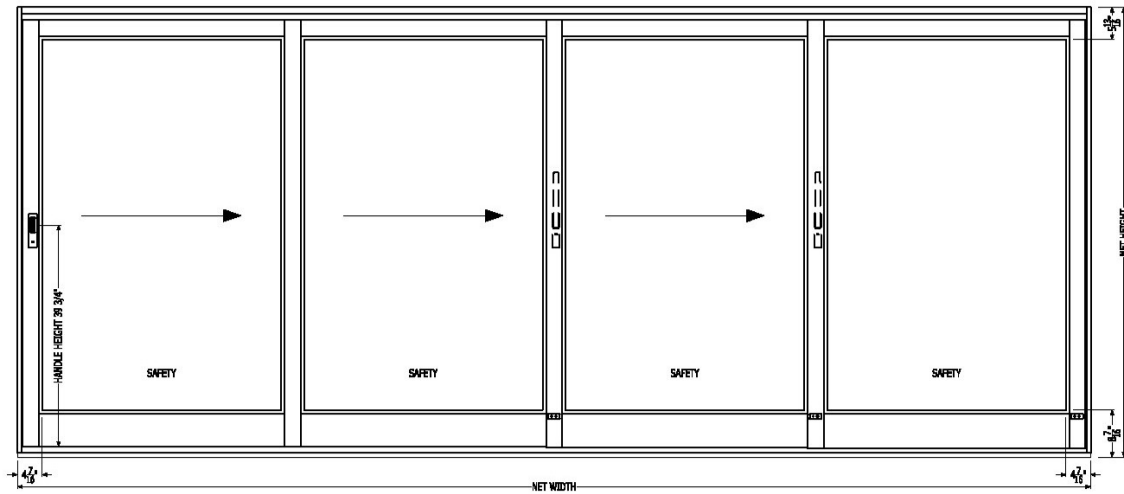
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For more information please contact your Quantum Representative

Lift & Slide Windows & Doors

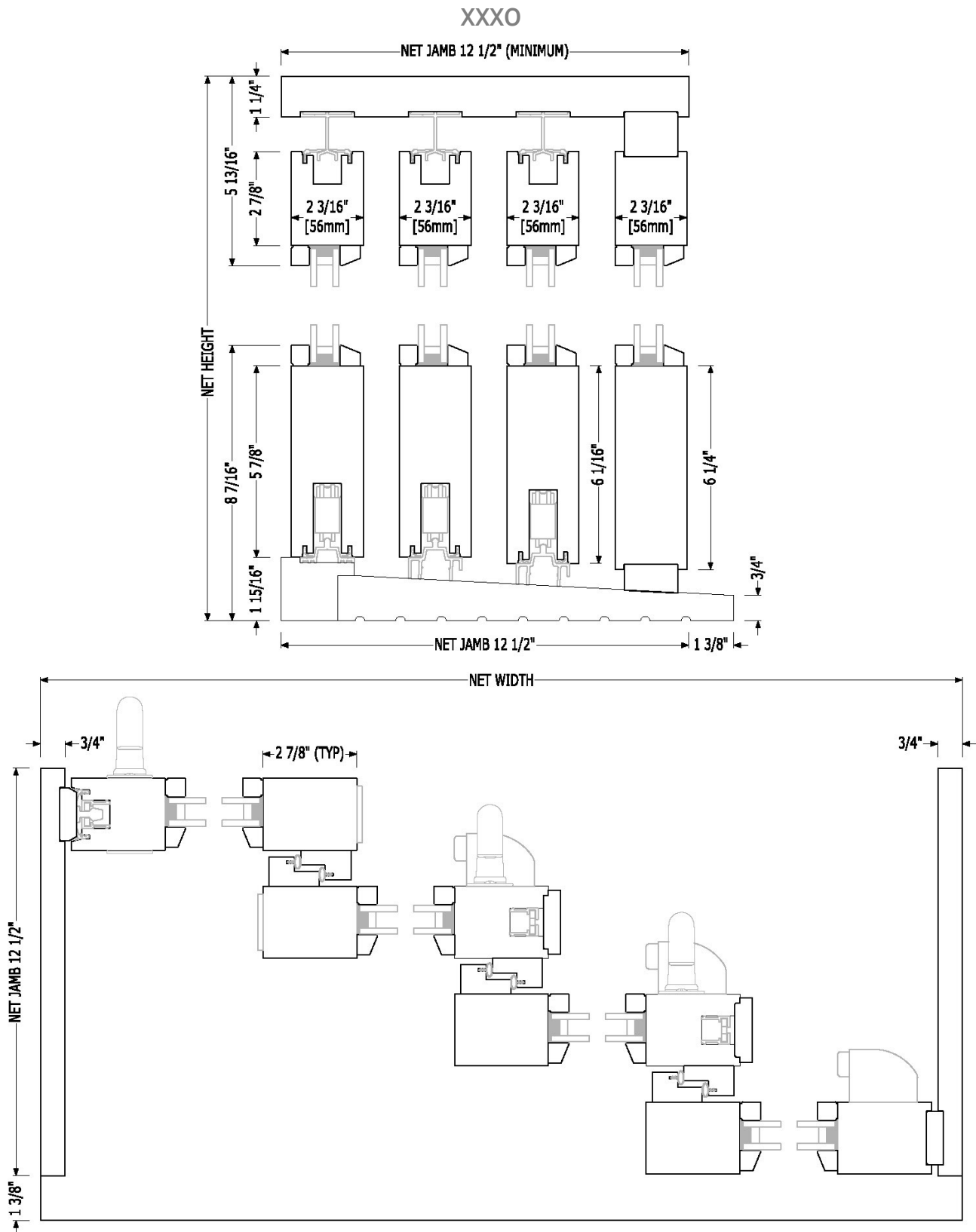
4 Panel Lift & Slide

XXXO



For more information please contact your Quantum Representative

4 Panel Lift & Slide



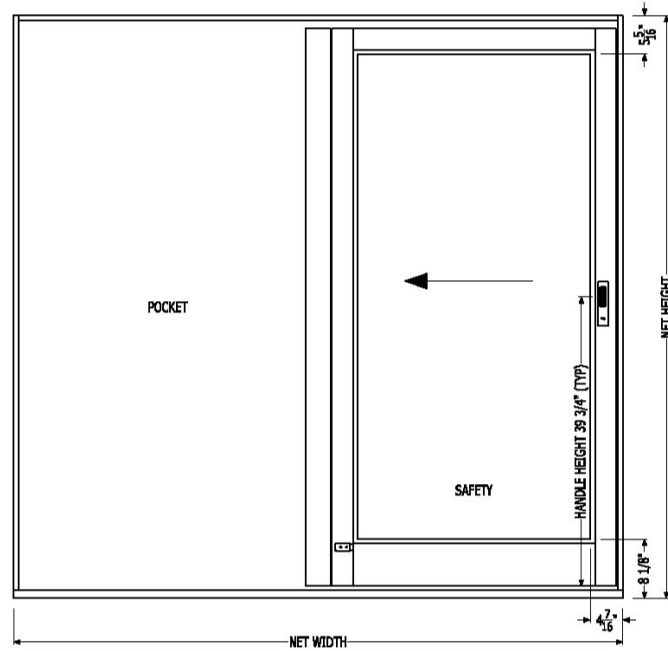
LS-6

For more information please contact your Quantum Representative

Lift & Slide Windows & Doors

1 Panel Pocketing Lift & Slide

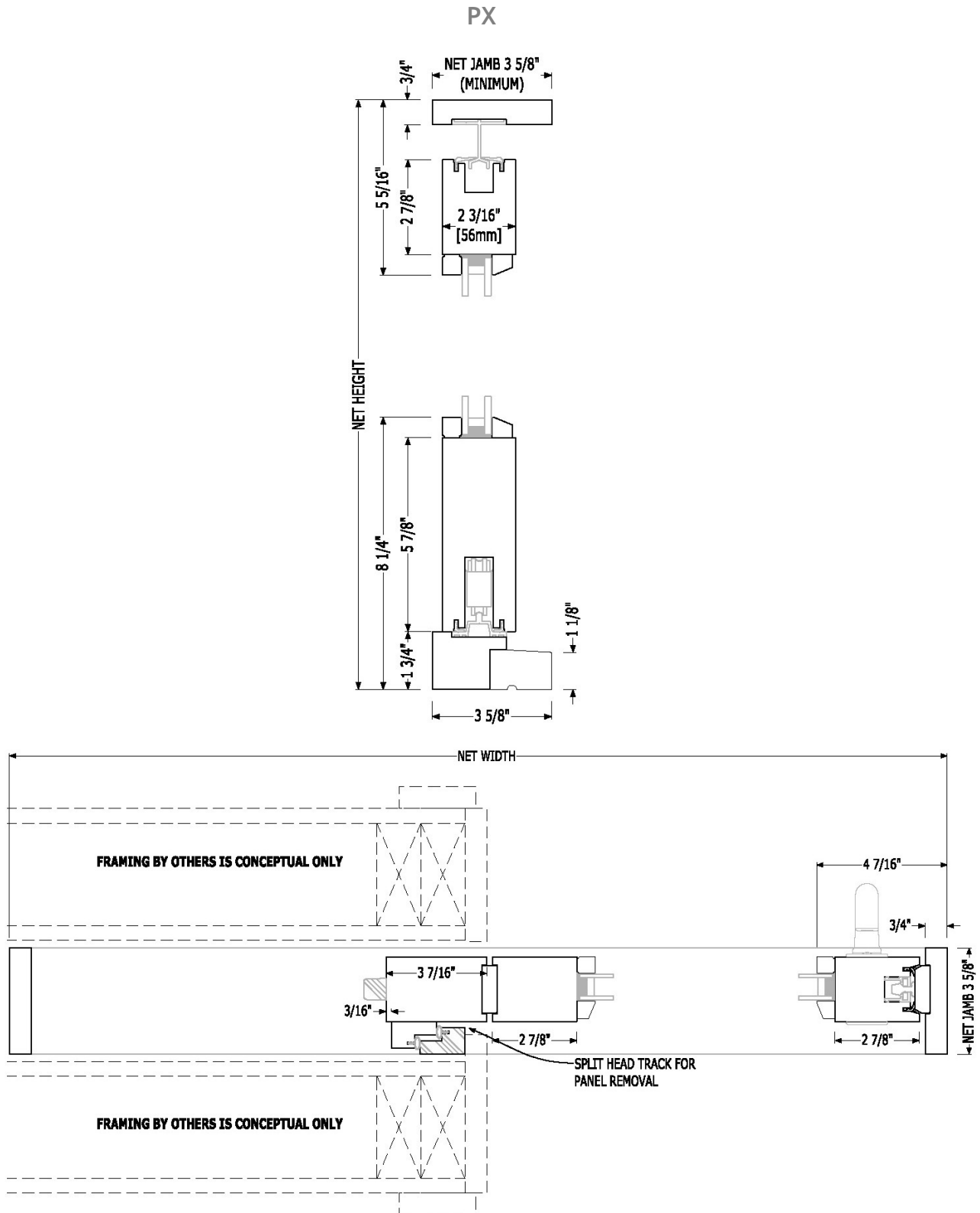
PX



For more information please contact your Quantum Representative

Lift & Slide Windows & Doors

1 Panel Pocketing Lift & Slide

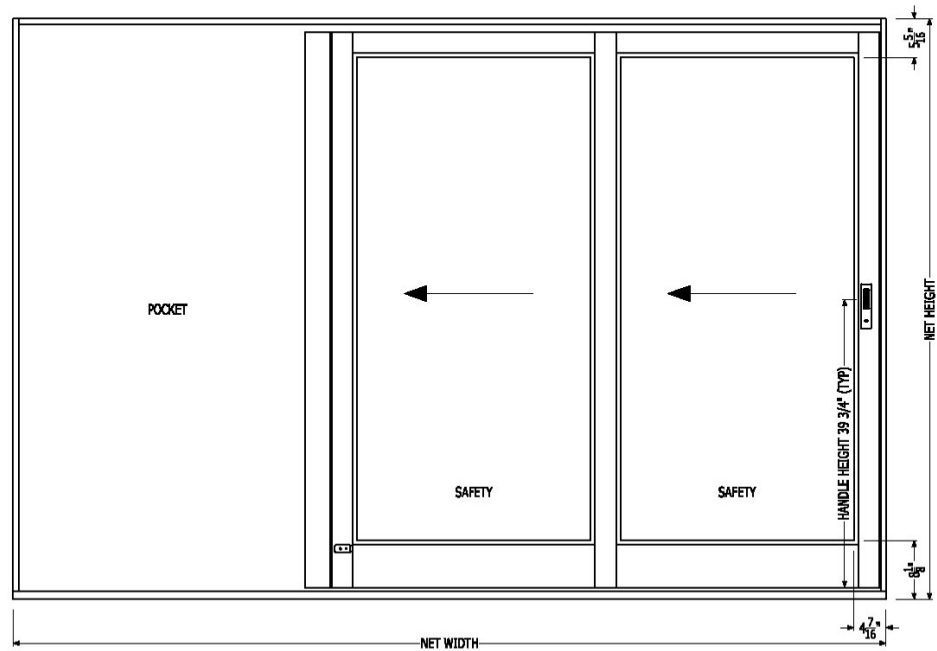


For more information please contact your Quantum Representative

Lift & Slide Windows & Doors

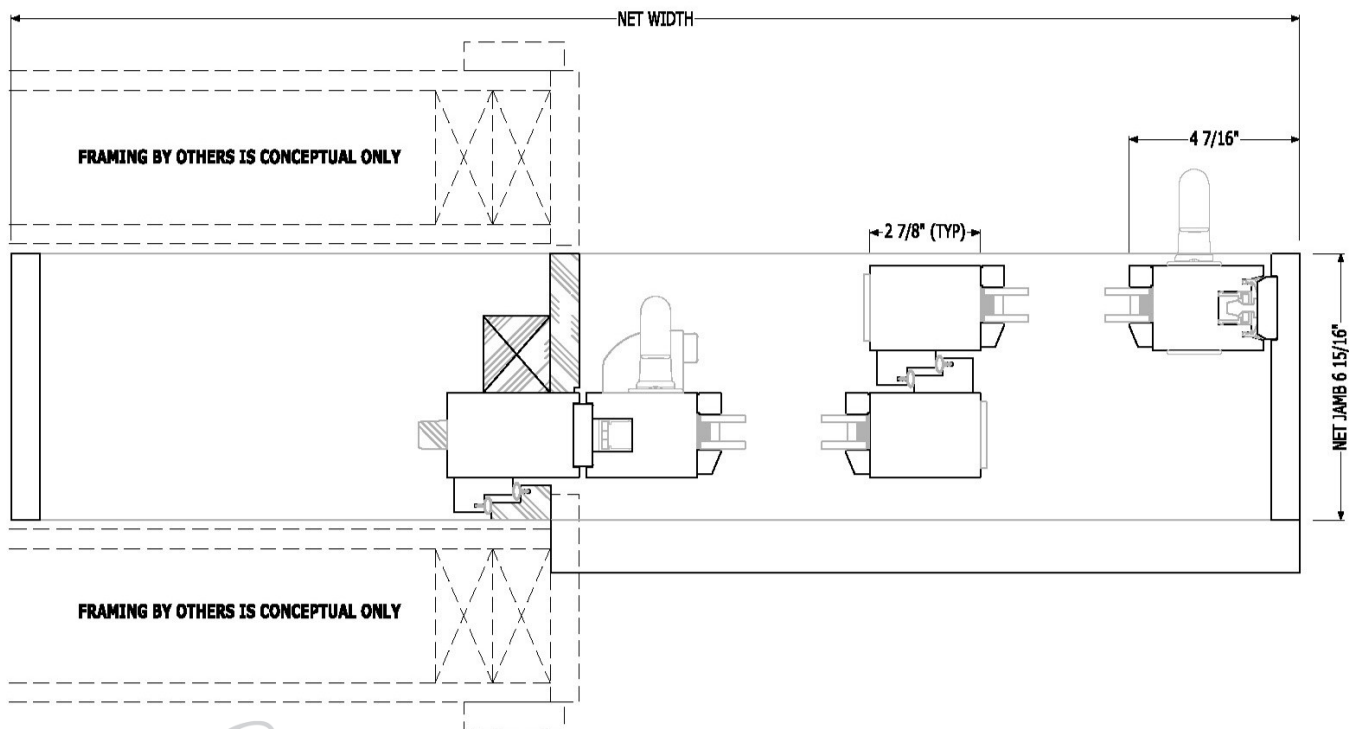
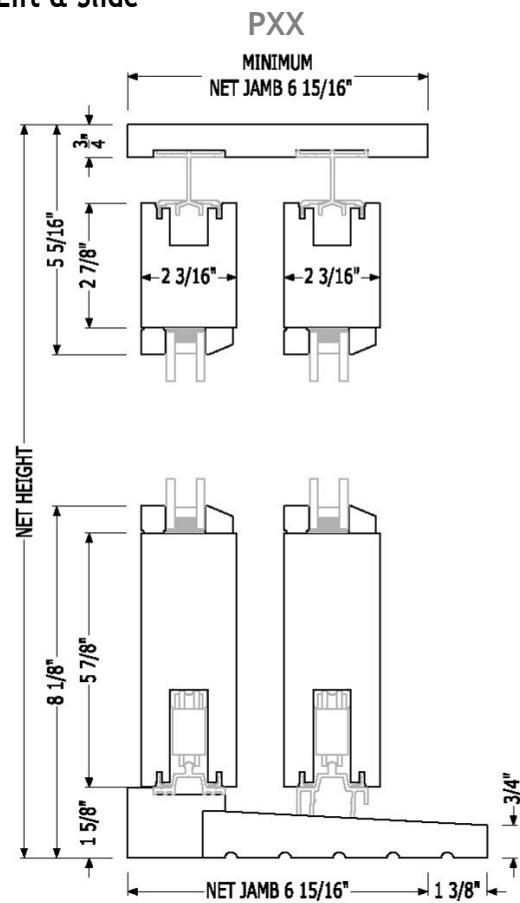
2 Panel Pocketing Lift & Slide

PPX



For more information please contact your Quantum Representative

2 Panel Pocketing Lift & Slide

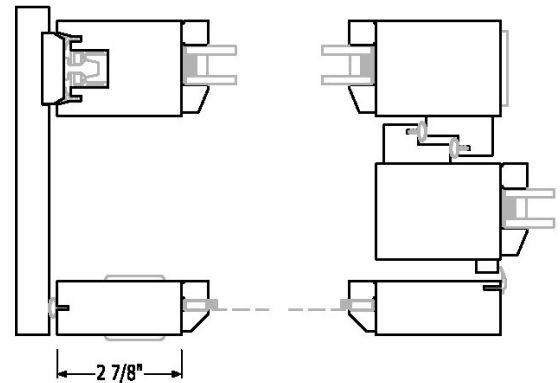
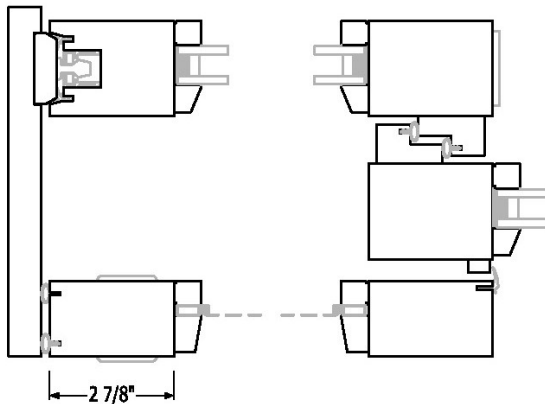
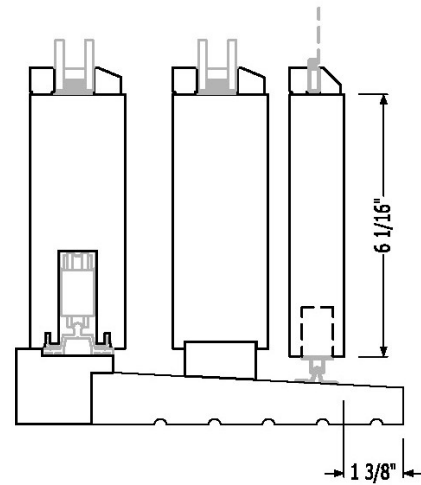
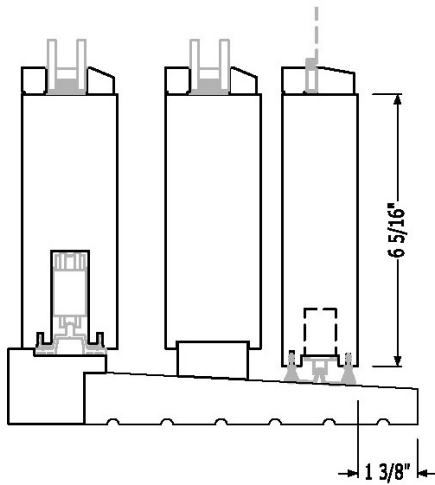
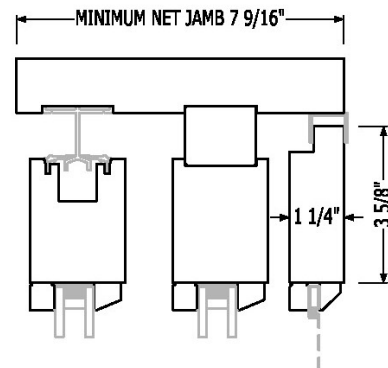
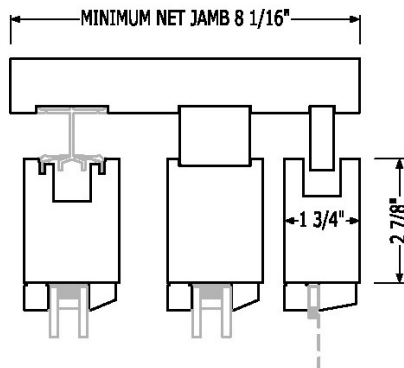


LS-10

For more information please contact your Quantum Representative

Lift & Slide Windows & Doors

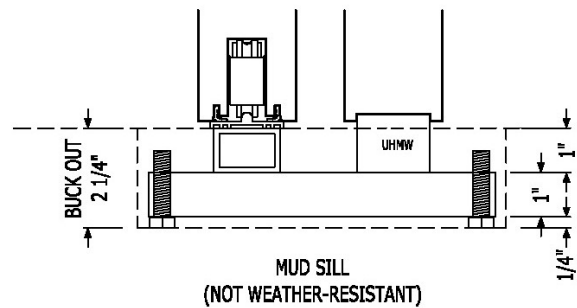
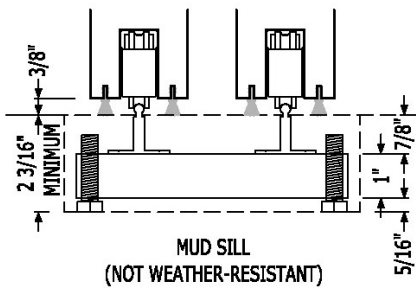
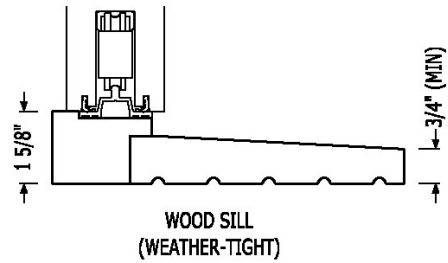
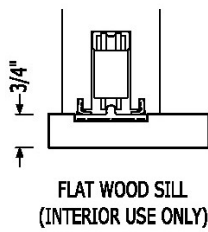
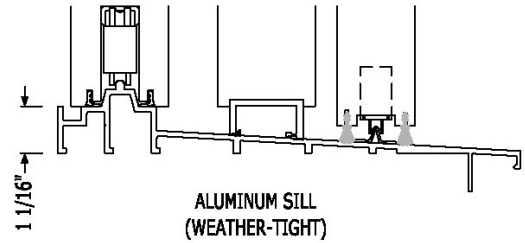
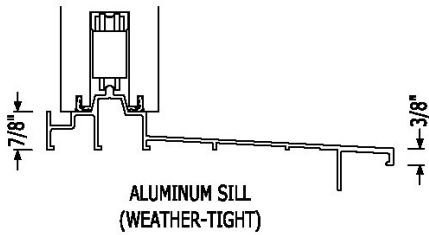
Screen Options



For more information please contact your Quantum Representative

Lift & Slide Windows & Doors

Sill Options



Quantum Clad



Over 30 years of building exceptionally innovative wood windows and doors has inspired the development of **Quantum Clad**, a truly integrated window and door solution that is made for the design challenges of modern architects and builders.

Quantum Clad products are built with the same hand selected, grain and color matched wood that has set the standard for the quality for which we are known.

We believe that it is attention to details that continue to define the Quantum name.

Quantum Clad proudly continues that tradition.

Design Flexibility

Quantum Clad's proprietary stile and rail construction allows uncompromised flexibility with regards to design, size, alignment and functionality. Whether you're looking for window walls with narrow sight lines, oversized window operation or exceptionally large Lift & Slide Doors, **Quantum Clad** allows you to create what your imagination has seen.

Premium Woods, European Clad & Exceptional Craftsmanship

From our wood selection process and exceptional joinery, to performance oriented glass fabrication and finishing, every job is engineered to exceed your expectations on every level. Beginning with CAD drawings, each project is reviewed by a design team to make sure that we have considered every aspect of your project. Our finish is applied before our heavy gauge (.0625") aluminum clad is surface mounted using Teflon clips. During production, every product will pass through at least five quality control checks before it arrives in final finish and loaded on the truck. The net result of this process is a product that redefines the standard of performance and design.



Minneapolis, MN
Olson Sundberg Kundig Allen Architects
Karen Melvin Photography



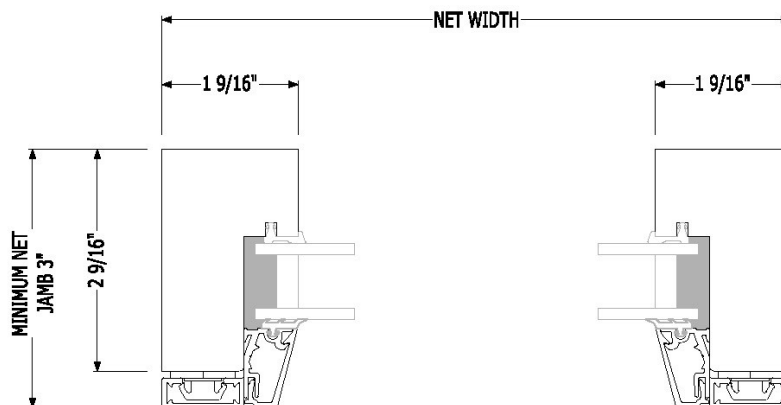
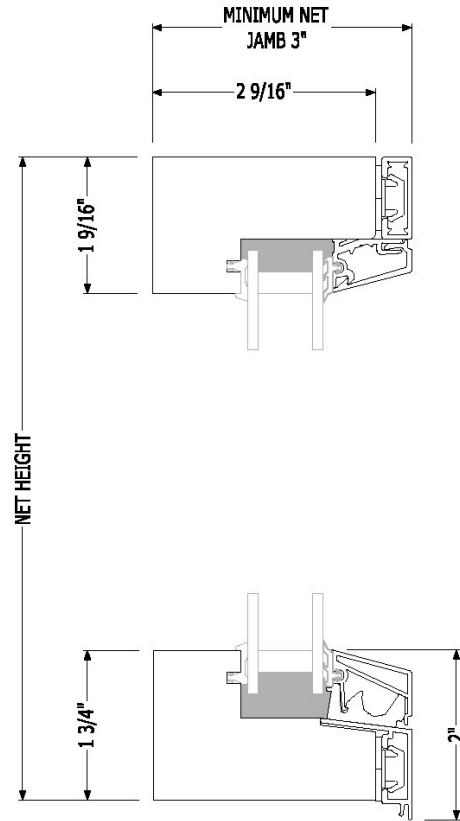
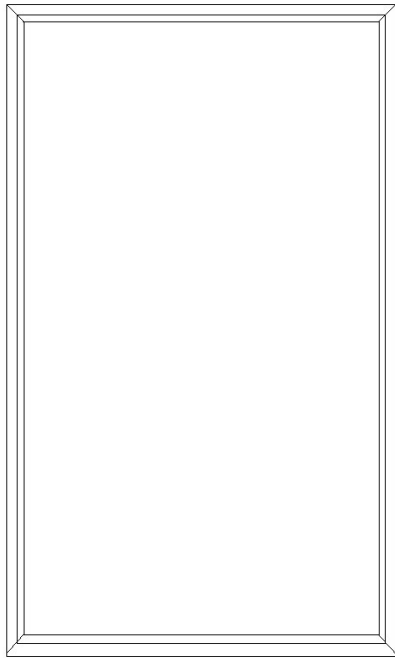
Sagle, ID
Balance Associates Architects
David Duncan Livingston Photography

For more information please contact your Quantum Representative



Quantum Clad

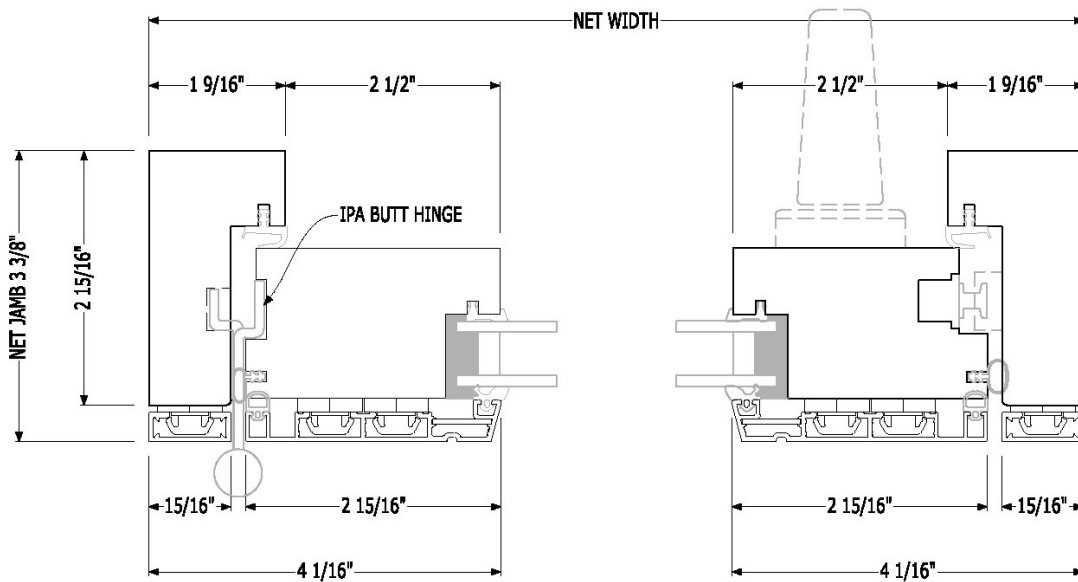
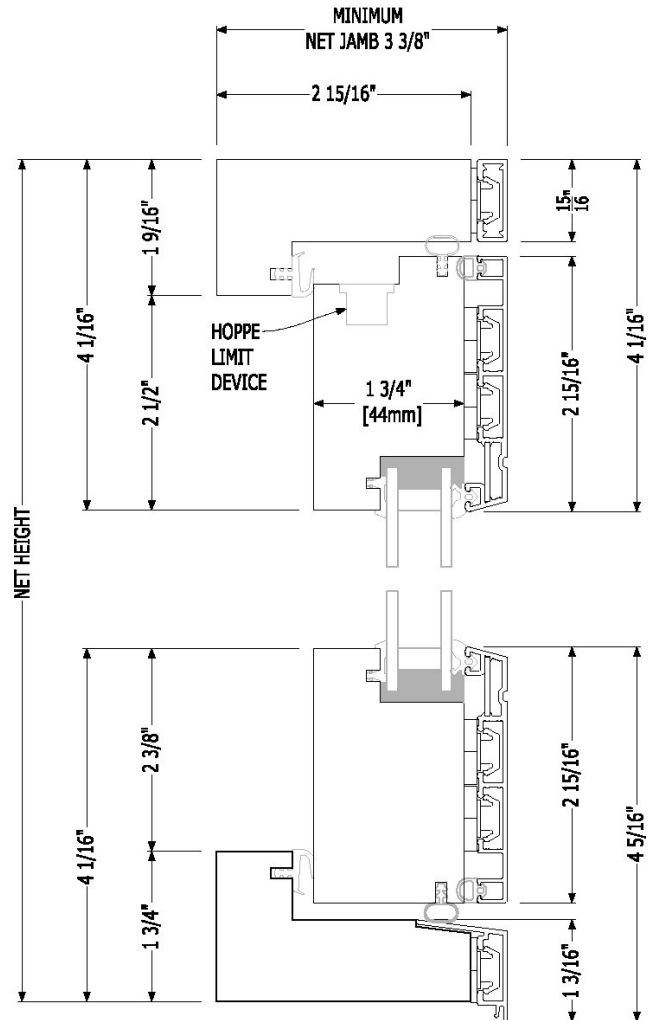
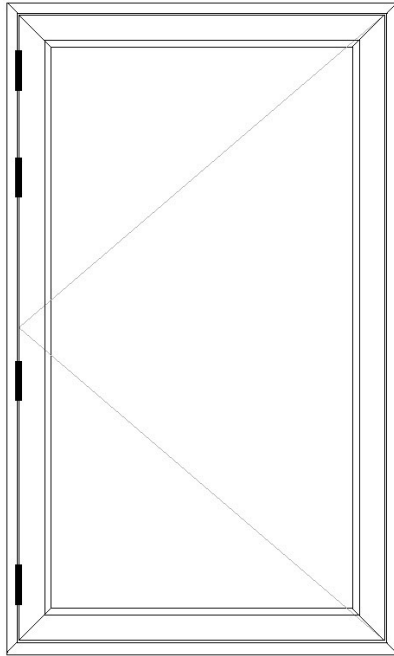
Clad Window - Direct Glazed



For more information please contact your Quantum Representative

Quantum Clad

Clad Window - Multi Point (Egress)

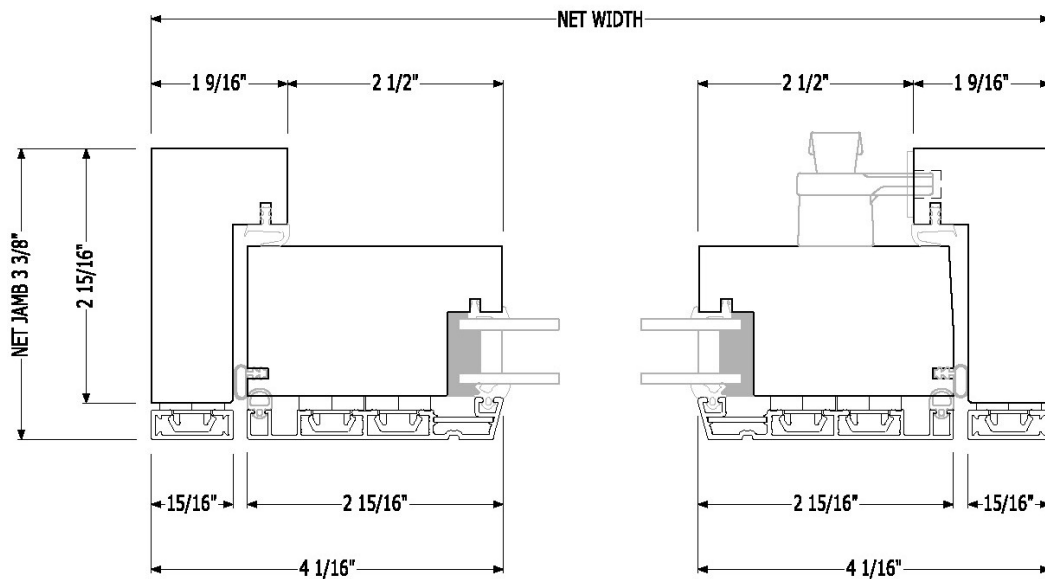
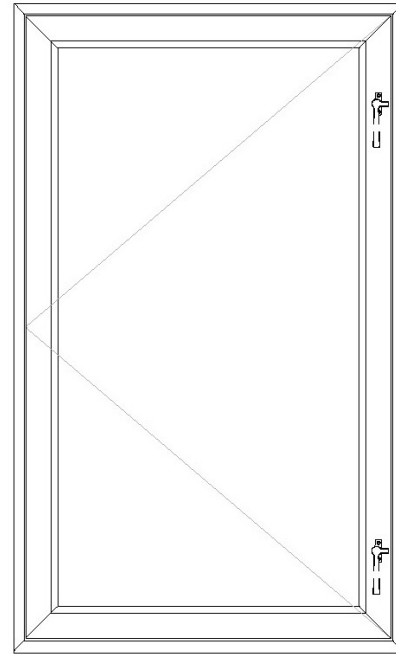
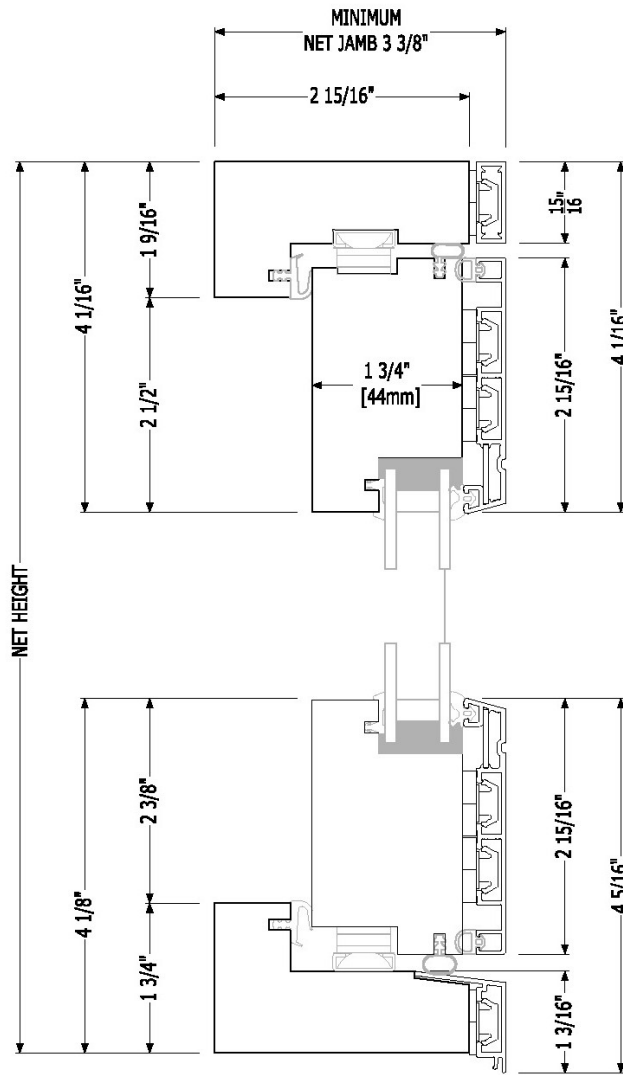


QC-2

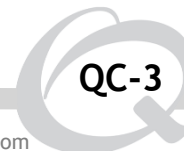
For more information please contact your Quantum Representative

Quantum Clad

Clad Window - Push Out Casement

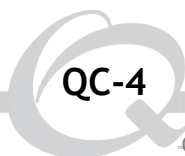
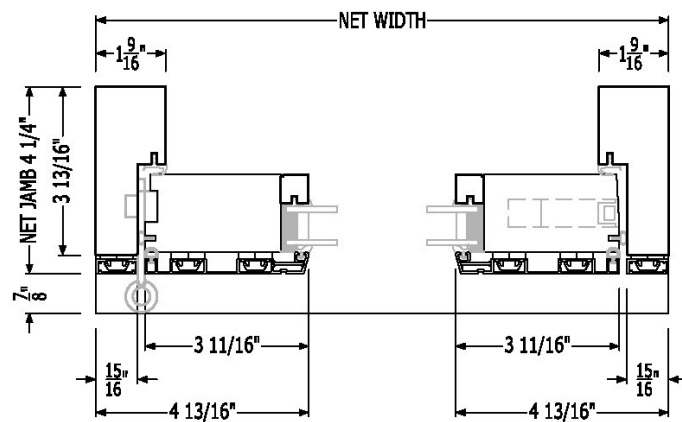
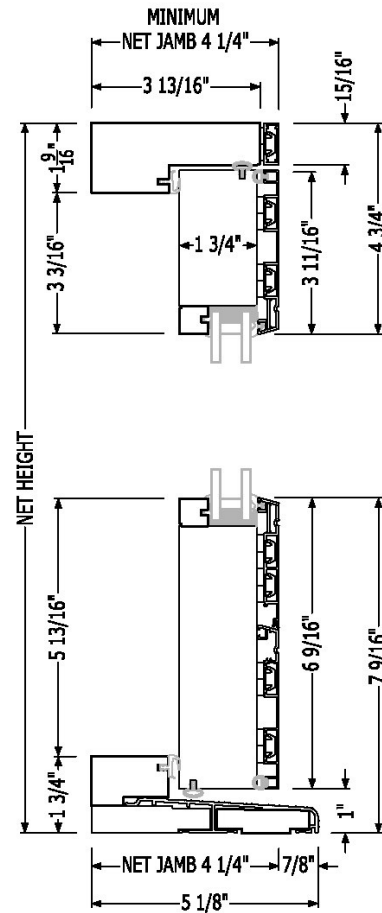
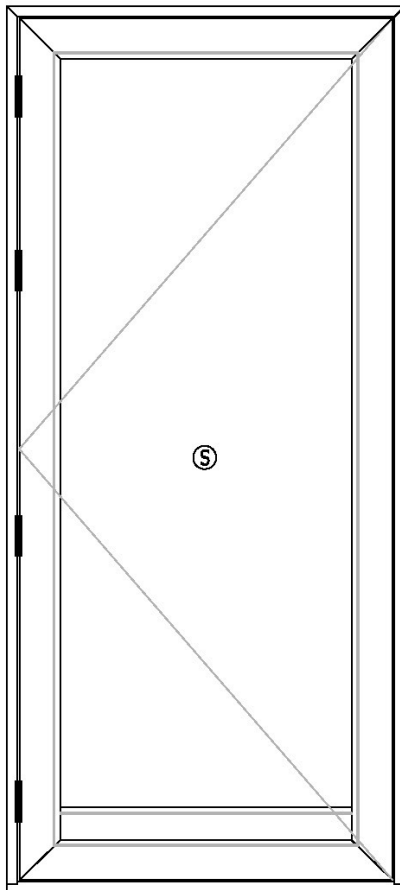


For more information please contact your Quantum Representative



Quantum Clad

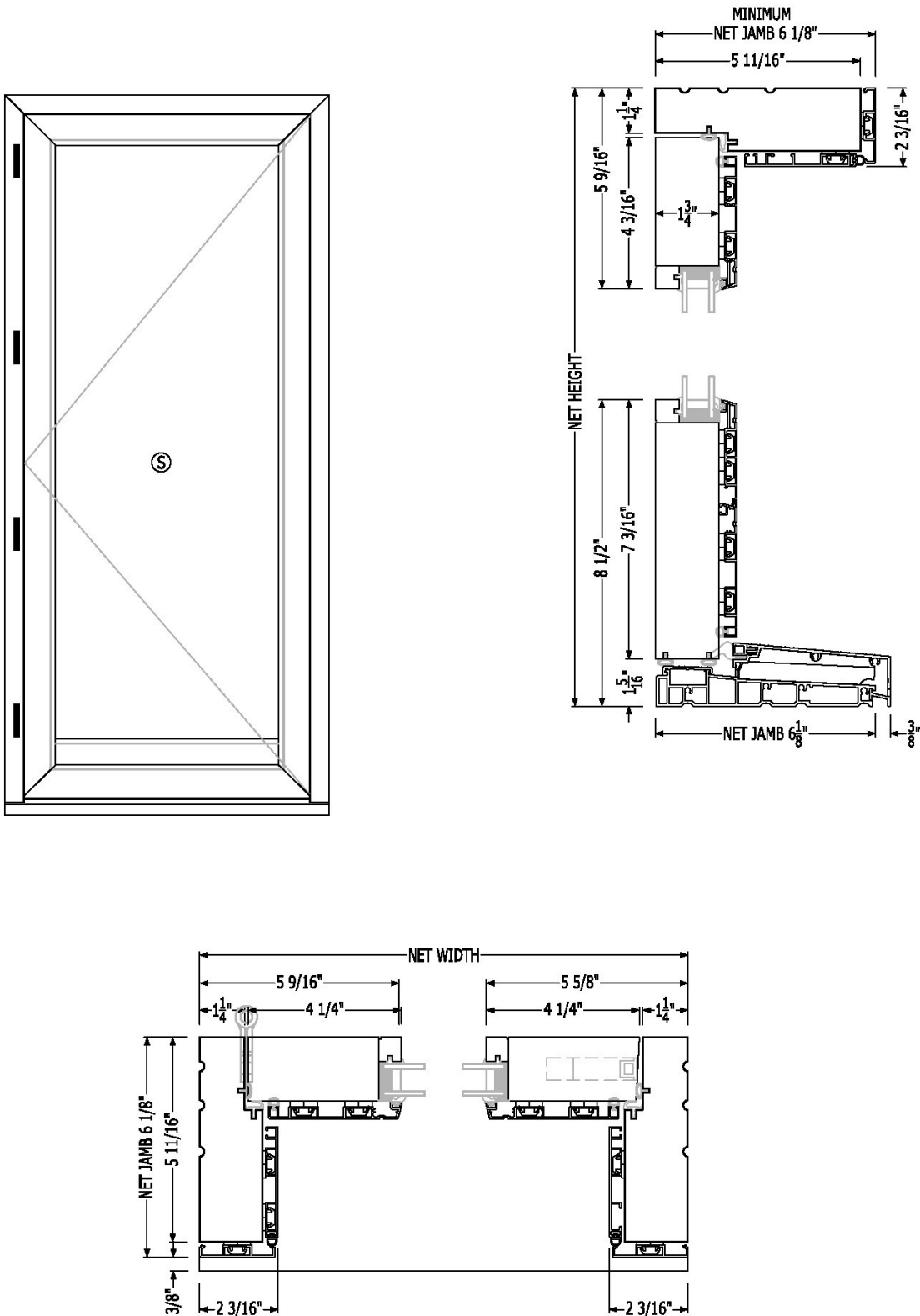
Clad Door - Single Outswing



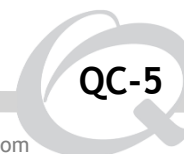
For more information please contact your Quantum Representative

Quantum Clad

Clad Door - Single Inswing

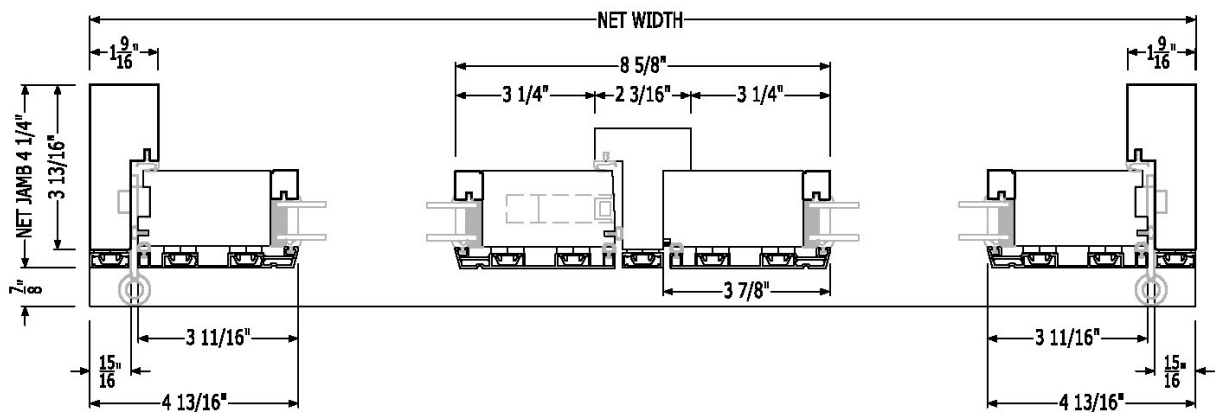
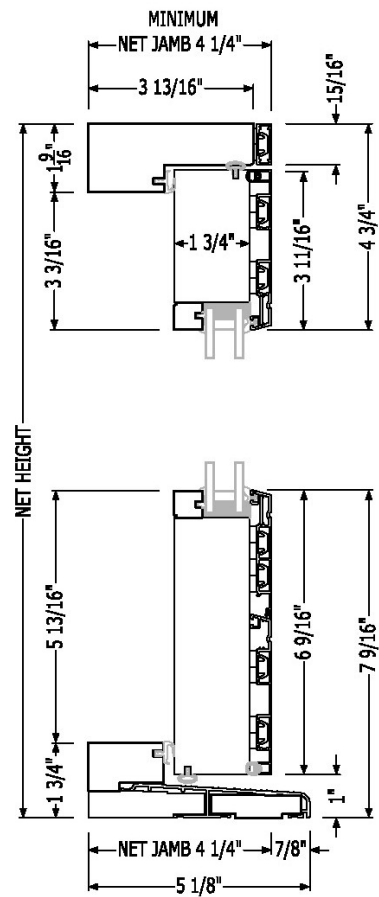
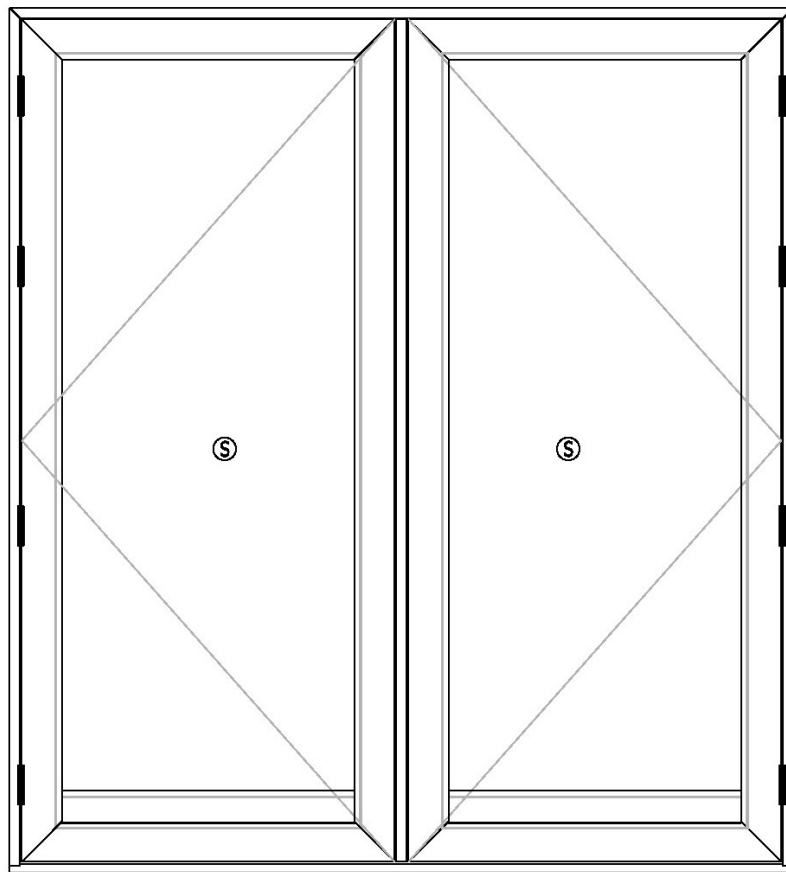


For more information please contact your Quantum Representative



Quantum Clad

Clad Door - Double Outswing

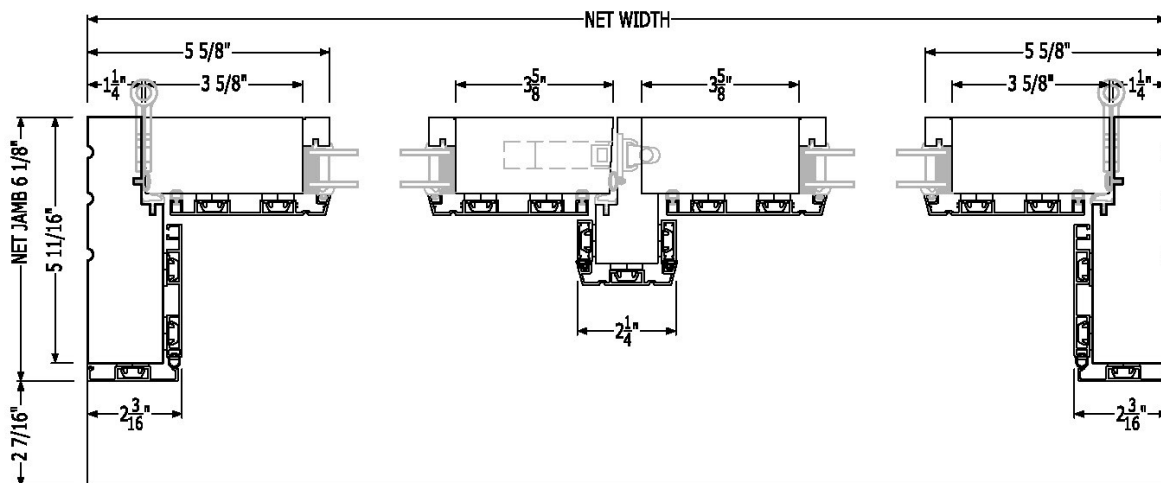
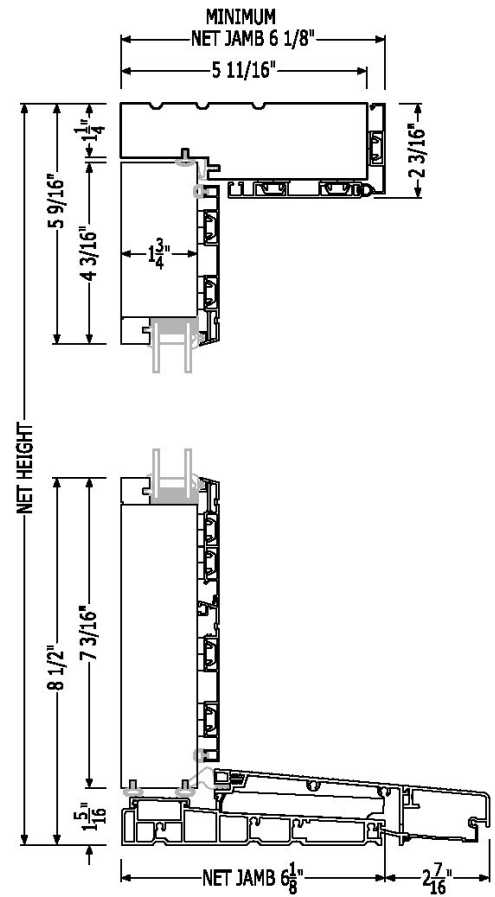
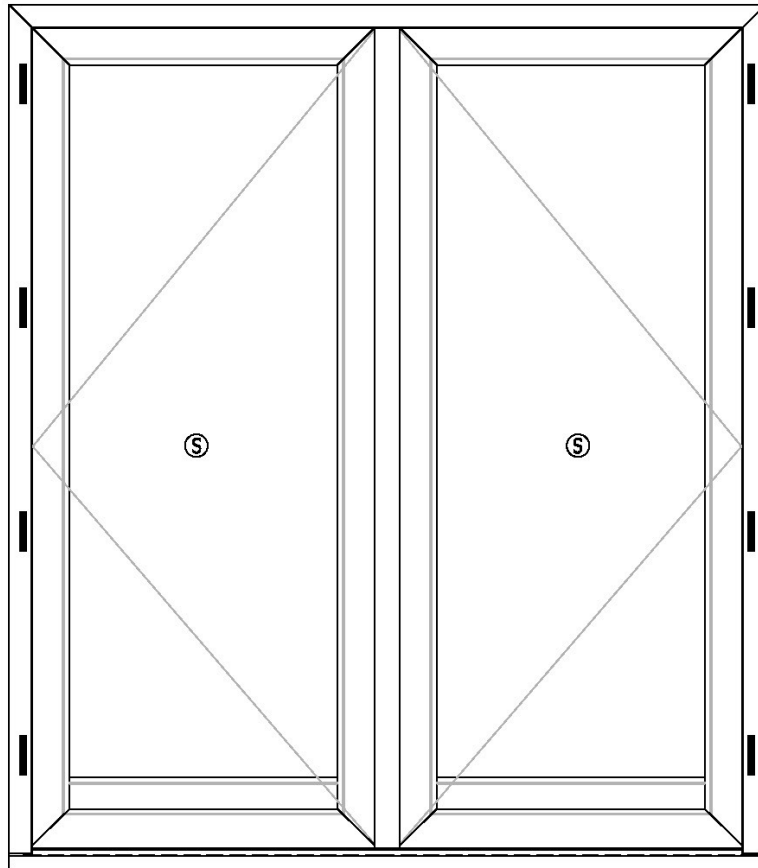


QC-6

For more information please contact your Quantum Representative

Quantum Clad

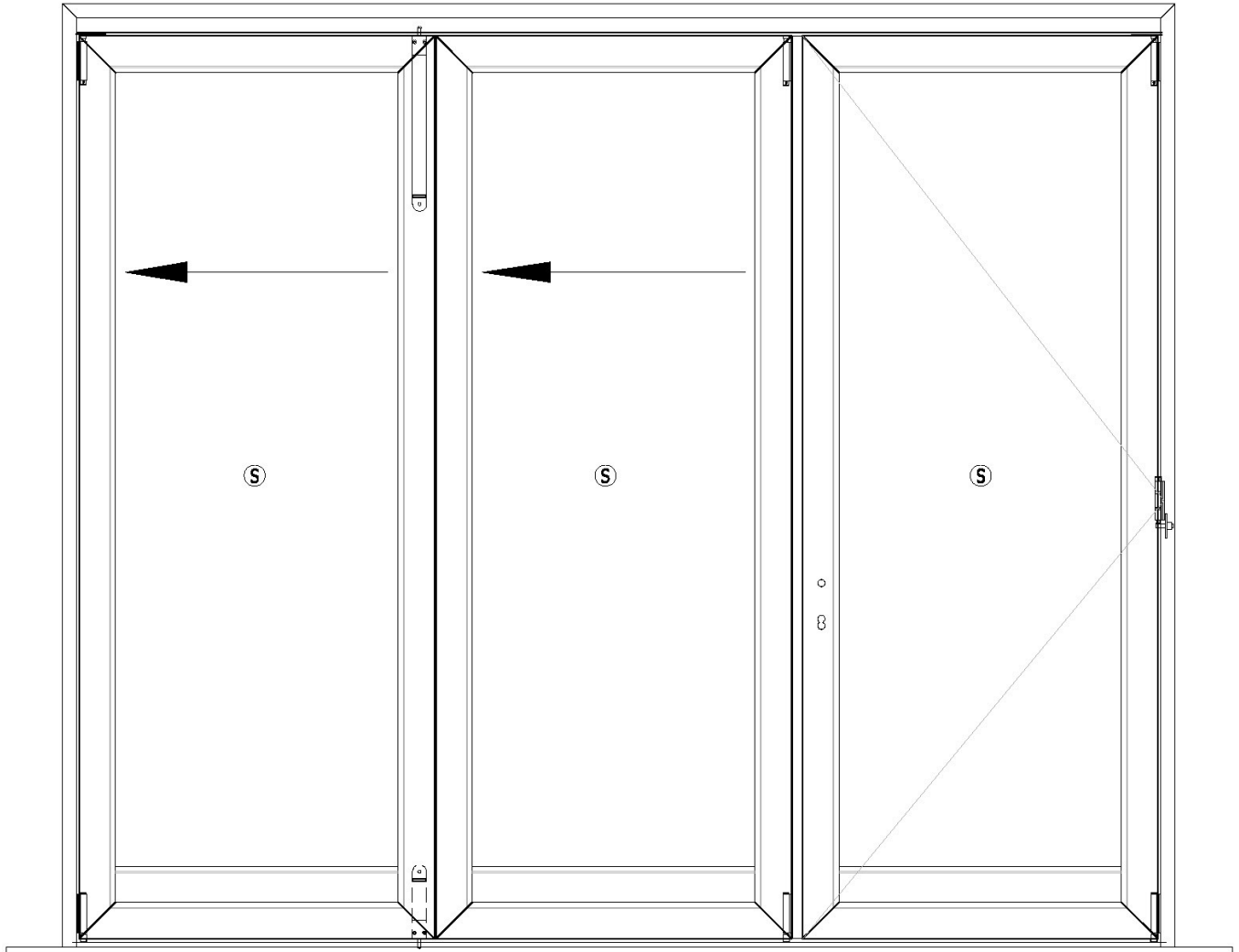
Clad Door - Double Inswing



For more information please contact your Quantum Representative

Quantum Clad

Clad Slide & Fold Door Windows & Doors

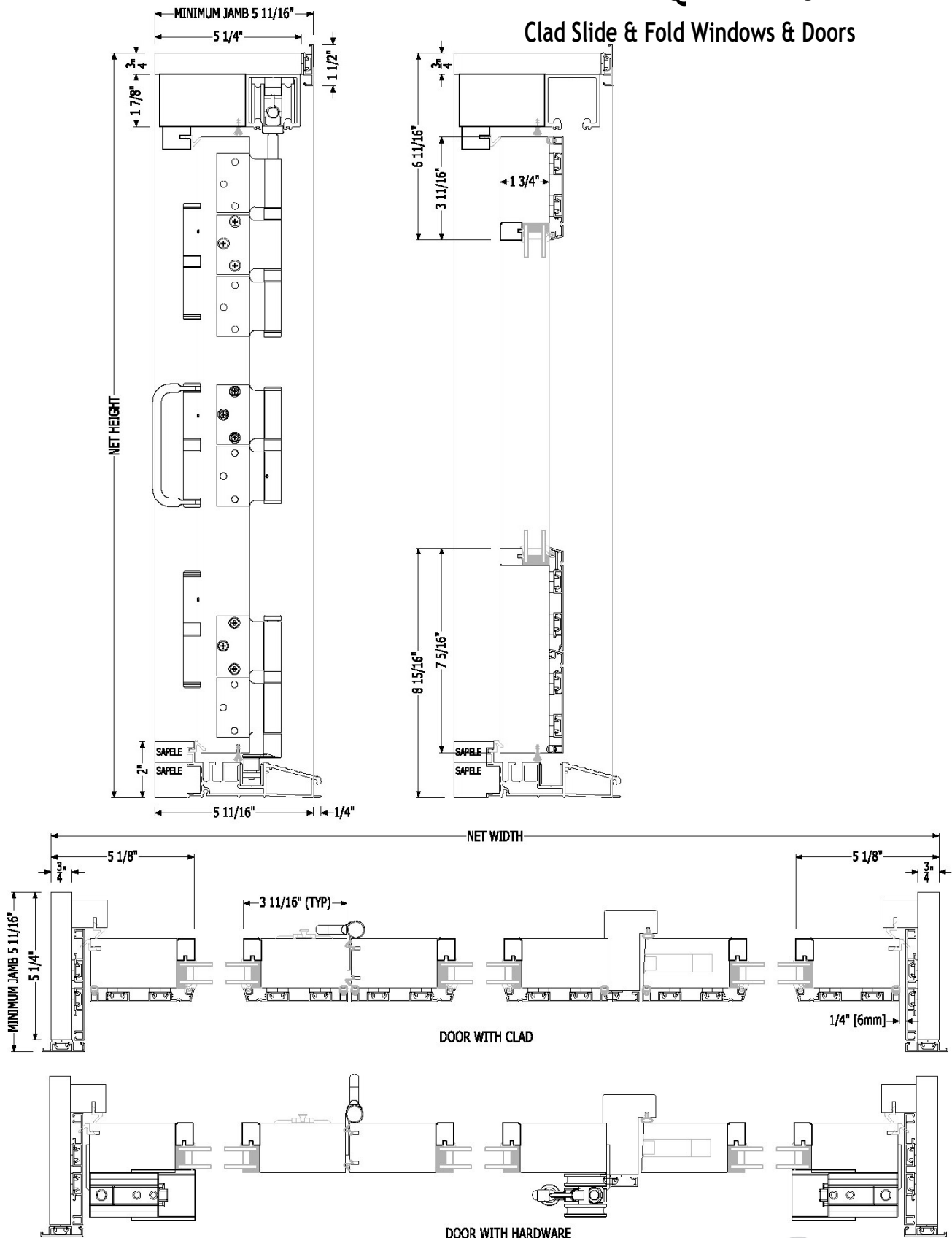


***Currently only available in outswing**



For more information please contact your Quantum Representative

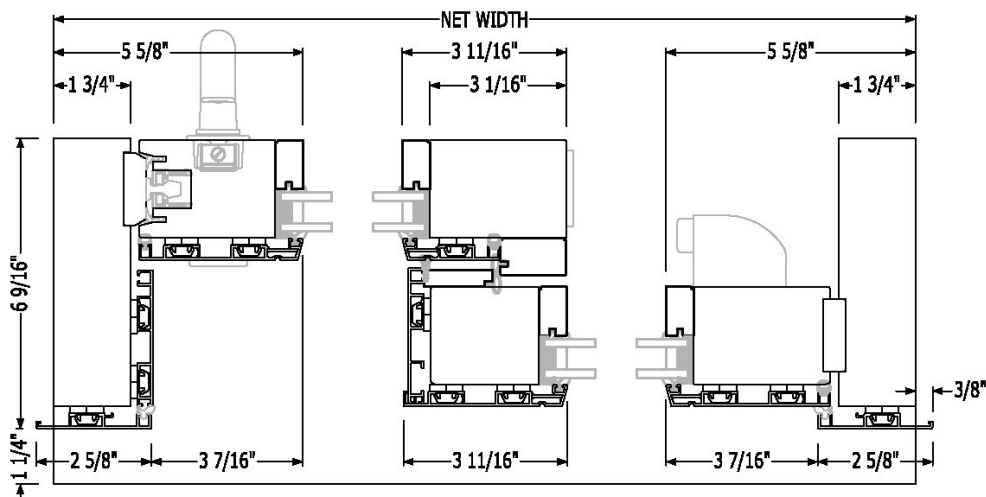
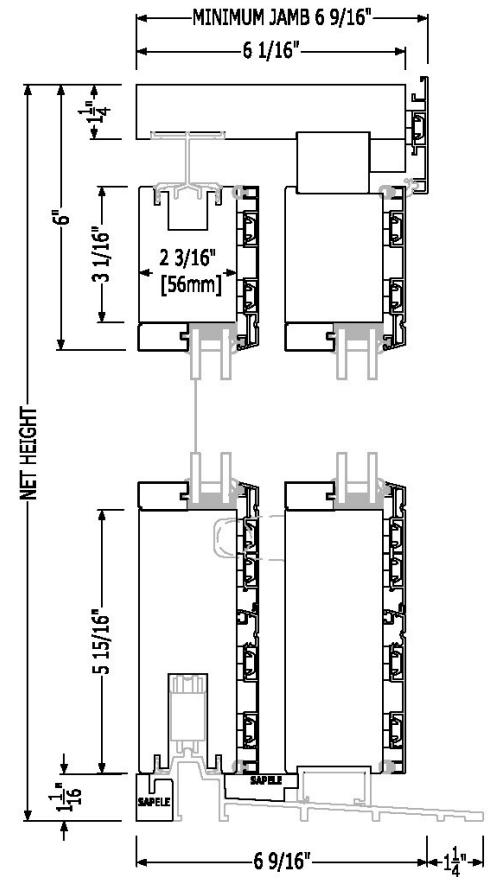
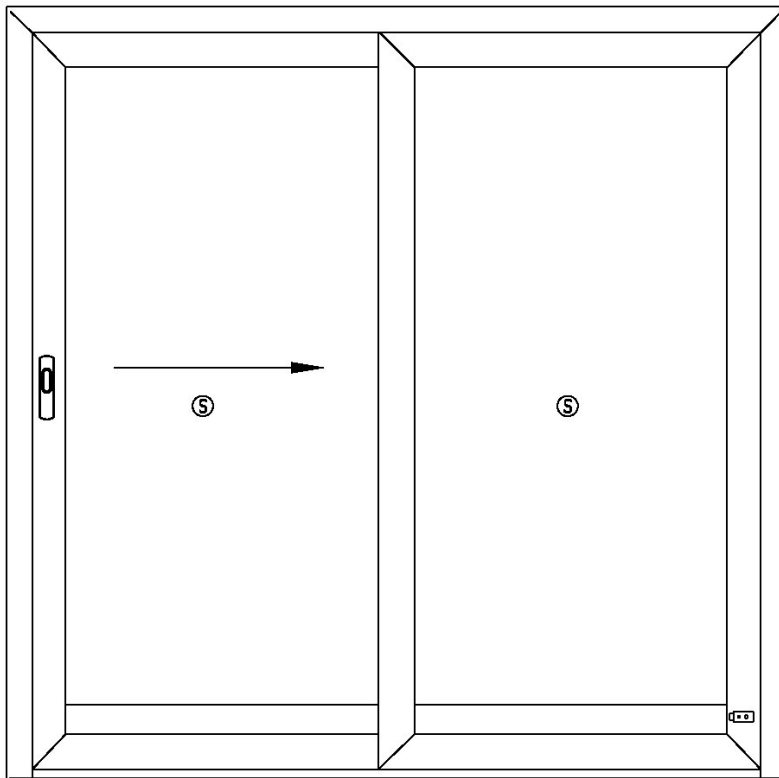
Clad Slide & Fold Windows & Doors



For more information please contact your Quantum Representative

QC-9

Clad Lift & Slide Windows & Doors



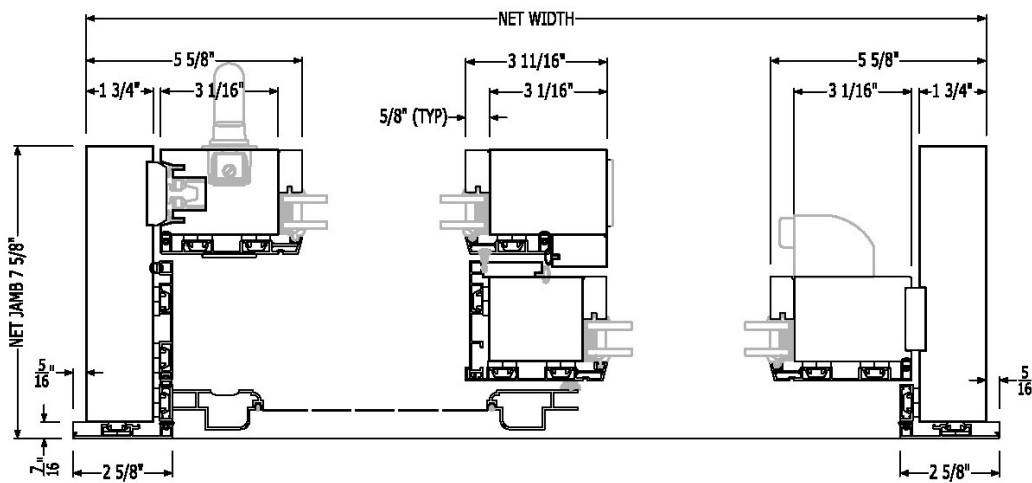
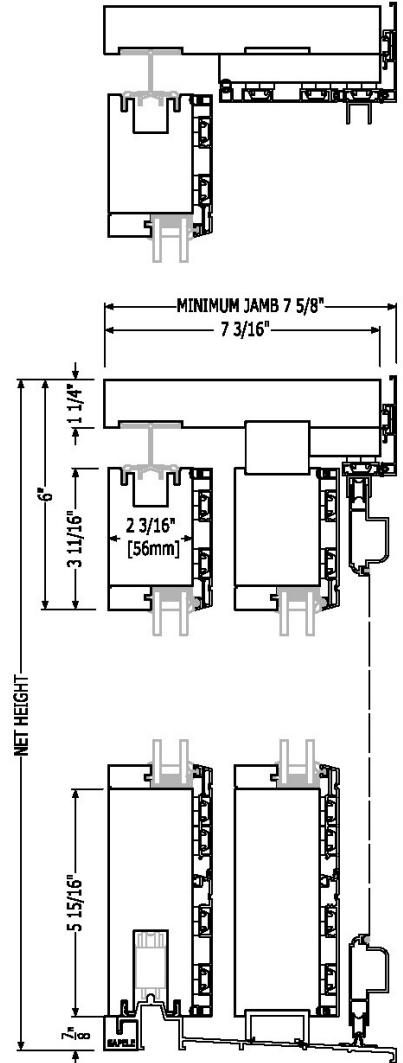
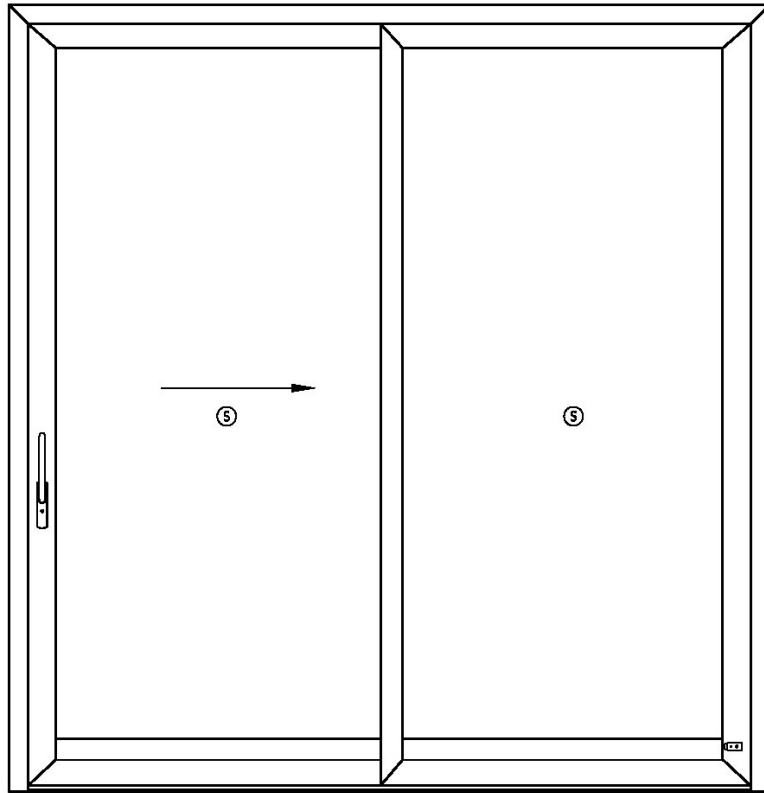
QC-10

For more information please contact your Quantum Representative

Quantum Clad

Clad Lift & Slide Door with Screen

Head Jamb at Opening



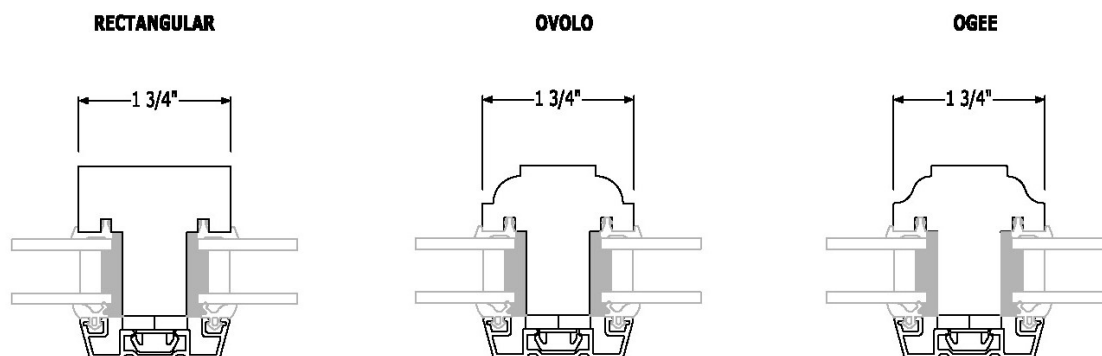
For more information please contact your Quantum Representative

QC-11

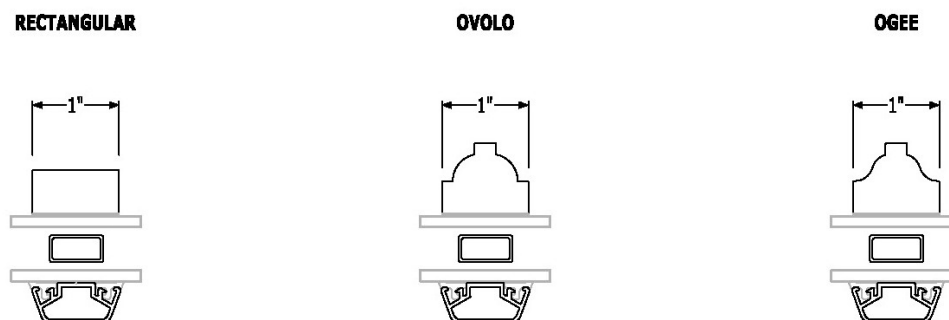
Quantum Clad

Clad Glazing Options

True Divided Lite



Simulated Divided Lite

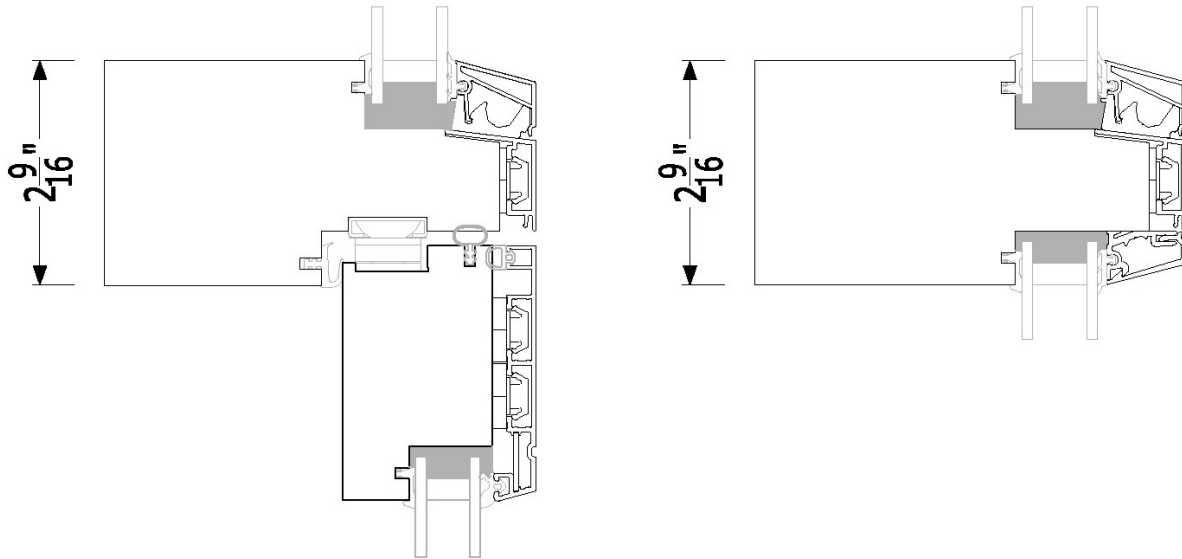


For more information please contact your Quantum Representative

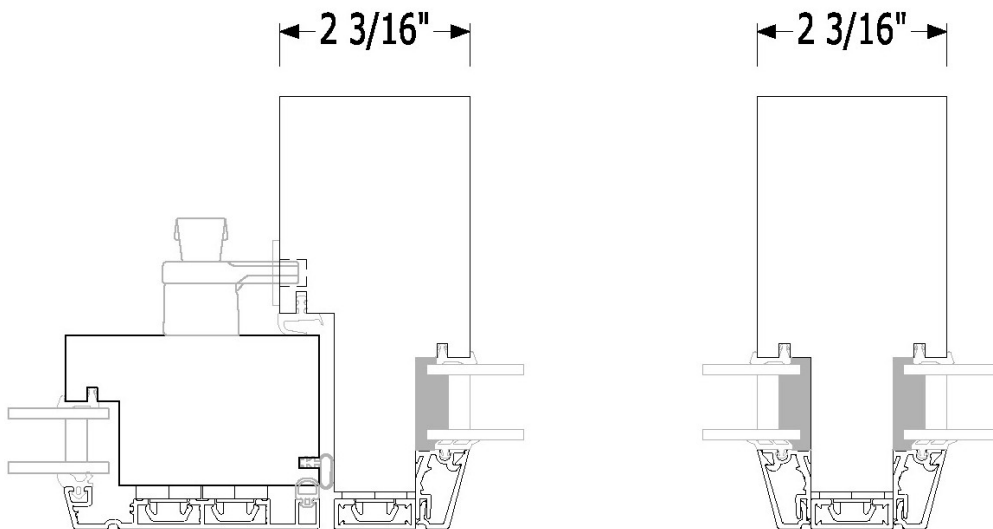
Quantum Clad

Clad Window Mulling Options

Horizontal Mullions



Vertical Mullions

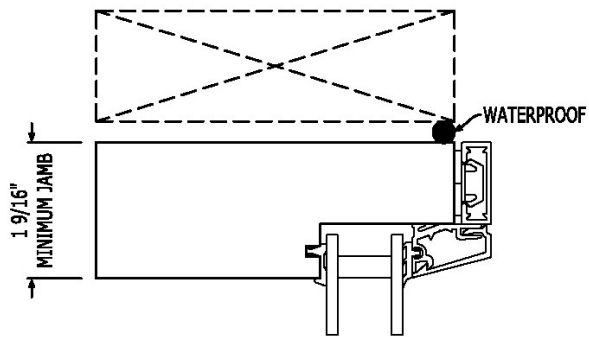


For more information please contact your Quantum Representative

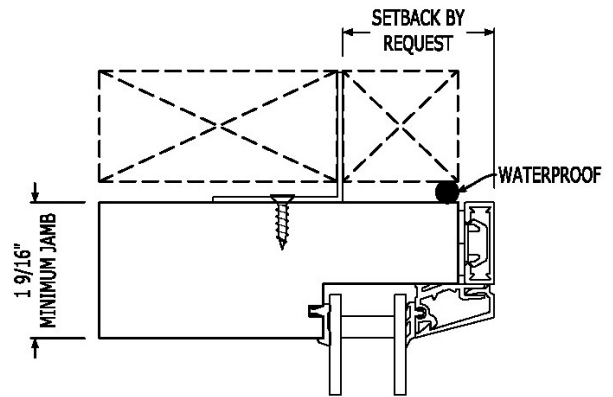
Quantum Clad

Clad Nailing Flange Options

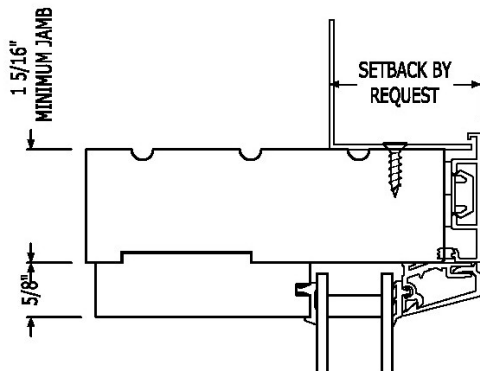
Nail flanges can be color matched to clad.



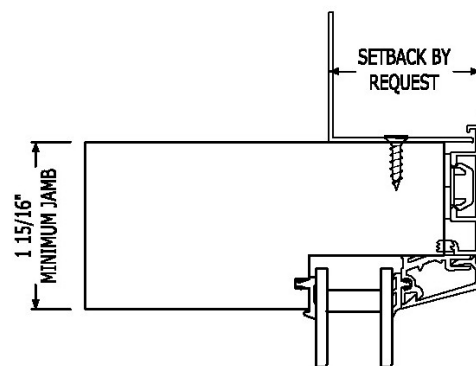
NO FLANGE



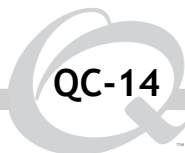
NON-INTEGRATED SURFACE APPLIED FLANGE



INTEGRATED DOUBLE RABBET FLANGE



INTEGRATED SINGLE RABBET FLANGE



For more information please contact your Quantum Representative



Take a Closer Look at Quantum's Glazing Process

Today's architectural features increasingly call for larger expanses of glass that require innovative approaches which blend structural performance with aesthetic design. Quantum Windows & Doors builds advanced systems that provide a visual connection to the world outside while enhancing the comfort and security of the spaces in which we work and live.

Quantum is known throughout the industry for producing products with high optical quality. This is a result of stringent criteria for selecting glass and choosing performance based components with which to fabricate our Insulated Glazed Units (IGU's) in house.

Glass Glass type is generally project specific and determined by preference, performance requirements or local building codes. Only the parts of the sheet glass that meet Quantum's industry leading standards are selected and used, and the rest is recycled.

Seal Glazing performance and durability is determined by the integrity of the seal. All of Quantum's insulated units are dual sealed utilizing a specialized foam spacer, along with hot melt butyl sealant. Unlike metal spacers, Quantum's spacers are manufactured with engineered foam that is flexible, non-conductive, and mold resistant. In addition to creating a cleaner shadow line, they absorb sound, withstand 140 degree temperatures, 95-100% humidity and UV rays. Quantum's spacer system when combined with our hot melt butyl creates a dual seal that lasts up to 5 times longer than single sealed units. Consequently we offer the longest IGU warranty in the custom window industry - 15 years.

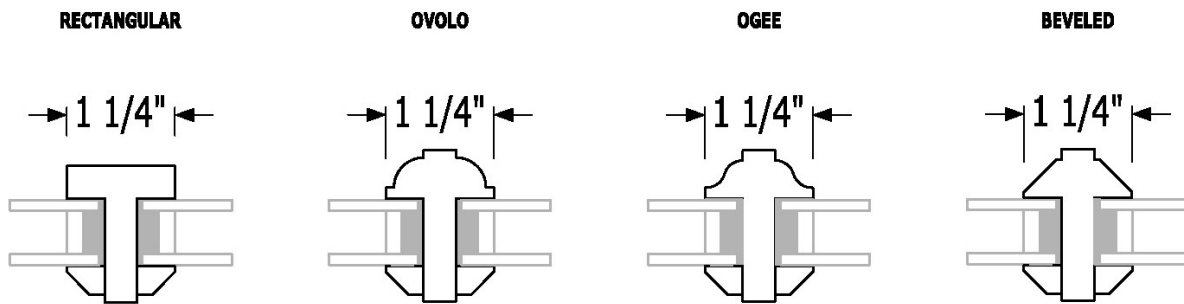
Installing IGU's All Quantum's products are *wet glazed with sealants* as opposed to using double sided tape. This gives our products better performance, increased durability and strength. Our IGU's are bedded into a layer of silicon and latex and then stopped in by hand using silicon and latex, as well as a silicon glazing sealant. Glazed units are then cured for 24 hours and cleaned before final inspection.

Optional Glazing Applications Quantum offers a wide variety of glazing options including but not limited to custom sticking and stop profiles, true divided lites, applied lead, art glass, argon fill, tempered, tinted, obscure, sound control, and laminated.

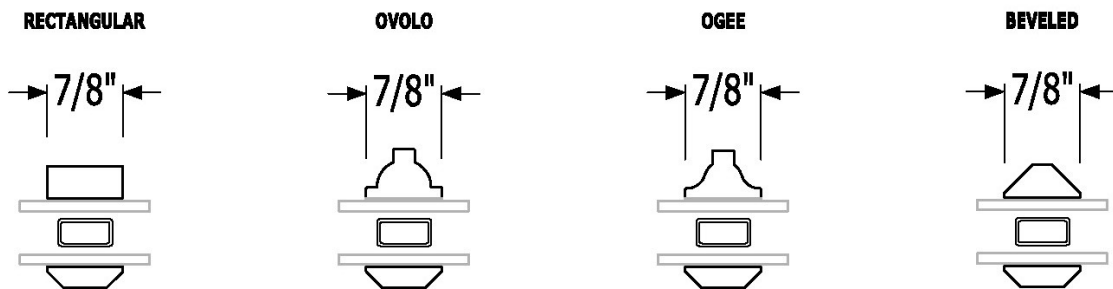
For more information please contact your Quantum Representative



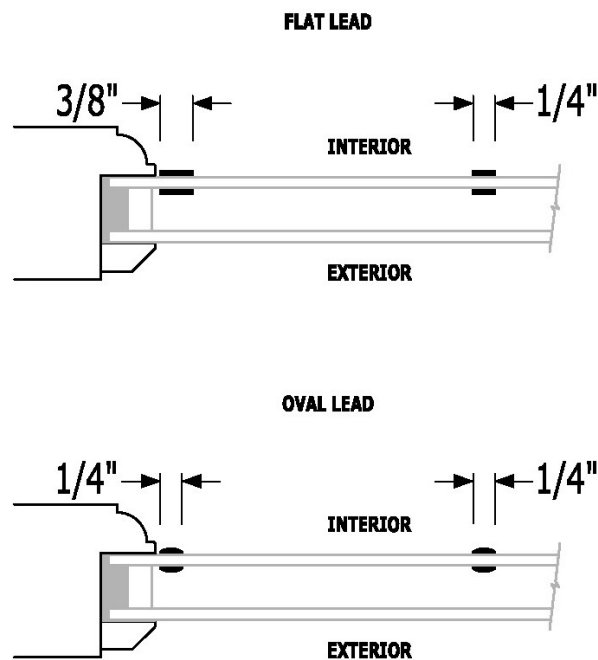
True Divided Lite



Simulated Divided Lite



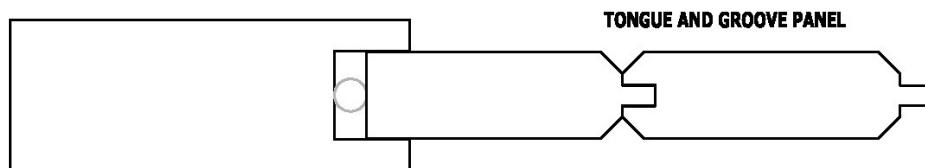
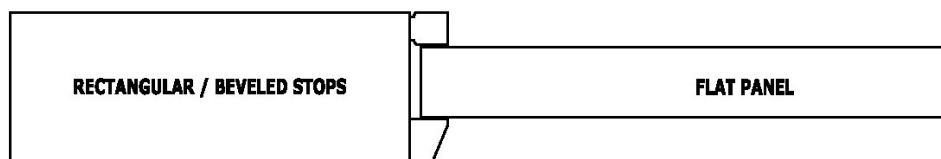
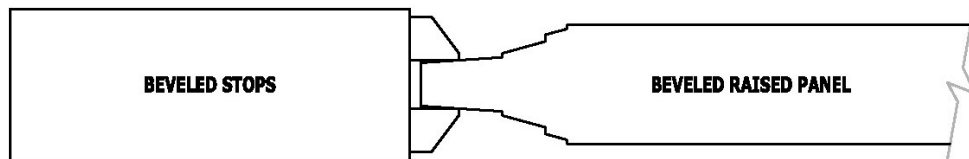
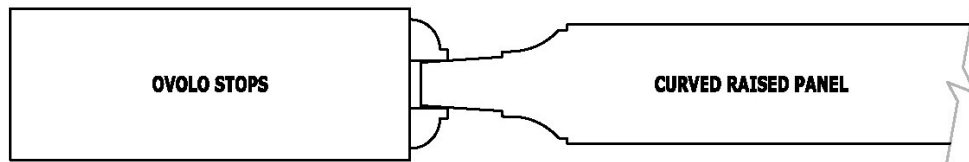
Applied Lead



For more information please contact your Quantum Representative

Glazing

Panel Options



G-2

For more information please contact your Quantum Representative

Exterior Species

There are over 100,000 species of wood. Many are indigenous to specific regions while others are found throughout the globe. The one element common to all wood is that every species is comprised of 60% cellulose and 28% lignin. The other 12% is made up of individual consistencies and colors. These attributes determine the best use and application for the lumber produced from a particular tree.

Quantum has developed specific guidelines designating wood for interior and exterior applications. With few exceptions, the exterior woods that Quantum recommends are hardwoods with the ability to accept finishes, resist moisture, and exhibit other characteristics that promote durability. Structural integrity begins with wood strength, a combination of density (measured by specific gravity), compressive strength, bending strength, stiffness and hardness.

The list below reflects the more popular species used for exterior applications.

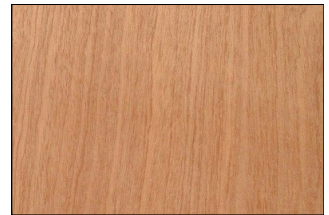
Douglas Fir

Pseudotsuga menziesii – First documented on Vancouver Island in 1791. Douglas Fir is one of the most important woods used in construction. Although a softwood, it is known for its stiffness and strength. Quantum uses only Clear Vertical Grain regardless of finish or application. CVG provides the best stability, most consistent grain, color and long term durability.



True or Genuine Mahogany

Swietenia macrophylla – Grown in Southern Mexico to central South America. Much of the species referred to as Genuine Mahogany are currently plantation grown in select regions of the world. Mahogany coloring varies from pinkish brown to darker reddish brown that tends to darken with age. Excellent stability and beautiful grain.



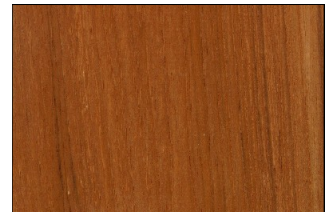
Sapele

Entandrophragma cylindricum - From Central and West Africa. Medium to dark reddish brown and sometimes exhibiting a purple tinge. Sapele is often substituted for Mahogany since it possesses many of the same attributes, but due to its availability, is generally less expensive and tends to provide a more consistent finish.



Teak

Tectona grandis – A popular hardwood grown in Southeast Asia, Teak is a straight grained yellow brown to dark golden brown wood known for oil content and weatherability. Teak is extremely resistant to moisture lending to its popularity in boatbuilding and outdoor furniture applications. Teak is a common choice for use in fabricating



For more information please contact your Quantum Representative



Wood Species

Species Sources

FSC Certified Lumber

Refers to sourcing and harvesting wood in accordance with the Forest Stewardship Council's standards for socially and environmentally responsible forestry practices. Many wood species are available under this international program and more are being added every day. Much of the FSC wood today is grown on plantations using sustainable methods for cultivation and harvesting. Ask your Quantum Sales Representative about pricing, availability and lead times.

Reclaimed Timber

Reclaimed wood can be suitable for building beautiful windows and doors. Quantum is open to working with reclaimed lumber based on the quality of the wood and other considerations that may impact milling equipment or compromise product performance. Speak with your Quantum Representative regarding your preferences.

Other Species

Over the past 30 years there has yet to be a species of wood that hasn't found its way through the Quantum shop. Your Quantum Representative would love to talk species with you.



Split Species

Quantum products are available in split (Exterior/Interior) species. This offers extensive design flexibility while maintaining the desired qualities for exterior performance and durability. Many hardwoods and softwoods alike have the dimensional stability and structural integrity required for window and door construction. While some species of wood may be more suitable than others, small changes in design can often accommodate a wide variety of options. Quantum will consider any wood specified, based on availability, wood quality, species compatibility, and engineering. Some commonly used split species for interior use are:

Alder

Birch

Black Walnut

Cherry

Cypress

Lacewood

Maple

Oak

Purple Heart

Western Red Cedar



For more information please contact your Quantum Representative

Finishing Your Quantum Windows and Doors



Quantum's finishing shop features drying racks surrounded by radiant heat, within an atmosphere of freshly filtered and circulated air.

Long term window performance is directly related to how a window or door is finished. Finish performance is dependent on several factors including the substrate to be coated, preparation, application, climate, exposure to environmental contaminants and maintenance. Evaluating your specific needs and selecting the appropriate finish, is a requisite step in determining expectations for the performance of your windows and doors regardless of the brand, composition, or coating.

Unlike more production oriented products available in today's market, Quantum selects only premium graded lumber, based on grain configuration, stability and moisture content. This, in conjunction with our product's design and precise joinery, ensures that the finish you select will be applied to the most dimensionally stable product available.

Just as there are criteria associated with selecting the most appropriate exterior species, the finish specified should depend on aesthetic preferences, geographic location, site orientation and variations in temperature and altitude. Quantum products, when properly sealed with the appropriate finish, will provide years of performance and beauty.

There are many great products on the market today, representing a broad spectrum of finish applications and technologies. Information is readily available that can help you determine what will work best for your specific needs. We are happy to discuss our recommendations based on our experience and your project's individual requirements.



Highly qualified Quantum craftsmen operate cutting edge technology within generous shop space, excellent lighting and unlimited resources. In house finishing ensures that all glazing pockets, kerfs and mortises are sealed prior to glazing.

For more information please contact your Quantum Representative



Finishes

Levels of Finish

Complete Finish

This consists of the application of the construction coat, the filling of glazing holes and the application of a final top coat of stain or paint. Products may require touch up due to installation and other trades causing minor damage. A semi annual inspection should be completed, touch up areas as needed.

Construction Coat

On painted products, Quantum will apply one prime base coat and one to two top coats. In clear or stain applications, Quantum will apply one base coat and one top coat. Final finish will be applied by others. Our Construction Coat ensures initial protection from the elements and all that is required for final finish is filling glazing holes and a top coat of paint or stain.

Benite

Commonly used on softwoods, this deep penetrating pre-conditioner is applied when a product is going to be stained on site. Benite reduces the possibility of wood taking on moisture until a stain or final finish coat can be applied. It is important to note that Benite is a wood conditioner, not a substitute for an actual finish.

Primed

Quantum will apply up to two coats of our high quality alkyd base primer. Filling of glazing holes and two top coats minimum will be applied in the field by others.

Custom & Split Finishes

Quantum will quote custom applications and split finishes on request. Please consult your Quantum Representative for details and pricing.



Hand detailing. Uniform finish. That's the Quantum Difference.



For more information please contact your Quantum Representative

15/5/3 Limited Window & Door Warranty

Warranty Coverage.

Quantum Windows & Doors, Inc. (QWD) warrants to the original Owner that Quantum products will be free from defects in material or workmanship as identified for the time periods described below:

Fifteen (15) Year Limited Insulating Glass Unit Warranty.

QWD warrants to Owner for a period of fifteen (15) years from date of delivery from QWD, the insulating glass unit (IGU) manufactured by QWD to be free from internal moisture or foreign matter caused by defective materials or workmanship except those IGUs expressly excluded by QWD and specifically excluded under this warranty. If an IGU fails within the warranty period, because of a defect in its original manufacture, QWD will provide a replacement unit to Owner. If the specific materials are unavailable for any reason, QWD will provide a replacement unit of similar composition and quality. Laminated glass and insulated units manufactured using laminated glass carry a limited five (5) year warranty. Owner will be responsible for providing all labor, materials, and shipping cost necessary to reinstall the replacement unit.

Ten (10) Year Limited Exterior Aluminum Cladding Finish.

QWD warrants to Owner for a period of ten (10) years from date of delivery from QWD, standard Exterior Aluminum Cladding Finish against manufacturing defects that result in chalk, fade or loss of surface adhesion (peeling). Anodized finishes are warranted to be free of defects for five (5) years from the original dates of purchase. QWD shall provide no warranty to any non-QWD standard or custom Exterior Cladding Finish including patina finishes and shall only be subject to the warranty expressed or implied by the manufacturer of the applied finishing material(s).

For installation within coastal regions, QWD warrants the Exterior Aluminum Cladding Finish against manufacturing defects resulting in abnormal deterioration caused by corrosion or loss of adhesion for five (5) years from the original date of purchase. For installation within one (1) mile of any salt water environment, QWD warrants the Exterior Cladding Finish against manufacturing defects resulting in abnormal deterioration caused by corrosion or loss of adhesion for two (2) years from the original date of purchase. Anodized or other non-standard QWD or custom Exterior Aluminum Cladding Finish such as factory applied patina or surface staining are not warranted in coastal regions. Any post installation surface scratching or damage affecting the integrity of the surface finish must be immediately repaired in order to maintain the QWD warranty.

Five (5) Year Limited Hardware Warranty.

QWD warrants to Owner for a period of five (5) years from date of delivery from QWD the standard hardware with standard finish to be free from flaws caused by defective materials or workmanship except that hardware expressly excluded by QWD and specifically excluded under this warranty. Stainless steel Lift & Slide components and Exterior Aluminum Cladding Finish gaskets are warranted per the hardware manufacturer's standard warranty subject to the limitations described hereinafter.

Three (3) Year Limited Wood Component Warranty.

QWD warrants to Owner for a period of three (3) years from date of delivery from QWD the wood components to be free from flaws caused by defective materials or workmanship except those wood components expressly excluded by QWD and specifically excluded under this warranty. This warranty does not cover defects that occur as an inherent property of the wood used in the manufacture of QWD products.

Hardware Guidelines.

Metal parts used in the production of your windows and doors were selected for both their aesthetic appeal and resistance to corrosion. The metal parts are corrosion resistant and not corrosion proof. The finish on metal parts can be affected if exposed to industrial chemicals, smog, coastal environments or standing water. Metal parts should be cleaned using the mildest cleaning method possible, such as a soft cloth with mild soap and water. Avoid cleaning with vinegar, citrus-based cleaners, paint removers, window cleaners, brick and siding cleaners, or other industrial or abrasive cleaners. These substances can damage the protective hardware finishes. Normal wear, discoloration of hardware, corrosion related damage, and breakage are not covered under this warranty.

Warp and Twist.

Warp and twist is any distortion in the product itself and does not refer to the relationship of the door or sash to the frame. Warp is measured by placing a taut string along the concave face of each stile. The distance from the concave face to the bottom of the string is the warp amount. Twist is measured by placing two taut strings along the concave face at the top of each stile and at the bottom of the opposite stile, to form a X. The distance between the two strings at the point of crossing is the amount of twist. Warp and twist is not considered a defect unless such exceeds 1/4" in doors less than 7' high or exceeds 3/8" in doors up to 8' high. The warranty against warp and twist does not apply to doors over 3'6" wide or 8'0" high. Minor swelling and shrinking of wood parts, particularly wood raised panels, is a normal wood characteristic that varies with seasonal humidity conditions and is not considered to be a defect. Small surface checking or slight shrinking or cupping that may cause tiny cracks may occur under certain conditions and are not covered under this warranty. The application of unbalanced finishes using different types of stain or finish on the two faces of the door will void this warranty. The maximum allowable warp and twist will not exceed 3/8" for any QWD door width and height combinations up to 96" in height and 42" in panel width. This includes 56mm and 68mm thick panels. For door panels greater than 42" x 96", the test used is in any 42" x 96" section of the product.

If there is a timely claim for warp or twist, Quantum may defer, at its option, taking action to remedy such a problem for a period not to exceed twelve (12) months from the date of the claim. If the door has been installed prior to such a claim being made, the door must remain in the original installation during the period of deferment to permit conditioning to humidity and temperature. Nothing stated herein shall extend the period in which a claim must be made or shall extend the warranty period beyond that which is stated above.

Inspection, Maintenance and Touch-Up Guidelines.

All exposed interior and exterior surfaces must be finished immediately. Primer alone is not a suitable barrier against exterior exposure. Failure to apply the final finish on all surfaces before any exposure to inclement weather and within the following days of delivery will void Quantum's warranty: Raw: 7 days, Primer/Benite: 30 days, Paint/Stain: 60 days. The following inspection, maintenance and site touch-up guidelines must be followed in order to achieve desired results and maintain warranty coverage for QWD products.

1. Immediately seal (putty, caulk, finish, etc.) any areas where moisture could intrude behind the finish. This includes areas where the finish has been penetrated for hardware installation and nail holes created during glazing or install, etc.

2. Carefully inspect all product prior to installation. Store windows and

For more information please contact your Quantum Representative



15/5/3 Limited Window & Door Warranty

doors in such a manner as to protect them from moisture, extreme variations in temperature, dust and dirt, etc.

3. If the finish needs to be repaired, please refer to the finish manufacturer's guidelines for repairing your particular finish. General finish repair can be accomplished as follows: Clean the surfaces to be coated with a standard exterior cleaning solution of 2 oz. TSP (tri-sodium phosphate), 1 quart bleach and 3 quarts of water before application of the coating. If surface sanding is necessary, additional cleaning will be required following sanding. Any breach in the coating exposing raw wood is reason for recoating. Left uncorrected, a breach can lead to coating failure.

4. When coating a door or window allow finish to dry completely before closing. Never paint weather-stripping.

5. At a minimum, annual inspections, cleaning and potential maintenance coats are required to maintain warranty coverage and will help to ensure that the effects of exposure to contaminants, e.g. dust, dirt, mildew and salt are minimized. Contaminants are key factors in the degradation of finish over time. In general, horizontal surfaces are the most susceptible to damage and may require more frequent maintenance. Highly exposed products should be inspected and cleaned at least twice annually. Quantum does not recommend clear or dark finishes for exterior exposure. Failure to follow any of these guidelines will void this warranty.

6. QWD Exterior Cladding Finishes must be cleaned with mild detergent soap and water at least on an annual basis outside of coastal regions and cleaned at least on a quarterly basis within coastal regions to remove any potentially corrosive build-ups. Refer to Quantum Clad Care Instructions for further information. Failure to do so may, at the sole discretion of QWD, void the warranty.

Limitations and Exclusions.

This warranty does not cover, and QWD will not be responsible for, incidental costs or damages or consequential costs or damages including, but not limited to, water damage, shipping expenses, or removal, reinstallation and refinishing of windows and doors. QWD does not warrant flush panel doors and 1 3/8" doors used in exterior applications. Oversized sashes are not warranted for warp, twist and sagging as defined QWD shop drawing process.

This warranty does not extend to product that is altered, abused, or installed in unusual, abnormal or extreme situations as determined by QWD. This warranty does not extend to glass units installed 15 degrees or more from vertical, units with angles other than 90 degrees or units larger than 50 square feet. Scratches, smudges and other blemishes can occur and are not necessarily a defect. Refer to ASTM C1036-06 for further guidelines. Specifically, items not covered under warranty include, but are not limited to, applied lead, leaded glass, etched glass, sandblasted glass, radius glass, art glass, butt glazed IGUs installed without corner caps, HeatMirrortm glass, electric or electronic components. Insulated glass units not manufactured by QWD may be covered by the warranty expressed or implied by the manufacturer of the insulated glass unit.

This warranty does not extend to product that is field-glazed by others, is not installed, finished or maintained in accordance with QWD's published guidelines, is incorrectly or improperly installed, shows variations in the color and grain of the natural wood, appears

discolored caused by weathering, or has films applied to the glass surface. Lightening and darkening of the natural color of wood will occur with age and is not considered to be a defect. Wood surface checks, cracks, miter and other wood joint shrinkage are not considered a defect unless such exceeds 1/32" in width. Natural expansion of the wood or pitch seepage is not considered a defect. This warranty is null and void if product is repaired or replaced without first obtaining the written consent of QWD, or conditions stated herein are not followed.

NOTE: Certain QWD supplied product may not be covered under this warranty. The architect, contractor and/or party responsible for placing the order was advised of any non-warranted items through shop drawings and/or quote.

This warranty does not cover parts or components (e.g., locksets, handles, etc.) not sold by QWD to the original owner.

We are not liable for:

- Normal wear and tear, including normal wear and tear of weatherstrip; and natural weathering of surfaces or variations in the color or texture of wood or finish; surface cracks that are less than 1/32" in width and/or 2" in length.
- Problems due to misuse, abuse, failure to follow the care and maintenance instructions; or as a result of any cause beyond our reasonable control (e.g. fire, flood, earthquake, other acts of nature, and acts of third parties outside of our control).
- Problems related to: improper finishing of all surfaces (front and back) and edges (top, bottom, and sides); variation or unsatisfactory results in sheen or texture resulting from the field application of paint or any other finishing material.
- Failure to provide an adequate overhang; damage caused by extreme temperature buildup. For specific information pertaining to your structure, consult your contractor or other building professional.
- Warp, bow, misalignment, splitting, shrinking or cracking caused by the natural tendencies of the wood for QWD product.
- Slight expansion or contraction due to varying environmental conditions; movement (shrinkage or swelling) of 1/4" or less due to temperature and humidity, consult your contractor or other building professional on how to work with this natural movement.
- Bow or misalignment in the frame or jamb.
- Damage, poor product performance or other problems related to water and/or air infiltration due to improper assembly or installation.
- Structural integrity issues or other problems caused by improper fitting of the hardware, improper sizing, or other assembly problems.
- Damage, poor product performance or other problems resulting from installation into a condition that exceeds product design standards and/or certified performance specifications and/or does not comply with applicable building codes.
- Discoloration or rusting of decorative metal accent options, such as grilles, clavos, straps, etc.; discoloration of wood sills provided by QWD.
- Cost for labor, removal or disposal of defective product(s), installation or finishing of the replacement product or

For more information please contact your Quantum Representative



15/5/3 Limited Window & Door Warranty

component (other than as stated above).

EXCEPT AS SPECIFICALLY PROVIDED ABOVE, THERE ARE NO WARRANTIES OF MERCHANTABILITY FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER IMPLIED WARRANTY, EXCEPT AS SUCH REPRESENTATION OF WARRANTY IS STATED IN THE ACKNOWLEDGMENT OF ORDER OR OTHERWISE AGREED TO IN WRITING AND SIGNED BY AN OFFICER OF QWD. IN ANY CASE, ANY IMPLIED OR WRITTEN WARRANTY SHALL BE LIMITED TO THE WARRANTY PERIODS STATED ABOVE AND QWD'S LIABILITY IS EXPRESSLY LIMITED TO THE REPAIR OR REPLACEMENT OF NONCONFORMING GOODS OR THE REFUND OF THE ORIGINAL PURCHASE PRICE AT THE OPTION OF QWD. ORAL REPRESENTATIONS OR NONCONFORMANCE SHALL NOT BIND QWD WITH ANY MODEL OR SAMPLE. QWD SPECIFICALLY DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF THE WARRANTY STATED HEREIN. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR ALLOW EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

Warranty Claim Procedure.

Owner must notify QWD of any defects within thirty (30) days of the defect occurring. Shipping damage must be reported immediately to the carrier and QWD. Owner must provide QWD with proof of the purchase date and/or Quantum's Job Number. To file a claim, please download and submit our Warranty Claim Form which can be found on our website, www.quantumwindows.com. You can also call the Quantum Customer Service Department at 1-800-287-6650, Monday through Friday, 7:30am to 4:30pm Pacific Standard Time or mail your claim form to: 2720 34th Street, Everett, WA 98201. Please include your name, address, and daytime phone number, as well as purchase date and QWD's Job Number. This warranty is effective for all products purchased after June 30th, 2015. Any previous warranties will continue to apply. This warranty covers QWD products installed in the United States and Canada.

Quantum's Responsibilities.

Upon receipt of Owner's warranty claim, QWD shall have the right to inspect or cause the product to be inspected. If the inspection confirms the defect, QWD will make the necessary repairs. QWD shall not be responsible for the costs of removal or reinstallation. QWD shall not be responsible for the costs of refinishing unless the original finish was applied by QWD. If QWD determines that repair or replacement is not practical, QWD may elect to refund the original purchase price of the affected products. The repair or replacement is warranted for the remainder of the original warranty period. Any replacement parts are F.O.B. QWD's plant.

Definitions.

Owner: For purposes of this warranty, "Owner" means the person or corporation who owned the structure when Quantum products were installed, or if the structure was built for resale, the person or corporation who purchased from the builder. This warranty applies to QWD's customer, the "Owner," and is not transferable to subsequent owners.

Defects: The term "defects" shall not be construed as embracing damage arising from misuse, negligence, Acts of God, normal wear or breaches in coatings due to external forces outside QWD's control or failure to follow installation and maintenance instructions. This warranty is not applicable to defective products or finish resulting from faulty work by other trades or damage to any surface caused by others or defects arising from improper storage or transportation.

Exclusion of Consequential and Incidental Damages.

QWD shall have no obligation or liability, whether arising in contract (including warranty), tort (including active, passive, or imputed negligence and strict liability), or otherwise, for damage to its product, property damage, loss of use, revenue or profit, cost of capital, cost of substitute product, additional costs incurred by Owner (by way of correction or otherwise) or any other incidental, special, indirect, or consequential damages, whether resulting from non-delivery or from the use, misuse or inability to use the product. This exclusion applies even if the above warranty fails of its essential purposes and regardless of whether such damages are sought for breach of warranty, breach of contract, negligence, or strict liability in tort or under any other legal theory. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

Governing Law.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. This warranty shall be governed by the law of the State of Washington.

Purchase Date: _____

Job Number: _____

For more information please contact your Quantum Representative

