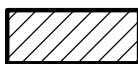


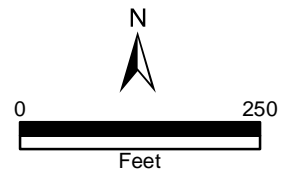
6-G-20-HZ
APPLICATION FOR CERTIFICATE OF APPROPRIATENESS



1017 Thompson Place 37917
Old North Knoxville H-1

Original Print Date: 6/3/2020
 Knoxville/Knox County Planning -- Historic Zoning Commission

Petitioner: Jim Keener





Staff Report - Certificate of Appropriateness Application

Knoxville Historic Zoning Commission

File Number: 6-G-20-HZ

PROPERTY LOCATION: 1017 Thompson Place / Parcel ID 81 L E 020

DISTRICT: Old North Knoxville H-1

MEETING DATE: 6/18/2020

APPLICANT: Jim Keener (Contractor)

LEVEL OF WORK: Level II. Major repair or replacement of materials or architectural elements

PROPERTY DESCRIPTION: Craftsman, c.1910

Two story frame residence with weatherboard wall covering. Jerkin head gable roof with asphalt shingle covering. Double hung two over two and four light casement windows. One story three-quarter front porch with paired wood posts on brick piers and enclosed balustrade. Interior offset brick chimneys. Brick foundation. Irregular plan. Sidelights and transom at front entry.

► **DESCRIPTION OF WORK:**

Exterior rehabilitation of a house damaged by fire, including roof reconstruction, wall framing and siding, and replacement of damaged/missing second-story windows.

-Roof: reconstruction of the roof to match original jerkinhead roofline, with asphalt shingle-cladding on pitched sections of roof and rubber on flat roofline. Soffit and fascia will be reconstructed to match original, with wood painted to match structure.

-Chimneys: brick masonry chimneys, original to structure, were significantly damaged in the fire. One chimney collapsed completely, and the second chimney had partially collapsed and was required to be deconstructed for safety of contractors (fire insurance report on file). Applicant proposes to not replace chimneys "as they would not be in use anymore and would be a costly repair."

-Replacement of windows: windows to be replaced in same locations as existing. Applicant has provided material specs for Jeld-Wen brand wood windows and intends to replace windows to match the originals.

-Second-story door: proposed enclosure of second-story door with window. Second-story door had previously led to flat-roof porch with no railing, creating codes issues.

-Siding: replacement of deteriorated wood lap siding to be replaced with new wood lap siding and corner boards to match existing.

► **APPLICABLE DESIGN GUIDELINES:**



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Old North Knoxville Design Guidelines, adopted by the Knoxville City Council on November 25, 2004.

A. Roofs

1. The shape of replacement roofs shall imitate the shapes of roofs on neighboring existing houses or on other houses of the same architectural style. ... Roof shapes shall be complex.
2. The eaves on additions or new buildings shall have an overhang that mimics existing buildings near the property. A minimum eave overhang of at least eight inches must be retained or used on new buildings or additions to existing buildings.
3. Repair or replace roof details (chimneys, roof cresting, attic vent windows, and other unique roof features).
4. Materials used in roofing existing buildings or new construction shall duplicate the roofing materials originally found in the neighborhood. Asphalt or fiberglass shingles can be appropriate, as are wood, slate, standing seam metal, or metal shingle or tile roof coverings.
6. Roofs that are visible from streets shall retain their original shapes.

B. Windows

1. Original windows shall be reused if possible. It will be much less expensive and better historically to retain the original windows, and it is inappropriate to replace them with new windows that differ in size, material, or pane division.
2. if replacement windows are necessary, they shall be the same overall size as the originals, with the same pane division and the same muntin depth, width, and profile. They shall be the same materials as the original windows, which were generally wood.
3. True divided lights shall be used in replacement window sashes with more than one pane.

E. Wood Wall Coverings

5. Wooden features shall be repaired by patching, piecing-in, or otherwise reinforcing the wood. Repair may also include replacement with matching or compatible substitute materials, when elements remain and can be copied.
6. Wood features that are important in defining the overall historic character of the building shall not be removed.
8. An entire wooden feature that is too deteriorated to repair or is completely missing shall be replaced in-kind. If features are replaced, the materials they are made with shall be compatible with the original in size, scale, and material. Replacement parts should be based on historical, pictorial, and physical documentation

COMMENTS:

N/A

STAFF FINDINGS:

1. 1017 Thompson Place is a contributing resource to the ONK National Register Historic District and the local historic overlay.
2. The house was significantly damaged by a fire in January 2020. The fire resulted in the roof's collapse; the removal of significant second of second-story framing, siding, and windows; and the partial collapse of a chimney. The fire insurance company recommended that both chimneys be fully removed due to their deterioration, to avoid further collapse as contractors began working on-site. The work proposed involves restoration of these items that

Staff Report - Certificate of Appropriateness Application

Knoxville Historic Zoning Commission

File Number: 6-G-20-HZ

were damaged/removed by fire.

3. The jerkinhead roofline is a character-defining feature of the house, unique to the property and noted in the NRHP nomination. Reconstruction of the roof to match the original roofline, with cladding materials, eave overhangs, and wood soffit and fascia details to match the existing house, is appropriate.

4. Guidelines recommend repairing or replacing roof details, including chimneys and attic vents. The two brick masonry chimneys were unique features, evenly spaced with one on each roof slope and featuring a simple corbelling detail at the top. Both chimneys and the three adjoining rectangular wood louvered vents should be restored in-kind.

5. The proposed scope of work involves removing the façade second-story door that is centrally located between the two sets of windows. The second-story door is likely a non-historic alteration, installed when the house became apartments. It leads to the first-story porch roof, which does not have a railing (required by building code), and no historic evidence has been presented that a railing was ever present. Removal of the second-story door and replacement with a window is appropriate, if the proposed window compliments the house's overall design, including trim details, materials, and muntin pattern.

6. The three adjoining rectangular wood louvered vents above the windows should be restored to the façade.

7. The applicant has provided several potential window specifications and stated an intent to restore the windows to what was previously there. Façade windows were three adjoining four-light wood casement windows, surrounded by wood trim, and should be replaced in-kind. Additional information should be submitted regarding the windows proposed for the rear elevation.

8. Replacement of the missing sections of wood clapboard siding should reflect the exposure, overlap, and dimensions of the rest of the house.

► STAFF RECOMMENDATION:

Staff recommends approval of the work as proposed, with the following conditions:

- 1) the chimneys be reconstructed with dimensions, materials, placement, and design to match the original chimneys;
- 2) the three adjoining wood louvered vents be restored in their original location;
- 3) specifications on the second-story window to replace the door be submitted to staff for approval;
- 4) second-story façade windows be restored in-kind (materials, placement, and size), with two sets of three adjoining four-light wood casement windows with wood trim, with final approval of the windows by staff;
- 5) additional information on dimensions, placement, and design of rear elevation windows be submitted to staff.

LEVEL 1

ROUTINE REPAIR OF FEATURES; REPLACEMENT OF FEATURES IN-KIND; INSTALLATION OF GUTTERS, STORM WINDOWS/DOORS, SCREEN DOORS, SATELLITE DISHES; REMOVAL OF ADDITIONS LESS THAN 50 YEARS OLD

- Detailed description of proposed work
- Photographs of existing conditions to be modified
- Sketches, illustrations, manufacturer's specifications of proposed materials and architectural features
- Other information needed to explain your request

SIGNS

- Scaled drawings for proposed signs
 - Wall signs: scaled drawings on the elevation on which the signs will be placed
 - Free-standing signs: site plan, with location of signs and relationship to existing buildings and other site features on the property
- Labeled color photographs of the elevation
- List of proposed materials and colors, including manufacturer's specifications
- Information illustrating the design and type of lighting, if any

LEVEL 2

MAJOR REPAIR, REMOVAL, OR REPLACEMENT OF ARCHITECTURAL ELEMENTS OR MATERIALS

- Detailed description of proposed work
- Photographs of existing conditions to be modified
- Sketches, illustrations, manufacturer's specifications of proposed materials and architectural features
- Other information needed to explain your request

ADDITIONS AND ACCESSORY STRUCTURES

- Site plan: dimensioned, scaled site plan.
 - Scale must be noted. Minimum scale: 1" = 40'-0".
- Dimensioned, scaled, elevation drawings for all sides, to clearly depict exterior appearance of project
 - Drawings should illustrate relationship to the existing structure; should show relationship to buildings on the property and adjacent lots.
 - Elevations should have scale noted. Minimum scale: 1" = 40'-0".
- Samples, descriptions, and manufacturer's specifications for proposed materials and architectural features

LEVEL 3

CONSTRUCTION OF A NEW PRIMARY BUILDING

- Site plan: dimensioned, scaled site plan.
 - Scale must be noted. Minimum scale: 1" = 40'-0".
- Dimensioned, scaled, elevation drawings for all sides, to clearly depict exterior appearance of project
 - Should show relationship to any existing buildings on the property and adjacent lots
 - Elevations must have scale noted. Minimum scale: 1" = 40'-0".
- Samples, descriptions, and manufacturer's specifications for proposed materials and architectural features
- Fully labeled color photographs of the property
- Description and drawings or photos of site improvements such as fences, walls, and sidewalks
- Description of precedent for design and relationship to neighborhood context

LEVEL 4

RELOCATION OF CONTRIBUTING STRUCTURE

- Description of the condition of the structure
- Reason for proposed relocation
- Photos of overall structure and its details
- Photos and site plan of proposed location

1017 Thompson Place Knoxville Tn 37917 Parcel #: 081LE020 Zoning:H,RN-3

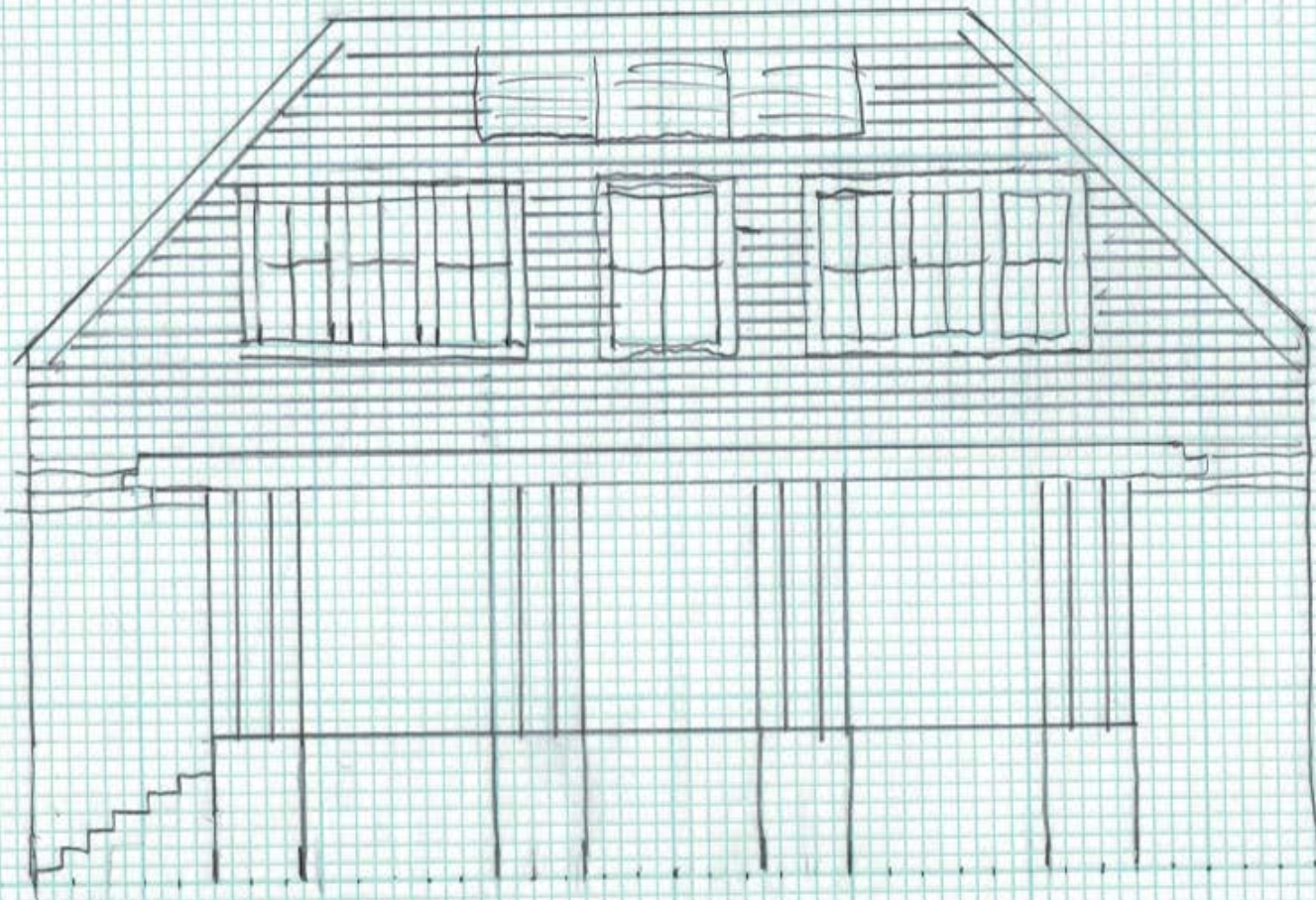
To whom it may concern.

This is Jim Keener with Airway Construction and Restoration and the reason for the proposed work is for repairs of the structure due to fire damage. The work on this home by us will be to repair the roof framing, wall framing, and floor framing due to the fire damage. It was brought to our attention by the current owner Squareone Properties and Construction LLC. That multiple contractors said that the existing chimneys were unsafe due to the fire and framing damage and would probably need to be taken down. I was told that during a storm that the chimneys fell down. All of this was before we were on the job. The owners were hoping that the chimneys would not have to be replaced as they would not be in use anymore and would be a costly repair to be replaced. Since then we have bid to do the framing repairs and the roof. We are planning to restore the roof back to previous shape and style by the existing photo's of what it looked like. The roof will be asphalt shingles as it was previously. And the porch roof and the main roof flat sections will be made up of rubber roofer with solid contact glue down installation. It was brought to our attention there was an existing exterior doorway that leads onto the porch roof where it has no safety railings by the city of Knoxville building permits and inspections office. I have spoken it over with the owner and we would do away with the doorway for a window of similar style, make and likeness of existing windows as any others that would need to be replaced. The rest of the opening would be replaced with wood lap beveled siding tied back into existing wood lap siding. The soffit and fascia areas will be put back as existing soffit style is with wood to be painted as well. The footprint of the home will remain exactly the same as it is. I am sending the photos of existing conditions with this letter as well. Please let us know if there are any other items or revisions that need to be addressed as this structure is currently sitting open to the elements. Please feel free to call or set up appointments as needed as we would love to get moving on this project as soon as possible for the owners.

Thanks, Jim Keener w/Airway Construction and Restoration

(865)805-3619 jim.keener.airwaycr@gmail.com

Window
INSTEAD
OF
Door





Photos from Google Streetview, prior to fire.



Photos provided by applicant.



Photos provided by applicant



Photos provided by applicant



Photos taken by staff



Photos taken by staff



JELD WEN
WINDOWS & DOORS

Siteline[®]
Wood Windows
Double-Hung

Architectural Design Manual



TABLE OF CONTENTS

Product Information

General Information.....	2
Lite Cut Information.....	3
Clear Opening Formulas	4
Grid, Bottom Rail & Glass Stop Options.....	5
Unit Sizing	6
Trim & Sill Options.....	7
Jamb Extender & Prep for Stool Options.....	8
Mullion Options	9

Section Details

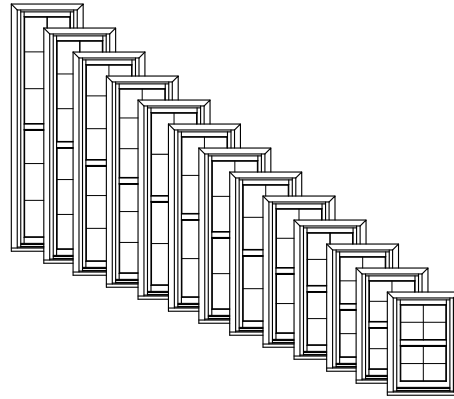
Operator:	
Standard Sections	11
Impact Sections	12
Radius Top / Segment Head - Vertical Sections.....	13
Picture:	
Standard Sections	14
Impact Sections	15
Radius Top & Segment Head - Vertical Section	16
Transom:	
Standard Sections	17
Impact Sections	18
Bay:	
Standard Sections	19
Standard Projections.....	20

Sizing Details

Min-Max Sizing.....	21
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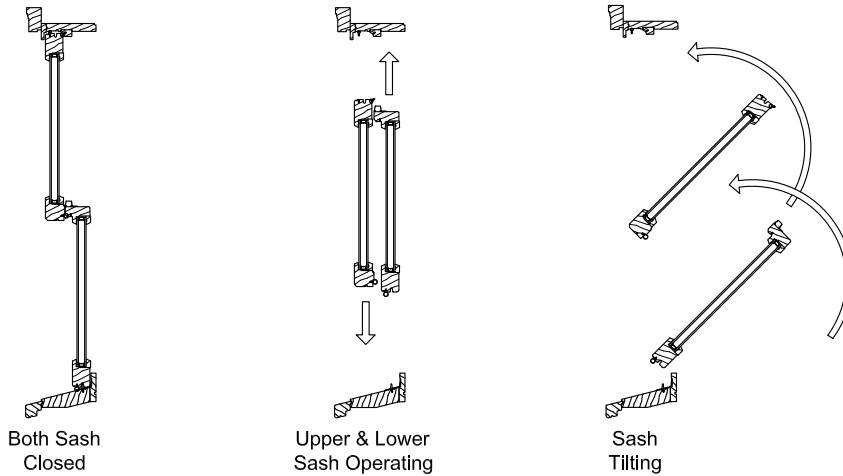


GENERAL INFORMATION



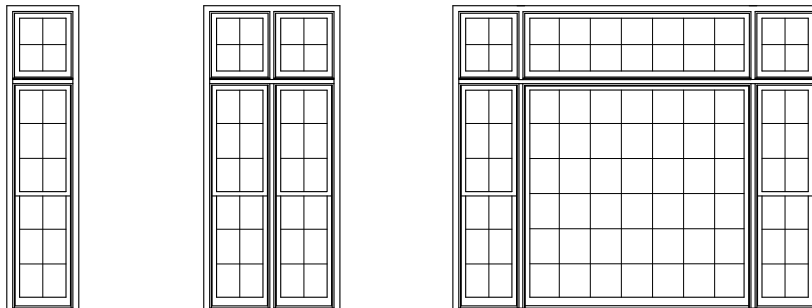
Dimensional Windows

Siteline® Wood Double-Hung windows may be specified as "dimensional", by adjusting the desired rough opening width or height. Siteline® Wood Double-Hung windows feature fully operating upper and lower sash which can be tilted or removed for easy cleaning.



Multiple Assemblies

Siteline® Wood Double-Hung windows may be mulled beside other wood double-hung windows, or to other wood window products to fulfill a wide variety of architectural design needs.



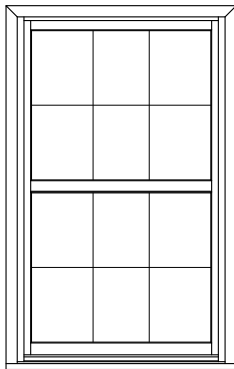


LITE CUT INFORMATION

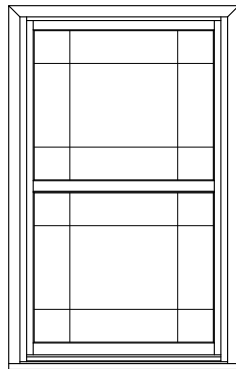
Lite Cut Options

Siteline® Wood Double-Hung Windows are available with removable Grilles, Grilles Between Glass (GBG), or Simulated Divided Lites (SDL) in various widths and styles. The standard grid patterns are shown below.

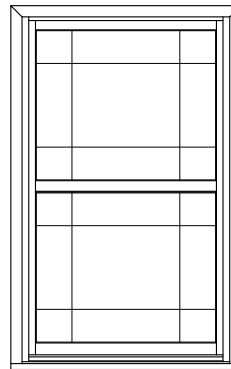
Special lite cut patterns can include a wide variety of straight line and radius patterns. Non-standard patterns are subject to factory approval.



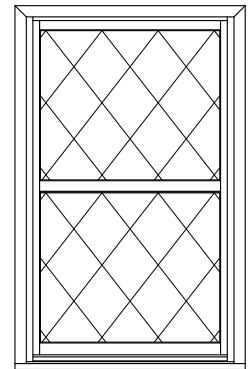
Colonial



Uneven



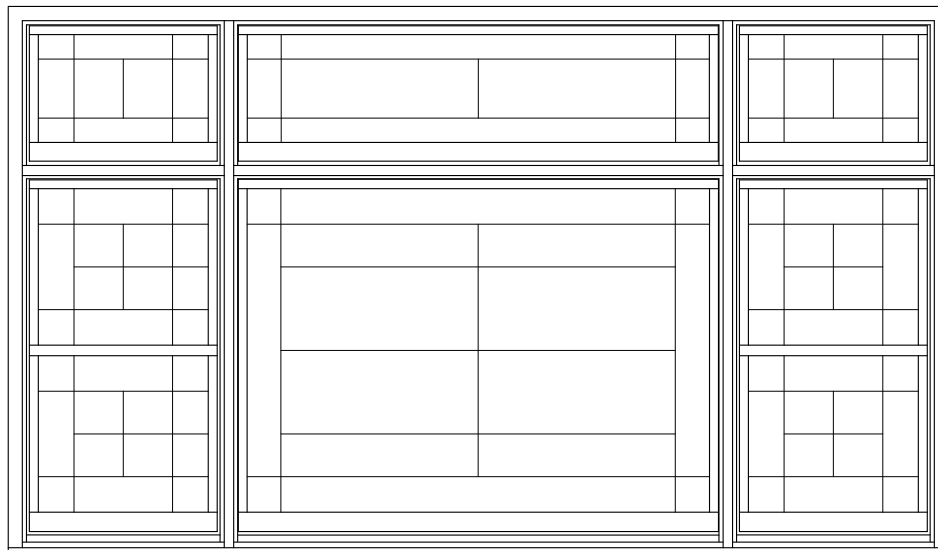
Prairie



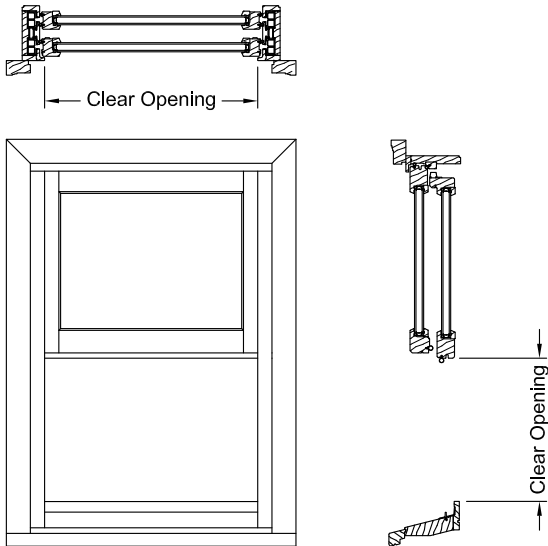
Diamond

Bar Alignment

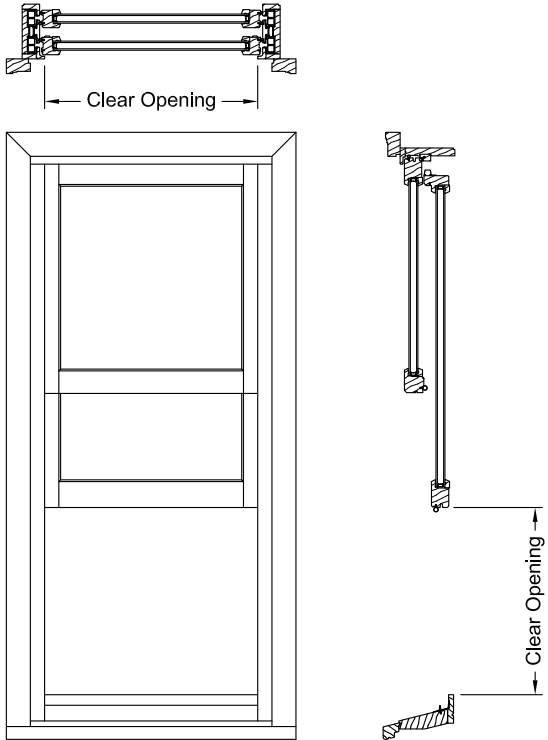
Alignment of divided lite muntin bars from one window to the next is often required by fine architectural design. Wood grilles, GBG, and SDL's may be specified with muntin bars aligned.



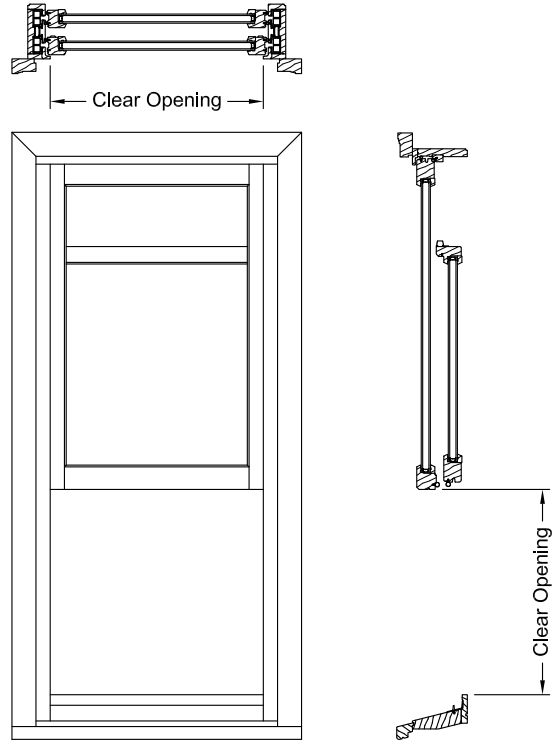
CLEAR OPENING FORMULAS



Double-Hung (Even Divide)
Width = Frame Width - 3 3/4"
Height = (Frame Height / 2) - 2 27/32"



Cottage Double-Hung
Width = Frame Width - 3 3/4"
Height = (Frame Height / 2) - 8 5/32"



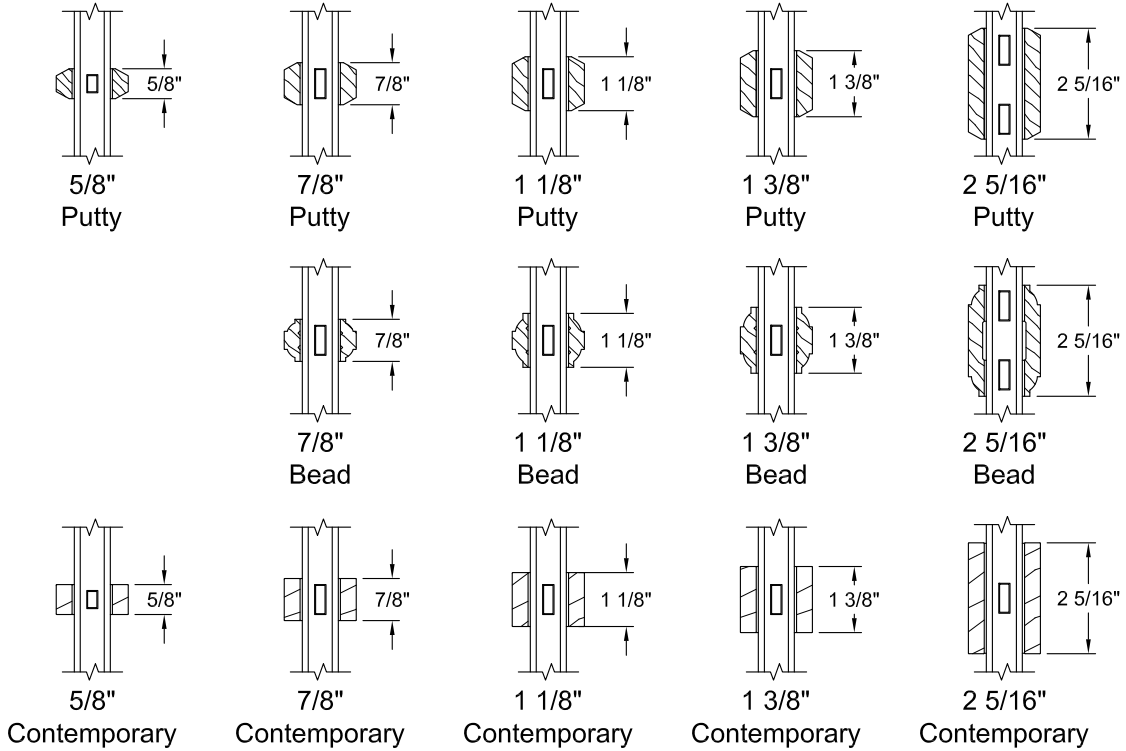
Reverse Cottage Double-Hung
Width = Frame Width - 3 3/4"
Height = (Frame Height / 2) - 7 29/32"



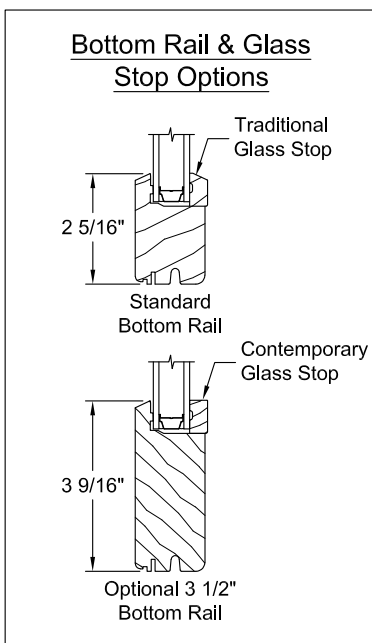
GRID, BOTTOM RAIL & GLASS STOP OPTIONS

Exterior ← → Interior

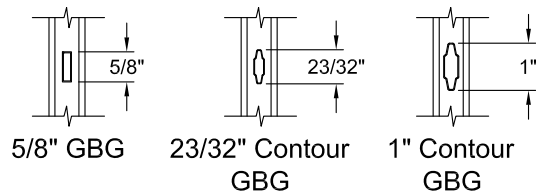
SDL Options



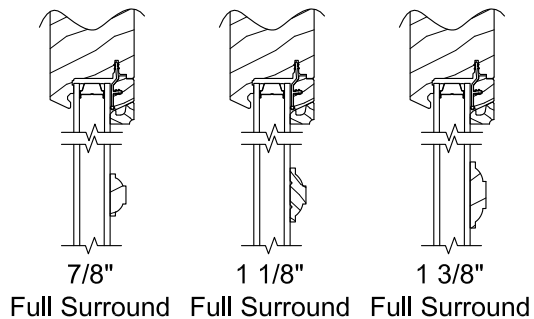
Note: Various Combinations of the SDL Bars Shown are Available



GBG Options



Grille Options

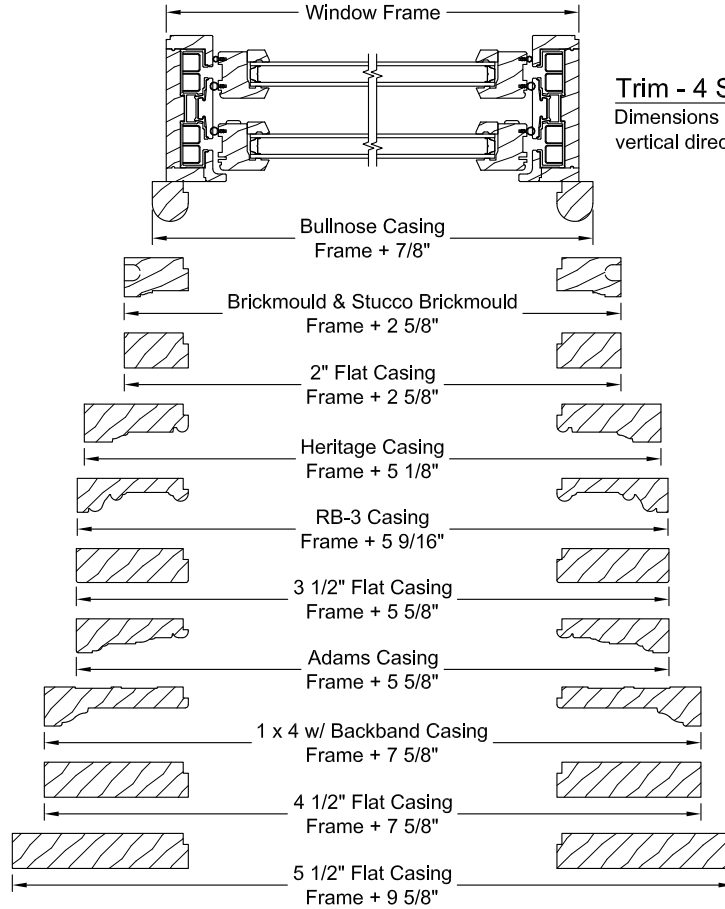




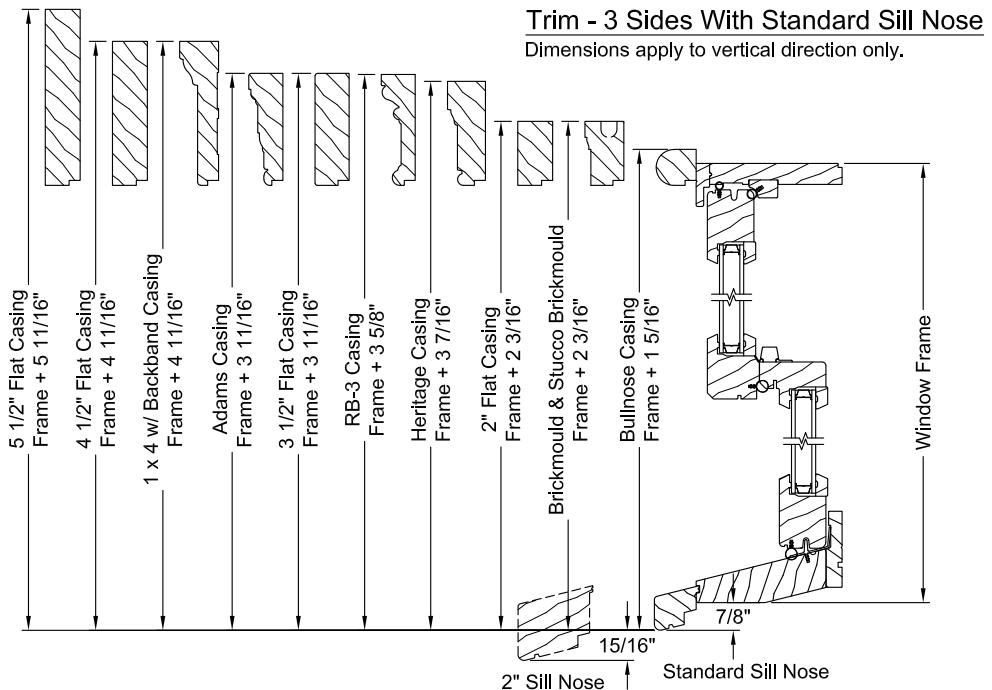
UNIT SIZING

Rough Opening
The frame size of the window plus 3/4".

Masonry Opening
The overall size of the window, including trim, plus 1/2".

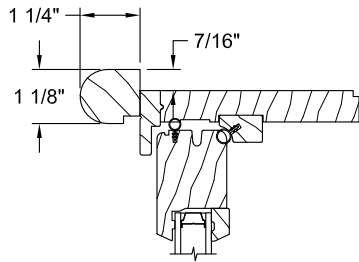


Trim - 4 Sides Of Frame
Dimensions apply to horizontal and vertical directions.

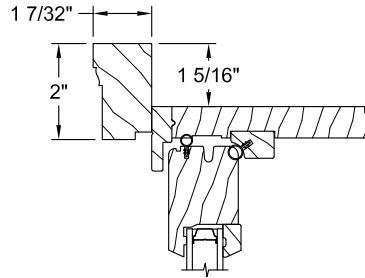




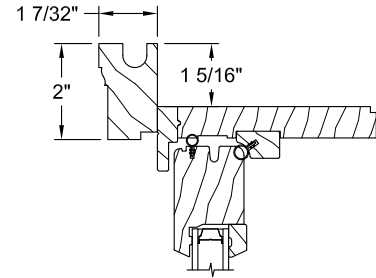
TRIM & SILL NOSE OPTIONS



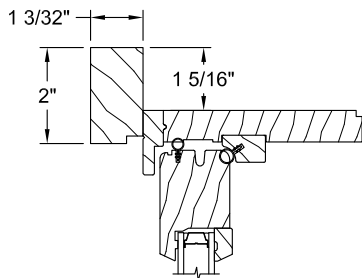
Bullnose Casing



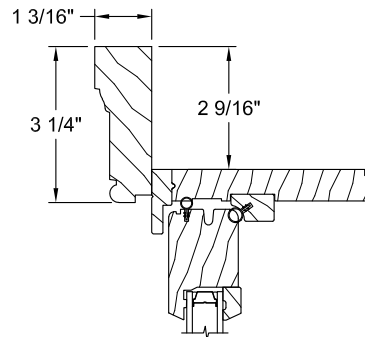
Brickmould



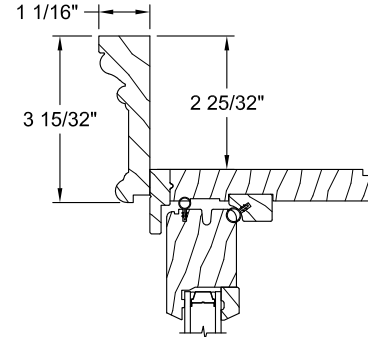
Stucco Brickmould



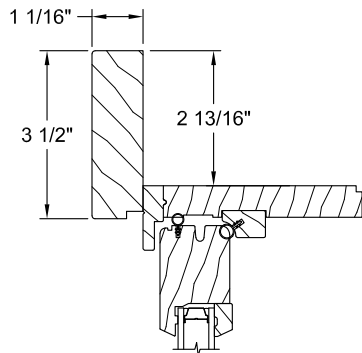
2" Flat Casing



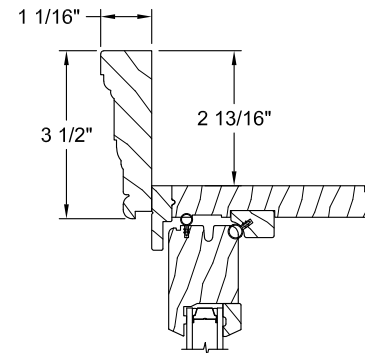
Heritage Casing



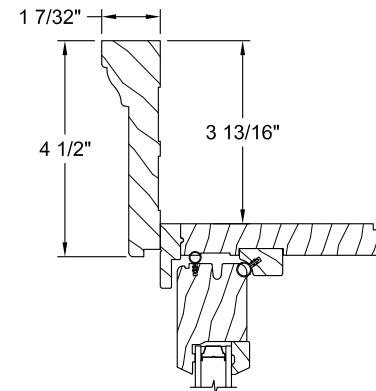
RB-3 Casing



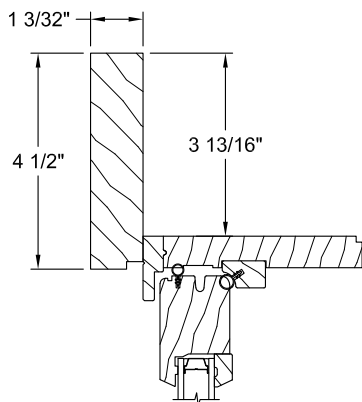
3 1/2" Flat Casing



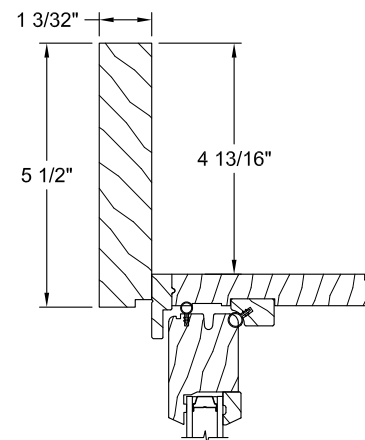
Adams Casing



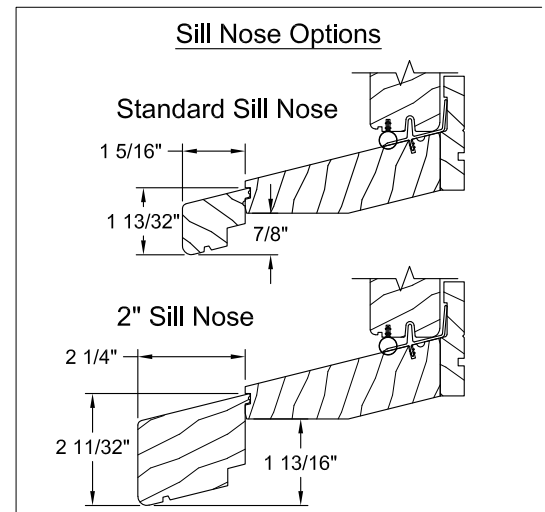
1 x 4 w/ Backband Casing



4 1/2" Casing

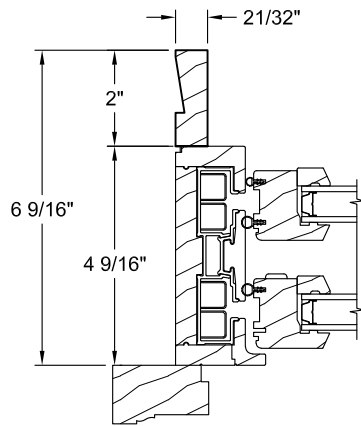


5 1/2" Casing

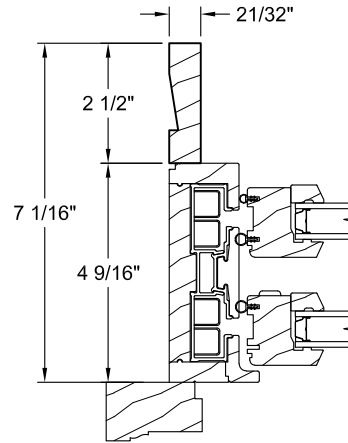




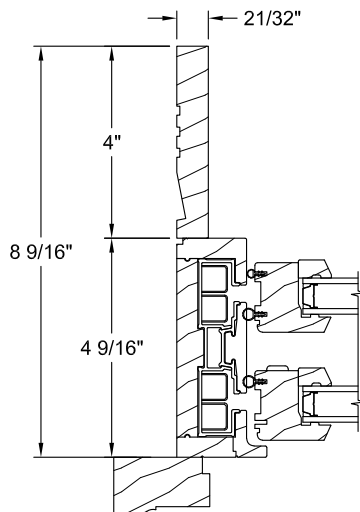
JAMB EXTENDER & PREP FOR STOOL OPTIONS



6 9/16" Jamb Width
4 9/16" Jamb Thickness



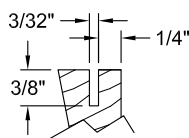
7 1/16" Jamb Width
4 9/16" Jamb Thickness



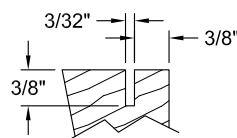
8 9/16" Jamb Width
4 9/16" Jamb Thickness

Return Kerf:

Generally located from first visible interior frame line. Kerfed option available on all jamb extender sizes.

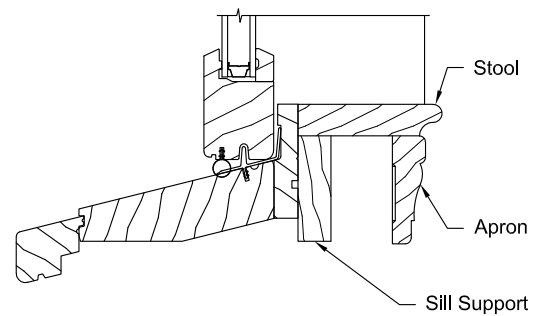


4/4 Jamb Typ.



5/4 Jamb Typ.

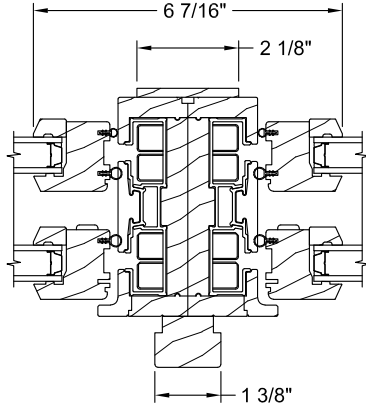
Prep for Stool



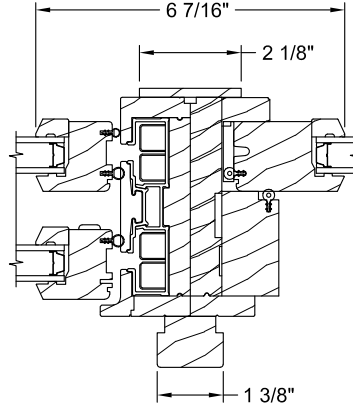
Note: Stool, apron, and sill support are applied by trim carpenter after window is installed and are not provided by JELD-WEN. Unit is shipped without sill jamb extenders.



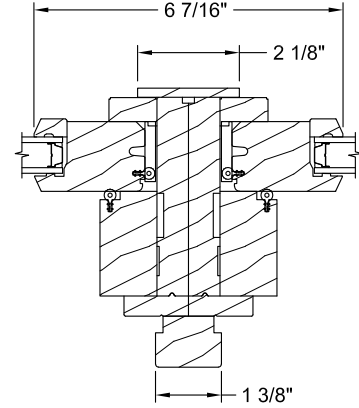
MULLION OPTIONS



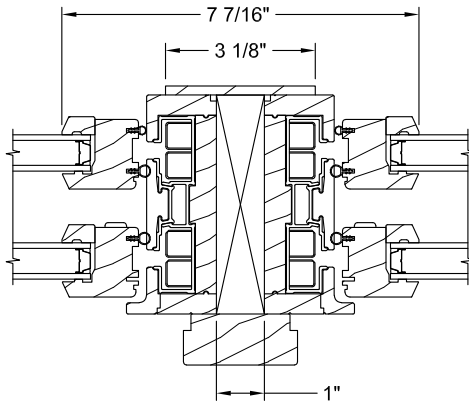
Operator / Operator



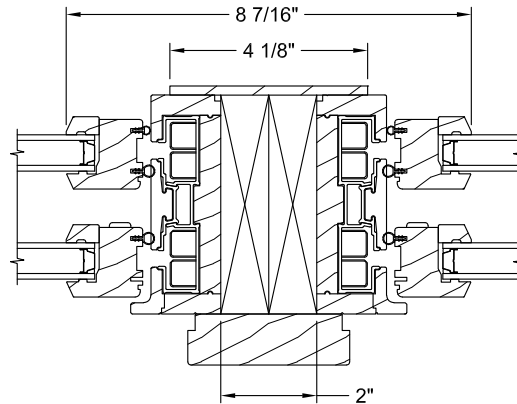
Operator / Stationary



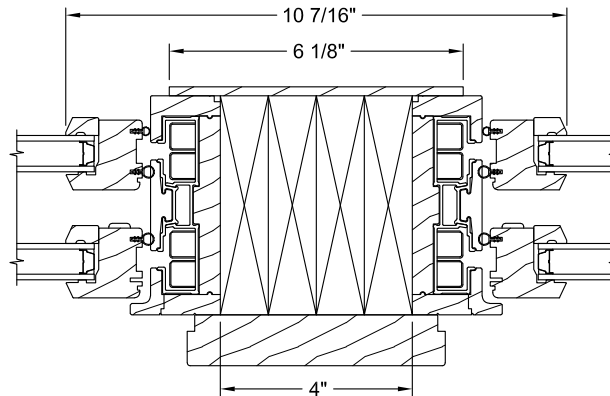
Stationary / Stationary



Operator / Operator
with 1" Solid Spread Mull



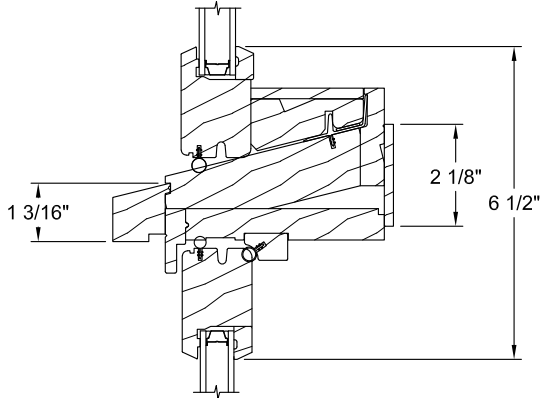
Operator / Operator
with 2" Solid Spread Mull



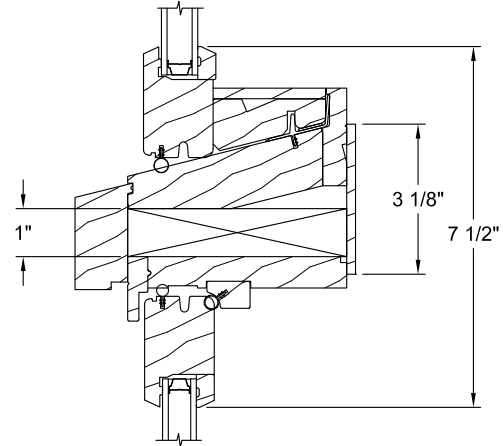
Operator / Operator
with 4" Solid Spread Mull



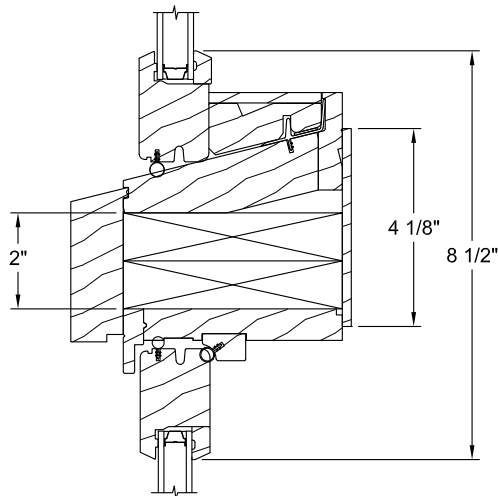
MULLION OPTIONS



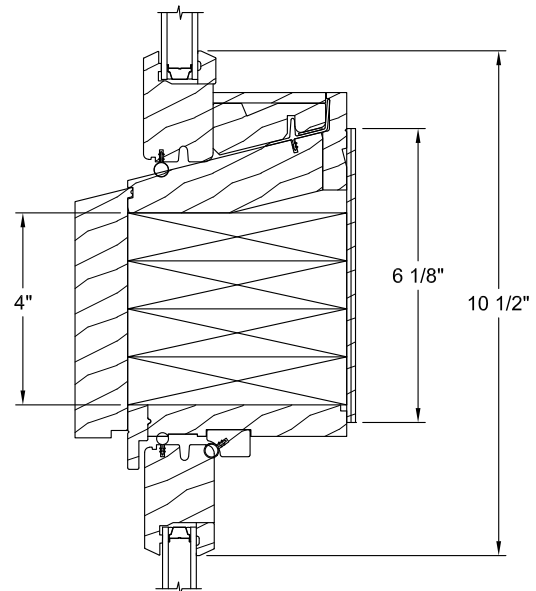
Stationary
Operator



Stationary
Operator
With 1" Solid Spread Mull



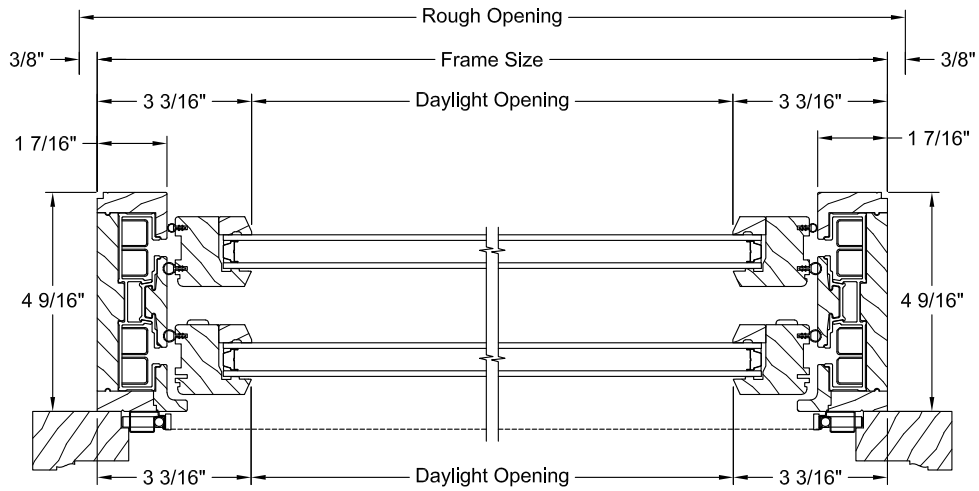
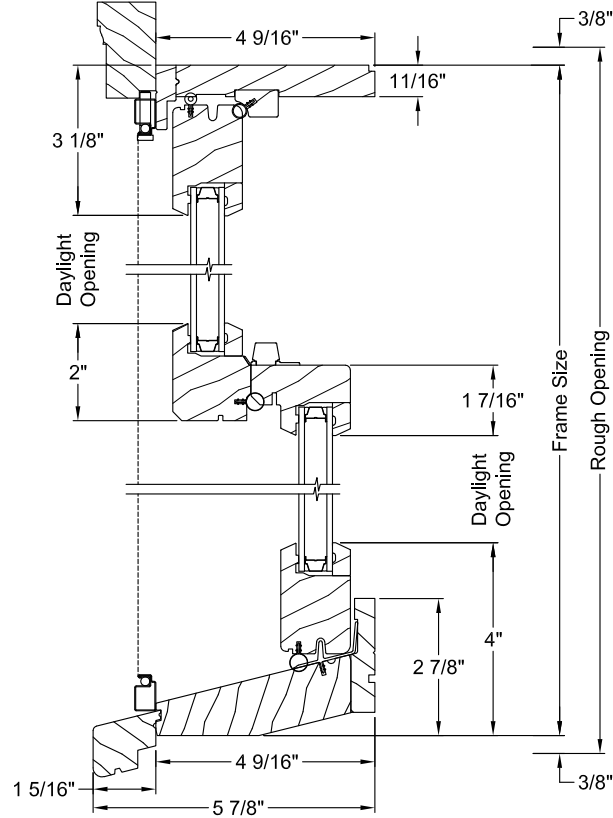
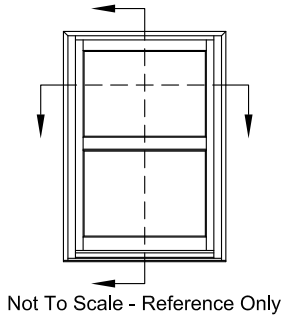
Stationary
Operator
With 2" Solid Spread Mull



Stationary
Operator
With 4" Solid Spread Mull

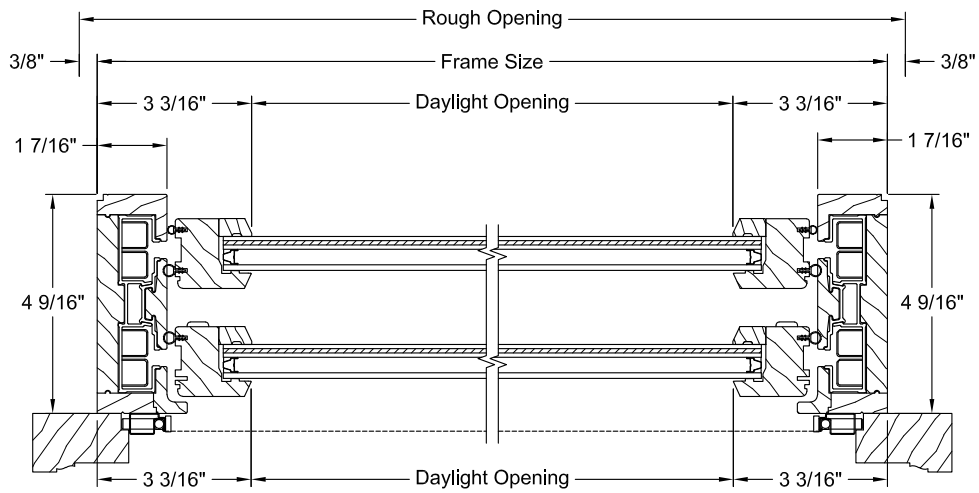
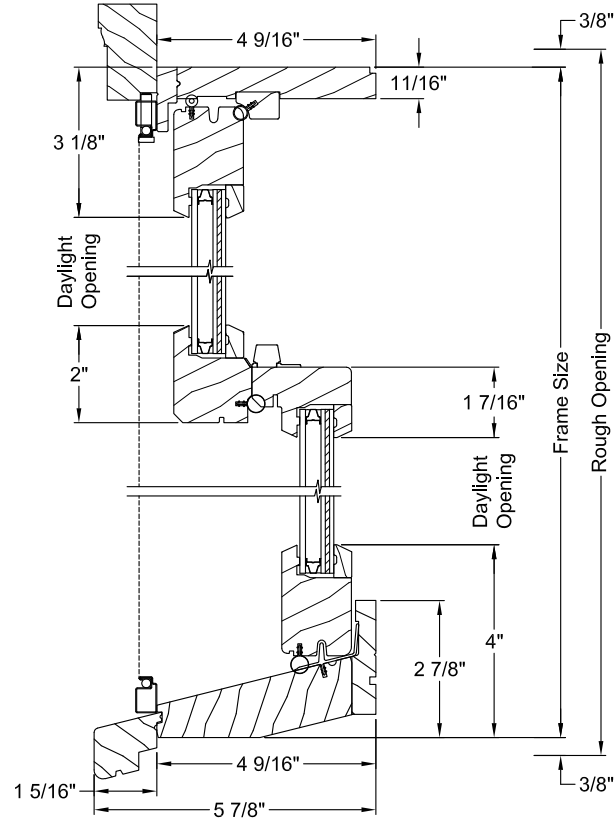
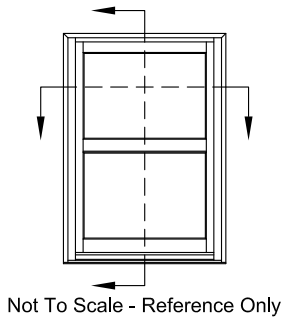


OPERATOR SECTIONS





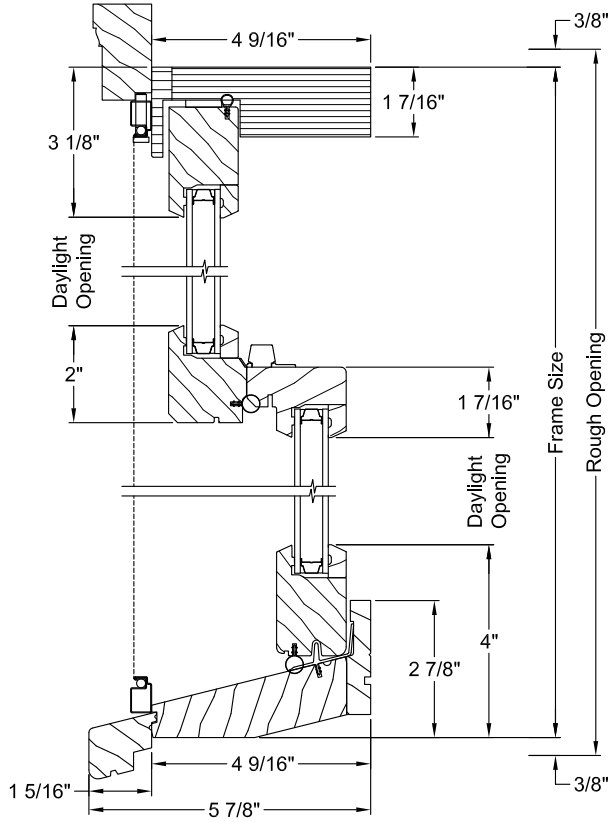
OPERATOR IMPACT SECTIONS



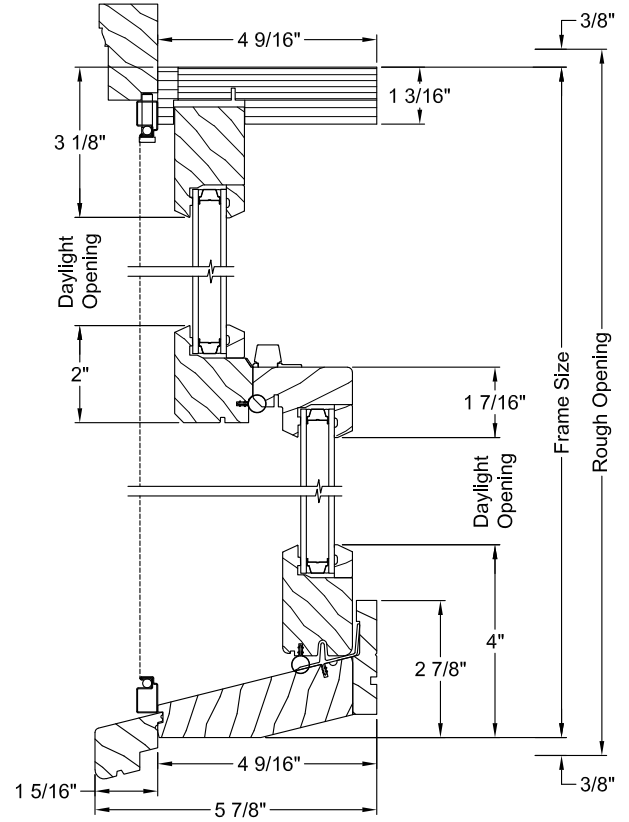


OPERATOR RADIUS TOP / SEGMENT HEAD - VERTICAL SECTIONS

Operator Radius Top

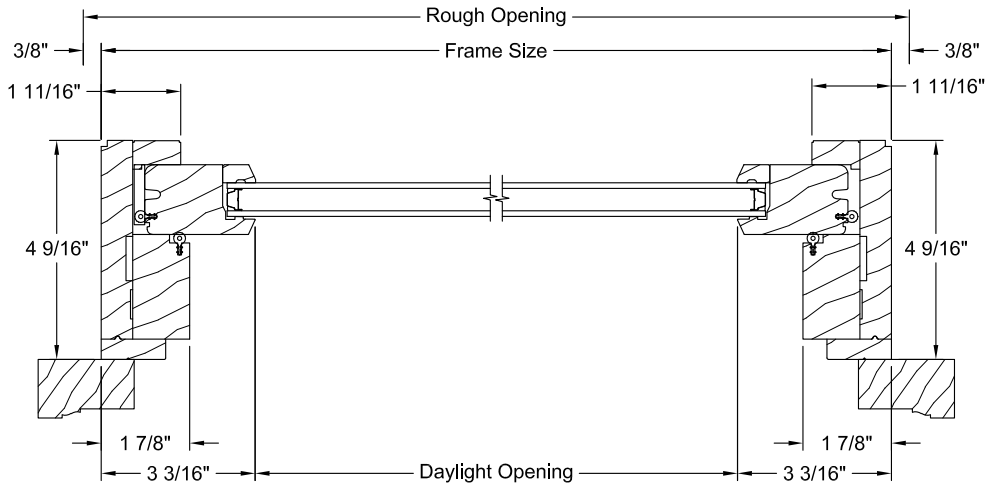
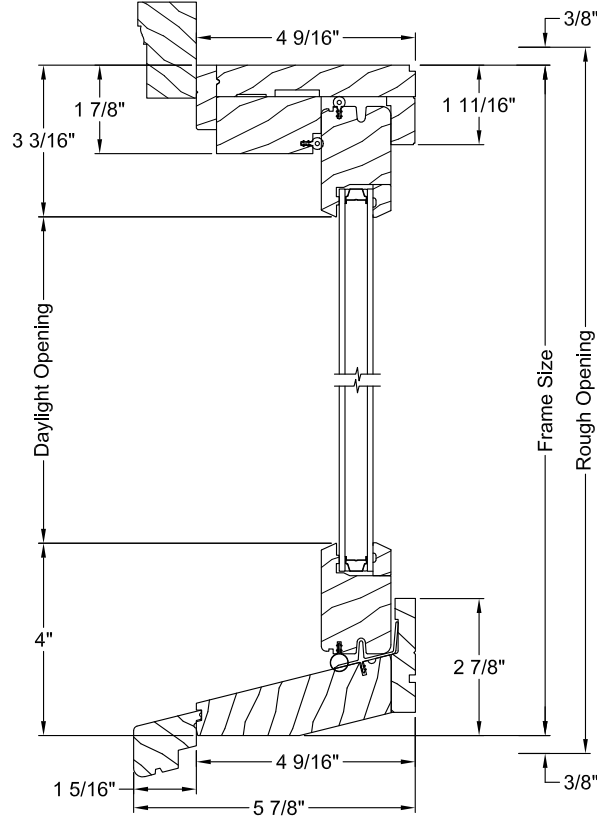
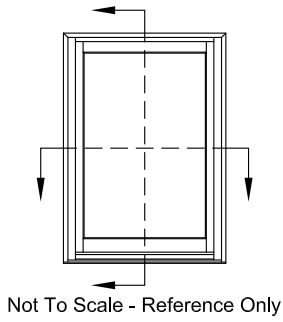


Operator Segment Head



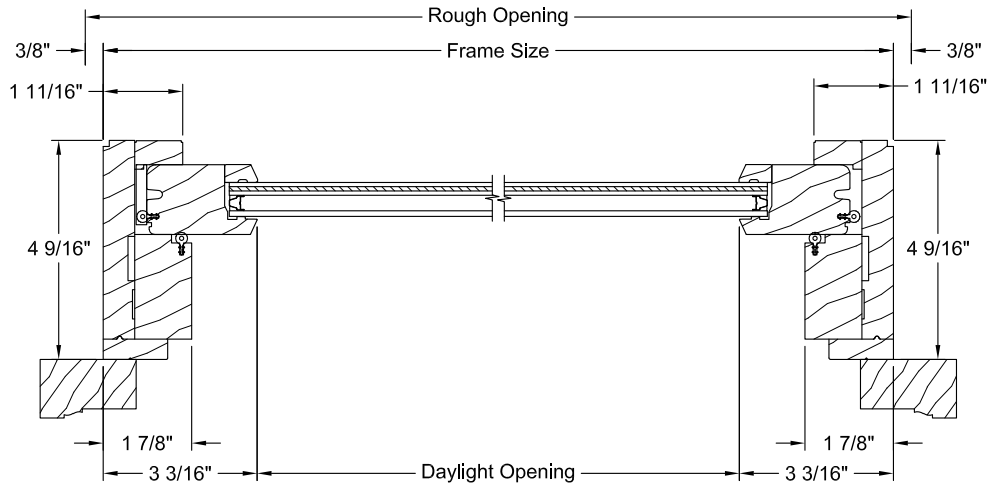
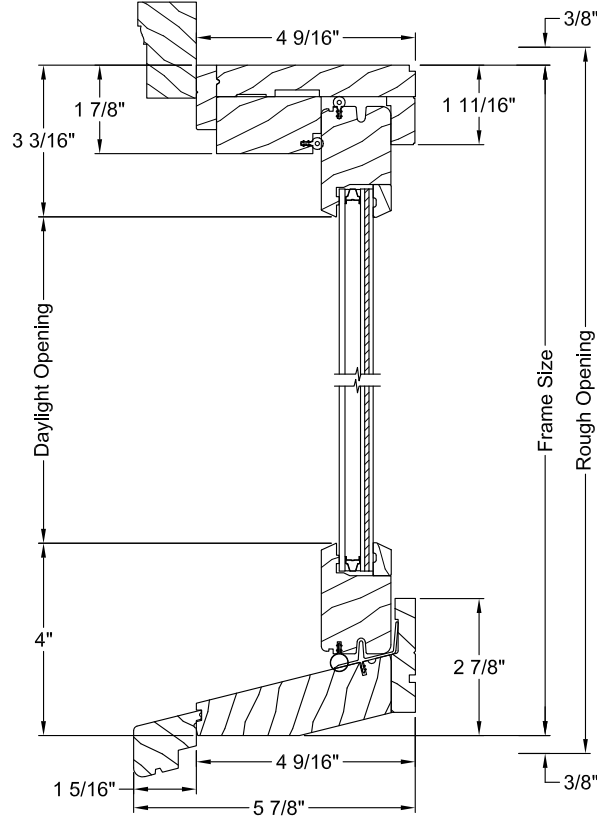
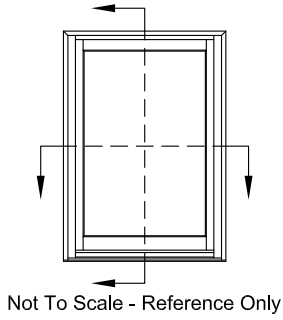


PICTURE SECTIONS



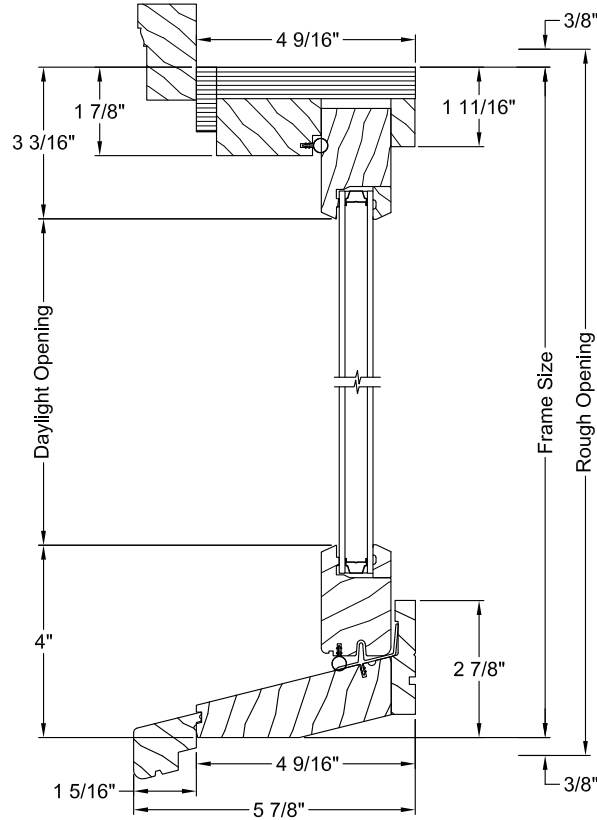
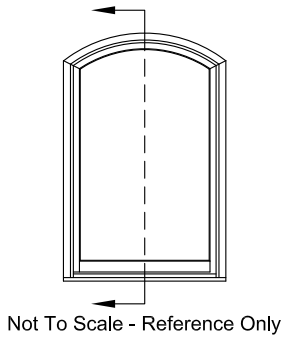


PICTURE IMPACT SECTIONS





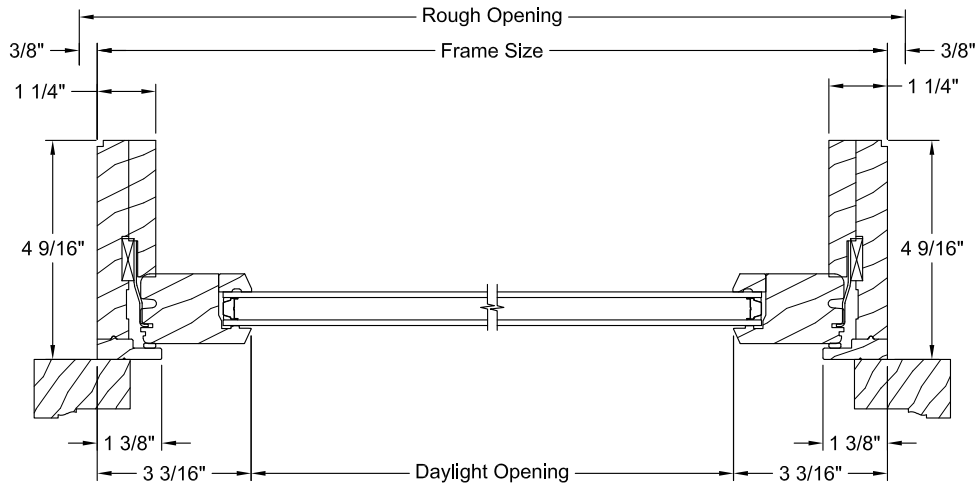
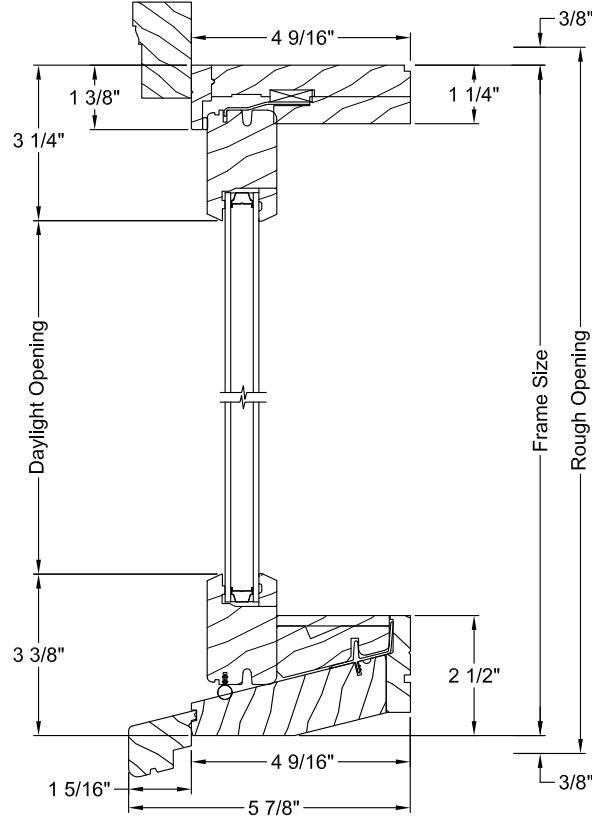
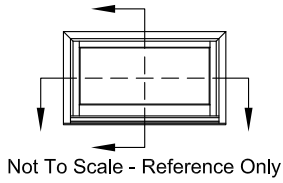
PICTURE RADIUS TOP & SEGMENT HEAD - VERTICAL SECTION



Note: Picture Radius Top & Picture Segment Head have the same cross-section

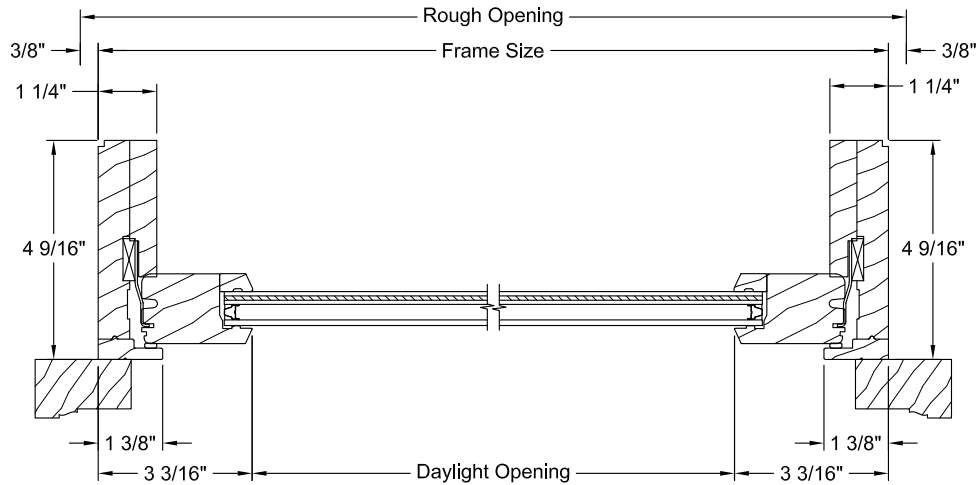
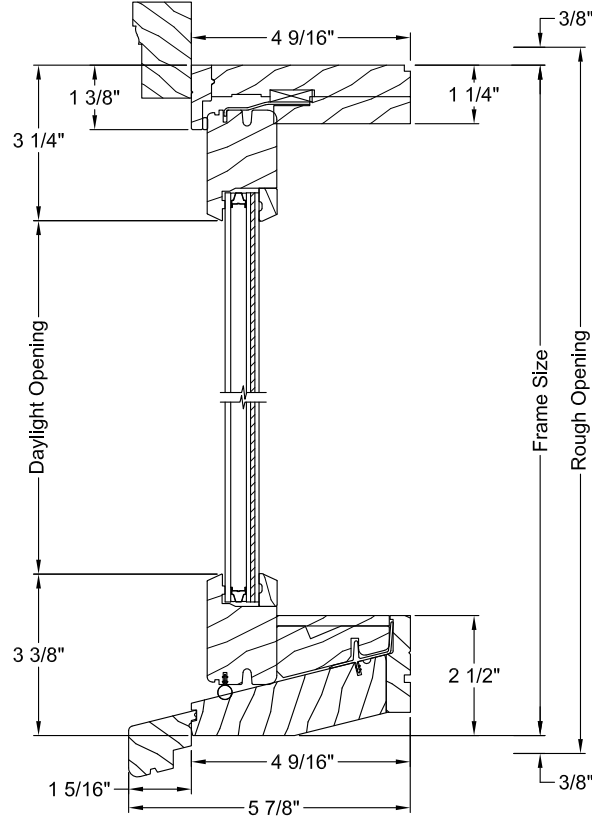
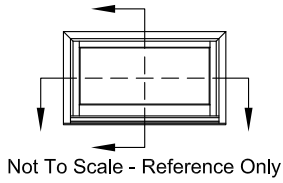


TRANSOM SECTIONS



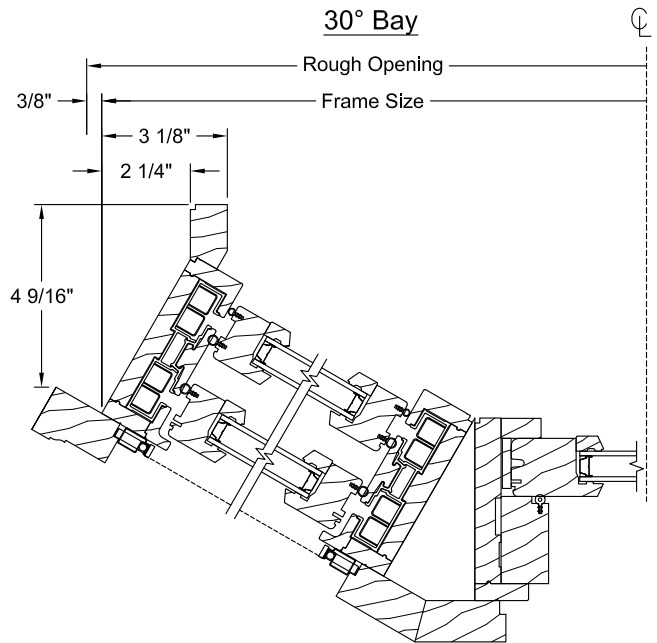
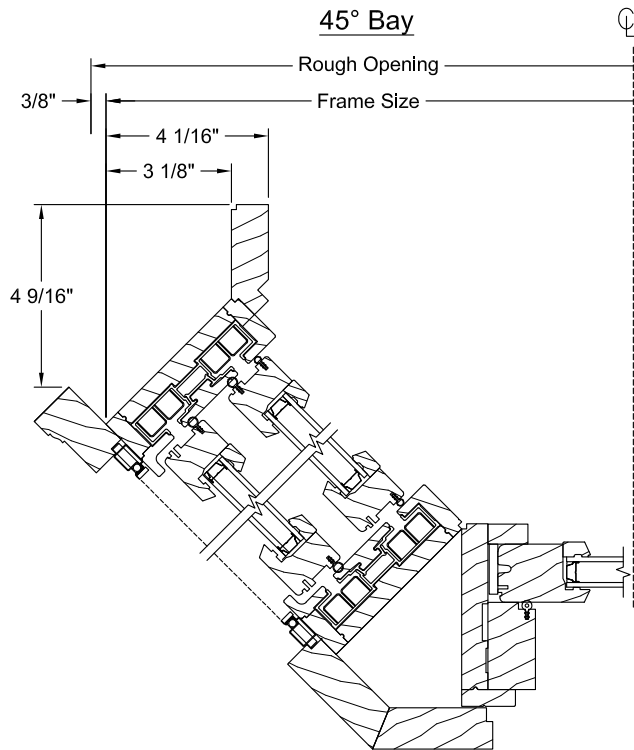
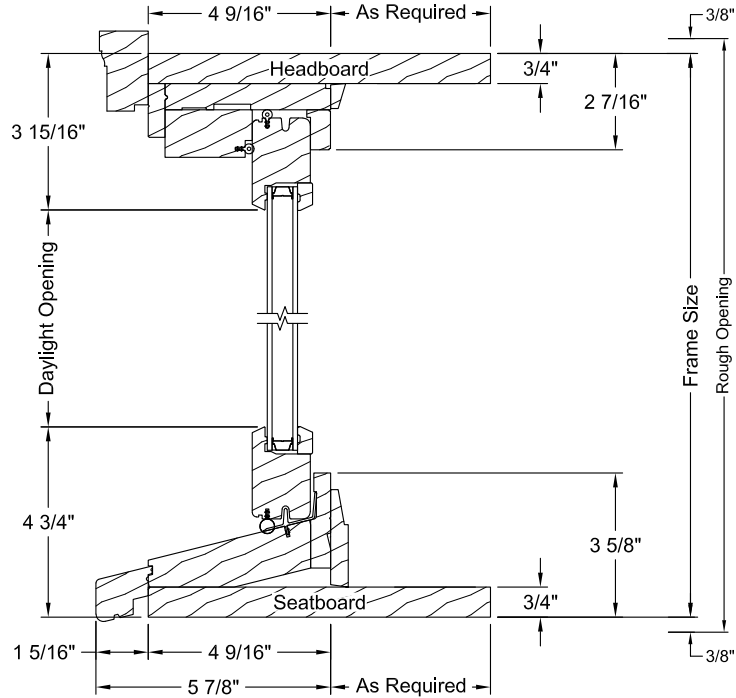


TRANSOM IMPACT SECTIONS





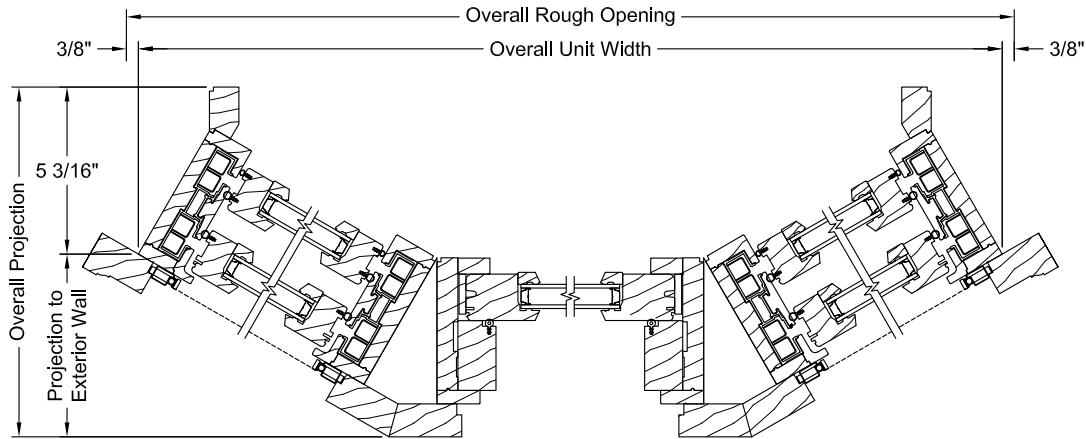
BAY SECTIONS



Note: Horizontal views symmetrical across centerline



BAY STANDARD PROJECTIONS



30° Bay				
Flanker Width	Overall Unit Width*	Overall Rough Opening*	Projection to Exterior Wall	Overall Projection
21 3/8"	85 5/8"	86 3/8"	11 5/16"	16 1/2"
25 3/8"	92 9/16"	93 5/16"	13 5/16"	18 1/2"
29 3/8"	99 1/2"	100 1/4"	15 5/16"	20 1/2"
31 3/8"	102 15/16"	103 11/16"	16 5/16"	21 1/2"
33 3/8"	106 7/16"	107 3/16"	17 5/16"	22 1/2"
37 3/8"	113 3/8"	114 1/8"	19 5/16"	24 1/2"
41 3/8"	120 5/16"	121 1/16"	21 5/16"	26 1/2"
45 3/8"	127 3/16"	127 15/16"	23 5/16"	28 1/2"

45° Bay				
Frame Width	Overall Unit Width*	Overall Rough Opening*	Projection to Exterior Wall	Overall Projection
21 3/8"	80 3/4"	81 1/2"	16 7/16"	21 15/16"
25 3/8"	86 3/8"	87 1/8"	19 1/4"	24 3/4"
29 3/8"	92 1/16"	92 13/16"	22 1/8"	27 5/8"
31 3/8"	94 7/8"	95 5/8"	23 1/2"	29"
33 3/8"	97 11/16"	98 7/16"	24 15/16"	30 7/16"
37 3/8"	103 3/8"	104 1/8"	27 3/4"	33 1/4"
41 3/8"	109"	109 3/4"	30 9/16"	36 1/16"
45 3/8"	114 11/16"	115 7/16"	33 7/16"	38 15/16"

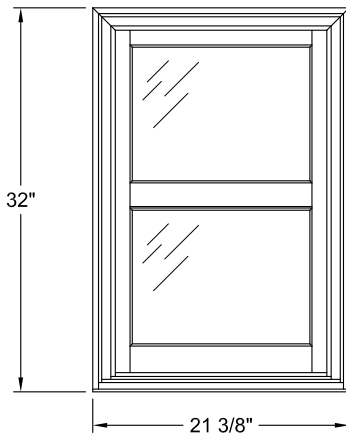
Note: 30° bay shown for reference only.

Table values calculated using 4 9/16" jamb depths and standard nail fin.

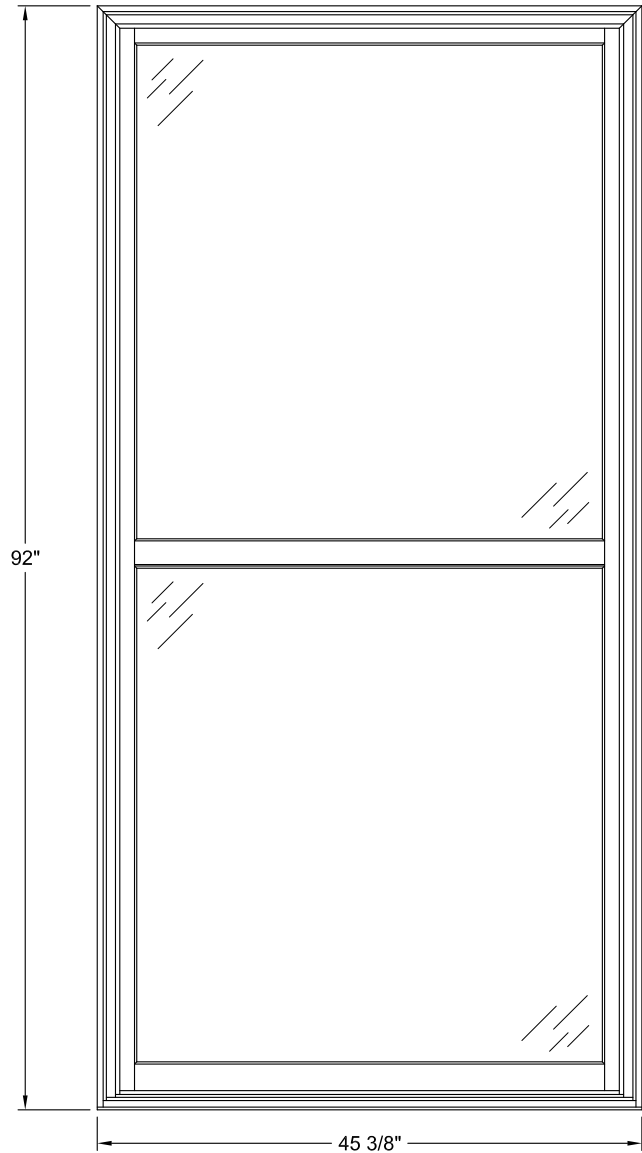
* Overall Unit Width and Overall Rough Opening calculated using a 44 1/16" Center Frame Width. To calculate the values with a different Center Frame Width, add the difference of the Center Frame Widths to the overall width values.



MIN-MAX SIZING



Minimum Size:
21 3/8" x 32"



Maximum Size:
45 3/8" x 92"

Operator Width			
21 3/8"	25 3/8"	29 3/8"	33 3/8"
35 3/8"	37 3/8"	41 3/8"	45 3/8"
Operator Height			
32"	36"	40"	44"
48"	52"	56"	60"
64"	68"	72"	76"
80"	88"	92"	



FARMHOUSE

Siteline's warm, natural beauty complements the comfort, ruggedness, and soul of timeless farmhouse design.



CASEMENT AND AWNING WINDOWS

Maximize ventilation and add a clean, modern accent to any room in the house.

AESTHETIC APPEAL

Both styles feature recessed sash for architectural interest and energy efficiency, plus a choice of traditional or contemporary glazing profiles.

PERFORMANCE

Siteline's design includes heavier hardware and greater thermal performance to help you achieve better efficiency.

PUSH-OUT OPTIONS

We also offer push-out styles that feature swinging screens and stylishly simple push-out handles.

DOUBLE-HUNG WINDOWS

State-of-the-art engineering meets traditional design, with a variety of elegant options and innovative features.



BEAUTY

Concealed jamb liners create a uniform appearance that's unique to Sitaline®.

EXTERIOR CLAD TRIM

Select one of our exterior clad trim options to create the architectural look you want for your windows: historical, transitional, or contemporary.



Adams



3 1/2" Flat



Brickmould

OTHER OPTIONAL TRIM



2" Exterior Jamb Extension



Standard



1" Sill Nosing



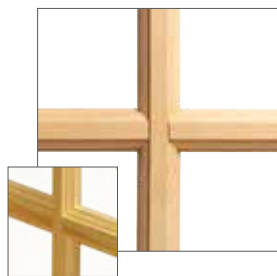
2" Sill Nosing

DIVIDED LITES

Add architectural interest to your JELD-WEN® Sitrine® wood and clad-wood windows with one of our decorative grille options. These options include traditional or contemporary Simulated Divided Lites (SDL) for an authentic look, Full-Surround (FS) wood grilles that can be removed for easy cleaning, and maintenance-free Grilles Between the Glass (GBG).



Simulated Divided Lites (SDL)



Full-Surround (FS) Wood Grilles



Grilles Between the Glass (GBG)



Contemporary Simulated Divided Lites (SDL)

GLASS

LOW-E INSULATING GLASS

Our standard high-performance Low-E insulating glass enhances energy conservation by helping homes stay cooler in the summer and warmer in the winter. Low-E glass provides greater protection against solar heat gain, reduces condensation, and helps limit fading of interior furnishings. Additional Low-E glass options are available for improved thermal performance.

DIRT-RESISTANT GLASS

Standard for all Sitaline® products, this innovative product harnesses the sun's UV rays to loosen dirt from the glass, so that rainwater can easily rinse away any grime. No manual activation is required.

PROTECTIVE FILM

Standard for all Sitaline® products, this film is factory-applied to both sides of the glass. It protects against debris and scratches during shipping and handling or at a construction site. Easy to remove, it saves clean-up time after installation.

TEMPERED GLASS

Treated with heat in order to withstand greater force or pressure on its surface, tempered glass will not break into sharp pieces. It is used most frequently on patio doors or windows installed near floor level.

ENERGY STAR® OPTIONS

Many JELD-WEN® windows and doors are ENERGY STAR certified, which means they exceed the minimum energy efficiency criteria for the climate region in which you live. JELD-WEN has been a proud ENERGY STAR partner since 1998. Please see your local dealer for options in your area.

SPACERS

STANDARD

For even more versatility, spacer bar color options enhance the appearance of your windows.



THERMOPLASTIC

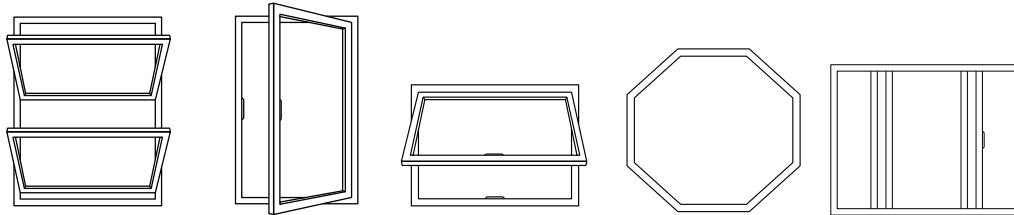
Our insulating glass may now be ordered with a state of the art black thermoplastic spacer that “disappears” into the window while providing the best thermal performance and the lowest seal failure rates of any spacer on the market.

BLINK® BLINDS

Select Sitaline® windows and patio doors are available with Blink® Blinds + Glass. This exceptional blinds-between-the-glass offering delivers a clean, modern design with a choice of six colors, plus performance glass options. Blink blinds never need dusting, and there are no exposed cords.

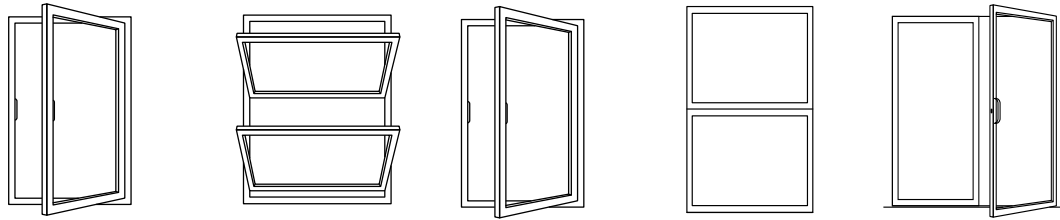


PRODUCT DETAIL MATRIX



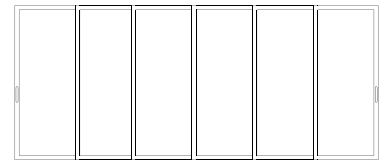
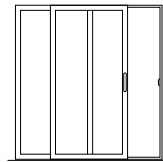
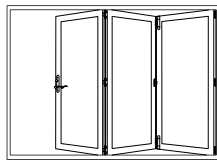
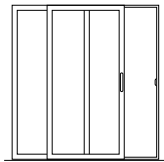
	Double-Hung	Casement	Awning	Geometric	Sliding
Hardware	Sash lock with integrated tilt latches	Nesting handle	Nesting handle	N/A	Sash lock
Hardware Finishes	9 Finishes	9 Finishes	9 Finishes	9 Finishes	9 Finishes
Glass Options	50+ Choices	50+ Choices	50+ Choices	50+ Choices	50+ Choices
Sizes: Min Max	21 3/8" x 32" 45 3/8" x 92"	18" x 18" 36" x 84"	18" x 18" 60" x 48"	18" x 18" 108" x 78"	29" x 23" 72" x 60"
Grilles	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs
Performance Rating	45 3/8" x 80" - PG 50, WZ3 - PG +50/-65	36" x 72" - PG 50, WZ3 - PG +50/-65	48" x 48" - PG 50, WZ3 - PG +50/-65	84" x 84" - PG 50, WZ3 - PG +50/-65	72" x 60" - PG30
Configurations	Special Mulls, Transoms, Bays & Bows, Multiples	Special Mulls, Transoms, Bays & Bows, Multiples	Special Mulls, Transoms, Multiples	Special Mulls, Multiples	N/A
Spacer Color	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver
Blink® Blinds	N/A	White, Tan, Sand, Espresso, Silver Moon, Slate Gray	White, Tan, Sand, Espresso, Silver Moon, Slate Gray	White, Tan, Sand, Espresso, Silver Moon, Slate Gray	N/A

Other options available, including impact-rated options (depending on operating type) and screens.
 For more information, please see your JELD-WEN representative or visit jeld-wen.com.



	Push-out Casement	Double-Hung Pocket	Casement Pocket	Sash Pack	Swinging Patio Doors
Hardware	Push-out handle	Sash lock with integrated tilt latches	Nesting handle	Sash lock with integrated tilt latches	Harleston™, Whitby™, Belmar™
Hardware Finishes	9 Finishes	9 Finishes	9 Finishes	9 Finishes	10 Finishes
Glass Options	50+ Choices	50+ Choices	50+ Choices	50+ Choices	50+ Choices
Sizes: Min Max	18" x 18" 36" x 72"	21 3/8" x 31 7/32" 45 3/8" x 92"	18" x 18" 36" x 72"	20" x 30" 40" x 90"	23 5/8" x 79 1/2" 43" x 98 1/2" (Panel Size)
Grilles	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs
Performance Rating	36" x 72" - PG50	45" x 78" - PG50	36" x 72" - PG35	N/A	Inswing: PG35, PG50 Limited Water Outswing: PG50 WZ3 available
Configurations	Special Mulls, Transoms, Bays & Bows, Multiples	N/A	N/A	N/A	X, OX, XO, OXXO Sidelites & Transoms available
Spacer Color	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver
Blink® Blinds	N/A	N/A	N/A	N/A	N/A

PRODUCT DETAIL MATRIX



	Sliding Patio Doors	Folding Patio Doors	Low-Friction Glider™	Multi-Slide
Hardware	Harleston™, Whitby™, Belmar™	Standard	Hoppe®	Recessed
Hardware Finishes	10 Finishes	10 Finishes	3 Finishes	3 Finishes
Glass Options	50+ Choices	50+ Choices	4 Choices	Low-E
Sizes: Min Max	30" x 79" 48" x 96" (Panel Size)	62 1/2" x 80 3/8" 148" x 96" (Panel Size)	39" X 79 1/2" (1-Panel Size) 291 1/8" X 122 1/2" (4-Panel Size)	62 1/2" x 80 3/8" 148" x 96" (Panel Size) Openings up to 57'
Grilles	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	GBG: 5/8" Flat, 23/32" Contoured, 1" Contoured Bead: 7/8", 1 1/8", 1 3/8", 2 5/16" Putty: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Contemporary: 5/8", 7/8", 1 1/8", 1 3/8", 2 5/16" Combination SDL available: mix and match designs	Bead: 7/8" Putty: 7/8" Contemporary: 7/8"	Bead: 7/8" Putty: 5/8", 7/8"
Performance Rating	2-Panel Wide Stile - PG65 4-Panel Wide Stile - PG25 2-Panel Narrow Stiles - PG40 4-Panel Narrow Stiles - PG25	PG35 (Pending Configurations)	PG35 & PG50 (Pending Configuration & Sizing)	PG35 & PG50 (Pending Configuration & Sizing)
Configurations	OX, XO, OXXO Transoms Available	2-, 3-, or 4-Panel	Fixed, OX, XO, OOX, XOO, OXO, OXXO	6 panels in one direction or 12 panels in bi-parting direction w/ pocketing options
Spacer Color	Black (Standard), Gray & Silver	Black (Standard), Gray & Silver	Black, Gray, Silver	Black, Gray, Silver
Blink® Blinds	White, Tan, Sand, Espresso, Silver Moon, Slate Gray	N/A	N/A	N/A