



Paul Booth

[Remove Comment](#) • Dec 8, 2021 at 11:16 am

Hello Alicia,

Per the note in the agenda for tonight's AHRB meeting, I have attached spec sheets for the shingles and windows that I expect we will use. Goal is to match existing materials as much as possible.

Roof shingles - Certaineed Landmark AR shingles in Moire Black -- this is what is on the house now.

Window - one new window. The closest available match to the existing Jeld-Wen double-hung windows in the 1977 wing of the house is the Jeld-Wen Sitrine double-hung. We will use the same SDL grid as in the current windows.

Siding will be redwood or cedar clapboards with spacing to match the rest of the house.

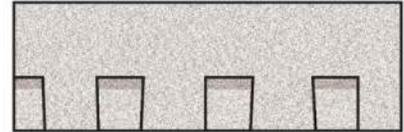
I hope this helps. Our architect can provide additional information at the meeting if needed.

Thank you,
Paul

Landmark[®], Landmark[®] Premium, Landmark[®] Pro Shingles,
Landmark[®] Pro/Architect 80 (NW Region Only) Shingles

PRODUCT INFORMATION

Landmark shingles reflect the same high manufacturing standards and superior warranty protection as the rest of CertainTeed's line of roofing products. Landmark Premium (and Algae Resistant-AR), Landmark PRO (and AR) and Landmark (and AR) are built with the industry's toughest fiber glass mat base, and their strict dimensional tolerance assures consistency. Complex granule color blends and subtle shadow lines produce a distinctive color selection. Landmark is produced with the unique NailTrak[®] nailing feature. **Please see the installation instruction section below for important information regarding NailTrak.**



In the Northwest Region Landmark PRO (AR) is double-branded as Landmark PRO/Architect 80 (AR).

Landmark algae-resistant (AR) shingles are algae-resistant and help protect against dark or black discoloration, sometimes called staining or streaking, caused by blue-green algae. AR shingles are not available in all regions.

Colors: Please refer to the product brochure or CertainTeed website for the colors available in your region.

Limitations: Use on roofs with slopes greater than 2" per foot. Low-slope applications (2:12 to < 4:12) require additional underlayment. In areas where icing along eaves can cause the back-up of water, apply CertainTeed WinterGuard[®] Waterproofing Shingle Underlayment, or its equivalent, according to application instructions provided with the product and on the shingle package.

Product Composition: Landmark Series shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. Two pieces of the shingle are firmly laminated together in a special, tough asphaltic cement. All Landmark shingles have self-sealing adhesive strips.

Applicable Standards

ASTM D3018 Type I
ASTM D3462
ASTM E108 Class A Fire Resistance
ASTM D3161 Class F Wind Resistance
ASTM D7158 Class H Wind Resistance
UL 790 Class A Fire Resistance

ICC-ES ESR-1389 and ESR-3537
CSA Standard A123.5 (Regional)
Miami-Dade Product Control Approved
Florida Product Approval # FL5444
Meets TDI Windstorm Requirements

Technical Data:

	Landmark (and AR)	Landmark PRO* (and AR)	Landmark Premium (and AR)
Weight/Square (approx.)	219 to 238 lb **	240 to 267 lb **	300 lb
Dimensions (overall)	13 1/4" x 38 3/4"	13 1/4" x 38 3/4"	13 1/4" x 38 3/4"
Shingles/Square (approx.)	66	66	66
Weather Exposure	5 5/8"	5 5/8"	5 5/8"

*Includes Landmark PRO AR/Architect 80

**Dependent on manufacturing location

INSTALLATION

Detailed installation instructions are supplied on each bundle of Landmark shingles and must be followed. Separate application sheets may also be obtained from CertainTeed.

Hips and Ridges: For capping hip and ridge apply CertainTeed Shadow Ridge®, Cedar Crest® or Mountain Ridge® shingles of a like color.

MAINTENANCE

These shingles do not require maintenance when installed according to manufacturer's application instructions. However, to protect the investment, any roof should be routinely inspected at least once a year. Older roofs should be looked at more frequently.

WARRANTY

Landmark Premium (and AR), Landmark PRO/Architect 80 AR, Landmark PRO (and AR), and Landmark (and AR) shingles carry a lifetime limited, transferable warranty to the consumer against manufacturing defects when applied to stated CertainTeed application instructions for this product. In addition, Landmark Premium (and AR), Landmark PRO (and AR), Landmark PRO/Architect 80 AR, and Landmark (and AR) carry 10-years of SureStart™ Protection. Landmark AR shingles carry a 10-year algae resistance warranty. Landmark Premium AR, Landmark PRO AR, and Landmark PRO/Architect 80 AR shingles carry a 15-year algae resistance warranty. For specific warranty details and limitations, refer to the warranty itself (available from the local supplier, roofing contractor or on-line at www.certainteed.com).

FOR MORE INFORMATION

Sales Support Group: 800-233-8990

Web site: www.certainteed.com

See us at our on-line specification writing tool, CertaSpec®, at www.certainteed.com/certaspec.

CertainTeed

20 Moores Road
Malvern, PA 19355

© 01/20 CertainTeed



Now Including **NorthGate® ClimateFlex®** Impact Resistant Shingles

LANDMARK® SERIES

Designer Roofing Shingles



CertainTeed
SAINT-GOBAIN

Landmark, shown in Weathered Wood



NOTE: Due to limitations of printing reproduction, CertainTeed can not guarantee the identical match of the actual product color to the graphic representations throughout this publication.



Trust Your Home to Landmark®

Few things in this world are as precious as the place that you call home. It is much more than just a house. It's the foundation from which you build your life. That's why having a roof that gives your home long-lasting curb appeal and protection from the elements is so important. At CertainTeed, our benchmark for success is our customers' total peace of mind. And we wouldn't have it any other way.

Our dedication to making the highest-quality roofing systems continues to earn the respect of top building professionals. And our product portfolio offers the widest variety of design and color options in the industry. It's no wonder that more than a million homeowners across North America choose CertainTeed each year.

And the job doesn't stop once the roof goes on. Every CertainTeed product is backed by our industry-leading manufacturer's warranty, allowing you to rest confidently and comfortably for years to come.



Technology that protects
the beauty of your roof and
strengthens its performance.





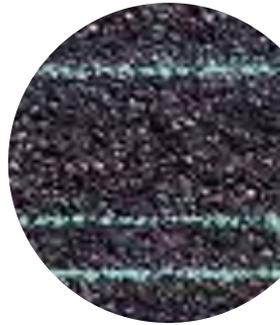
NailTrak[®]

Fast, Accurate, Visible

The new and improved **NailTrak** nailing line, a feature on CertainTeed designer shingles.

Now **NailTrak** is brighter than ever before, with high-visibility lines that stand out whether it's daybreak or dusk.

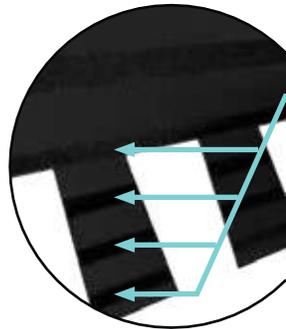
NailTrak removes the guesswork with three separately defined lines, creating a large area to guide your nailing and a smaller area for extreme steep-slope applications.



QuadraBond[™]

Advanced Layering

CertainTeed's specially formulated adhesive adheres shingle layers at four points, more than any other manufacturer. This superior bond provides greater protection against shingle delamination to maximize performance over the life of the shingle in any climate.



StreakFighter[®]

Algae Resistance

The ultimate in stain protection.

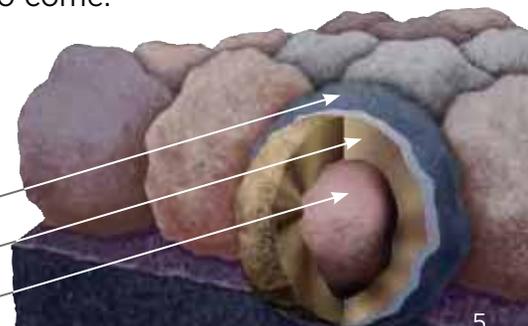
Those streaks you see on other roofs in your neighborhood? That's algae, and it's a common eyesore on roofing throughout North America. CertainTeed's **StreakFighter** technology uses the power of science to repel algae before it can take hold and spread. **StreakFighter's** granular blend includes naturally algae-resistant copper, helping your roof maintain its curb appeal and look beautiful for years to come.

Granule with StreakFighter Technology

Ceramic coating

Copper layer

Mineral core



Landmark, shown in Weathered Wood

Diagram for illustrative purposes only.



The Trusted Classic

LANDMARK®

Owning a Landmark roof brings peace of mind. Landmark's dual-layered construction and exceptional durability provide long-lasting protection for your home.

- Dual-layered for extra dimensionality and protection from the elements
- Offers the widest array of colors in the industry
- Independently certified as meeting the highest quality standards for roofing



Silver Birch

LANDMARK® COLOR PALETTE



Silver Birch



Cobblestone Gray



Georgetown Gray



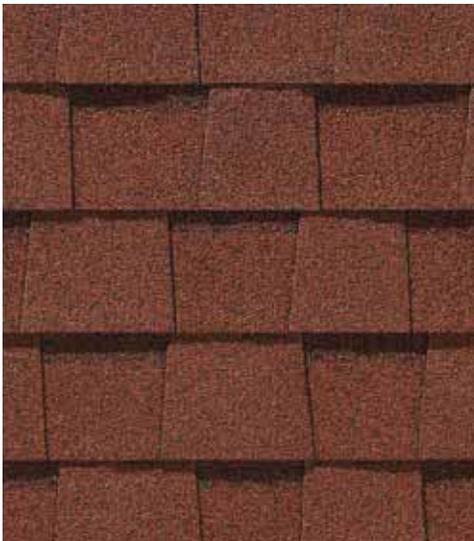
Pewterwood



Moire Black



Charcoal Black



Cottage Red



Hunter Green



Atlantic Blue



Weathered Wood



Driftwood



Colonial Slate



Heather Blend



Burnt Sienna



Resawn Shake



The Expert's Choice

LANDMARK® PRO

A refined union of vision and value, our PRO line leads its class in optimal performance and variety of color.

- Engineered to meet professional contractors' exacting specifications
- Available in a wide selection of eye-catching **Max Def** colors
- Outweighs standard laminates to provide greater protection from the elements



Max Def Moire Black

LANDMARK® PRO COLOR PALETTE



Max Def Cobblestone Gray



Max Def Georgetown Gray



Max Def Weathered Wood



Max Def Pewterwood



Max Def Heather Blend



Max Def Shenandoah



Max Def Atlantic Blue

MAX DEF COLORS

Look deeper. With Max Def, a new dimension is added to shingles with a richer mixture of surface granules. You get a brighter, more vibrant, more dramatic appearance and depth of color. And the natural beauty of your roof shines through.



Max Def Colonial Slate



Max Def Driftwood



Max Def Moire Black



Max Def Charcoal Black



Max Def Burnt Sienna



Max Def Resawn Shake



Outstanding Durability

NORTHGATE® **ClimateFlex**®

Featuring the latest advances in polymer science, CertainTeed's **ClimateFlex** technology works at a molecular level to make shingles strong and pliable. The rubber-like qualities of the **ClimateFlex** asphalt formula provides each shingle with improved hail resistance, cold-weather flexibility, and granule adhesion than traditional asphalt shingles.

- Highest industry-rated impact protection
- Better pliability and granule adhesion
- Endures weathering and cold-weather extremes



Max Def Weathered Wood

NORTHGATE® ClimateFlex® COLOR PALETTE



Max Def Georgetown Gray



Max Def Driftwood



Max Def Moire Black



Max Def Heather Blend



Max Def Weathered Wood



Max Def Pewter



Max Def Burnt Sienna



Max Def Resawn Shake

MAX DEF COLORS

Look deeper. With Max Def, a new dimension is added to shingles with a richer mixture of surface granules. You get a brighter, more vibrant, more dramatic appearance and depth of color. And the natural beauty of your roof shines through.



Top Shelf

LANDMARK[®] PREMIUM

A sophisticated look, brilliantly executed. Our Premium line is engineered to protect, enhance and endure.

- Outclasses ordinary roofing in both appearance and performance
- Tough two-piece laminated fiberglass-based construction
- Features **Max Def** colors for a deeper, richer mixture of surface granules



Max Def Weathered Wood

LANDMARK® PREMIUM COLOR PALETTE



Max Def Colonial Slate



Max Def Driftwood



Max Def Weathered Wood



Max Def Pewterwood



Max Def Moire Black



Max Def Burnt Sienna

MAX DEF COLORS

Look deeper. With Max Def, a new dimension is added to shingles with a richer mixture of surface granules. You get a brighter, more vibrant, more dramatic appearance and depth of color. And the natural beauty of your roof shines through.





Landmark, shown in Colonial Slate

Strength with Style

LANDMARK®

- Dual-layer durability
- Industry-best lifetime limited warranty
- 10-year **StreakFighter®** algae-resistance warranty

LANDMARK® PRO

- Dual-layer, high performance
- Max Def color palette
- Industry-best lifetime limited warranty
- 15-year **StreakFighter®** algae-resistance warranty

NORTHGATE® ClimateFlex®

- UL Classified to UL 2218 Class 4 Impact Resistance
- Dual-layer, high performance
- Max Def color palette
- Industry-best lifetime limited warranty
- 15-year **StreakFighter®** algae-resistance warranty

LANDMARK® PREMIUM

- Dual-layer, high performance
- Max Def color palette
- Industry-best lifetime limited warranty
- 15-year **StreakFighter®** algae-resistance warranty



LANDMARK SERIES

SPECIFICATIONS

- Two-piece laminated fiberglass-based construction
- Classic shades and dimensional appearance of natural wood or slate

For U.S. building code compliance, see product specification sheets.

CertainTeed products are tested to ensure the highest quality and comply with the following industry standards:

Fire Resistance:

- UL Class A
- UL certified to meet ASTM D3018 Type 1

Wind Resistance:

- UL certified to meet ASTM D3018 Type 1
- ASTM D3161 Class F

Tear Resistance:

- UL certified to meet ASTM D3462
- CSA standard A123.5

Wind Driven Rain Resistance:

- Miami-Dade Product Control Acceptance: Please reference www.certainteed.com to determine approved products by manufacturing location.
- UL Class 2218 for NorthGate **ClimateFlex®**

Impact Resistance:

- UL certified to meet UL 2218 Class 4 (NorthGate **ClimateFlex®**)

Quality Standards:

- ICC-ES-ESR-1389 & ESR-3537

WARRANTY

- Lifetime limited transferable warranty against manufacturing defects on residential applications
- 50-year limited transferable warranty against manufacturing defects on group-owned or commercial applications
- **StreakFighter®** algae-resistance warranty (10-year – Landmark, 15-year – Landmark PRO, NorthGate **ClimateFlex®** and Landmark Premium)
- 10-year SureStart™ protection
- 15-year 110 mph wind-resistance warranty
- Wind warranty upgrade to 130 mph available. CertainTeed starter and CertainTeed hip and ridge required

See actual warranty for specific details and limitations.

Product Comparison

	Traditional Designer Shingle Style	Industry Leading Granule Adhesion	Warranty Duration	Algae Warranty Coverage	Product Weight
Landmark	✓	✓	Lifetime	10-Year	✓
Landmark PRO	✓	✓	Lifetime	15-Year	✓✓
NorthGate ClimateFlex [®]	✓	✓	Lifetime	15-Year	✓✓
Landmark Premium	✓	✓	Lifetime	15-Year	✓✓✓



Depth/ Dimensional Appearance	NailTrak	Max Def Colors	ClimateFlex Technology (Cold Weather Installation)	ClimateFlex Technology (Impact Resistance)	Value Rating
✓	✓				Good
✓✓	✓	✓			Better
✓✓	✓	✓	✓	✓	Best
✓✓	✓	✓			Best



The ColorView® Visualizer: Design your Dream Home with the Click of a Mouse

CertainTeed created the ColorView tool to help homeowners bring their creative vision to reality.

Just look through a photo library of homes to choose one that looks most like your own. Then click on the roof to easily switch designs and see what CertainTeed product looks best. You can choose from hundreds of different roofing design and color combinations, and even add roof accents in different colors. All before anyone raises a hammer.

Want to visualize different roofing styles on your own home? You can upload photos to ColorView and have them digitally masked by one of our design professionals, or use DIY mode to upload and mask your own photos.

Plus, you can print or share your ColorView photos with family and friends to get their feedback. Visit colorview.certainteed.com and get started.





Add a Little Accent to Your Roof

The visually impactful choice for capping the hips and ridges of your roof, CertainTeed's Cedar Crest® accessory shingles will complement or match any shingle in the Landmark Series. For a low-profile hip and ridge look, CertainTeed also offers Shadow Ridge® accessory shingles. Also available in **ClimateFlex** version.

Color Companion Products for Flat Roof Areas

With CertainTeed Flintlastic® SA, you can coordinate flat roof areas like carports, canopies and porches with your main roof. Flintlastic SA is a self-adhering low slope roofing product available in ten colors that complement some of the most popular CertainTeed shingles.





Integrity Roof System™

A COMPLETE APPROACH TO LONG LASTING BEAUTY AND PERFORMANCE



With as much care as you take in selecting the right contractor, choosing the right roof system is equally as important. A CertainTeed Integrity Roof System combines key elements that help ensure you have a well-built roof for long-lasting performance.

1. Waterproofing Underlayment

The first step in your defense against the elements. Self-adhering underlayment is installed at vulnerable areas of your roof to help prevent leaks from wind-driven rain and ice dams.

2. Water-Resistant Underlayment

Provides a protective layer over the roof deck and acts as a secondary barrier against leaks.

3. Starter Shingles

Starter Shingles are the first course of shingles that are installed and designed to work in tandem with the roof shingles above for optimal shingle sealing and performance.

4. Shingles

Choose from a variety of Good-Better-Best styles to complement any roof design and fit your budget.

5. Hip & Ridge Caps

Available in numerous profiles, these accessories are used on the roof's hip and ridge lines for a distinctive finishing touch to your new roof.

6. Ventilation

A roof that breathes is shown to perform better and last longer. Ridge Vents, in combination with Intake Vents, allow air to flow on the underside of your roof deck, keeping the attic cooler in the summer and drier in the winter.

learn more at:

certainteed.com/roofing

Landmark Series
available in
areas shown



CertainTeed

CEILING • DECKING • FENCE • GYPSUM • INSULATION • RAILING • ROOFING • SIDING • TRIM

20 Moores Road Malvern, PA 19355 Professional: 800-233-8990 Consumer: 800-782-8777 certainteed.com



JELD WEN
WINDOWS & DOORS

Siteline[®]
Clad-Wood Windows
Double-Hung

Architectural Design Manual



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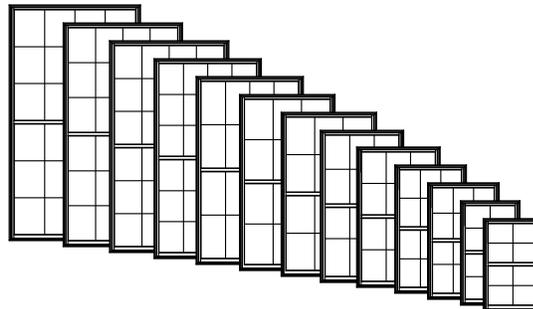
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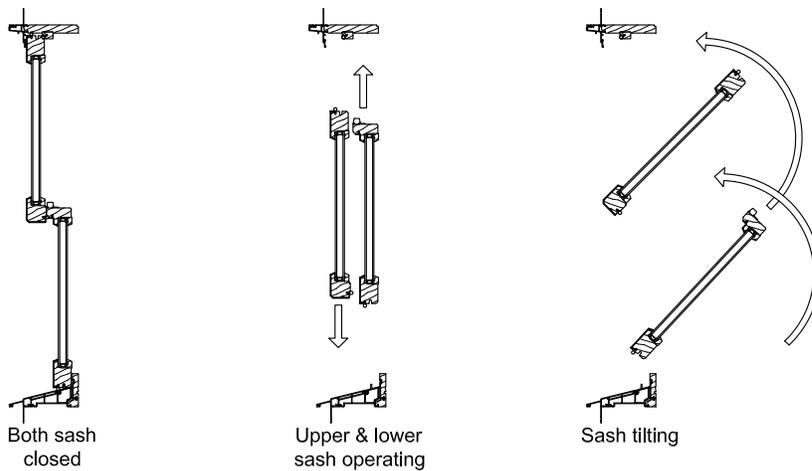


GENERAL INFORMATION



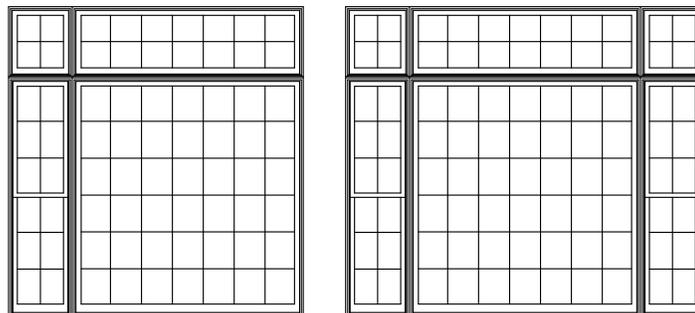
Dimensional Windows

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



Multiple Assemblies

Siteline® Clad-Wood Double-Hung windows may be mulled beside other clad-wood double-hung or clad-wood fixed windows, or below clad-wood transom windows, to fulfill a wide variety of needs.

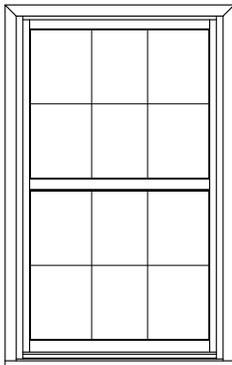




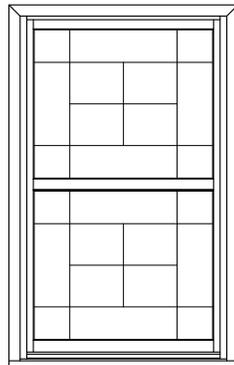
GRID PATTERNS

Siteline® Clad-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.

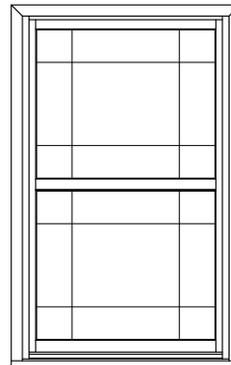
Special grid patterns can include a wide variety of straight line and radius patterns. Non-standard patterns are subject to factory approval.



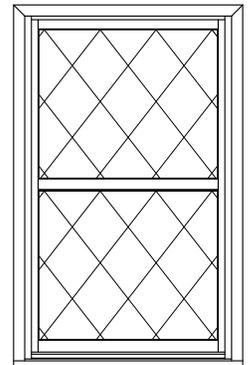
Colonial



Uneven



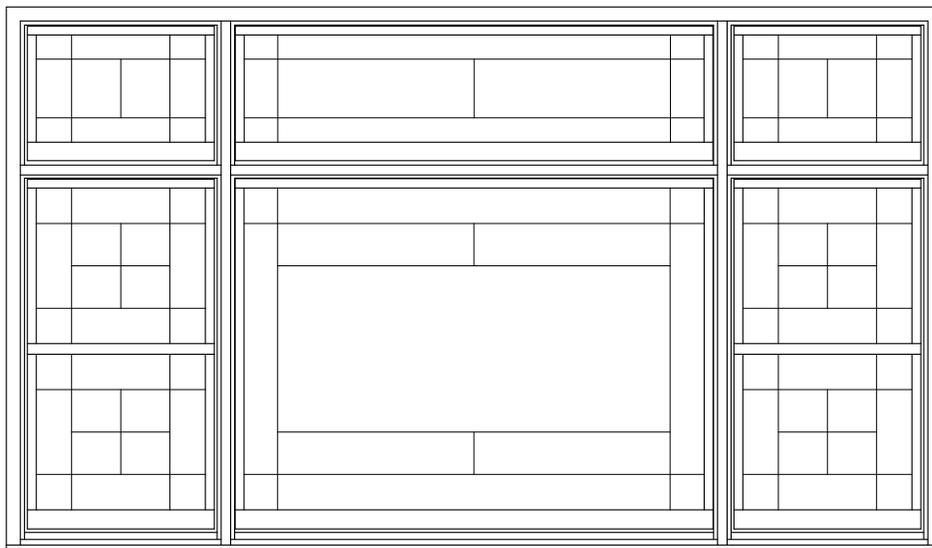
Prairie



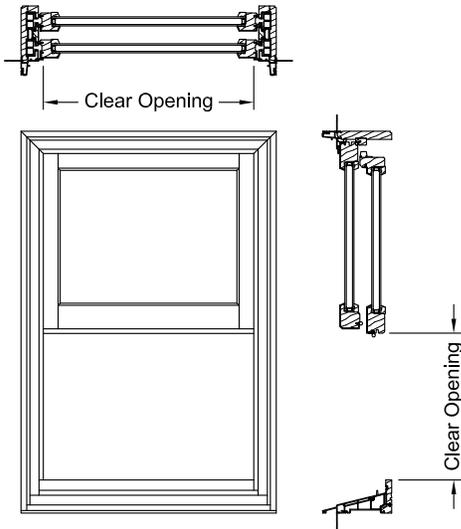
Diamond

Bar Alignment

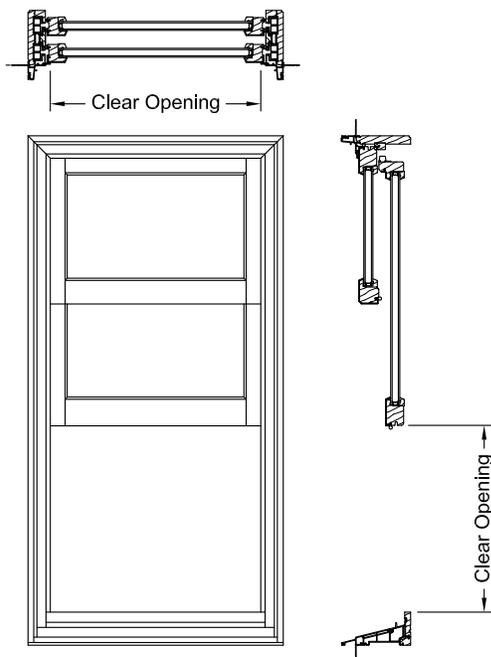
Alignment of bars from product to product is often required by fine architectural design. SDL, GBG, and wood grilles may be specified with bars aligned.



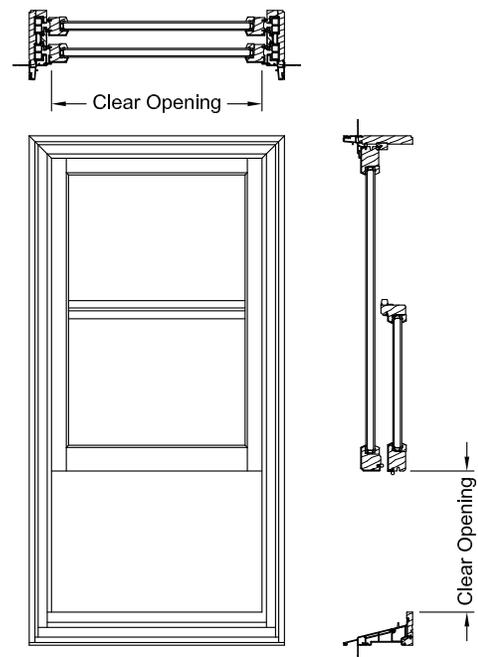
CLEAR OPENING LAYOUT



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



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

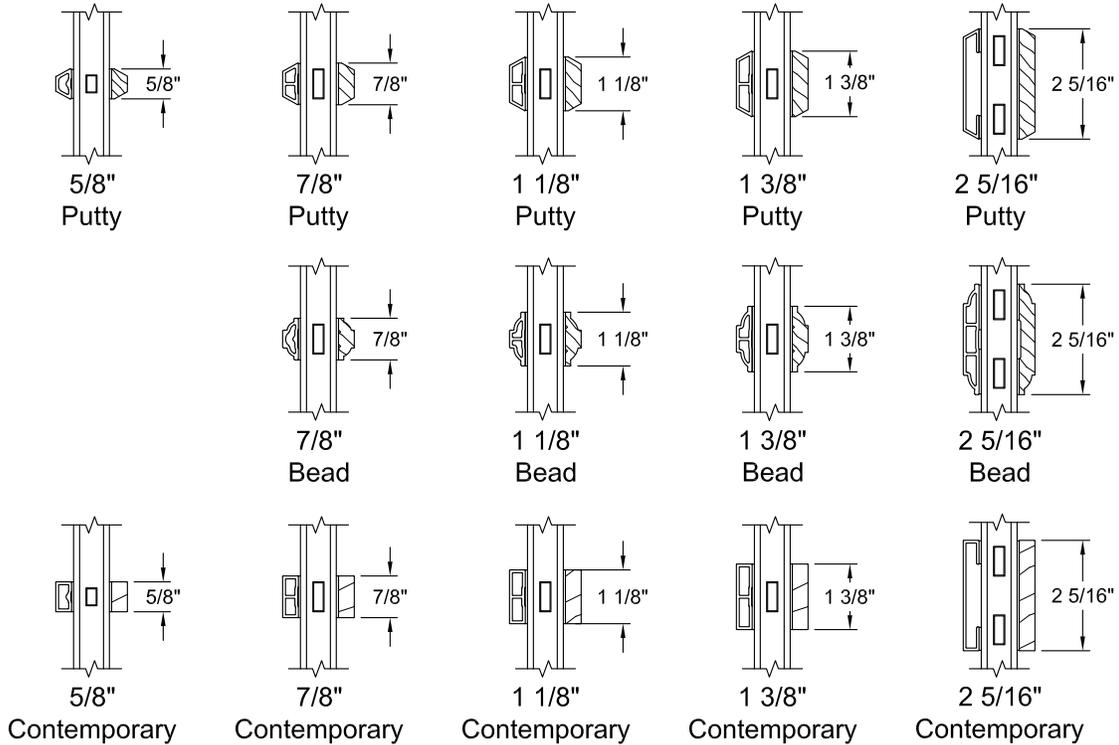


Reverse Cottage Double-Hung
Width = Frame Width - 3 3/4"
Height = (Frame Height / 2) - 7 29/32"

GRID, BOTTOM RAIL & GLASS STOP OPTIONS

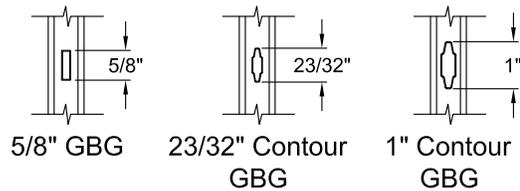
Exterior ← → Interior

SDL Options

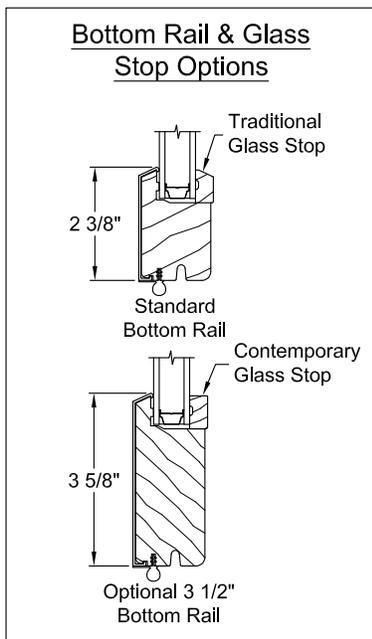
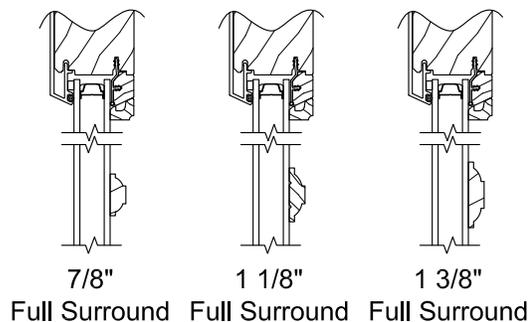


Note: Various Combinations of the SDL Bars Shown are Available

GBG Options



Grille Options





UNIT SIZING

Rough Opening:

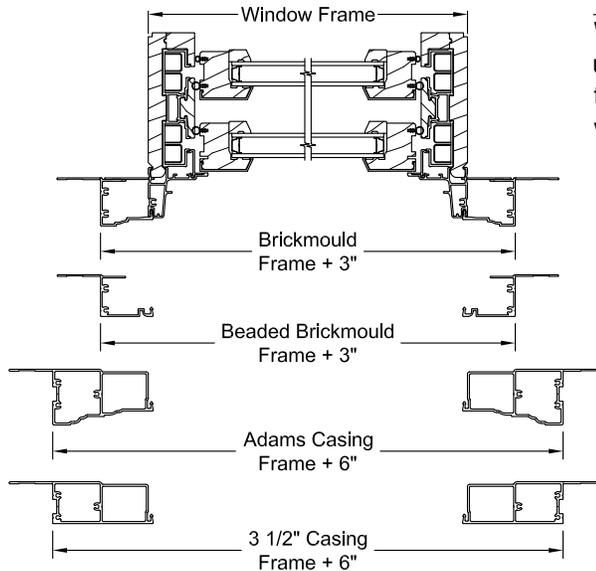
The frame size of the window plus 3/4".

Masonry Opening:

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

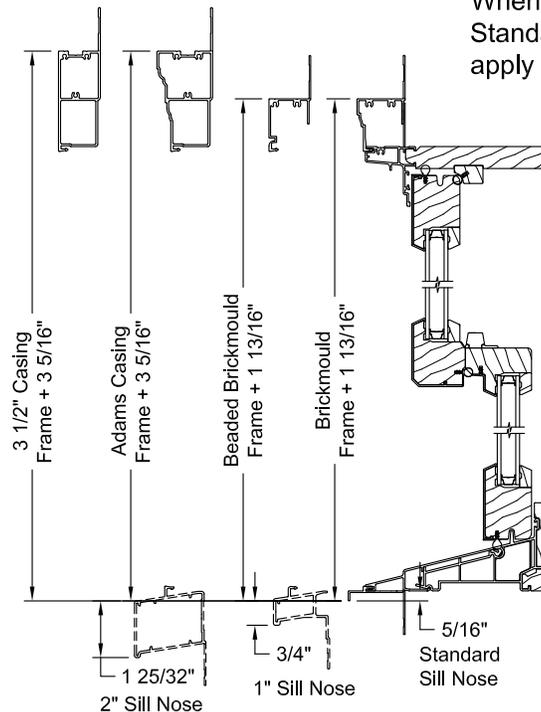
Trim- 4 Sides Of Unit

When applied to 4 sides of unit, these dimensions apply to both vertical and horizontal window sections.



Trim- 3 Sides Of Unit

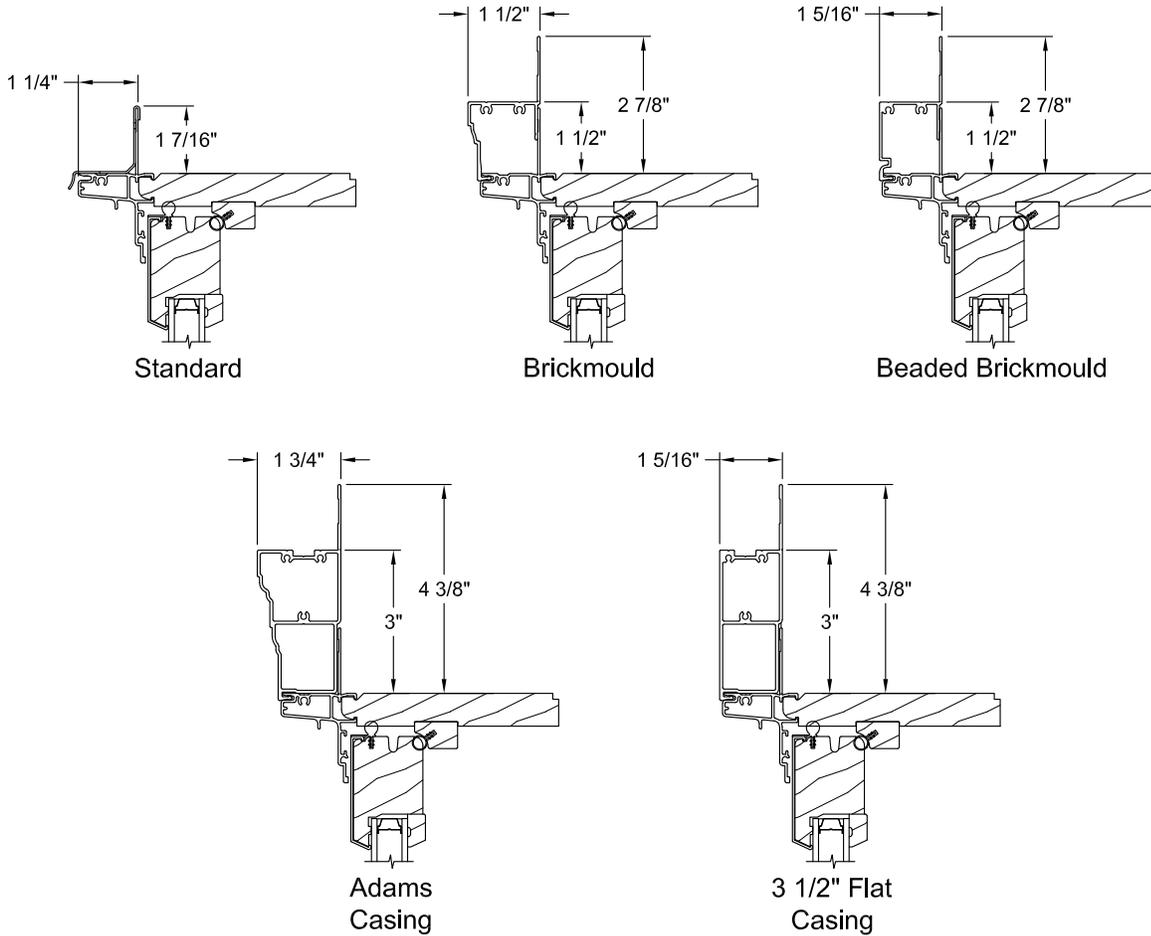
When applied to 3 sides of unit, with Standard Sill Nose, these dimensions apply to vertical window sections only.



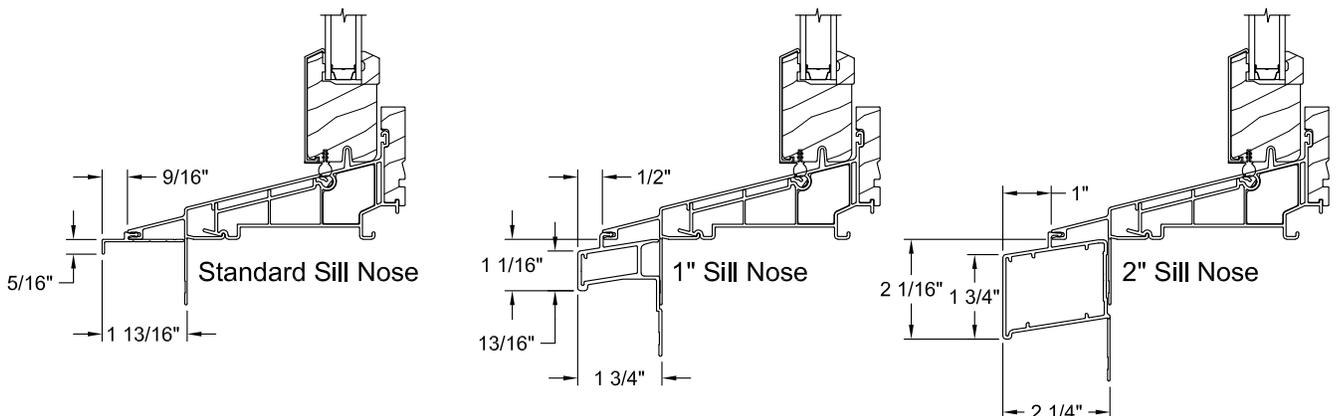


TRIM & SILL NOSE OPTIONS

Trim Options



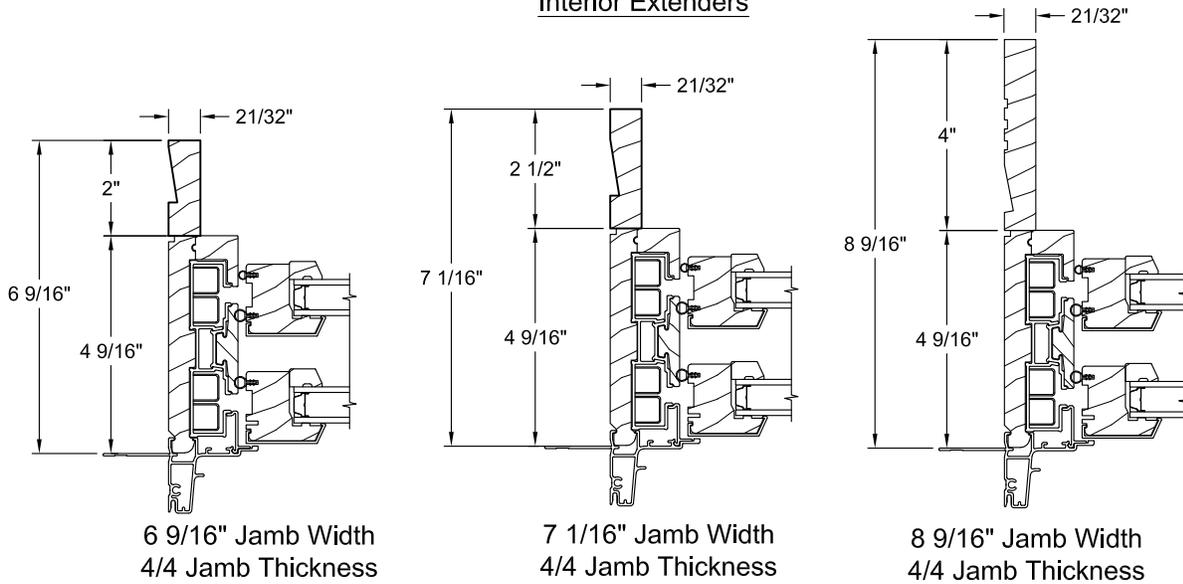
Sill Nose Options



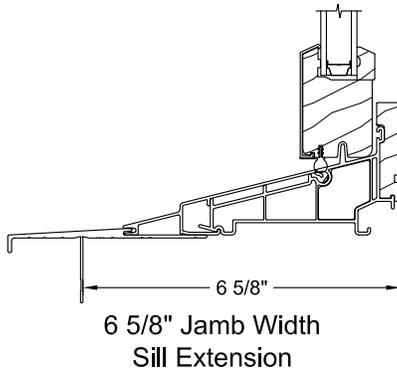
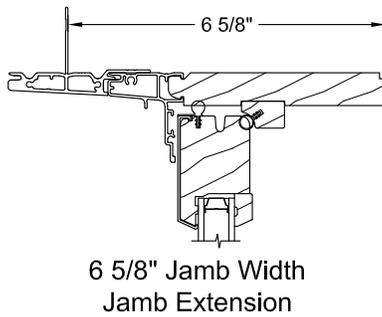


JAMB EXTENDER & PREP FOR STOOL OPTIONS

Interior Extenders

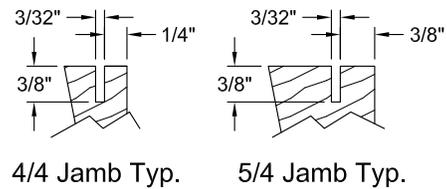


Exterior Extenders

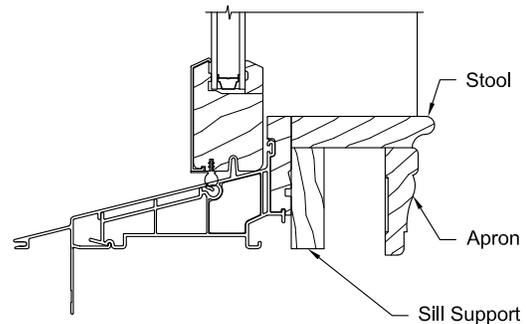


Return Kerf:

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



Prep for Stool

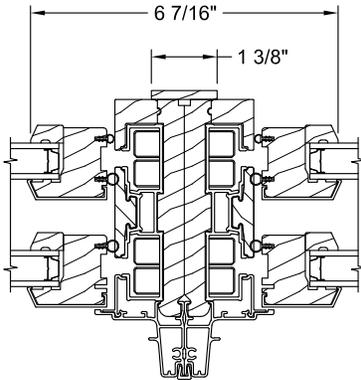


Note: Stool, apron, and sill support are applied by trim carpenter after window is installed and are not provided by JELD-WEN. Unit is shipped without sill jamb extenders.

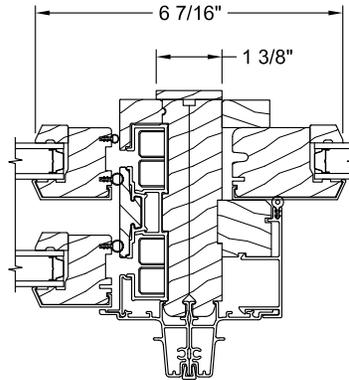
Exterior jamb extenders may only be applied to windows with jambs 6 9/16" or greater.



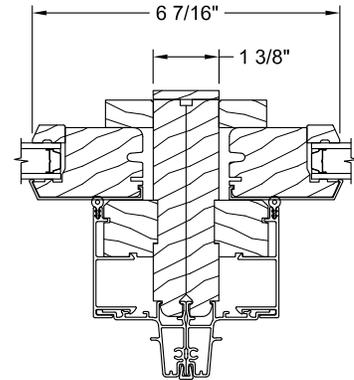
MULLION OPTIONS



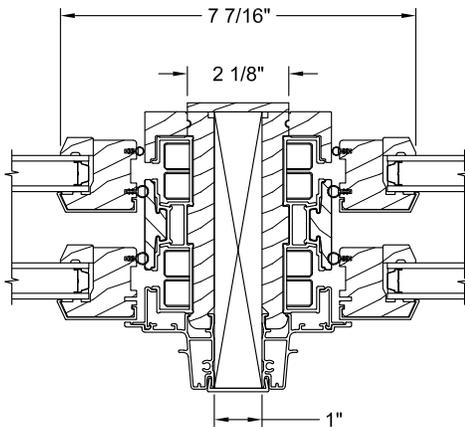
Operator / Operator



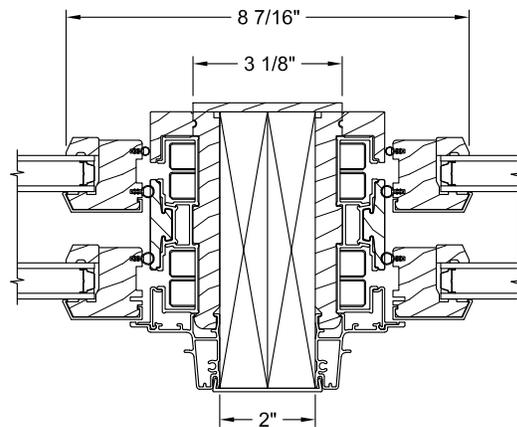
Operator / Fixed



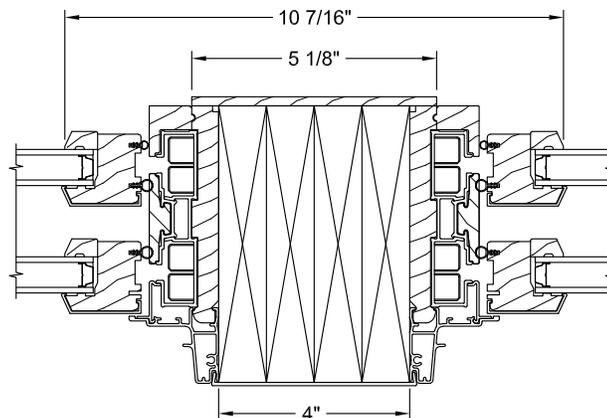
Fixed / Fixed



Operator / Operator
with 1" Solid Spread Mull



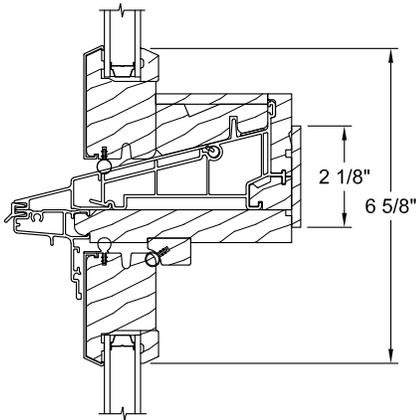
Operator / Operator
with 2" Solid Spread Mull



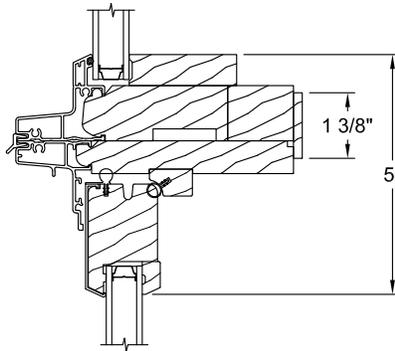
Operator / Operator
with 4" Solid Spread Mull



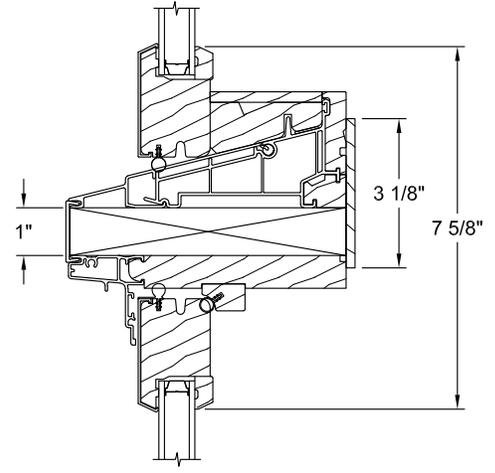
MULLION OPTIONS



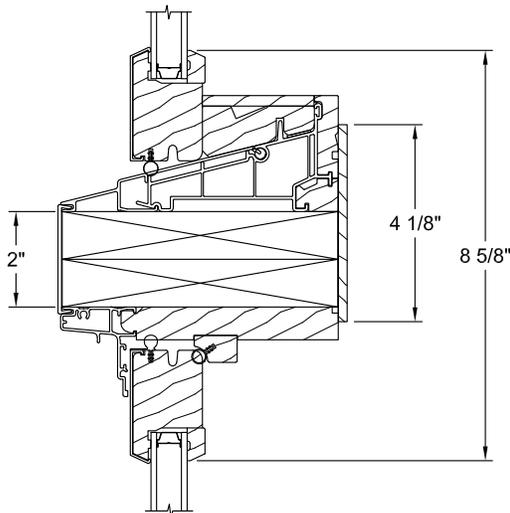
Stationary
Operator



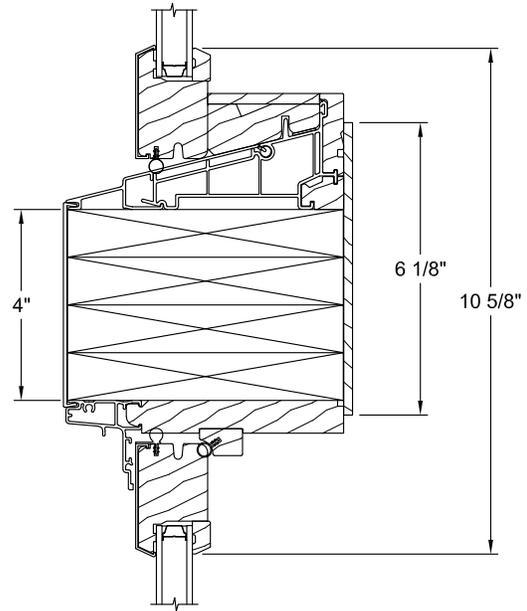
Direct Set
Operator



Stationary
Operator
with 1" Solid Spread Mull



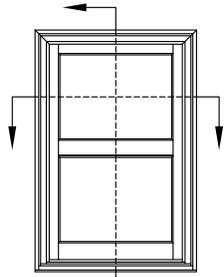
Stationary
Operator
with 2" Solid Spread Mull



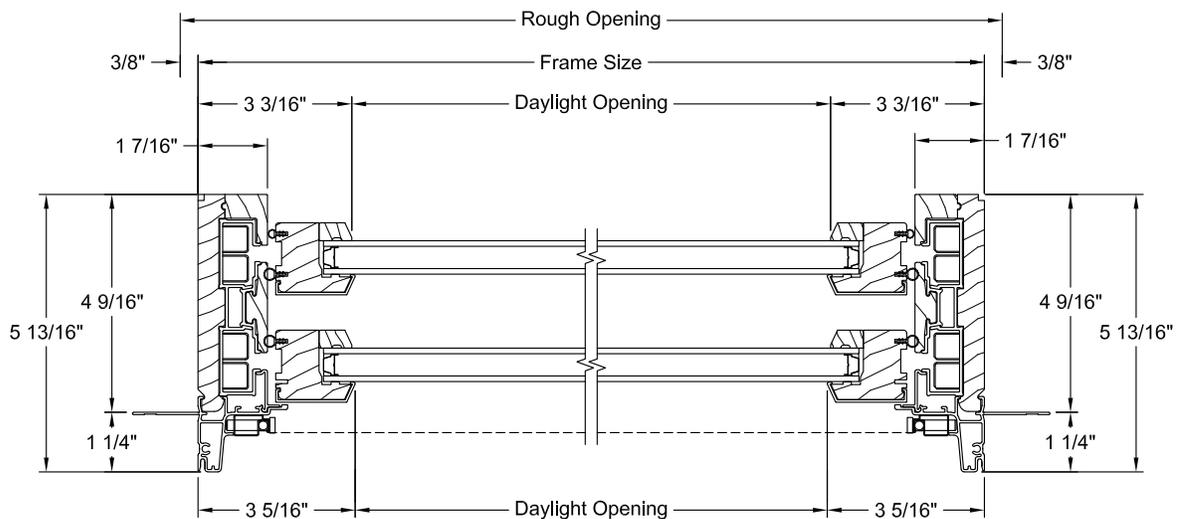
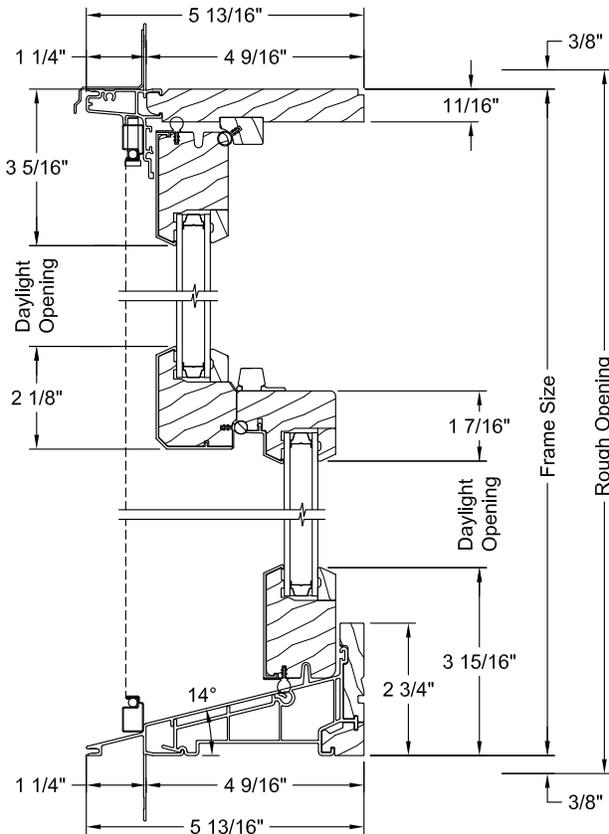
Stationary
Operator
with 4" Solid Spread Mull



OPERATOR SECTIONS

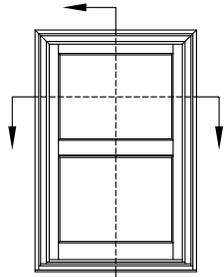


Not To Scale - Reference Only

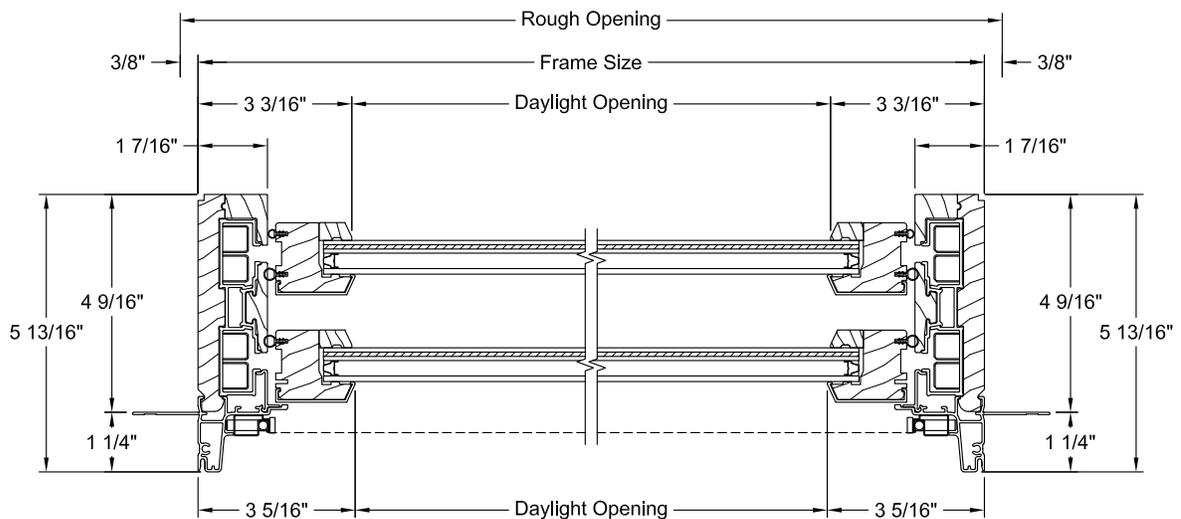
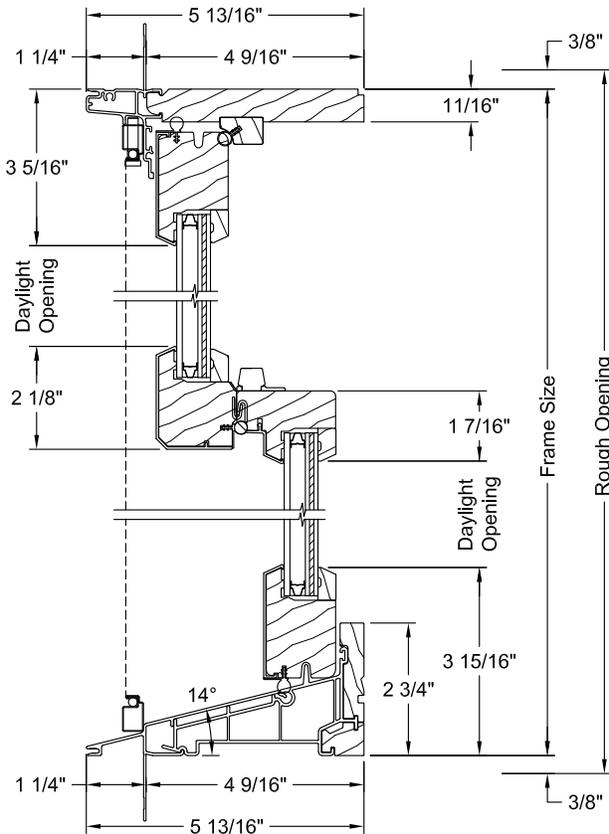




OPERATOR IMPACT SECTIONS

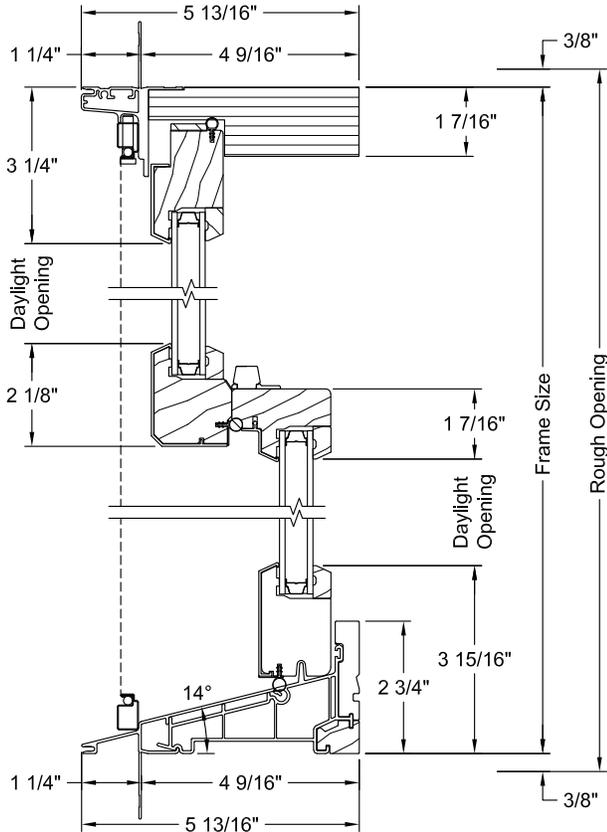


Not To Scale - Reference Only

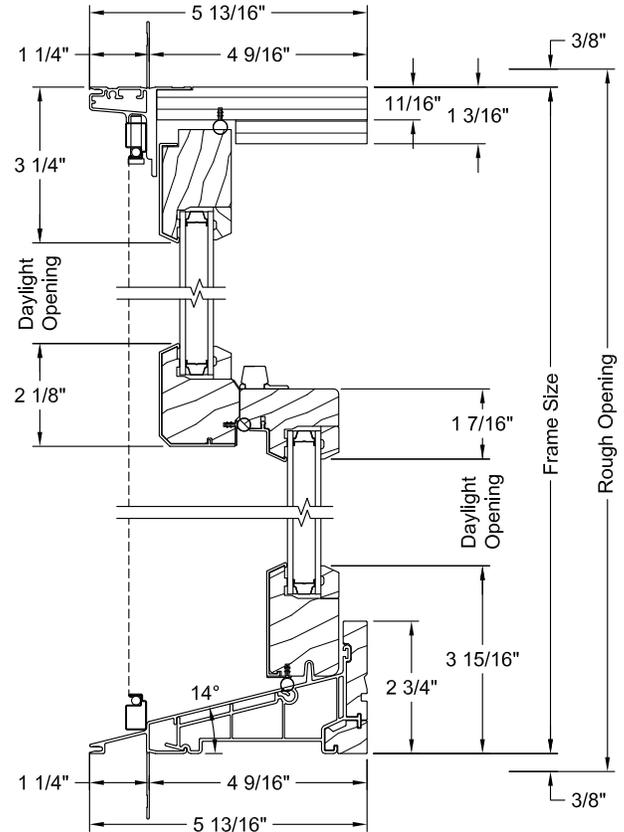


OPERATOR RADIUS TOP / SEGMENT HEAD - VERTICAL SECTIONS

Operator Radius Top

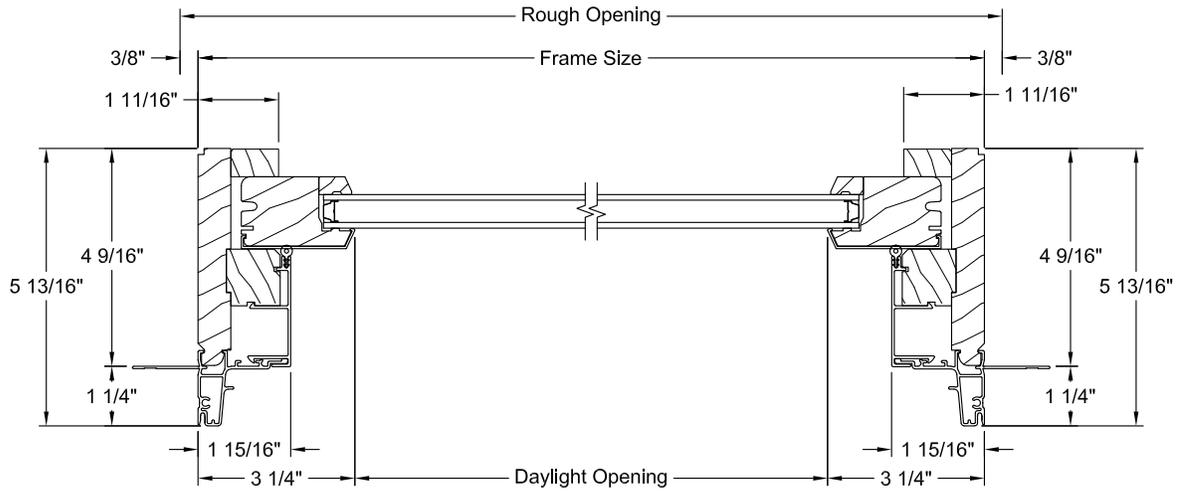
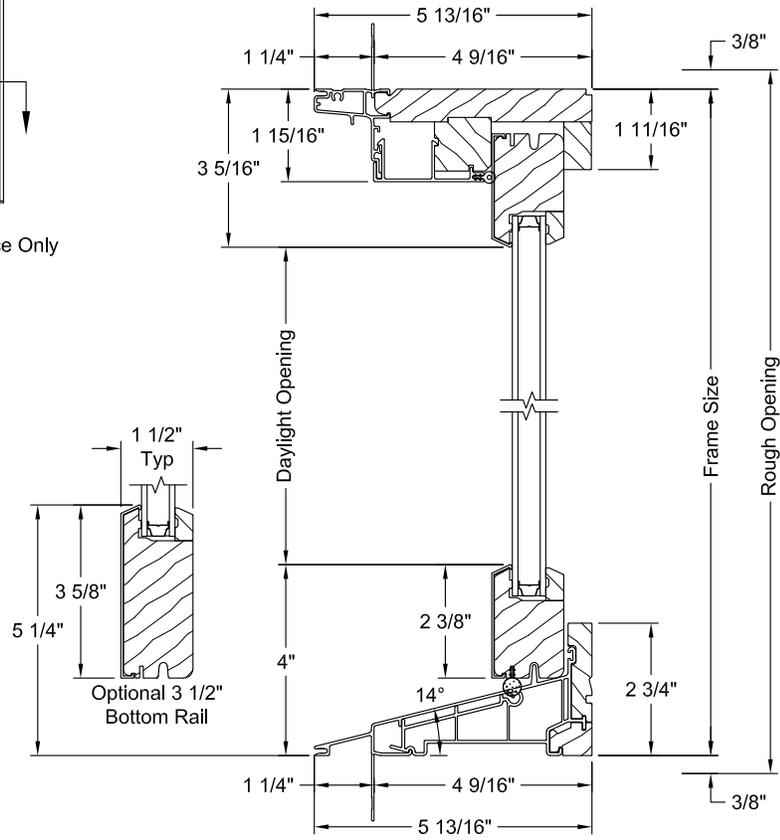
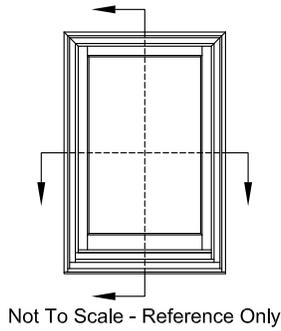


Operator Segment Head



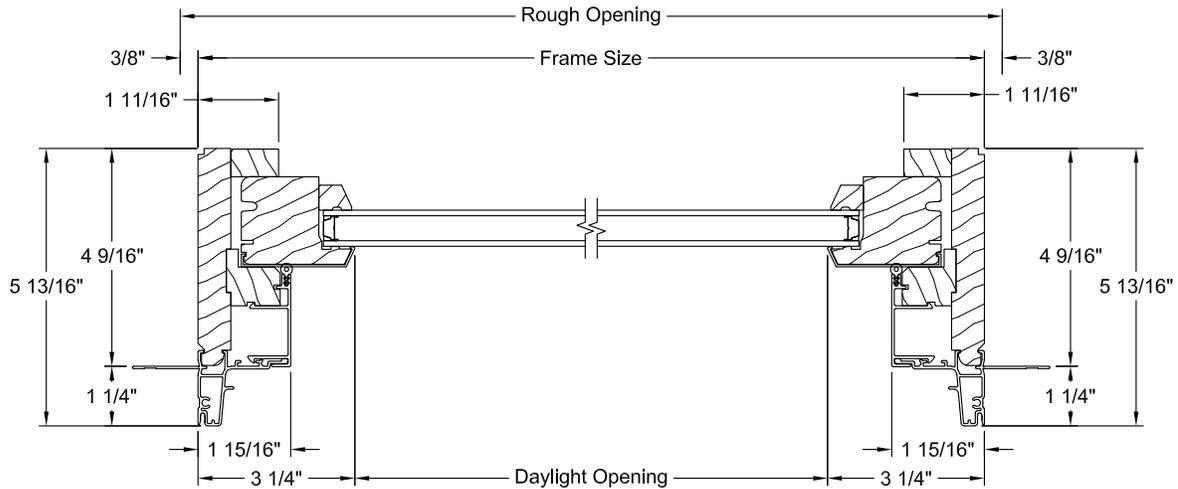
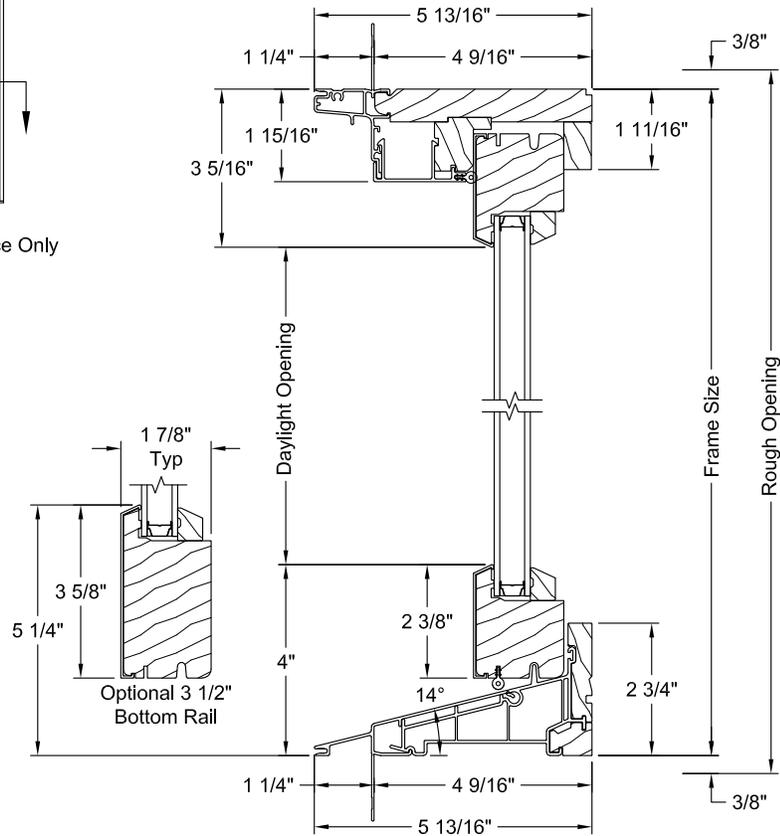
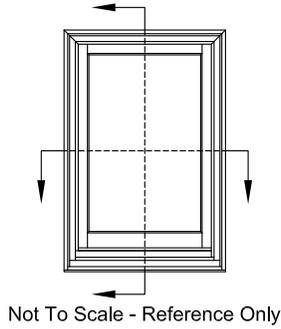


FIXED SECTIONS - 6/4 SASH



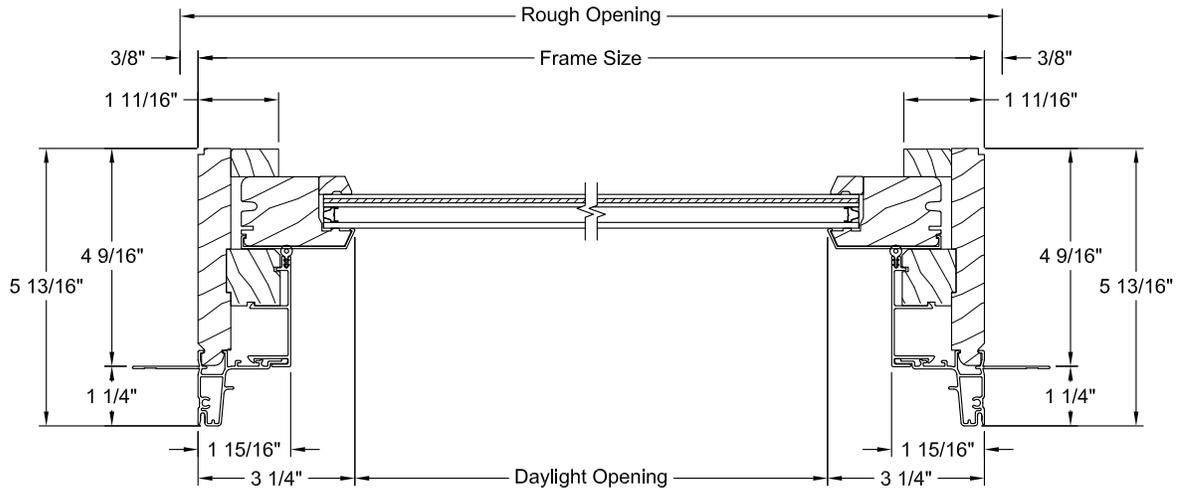
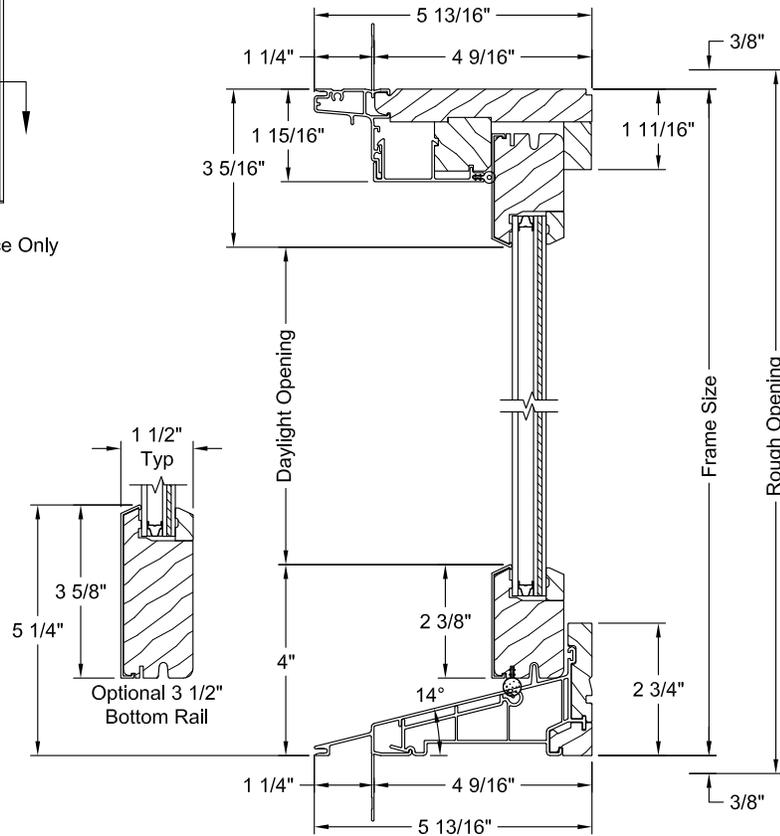
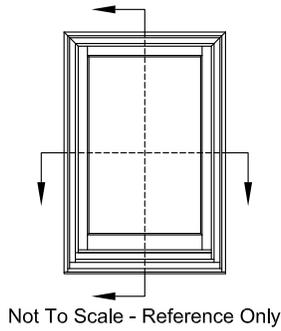


FIXED SECTIONS - 8/4 SASH



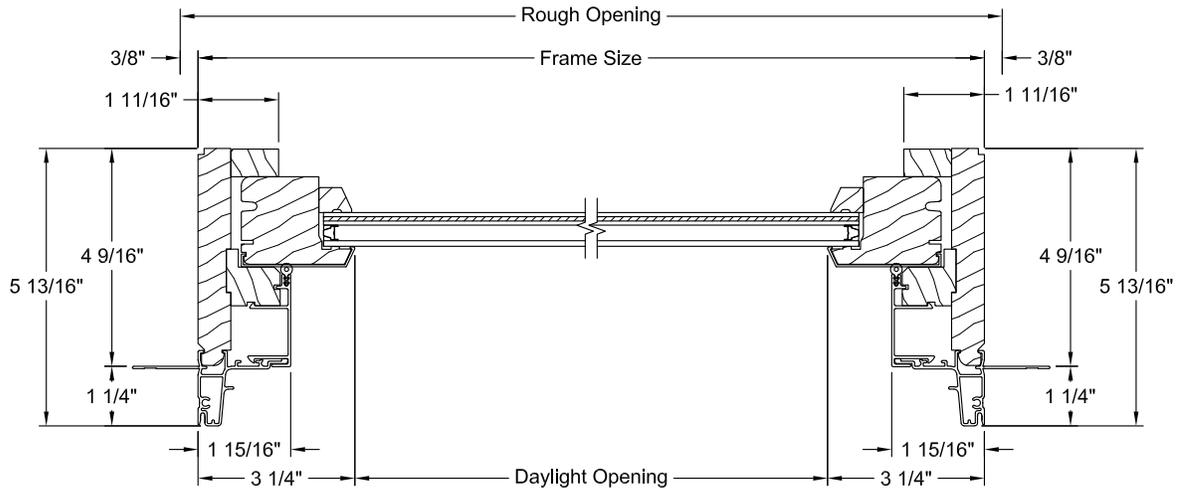
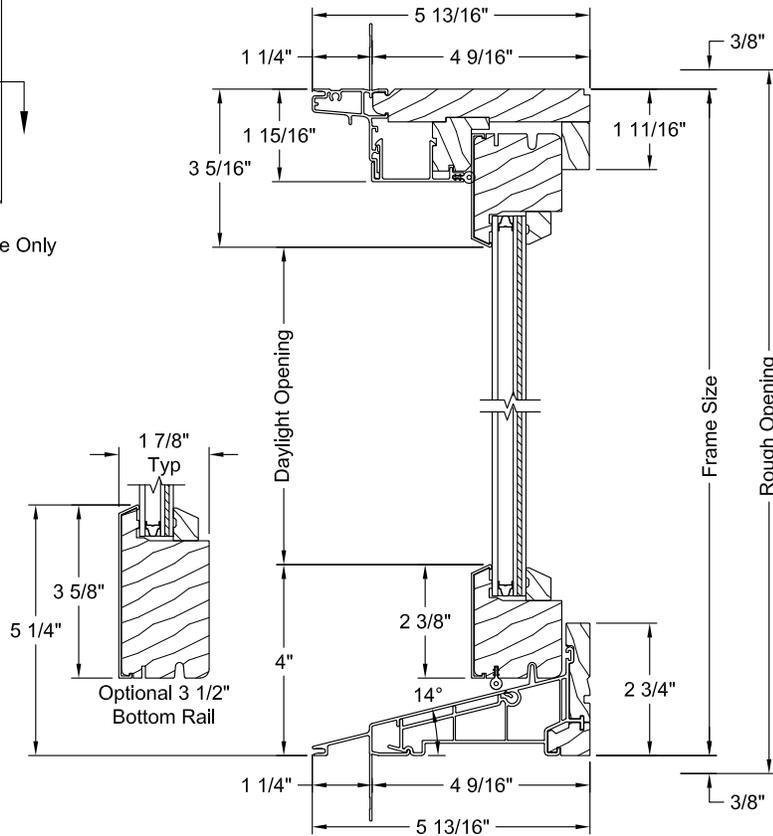
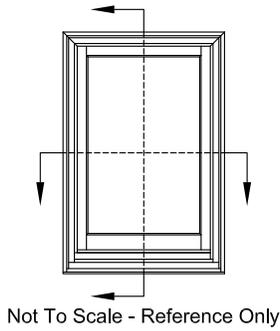


FIXED IMPACT SECTIONS - 6/4 SASH



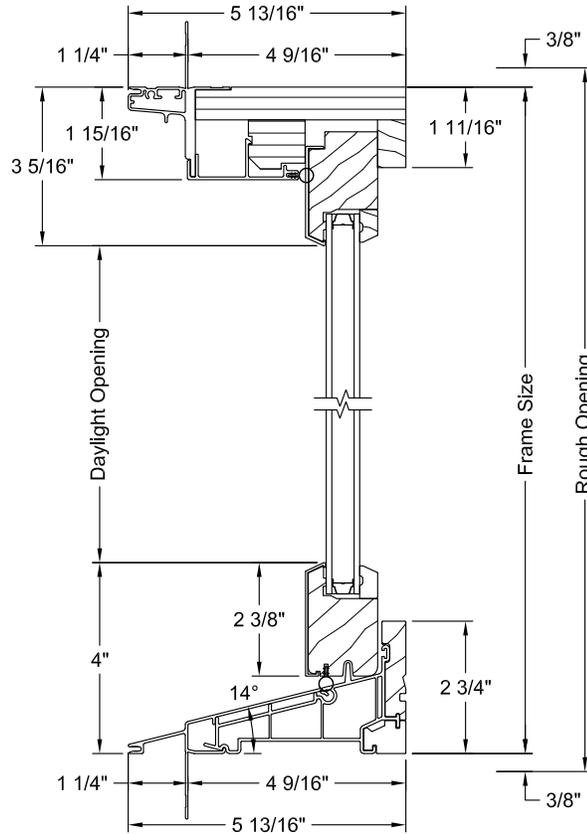
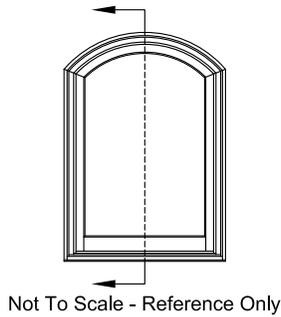


FIXED IMPACT SECTIONS - 8/4 SASH





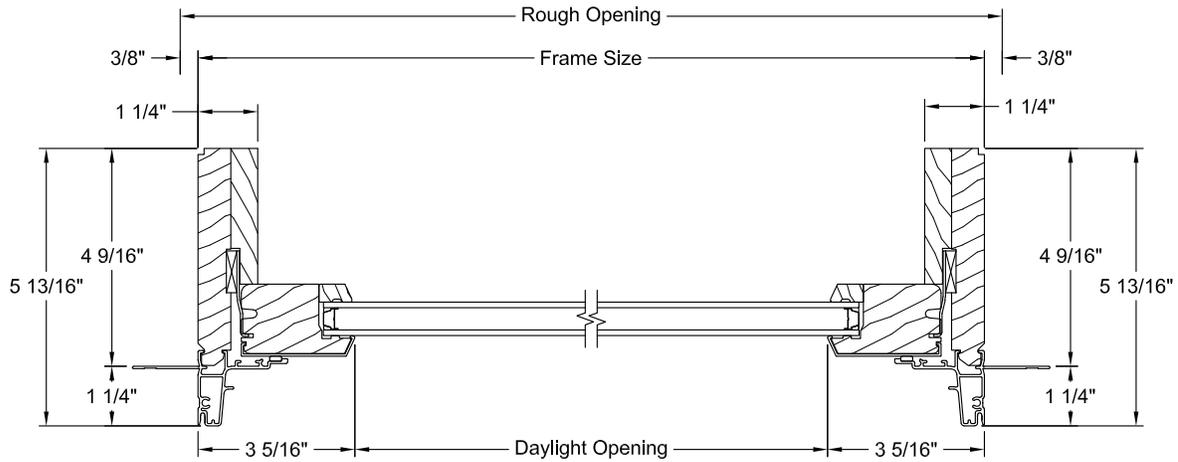
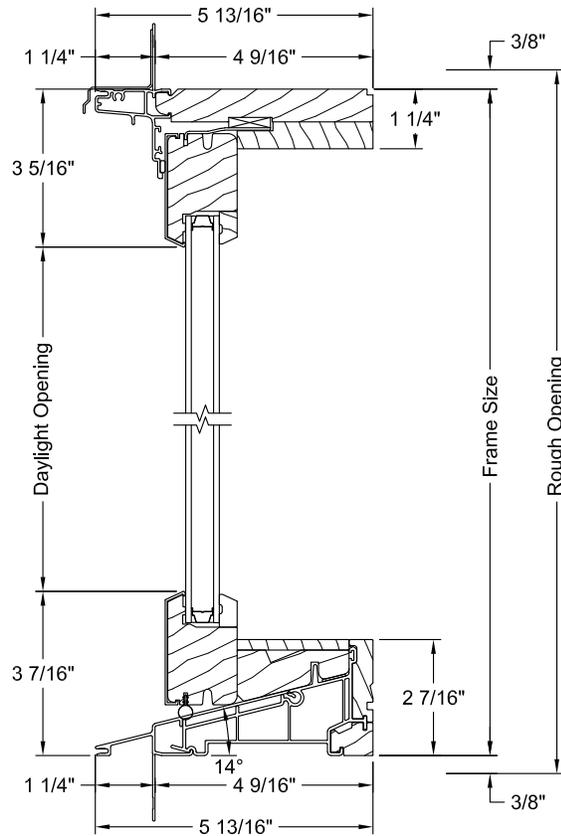
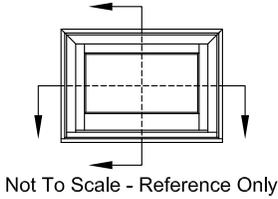
FIXED RADIUS TOP & SEGMENT HEAD - VERTICAL SECTION



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

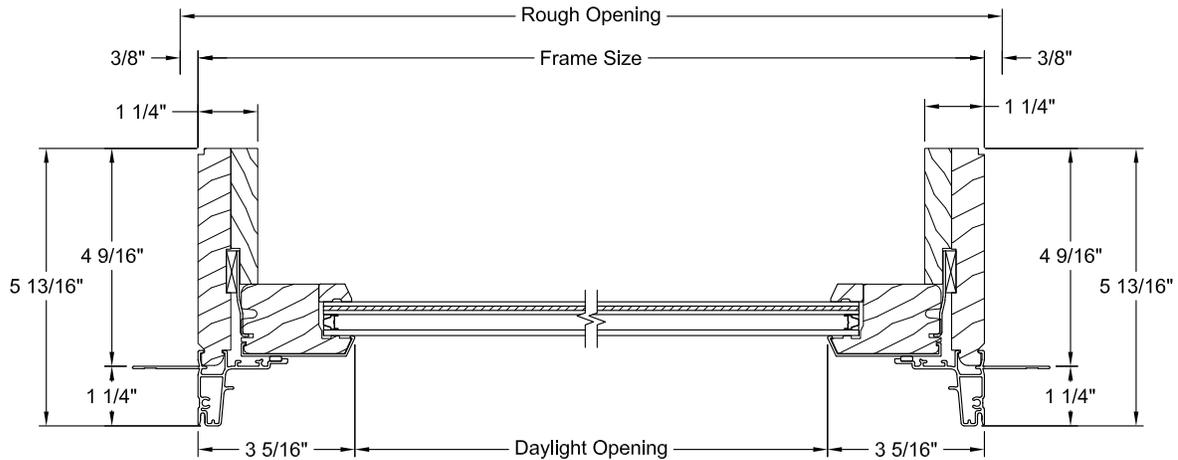
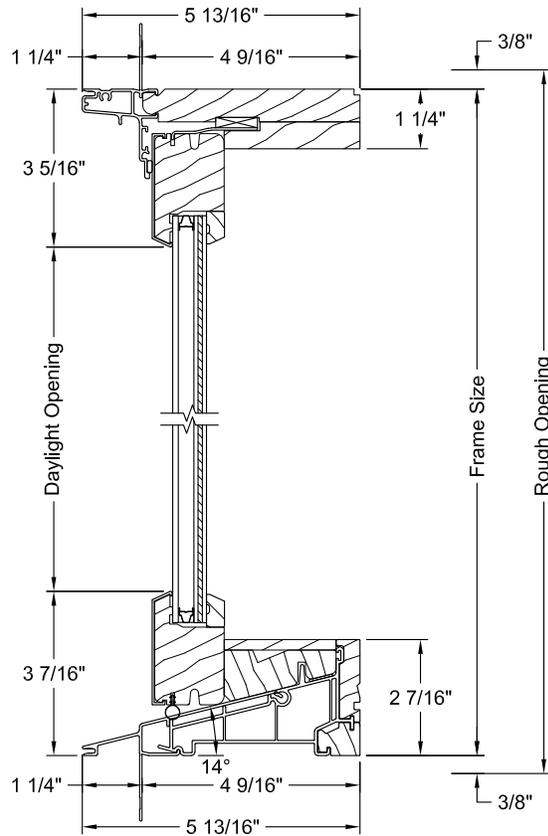
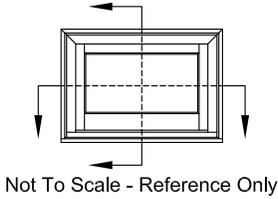


TRANSOM SECTIONS



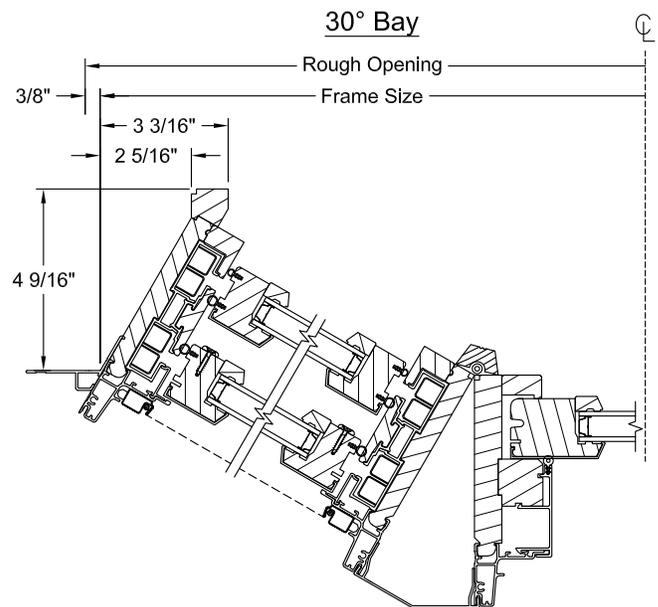
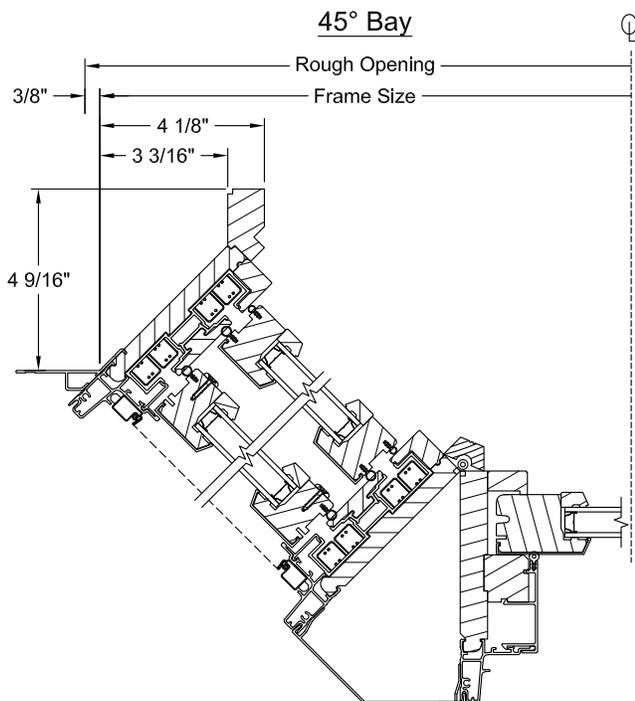
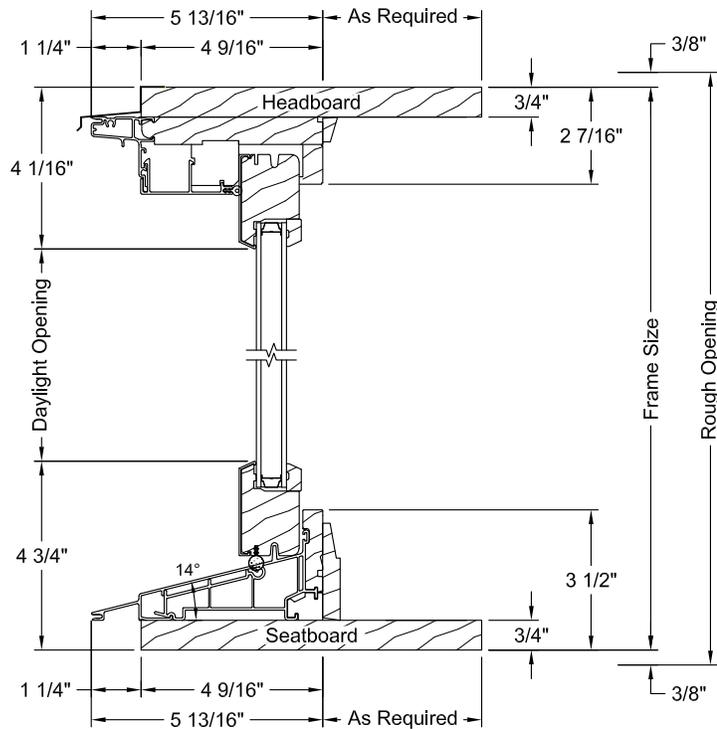


TRANSOM IMPACT SECTIONS

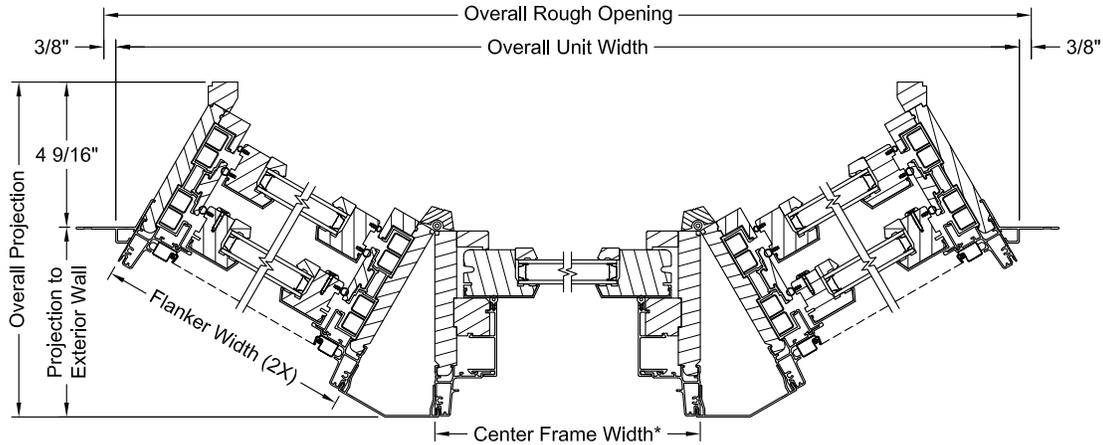




BAY SECTIONS



Note: Horizontal views are symmetrical across centerline.

BAY STANDARD PROJECTIONS


30° Bay				
Flanker Width	Overall Unit Width*	Overall Rough Opening*	Projection to the 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"	21 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				
Flanker Width	Overall Unit Width*	Overall Rough Opening*	Projection to the 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"

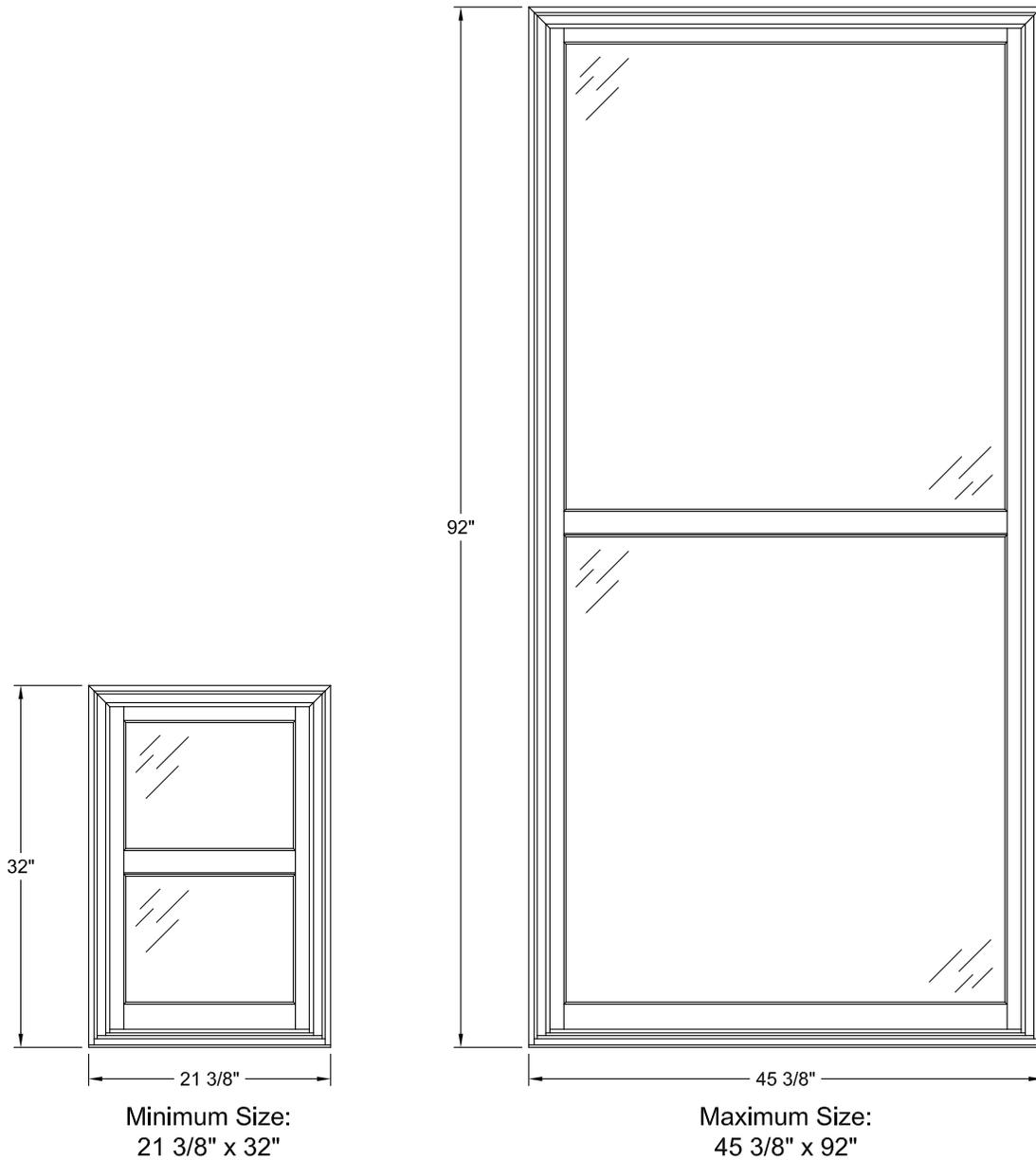
Note: 30° bay shown for reference only.

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 STANDARD SIZING



Standard Operator Widths			
21 3/8"	25 3/8"	29 3/8"	33 3/8"
35 3/8"	37 3/8"	41 3/8"	45 3/8"

Standard Operator Heights			
32"	36"	40"	44"
48"	52"	56"	60"
64"	68"	72"	76"
80"	88"	92"	

Standard sizes are shown. Smaller or larger sizes may be available as custom orders. Contact JELD-WEN Customer Service for more information.