# TRINSIC<sup>™</sup> Series

**Vinyl Windows and Patio Doors** 

## Architectural Manual







### Instructions on how to use this manual:

This document has been designed for easy navigation and to quickly click to the section you need. Here's some important tips on using this document:

- Any item printed in red, will click through to the corresponding item.
- Click to any item in the Table of Contents on page 3. Click on the Milgard logo at the top of any page to return to the Table of Contents FULL MANUAL ONLY.
- From each section's Quick Links page, click to any Drawing listed.
- From any Drawing page, click the "Go Back to Quick Links" box on the bottom right of the page to return to the list of drawings.
- Click on the links on the bottom of the page to go to Revit, SketchUp . PDF and .DWG files. Please note that you must have internet access for these links and you will be re-directed to the Milgard site.
- This document can also be navigated from Adobe Acrobat Bookmarks.

Revit, SketchUp, .PDF and .DWG files can be accessed at **milgard.com** or clicking here: Technical Resources



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## About Trinsic<sup>™</sup> Series

The Trinsic series vinyl window has the energy efficiency and low maintenance of vinyl with sleek, contemporary design and even sightlines.

The result is a window with maximum glass area. Available in white, tan, and clay (select regions), as well as premium painted exteriors. The windows will maintain their color and shape and can be constructed to your exact size specifications, subject to review.

### **COMPONENTS**

#### Frame

Frame components are made from high performance polyvinyl chloride, available in White or Tan, with Clay available in select regions or premium painted upgrade window frames. Trinsic Series is designed to offer a sleek appearance, ideal for contemporary homes or whenever maximum glazing area and even sight lines are desired. Mitered corners are precision welded resulting in an air and water tight seal.

Standard window frame depth is 2-7/8", ideal for both new construction and use as a replacement window.

#### Nail-On Fin

A 1-1/16" pre-punched nail flange extends around the perimeter frame, securing the window in rough openings and acting as a part of the flashing system. The nailing fin may be removed as needed for block frame applications. Fin setbacks are available in 1-3/8" from outside of frame; also in 1" for our SW locations using 3 coat stucco applications (not available at all locations).

#### Weep System

Hollow sill construction and offset weep holes that release any accumulated moisture from track and help prevent blow back, or water seeping to the interior caused by a combination of wind and rain.

#### **Glazing Material**

AAMA approved glazing tape adheres glass to the fixed panel frame which seals and cushions the glass. Rigid vinyl setting blocks are used to support the unit above the sill, preventing glass slippage. Extruded vinyl glazing (snap-in) bead is applied around the exterior edge.

Glass insulating dual glazed panes are butyl sealed for energy efficiency. Specialty glass options are available upon request.

#### Vent Panel

The vent panel has an "L" shaped lip that fully interlocks with the meeting rail, adding security and preventing air and water penetration. Its roller assembly rides on a monorail track for easy operation and durability. This raised track in the frame sill helps keep the vent panel free from interference by foreign particles that may collect in the sill.



### Trinsic<sup>™</sup>Series Vinyl Windows & Patio Doors Architectural Manual

#### Weatherstripping

Silicone-treated water-repellent polypropylene fin seal weatherstripping provides a durable, weather tight seal. This weatherstripping is installed in an integral, continuous keyway around three sides of the vent panel and interlock.

#### **Door Roller Assembly**

Self-lubricating, wear resistant, dual nylon rollers provide flexible, free-wheeling, smooth and silent operation. The adjustable rollers are engineered for reduction of friction and elimination of torque on the vent frame.

#### Locking Assembly

A SmartTouch<sup>®</sup> window lock mechanism provides security and a tighter seal. The lock engages when the window is closed.

#### Screen

Screen frames are cambered aluminum, reinforced with rigid plastic corner clips. Screens come standard with matching exterior frame color.

The fiberglass charcoal screen mesh is strong, durable and easy to replace. Two plastic pulls located on the screen allow you to install from inside or outside of house.

#### **Energy Packages**

Milgard adheres to ENERGY STAR<sup>®</sup> v6 requirements to meet or exceed U-Factor and Solar Heat Gain Coefficient (SHGC) criteria for all ENERGY STAR<sup>®</sup> zones.

Milgard also offers high energy performance options for the ultimate in energy efficiency. Energy efficient windows could include one or more of the following features based on your climate.

- SunCoat<sup>®</sup> or SunCoatMAX<sup>®</sup>
- EdgeGardMAX<sup>®</sup>
- Argon or Krypton
- 4th Surface

For more details on Milgard Energy Efficient packages, visit <u>www.milgard.com/learn/energy-</u> <u>efficiency/energy-efficient-components</u>

To check the energy performance of all Milgard windows and doors, use our Energy Calculator at:

#### milgard.com/energy-calculator

### **OPTIONS**

Grids

Available in:

- 5/8" flat\*
- 1-1/16" sculptured\*
- 7/8" Simulated Divided Lite

\*Premium vinyl exterior colors include coordinating color grids. Glass

Refer to glass section. Many more options are available. Please check with your Milgard Representative.

Caution: The use of petroleum based fuels or solvents as release agents in stucco wall installations or glass cleaning will chemically attack materials used in seals and other components, and voids the Milgard Warranty. The use of wax based release agents is recommended.

Expanding foam for insulation purposes should not be used.



### Window and Door Hardware



#### Single Hung and Horizontal Slider

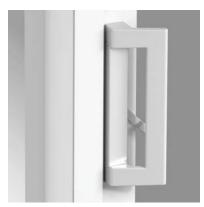
SmartTouch<sup>®</sup> Lock – Closes and locks window securely in one action.



**Casement and Awning** 

Folding Nesting Handle with Sash Lock

#### **Door Handles**



Contemporary (standard)



Premium (upgrade)



Exterior



### **Premium Exterior Vinyl Finishes**

#### Standard - Matching interior



#### Premium - White interior only





### **Full Lifetime Warranty**

At Milgard, we build our windows and doors to last. With the dedication to quality that we put into building the best windows in the business, it wouldn't make sense to back them with anything but the best warranty in the business. That's why we back every properly installed window and door for as long as the homeowner owns their home–including parts and labor.

It's why you can be sure you won't find any windows better than Milgard.

For complete warranty details, visit milgard.com.



### Why Milgard?

#### Quality

Milgard offers award-winning windows and patio doors built for long-lasting comfort. For over 50 years, industry experts have consistently recognized Milgard as a trusted brand. By producing our vinyl and fiberglass frame materials in-house, we can more closely monitor for quality control. Milgard windows and patio doors stand up, while standing out.

#### Experience

Since 1962, Milgard Windows & Doors has designed and assembled superior, top quality windows and patio doors, backed with a <u>Full Lifetime Warranty</u>. Milgard engineers are known for their industry-leading designs using patented technologies. Whatever your project calls for, Milgard has the right product that can beautifully reflect your vision. From new construction to home remodeling, all Milgard windows and doors are custom made to your exact specifications.

#### Service

We serve the Western U.S. and Canada with a dozen full-service facilities and customer care centers. Our belief is that by being close to our customers, we can provide them better service.







The Trinsic<sup>™</sup> Series vinyl (PVC) Awning window blends the energy efficiency and low maintenance of vinyl with clean lines and even sightlines.

The result is a window with maximum glass area. Available in white, tan, and clay (select regions), as well as premium painted exteriors. The windows will maintain their color and shape and can be constructed to your exact size specifications.

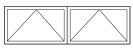
Please also see: Components Options Hardware Premium Exterior Vinyl Finishes Full Lifetime Warranty



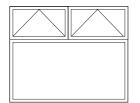
### Awning Window Configurations



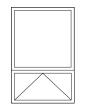
Full Awning



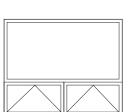
Double Awning



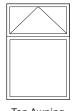
Double top Awning



**Bottom Awning** 



Double bottom Awning



Top Awning

### Minimum/Maximum Sizes

#### Awning

– Min 1<sup>6</sup>1<sup>6</sup> Max 4<sup>0</sup>3<sup>0</sup>

#### **Full Awning Stacked**

- Min 1<sup>6</sup>2<sup>6</sup> Max 6<sup>0</sup>3<sup>0</sup>

### **Available Frame Styles**

1-3/8" Fin Setback 1" Fin Setback with J-channel 1" Fin Setback with Stucco Key 1-1/2" Contour Z-bar Block Frame (no fin)

NOTE: For engineering approval contact your Milgard representative for any configuration over 40 square feet. Each Milgard Manufacturing plant reserves the right to alter or change sizes and configurations according to location capabilities. Ask your Milgard rep about specialty applications. Windows over 40 square feet shipped open for field glazing. Varies by location.

Not all frame styles available at all Milgard locations. Contact your Milgard Representative for more information.



## Drawings - Quick Links

#### **Awning Window**

- 12—Full Awning 1-3/8" Fin Setback
- 13—Bottom Awning 1-3/8" Fin Setback
- 14—Double Awning 1-3/8" Fin Setback
- 15—Full Awning above Full Awning 1-3/8" Fin Setback
- 16—Full Awning 1-3/8" Fin Setback with Stucco Key
- 17—Bottom Awning 1-3/8" Fin Setback with stucco key
- 18—Double Awning 1-3/8" Fin Setback with stucco key
- 19—Full Awning 1" Fin Setback with stucco key
- 20—Bottom Awning 1" Fin Setback with stucco key

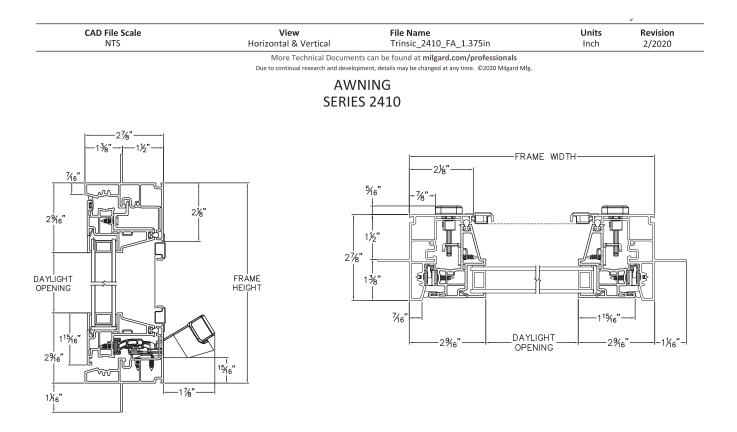
- 21—Double Awning 1" Fin Setback with stucco key
- 22—Full Awning 1" Fin Setback with 3/4" J-channel
- 23—Bottom Awning 1" Fin Setback with 3/4" J-channel
- 24—Double Awning 1" Fin Setback with 3/4" J-channel
- 25—Full Awning 1-1/2" Contour Z-bar frame
- 26—Bottom Awning 1-1/2" Contour Z-bar frame
- 27—Double Awning 1-1/2" Contour Z-bar frame
- 28—Full Awning Block Frame
- 29—Bottom Awning Block Frame
- 30—Double Awning Block Frame

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





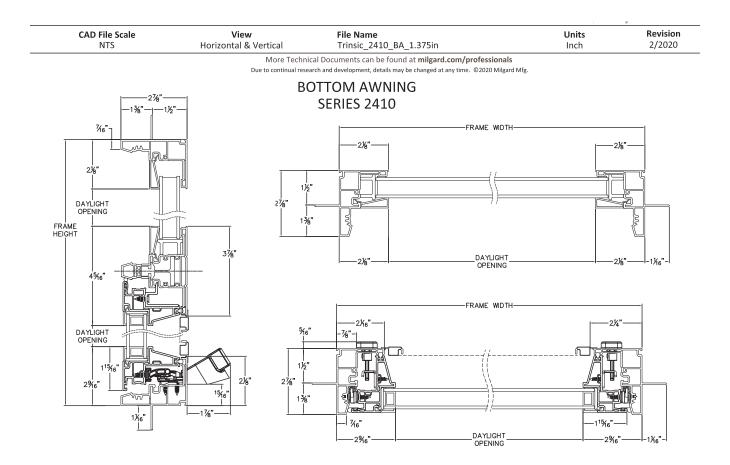
Full Awning - 1-3/8" Fin Setback



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



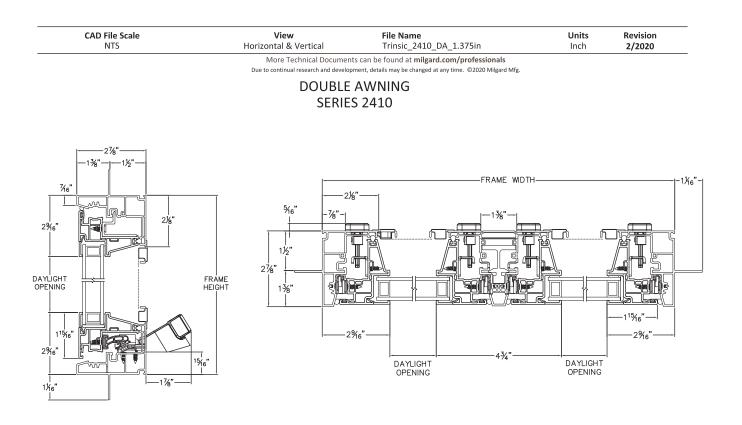
Bottom Awning - 1-3/8" Fin Setback



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Double Awning - 1-3/8" Fin Setback



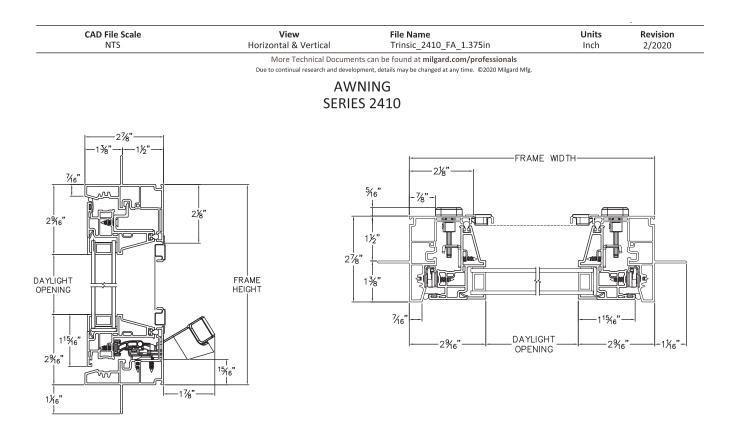
**HEAD & SILL** 

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Full Awning above Full Awning - 1-3/8" Fin Setback



**HEAD & SILL** 

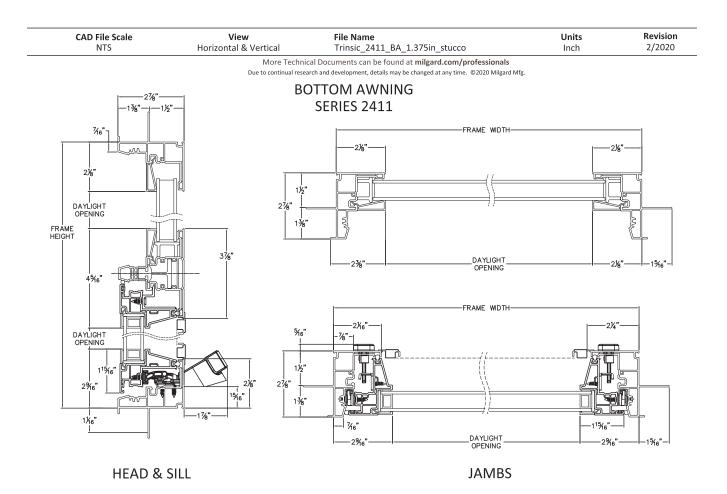
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Full Awning - 1-3/8" Fin Setback with stucco Key

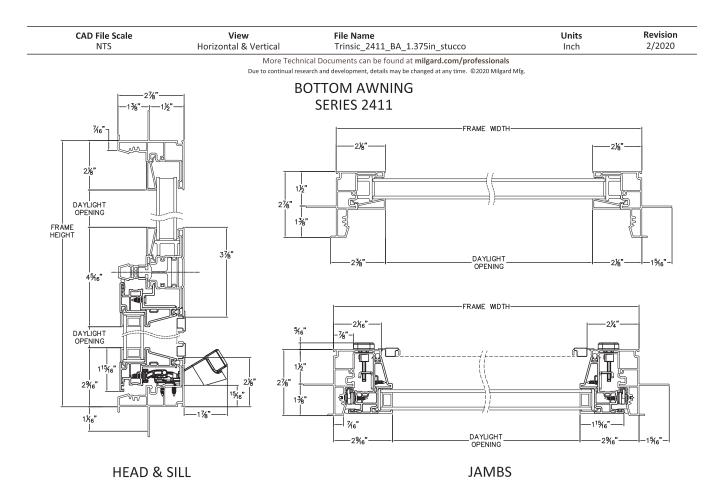


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Bottom Awning - 1-3/8" Fin Setback with stucco key

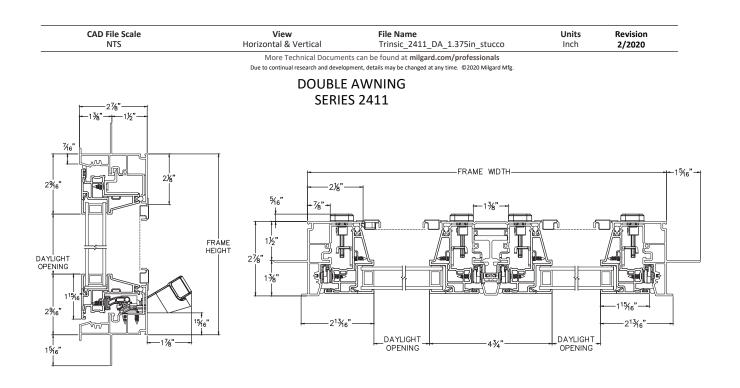


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Double Awning - 1-3/8" Fin Setback with stucco key



**HEAD & SILL** 

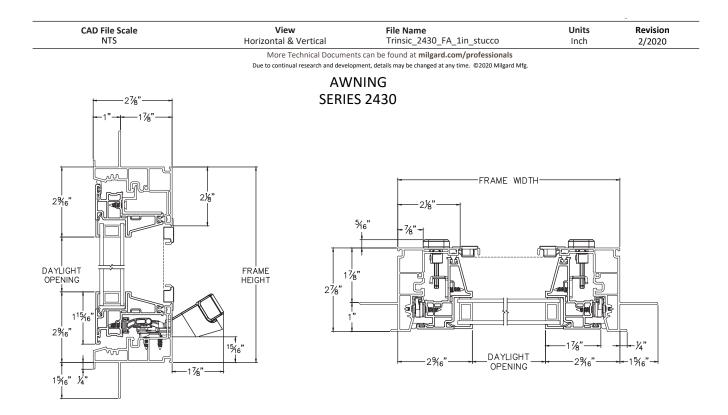
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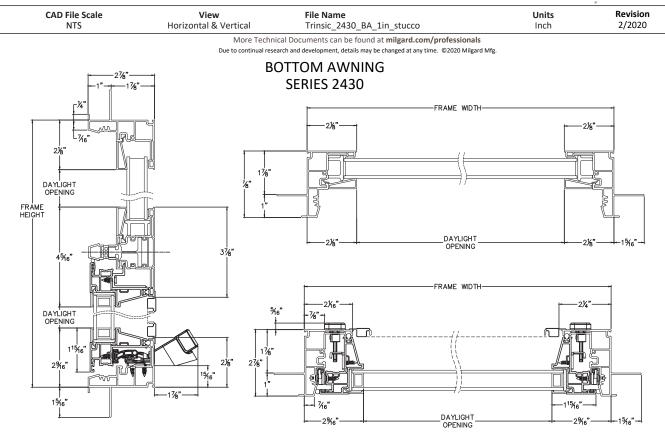
Full Awning - 1" Fin Setback with stucco key



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Bottom Awning - 1" Fin Setback with stucco key

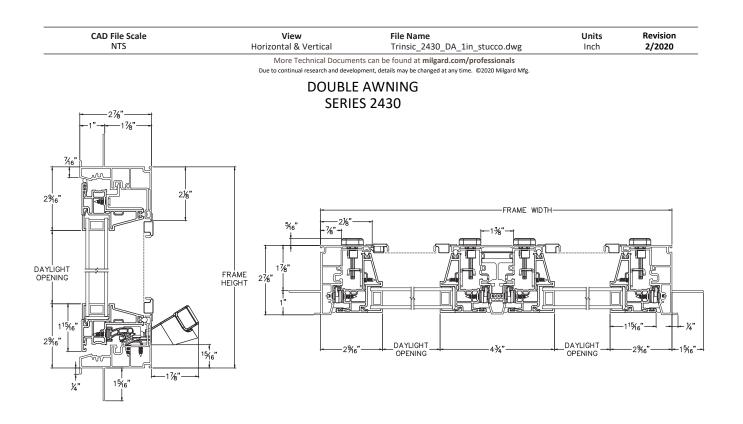


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Double Awning - 1" Fin Setback with stucco key



**HEAD & SILL** 

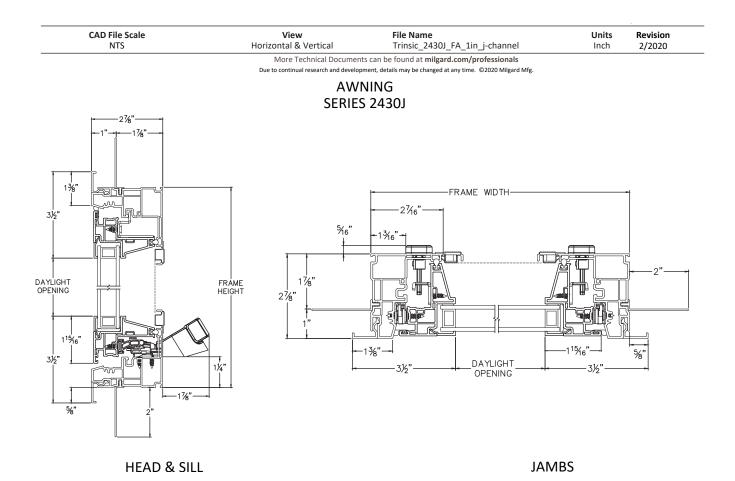
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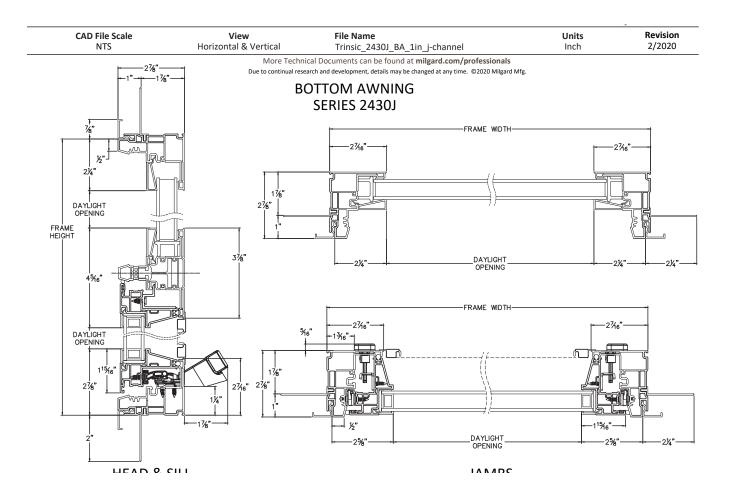
Full Awning - 1" Fin Setback with 3/4" J-channel



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Bottom Awning - 1" Fin Setback with 3/4" J-channel

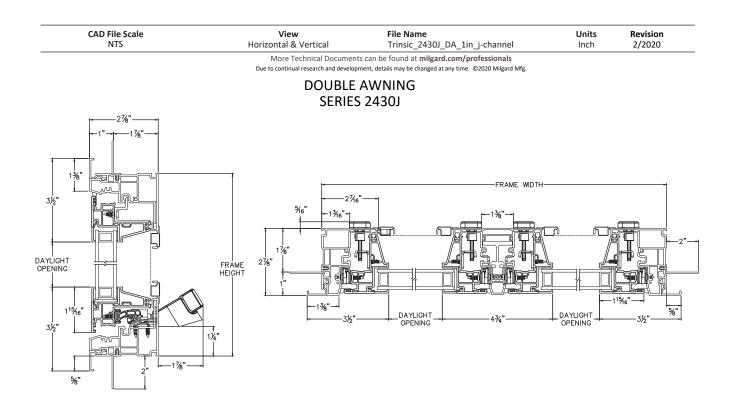


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





Double Awning - 1" Fin Setback with 3/4" J-channel



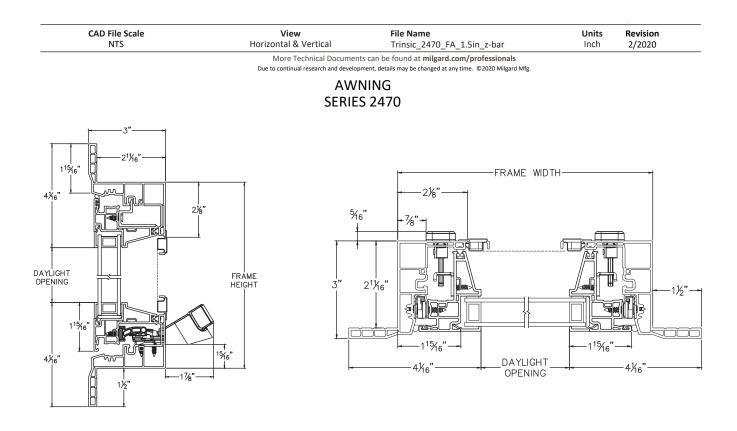
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Full Awning - 1-1/2" Contour Z-bar frame



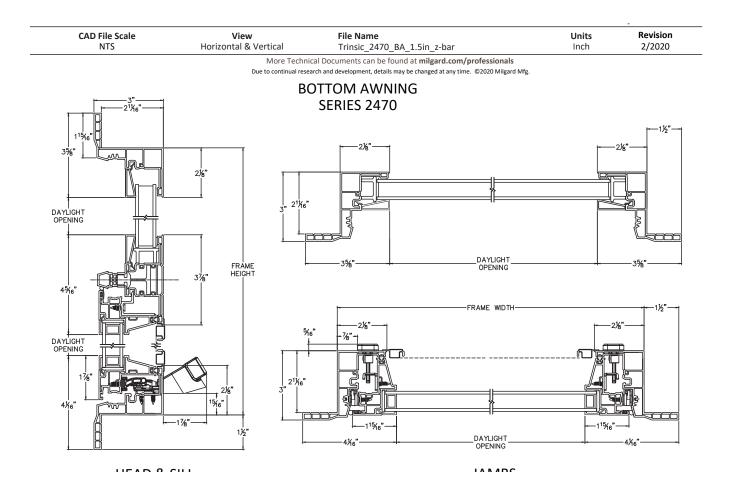
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Bottom Awning - 1-1/2" Contour Z-bar frame

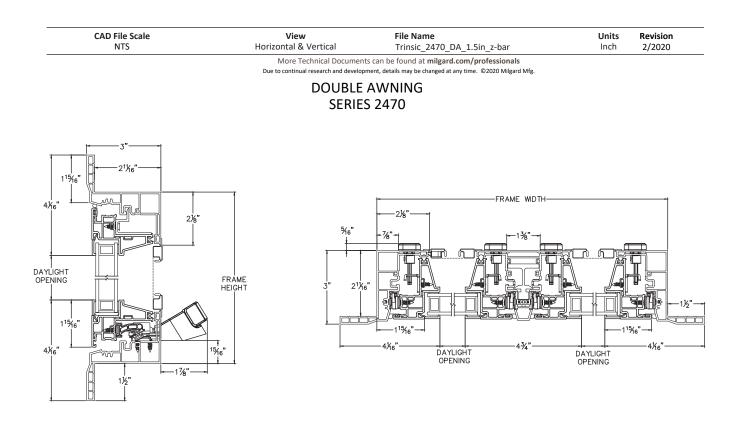


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Double Awning - 1-1/2" Contour Z-bar frame



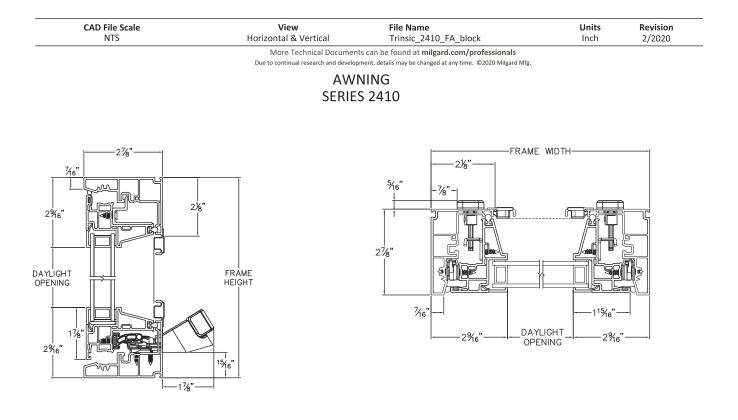
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Full Awning - Block Frame



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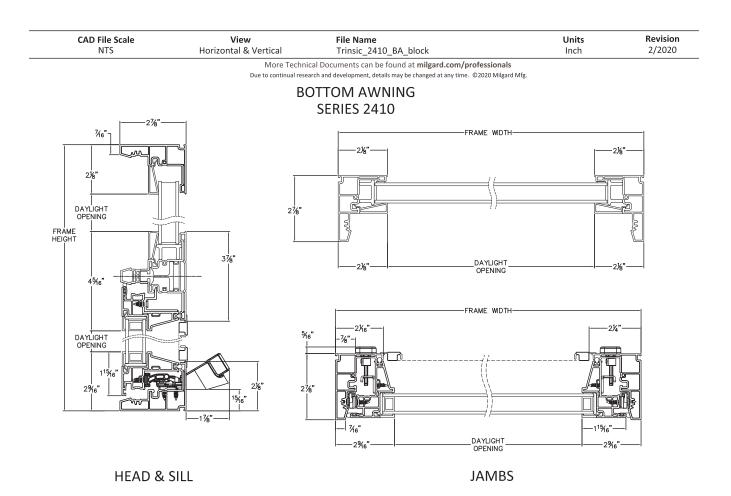
Go back to Quick Links

Awning Window — 28



Bottom Awning - Block Frame

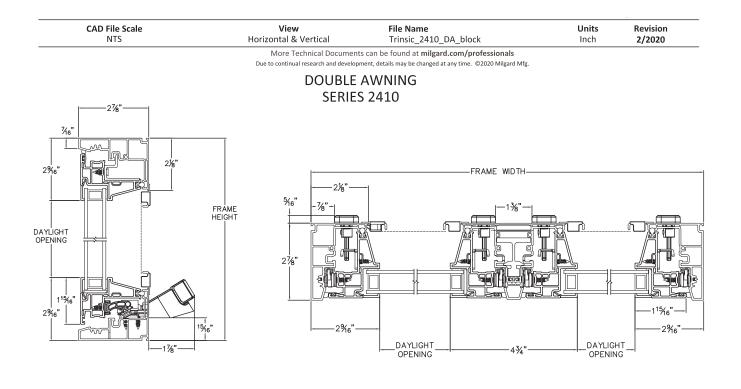
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Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Double Awning - Block Frame



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The Trinsic<sup>™</sup> Series vinyl (PVC) Casement window blends the energy efficiency and low maintenance of vinyl with clean lines and even sightlines.

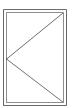
The result is a window with maximum glass area. Available in white, tan, and clay (select regions), as well as premium painted exteriors. The windows will maintain their color and shape and can be constructed to your exact size specifications.

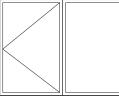
Please also see:

Components Options Hardware Premium Exterior Vinyl Finishes Full Lifetime Warranty



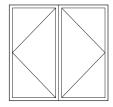
### Configurations



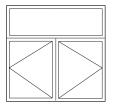


Full Casement

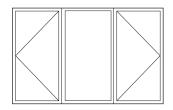
Single Casement



**Double Casement** 



Double bottom Casement



Double Casement/Picture

NOTE: For engineering approval contact your Milgard representative for any configuration over 40 square feet. Each Milgard Manufacturing plant reserves the right to alter or change sizes and configurations according to location capabilities. Ask your Milgard rep about specialty applications. Windows over 40 square feet shipped open for field glazing. Varies by location.

Not all frame styles available at all Milgard locations. Contact your Milgard Representative for more information.

### Minimum/Maximum Sizes

#### **Full Casement**

– Min 1<sup>6</sup>1<sup>6</sup> Max 3<sup>0</sup>5<sup>0</sup>

#### **Single Casement**

- Min 2<sup>3</sup>1<sup>6</sup> Max 6<sup>0</sup>6<sup>0</sup>

#### **Double Casement Picture**

- Min 3<sup>8</sup>1<sup>6</sup> Max 12<sup>0</sup>5<sup>0</sup>

### **Available Frame Styles**

1-3/8" Fin Setback 1" Fin Setback with J-channel 1" Fin Setback with Stucco Key 1-1/2" Contour Z-bar Block Frame (no fin)



## Drawings - Quick Links

#### **Casement Window**

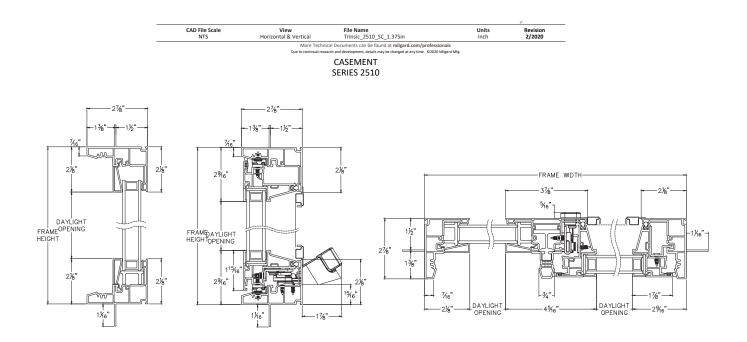
- 34—Single Casement 1-3/8" Fin Setback
- 35—Full Casement 1-3/8" Fin Setback
- 36—Double Casement 1-3/8" Fin Setback
- 37—Single Casement 1" Fin Setback with stucco key
- 38—Full Casement 1" Fin Setback with stucco key
- 39—Double Casement 1" Fin Setback with stucco key
- 40—Single Casement 1" Fin Setback, 3/4" Flat J-channel

- 41—Full Casement 1" Fin Setback, 3/4" Flat J-channel
- 42—Double Casement 1" Fin Setback, 3/4" Flat J-channel
- 43—Single Casement 1-1/2" Contour Z-bar
- 44—Full Casement 1-1/2" Contour Z-bar
- 45—Double Casement 1-1/2" Contour Z-bar
- 46—Single Casement Block Frame
- 47—Full Casement Block Frame
- 48—Double Casement Block Frame

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Single Casement - 1-3/8" Fin Setback



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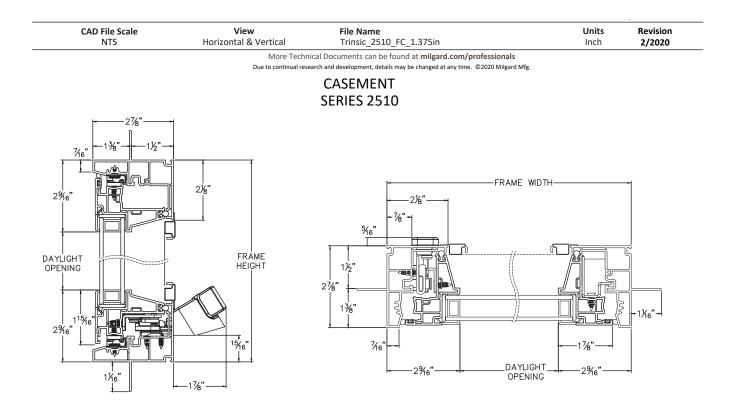
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Full Casement - 1-3/8" Fin Setback



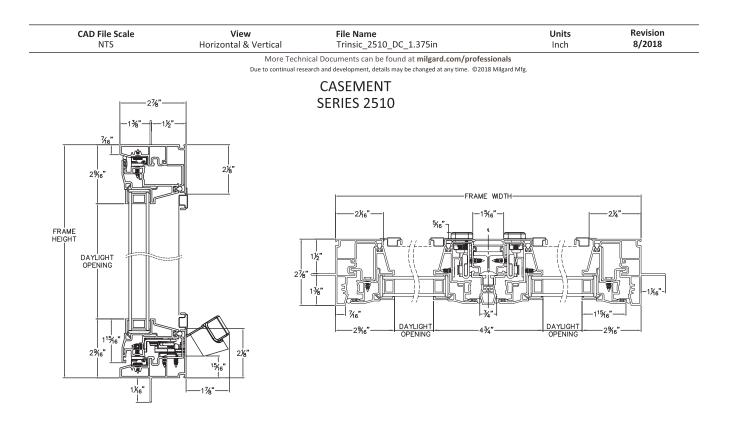
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Double Casement - 1-3/8" Fin Setback



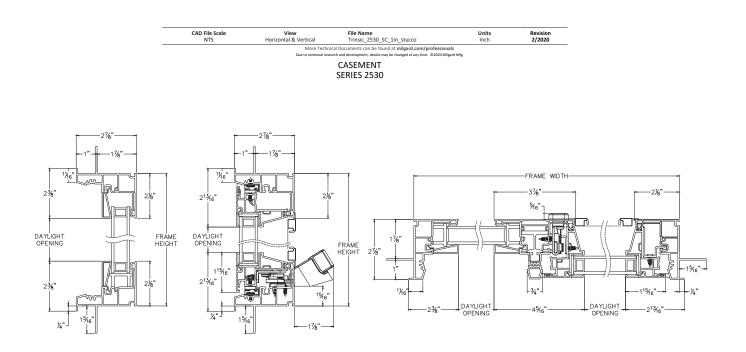
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Single Casement - 1" Fin Setback with stucco key



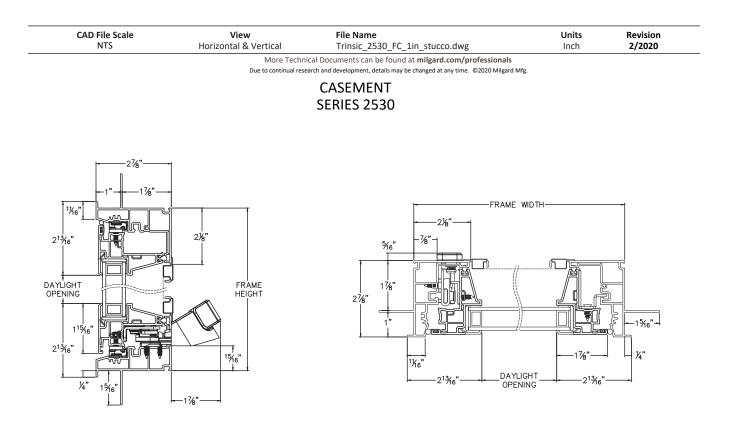
HEAD & SILL

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Full Casement - 1" Fin Setback with stucco key



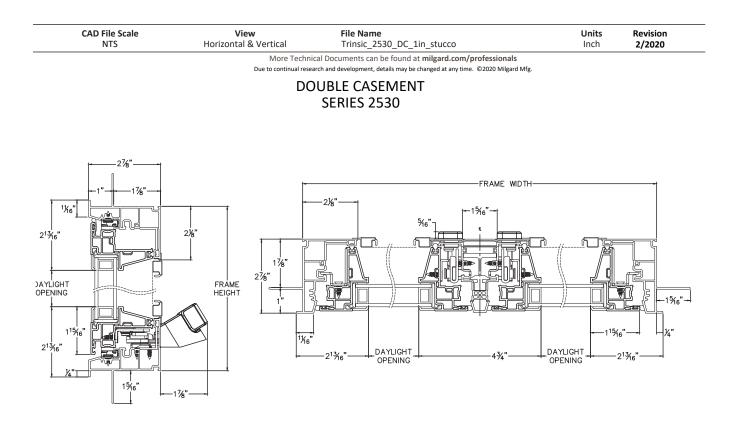
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Double Casement - 1" Fin Setback with stucco key



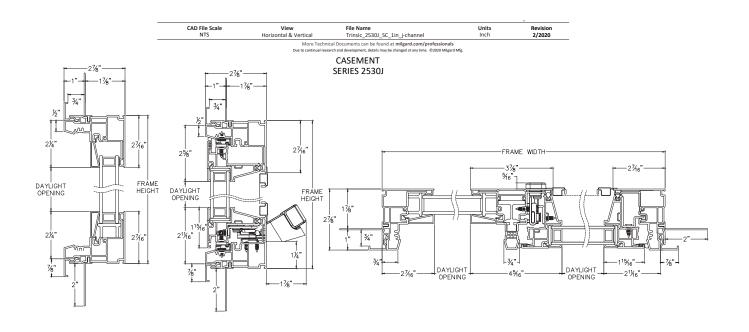
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Single Casement - 1" Fin Setback, 3/4" Flat J-channel



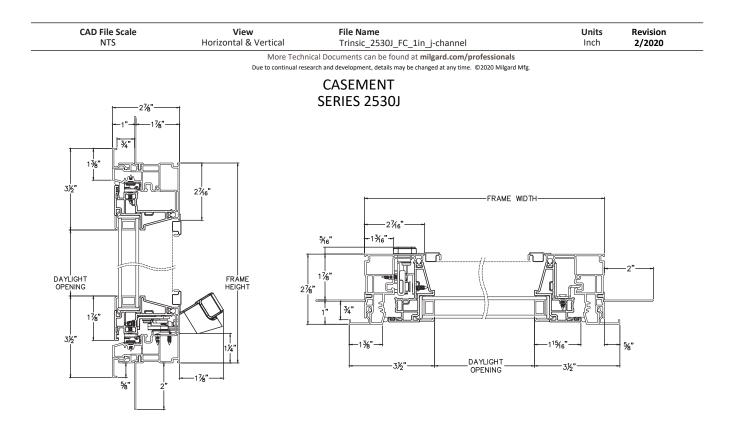
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Full Casement - 1" Fin Setback, 3/4" Flat J-channel



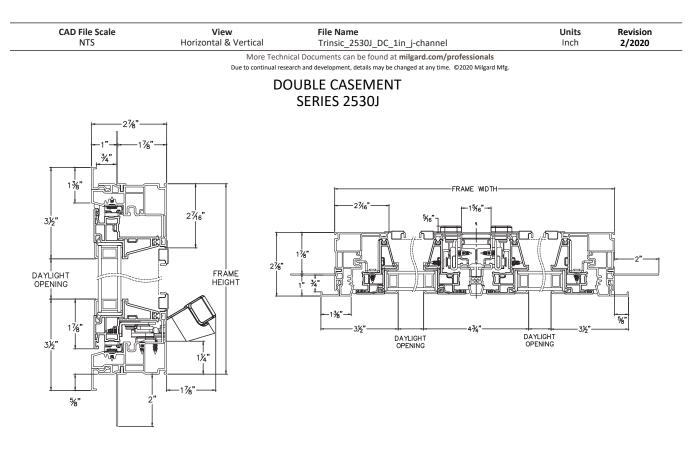
**HEAD & SILL** 

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Double Casement - 1" Fin Setback, 3/4" Flat J-channel



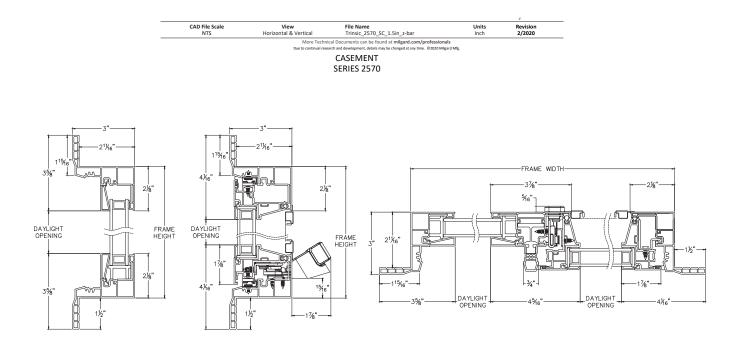
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Single Casement - 1-1/2" Contour Z-bar



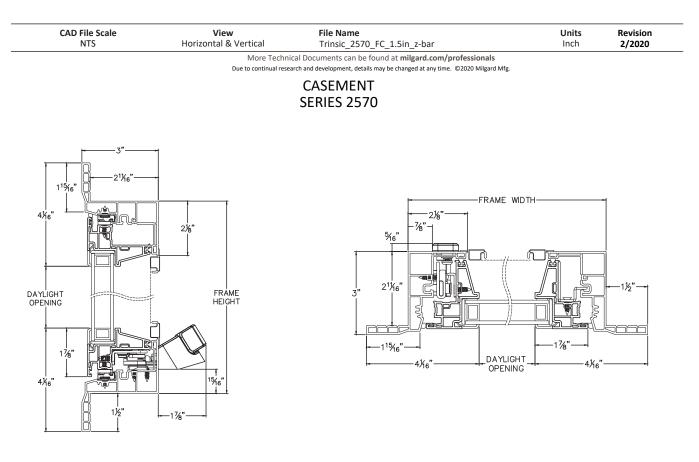
HEAD & SILL

JAMBS





Full Casement - 1-1/2" Contour Z-bar



**HEAD & SILL** 

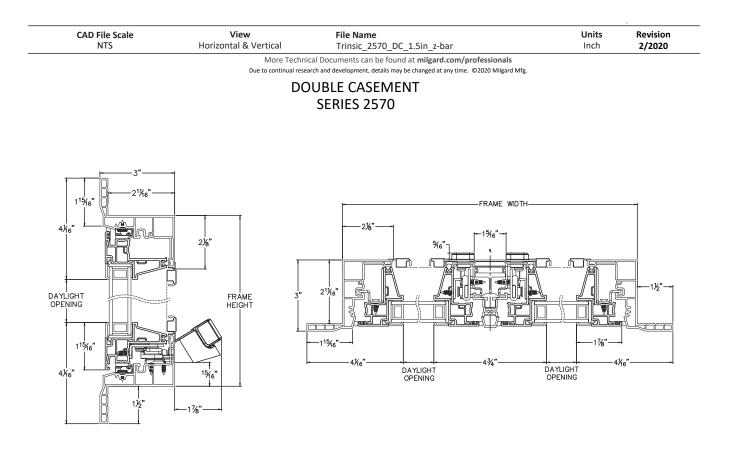
JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





Double Casement - 1-1/2" Contour Z-bar



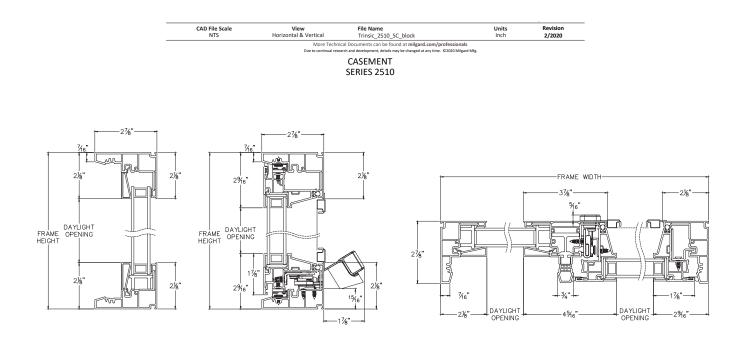
**HEAD & SILL** 

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Single Casement - Block Frame



HEAD & SILL

JAMBS

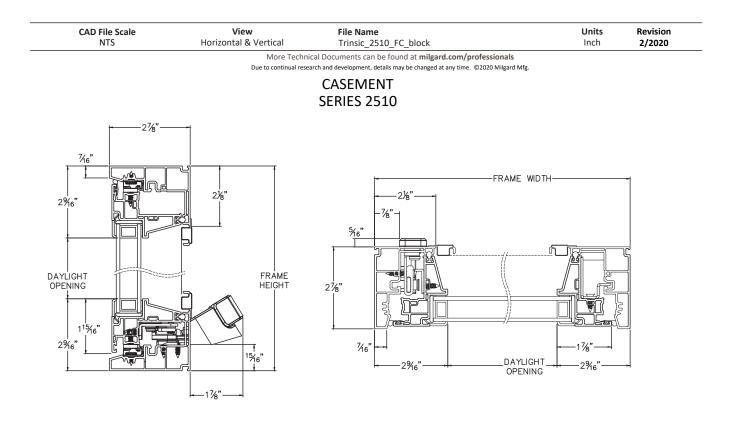
Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources

#### Go back to Quick Links

Casement Window — 46



Full Casement - Block Frame



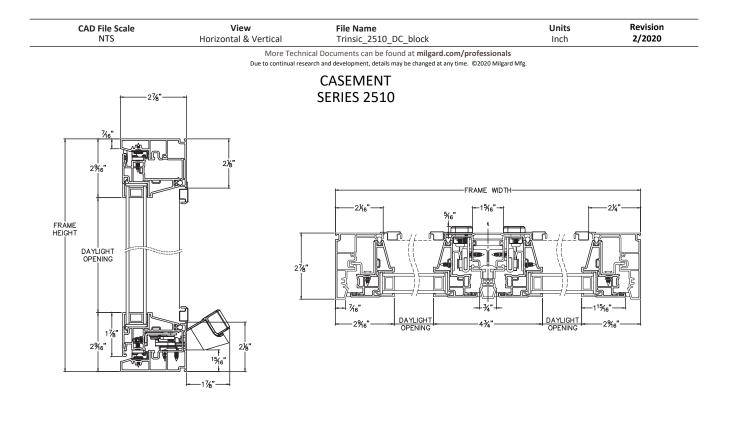
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Double Casement - Block Frame



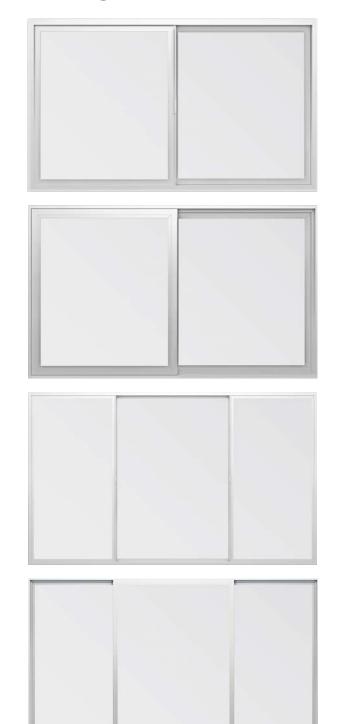
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



### Horizontal Sliding & Double Horizontal Sliding Window



The Trinsic<sup>™</sup> Series vinyl (PVC) Horizontal Sliding window blends the energy efficiency and low maintenance of vinyl with clean lines and even sightlines.

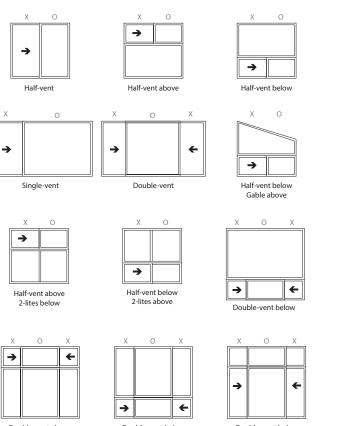
The result is a window with maximum glass area. Available in white, tan, and clay (select regions), as well as premium painted exteriors. The windows will maintain their color and shape and can be constructed to your exact size specifications.

### Please also see:

Components Options Hardware Premium Exterior Vinyl Finishes Full Lifetime Warranty



### Configurations



Double-vent above 3-lites below

- Double-vent below 3-lites above
- Double-vent below

3-lites above

### Minimum/Maximum Sizes

### Half Vent

Min 2°1° Max 6°5° \_

### **Double Vent**

Min 4°1° Max 10°6° \_

#### Half Vent above/below

Min 2°2° Max 6°6° \_

### **Double Vent above**

Min 4º2º \_ Max 8°6°

### **Double Vent below**

Min 4°2° Max 8°6°

### **Available Frame Styles**

1-3/8" Fin Setback 1" Fin Setback with J-channel 1" Fin Setback with Stucco Key 1-1/2" Contour Z-bar Block Frame (no fin)

NOTE: For engineering approval contact your Milgard representative for any configuration over 40 square feet. Each Milgard Manufacturing plant reserves the right to alter or change sizes and configurations according to location capabilities. Ask your Milgard rep about specialty applications. Windows over 40 square feet shipped open for field glazing. Varies by location.

Not all frame styles available at all Milgard locations. Contact your Milgard Representative for more information.



### Drawings - Quick Links

### **Horizontal Sliding Window**

- 54—1-3/8" Fin Setback
- 55—1-3/8" Fin Setback Half Vent Above
- 56—1-3/8" Fin Setback Half Vent Below
- 57—1-3/8" Fin Setback with Stucco Key
- 58—1-3/8" Fin Setback with Stucco Key Half Vent Above
- 59—1-3/8" Fin Setback with Stucco Key Half Vent Below
- 60—Block Frame
- 61—Block Frame Half Vent Above
- 62—Block Frame Half Vent Below
- 63—1" Fin Setback with Stucco Key
- 64—1" Fin Setback with Stucco Key Half Vent Above
- 65—1" Fin Setback with Stucco Key Half Vent Below

- 66—1" Fin Setback with J-channel
- 67—1" Fin Setback with J-channel Half Vent Above
- 68—1" Fin Setback with J-channel Half Vent Below
- 69—1-1/2" Contour Z-bar
- 70—1-1/2" Contour Z-bar Half Vent Above
- 71—1-1/2" Contour Z-bar Half Vent Below

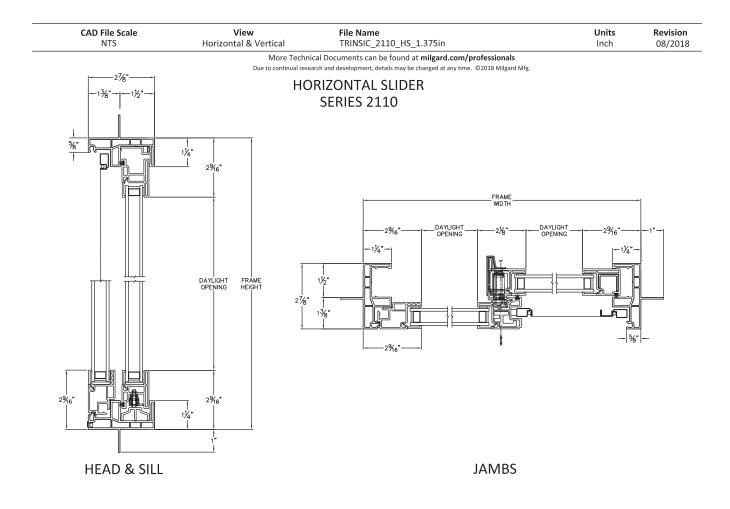
### Double Vent Horizontal Sliding Window

- 72—1-3/8" Fin Setback
- 73—1-3/8" Fin Setback with Stucco Key
- 74—Block Frame
- 75—1" Fin Setback with Stucco Key
- 76—1" Fin Setback with J-channel
- 77—1-1/2" Contour Z-bar





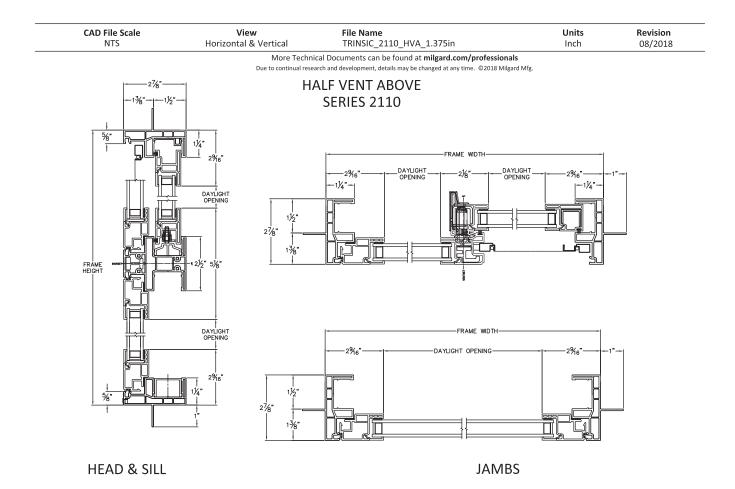
1-3/8" Fin Setback



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



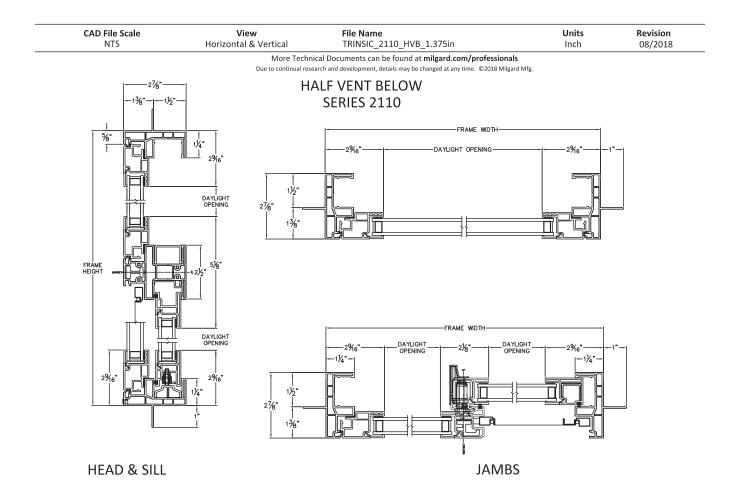
1-3/8" Fin Setback - Half Vent Above







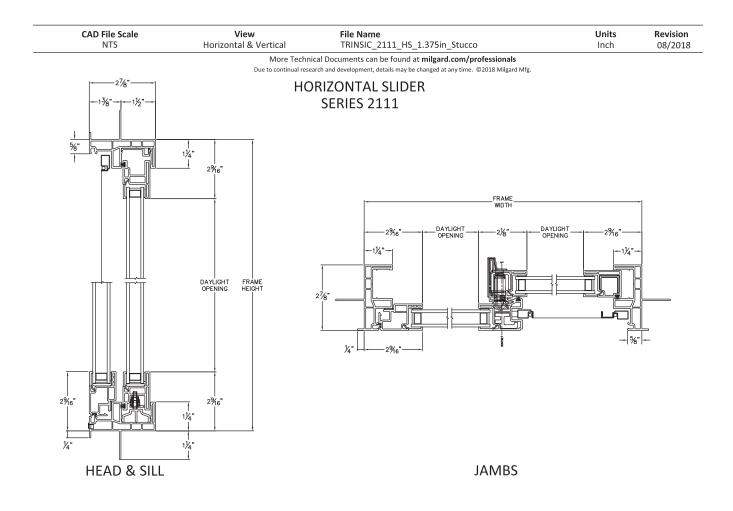
1-3/8" Fin Setback - Half Vent Below







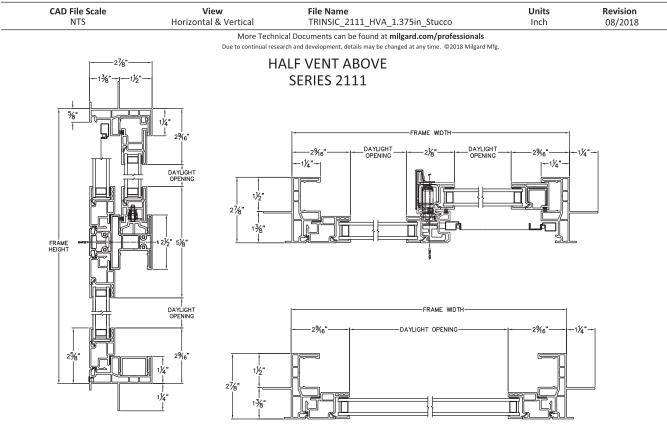
1-3/8" Fin Setback with Stucco Key



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



1-3/8" Fin Setback with Stucco Key - Half Vent Above



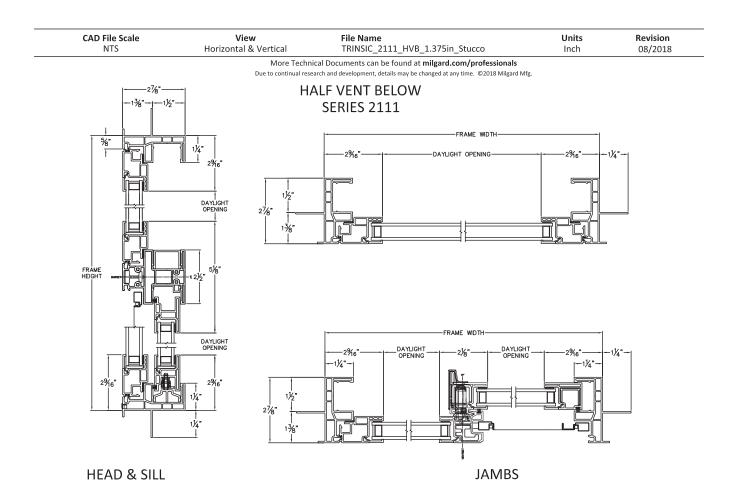
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



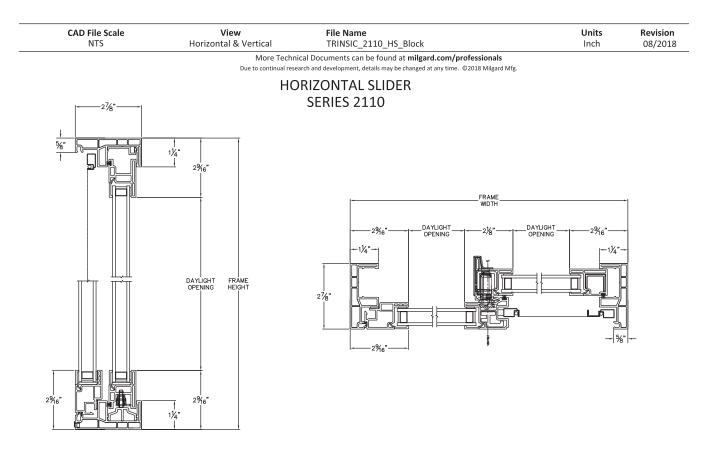
1-3/8" Fin Setback with Stucco Key - Half Vent Below







**Block Frame** 



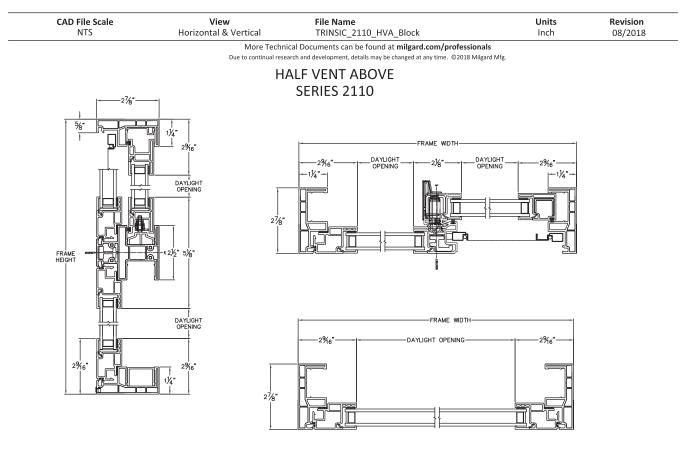
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Block Frame - Half Vent Above



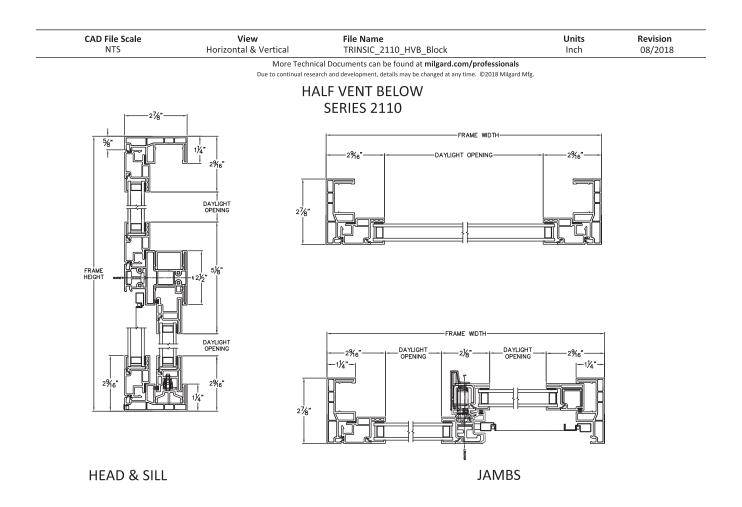
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



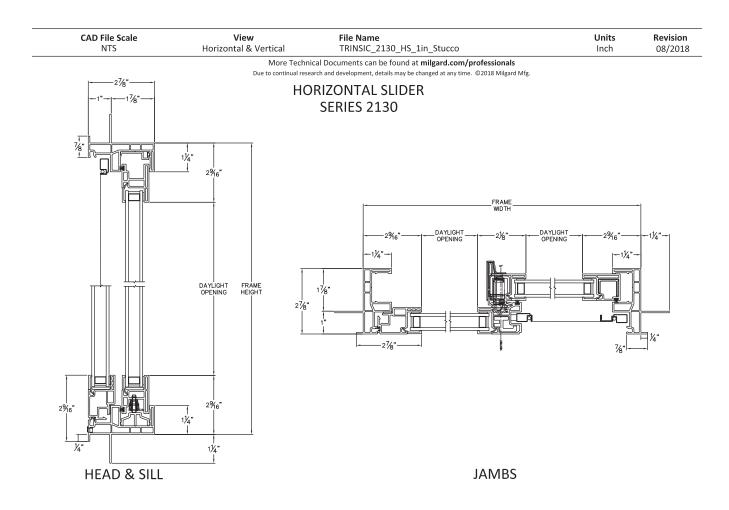
Block Frame - Half Vent Below







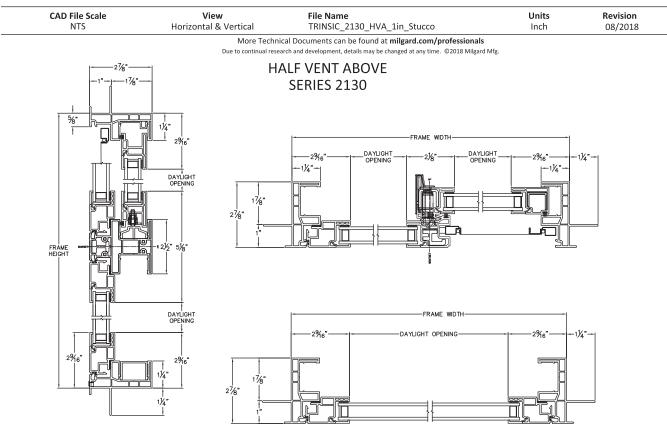
1" Fin Setback with Stucco Key



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



1" Fin Setback with Stucco Key - Half Vent Above



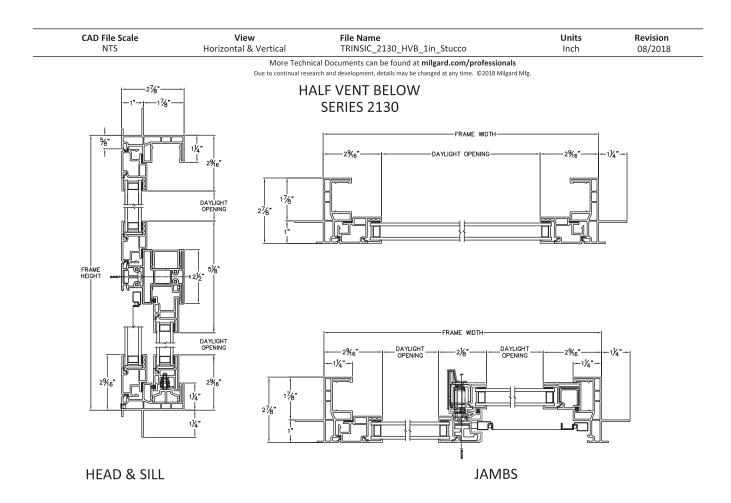
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



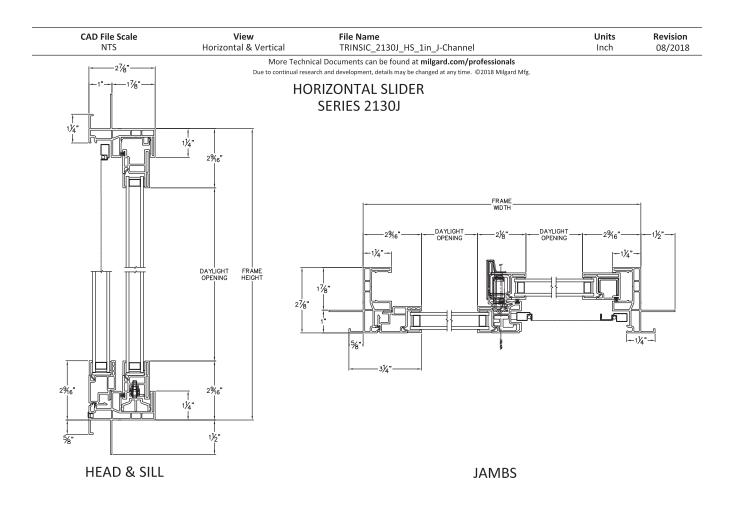
1" Fin Setback with Stucco Key - Half Vent Below







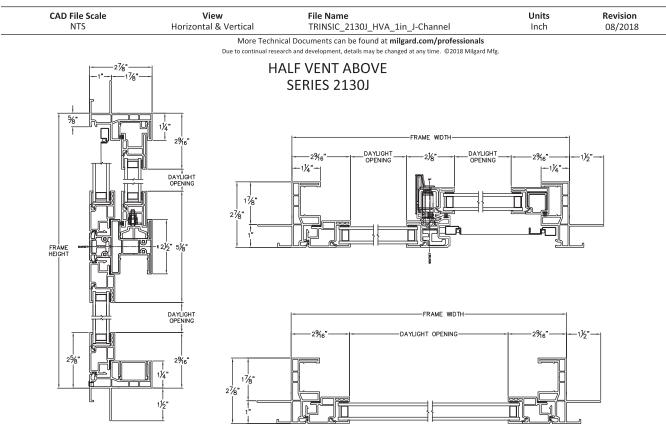
1" Fin Setback with J-channel



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



1" Fin Setback with J-channel - Half Vent Above



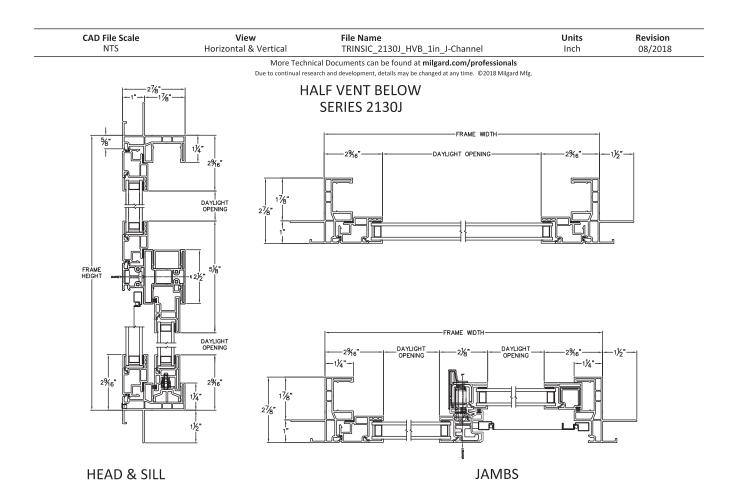
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



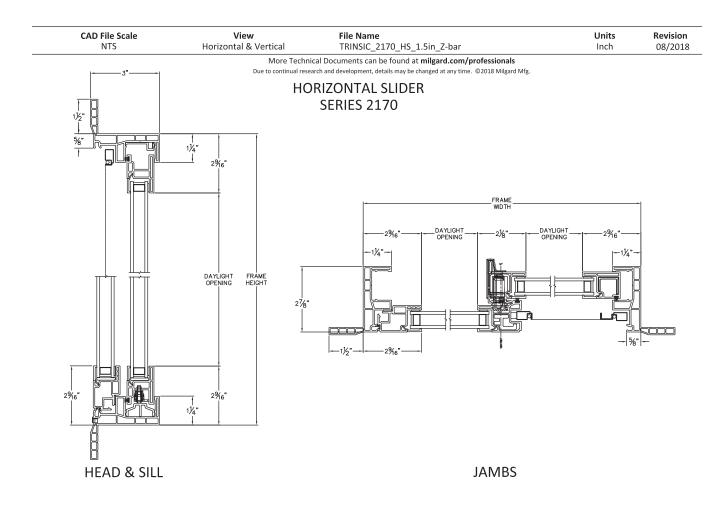
1" Fin Setback with J-channel - Half Vent Below



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



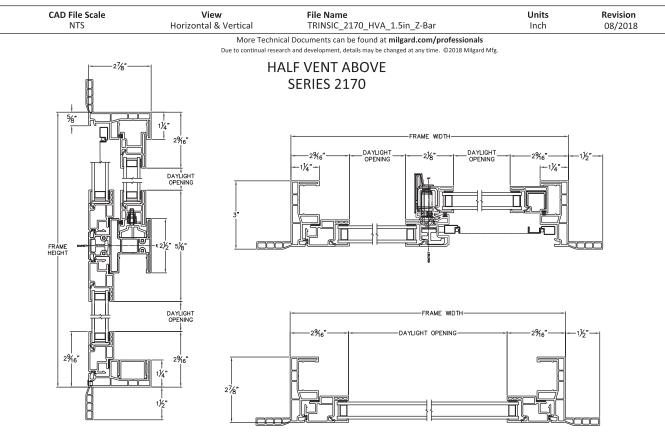
1-1/2" Contour Z-bar



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



1-1/2" Contour Z-bar - Half Vent Above



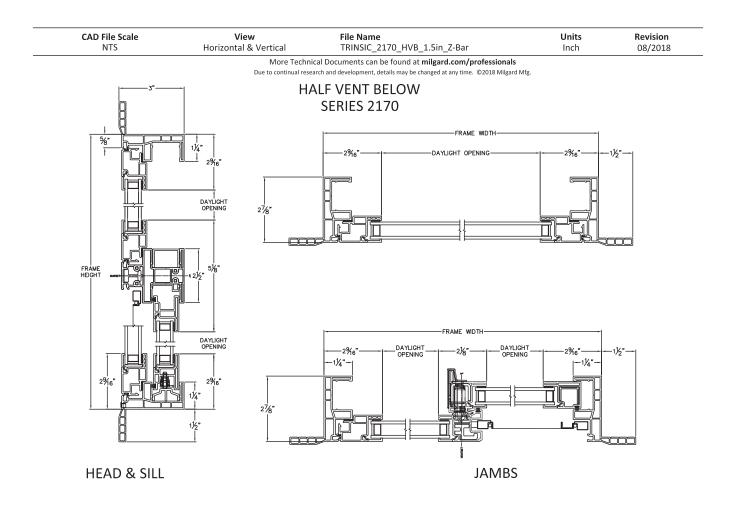
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



1-1/2" Contour Z-bar - Half Vent Below

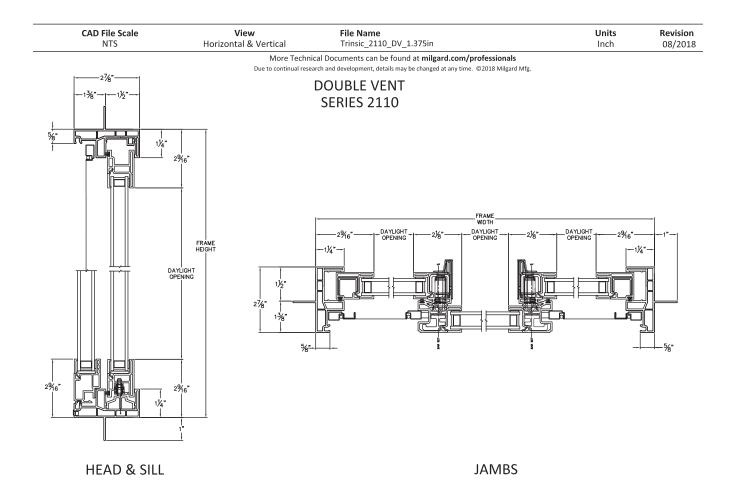






# Double Vent Horizontal Sliding Window

1-3/8" Fin Setback

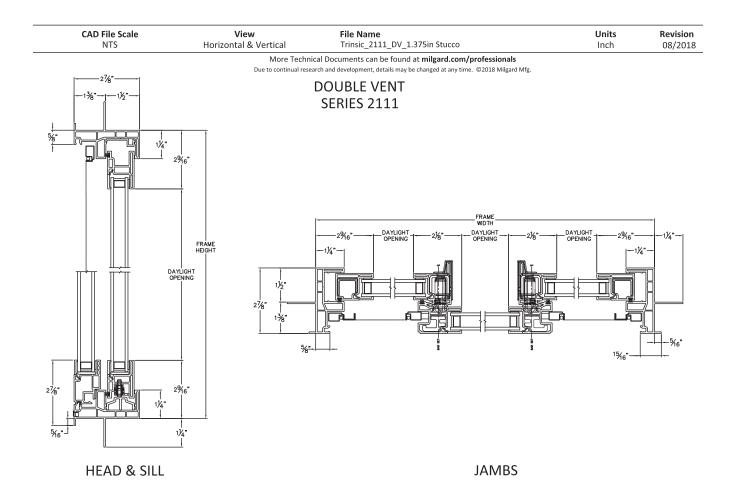


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



### **Double Vent Horizontal Sliding Window**

1-3/8" Fin Setback with Stucco Key

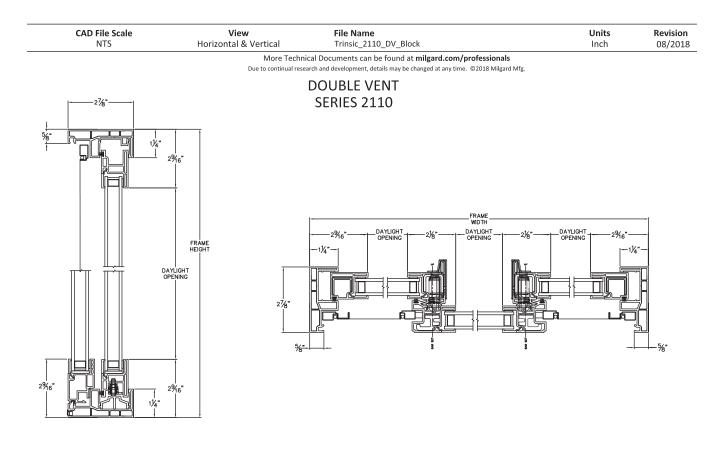


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



### **Double Vent Horizontal Sliding Window**

**Block Frame** 



**HEAD & SILL** 

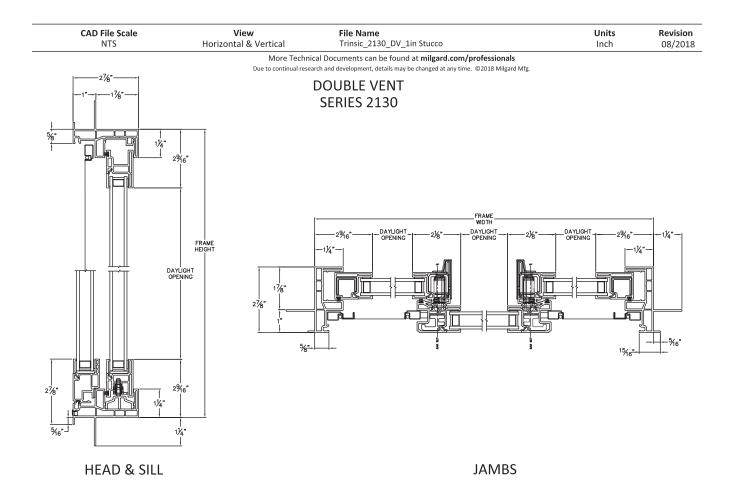
JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



## Double Vent Horizontal Sliding Window

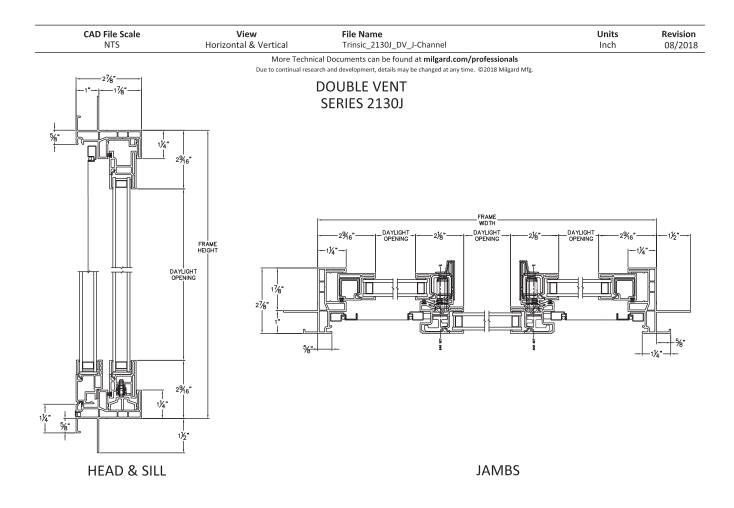
1" Fin Setback with Stucco Key





## **Double Vent Horizontal Sliding Window**

1" Fin Setback with J-channel

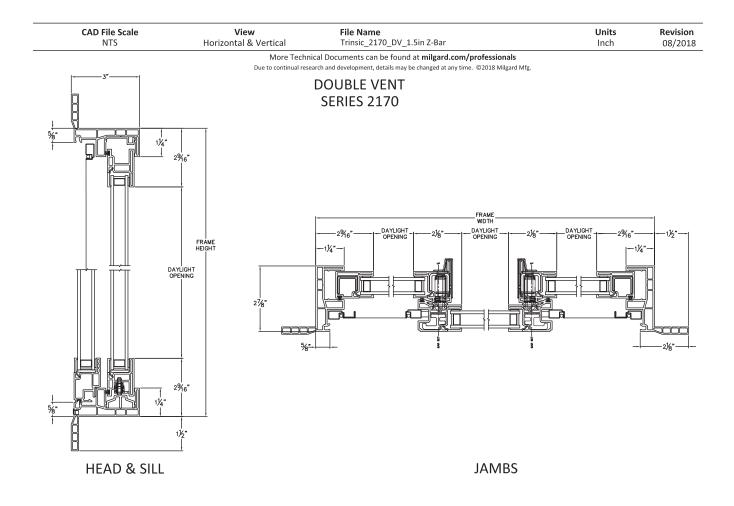


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



# Double Vent Horizontal Sliding Window

1-1/2" Contour Z-bar



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



# Picture and Radius Window





The Trinsic<sup>™</sup> Series vinyl (PVC) Picture window blends the energy efficiency and low maintenance of vinyl with clean lines and even sightlines.

The result is a window with maximum glass area. Available in white, tan, and clay (select regions), as well as premium painted exteriors. The windows will maintain their color and shape and can be constructed to your exact size specifications.



Please also see: Components Options Hardware Premium Exterior Vinyl Finishes Full Lifetime Warranty



#### Trinsic<sup>™</sup> Series Vinyl Windows & Patio Doors Architectural Manual

### **Picture and Radius Window**

#### Configurations

#### Minimum/Maximum Sizes

#### **Picture Window** – Min 1º1º

<sup>0</sup>1<sup>0</sup> Max 8<sup>0</sup>6<sup>0</sup>

#### Available Frame Styles

1-3/8" Fin Setback 1" Fin Setback with J-channel 1" Fin Setback with Stucco Key 1-1/2" Contour Z-bar Block Frame (no fin)

 Picture
 Round Top

 Round Top
 Gable

 Quarter Round
 Gable

 Round Top/Picture
 Octagon

 Half Round
 Arch Top/Picture

 Arch Top
 Arch Top/Picture

NOTE: For engineering approval contact your Milgard representative for any configuration over 40 square feet. Each Milgard Manufacturing plant reserves the right to alter or change sizes and configurations according to location capabilities. Ask your Milgard rep about specialty applications. Windows over 40 square feet shipped open for field glazing. Varies by location.

Not all frame styles available at all Milgard locations. Contact your Milgard Representative for more information.



### Drawings - Quick Links

#### **Picture/Radius Window**

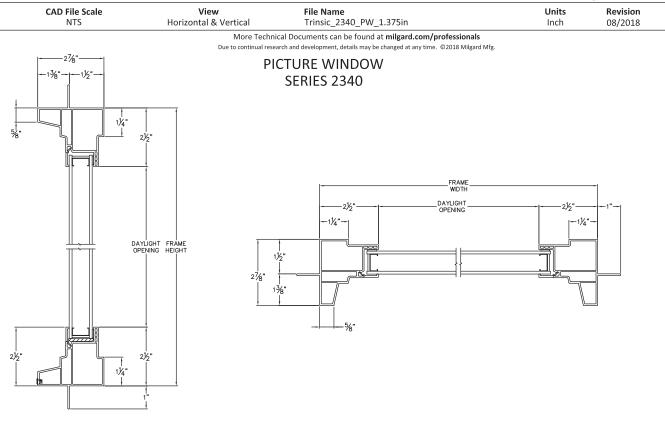
- 81—1-3/8" Fin Setback Step Frame
- 82—1-3/8" Fin Setback with Stucco Key Step Frame
- 83—1" Fin Setback with J-channel Step Frame
- 84—1" Fin Setback with Stucco Key Step Frame
- 85—1-3/8" Fin Setback Slider Frame
- 86—1-3/8" Fin Setback with Stucco Key Slider Frame
- 87—1" Fin Setback with Stucco Key Slider Frame
- 88—1" Fin Setback with J-channel Slider Frame
- 89-1-1/2" Contour Z-bar Slider Frame
- 90—Block Frame Slider Frame
- 91—1-3/8" Fin Setback Casement Frame
- 92—1-3/8" Fin Setback with stucco key Casement Frame

- 93—1" Fin Setback with stucco key Casement Frame
- 94—1" Fin Setback with J-channel Casement Frame
- 95—1.5" Contour Z-bar Casement Frame
- 96—Block Frame Casement Frame
- 97—2 Lites Vertical 1-3/8" Fin Setback Casement Frame
- 98—2 Lites Vertical 1-3/8" Fin Setback with stucco key - Casement Frame
- 99—2 Lites Vertical 1-3/8" Fin Setback with stucco key - Casement Frame
- 100—2 Lites Vertical 1" Fin Setback with stucco key - Casement Frame
- 101—2 Lites Vertical 1-1/2" Contour Z-bar -Casement Frame
- 102-2 Lites Vertical Block Frame Casement Frame





1-3/8" Fin Setback - Step Frame



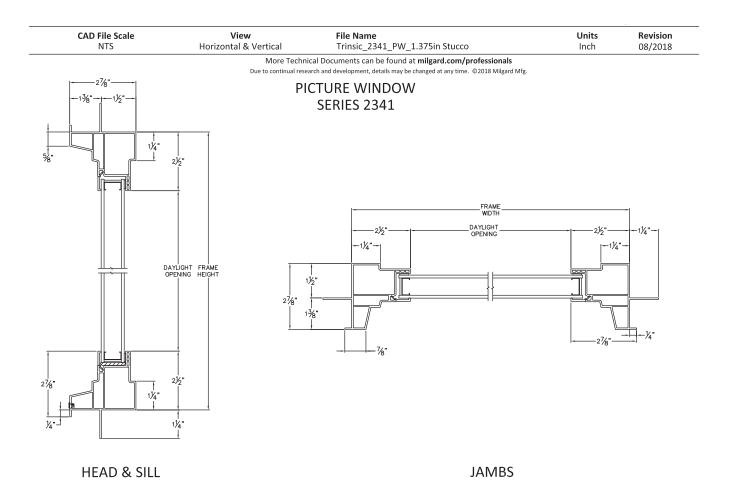
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources

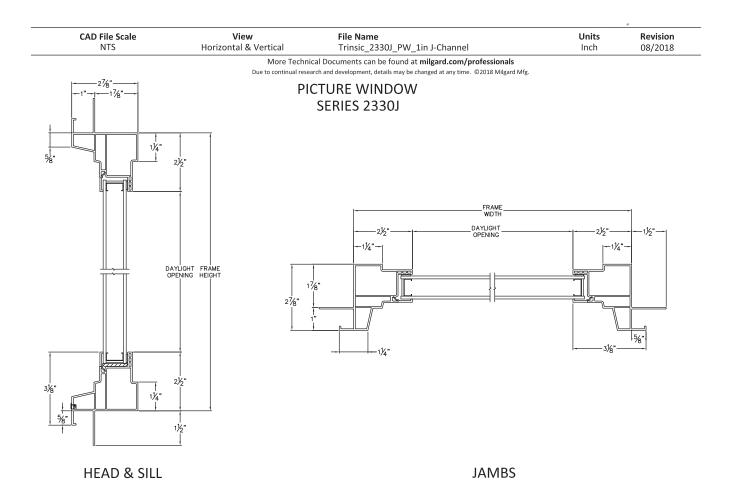


1-3/8" Fin Setback with Stucco Key - Step Frame





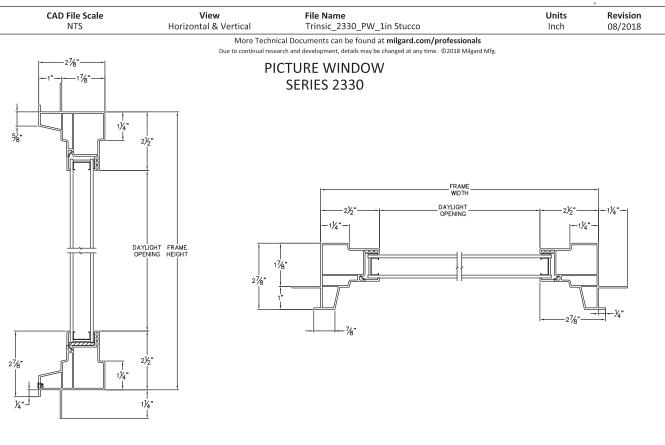
1" Fin Setback with J-channel - Step Frame



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



1" Fin Setback with Stucco Key - Step Frame



**HEAD & SILL** 

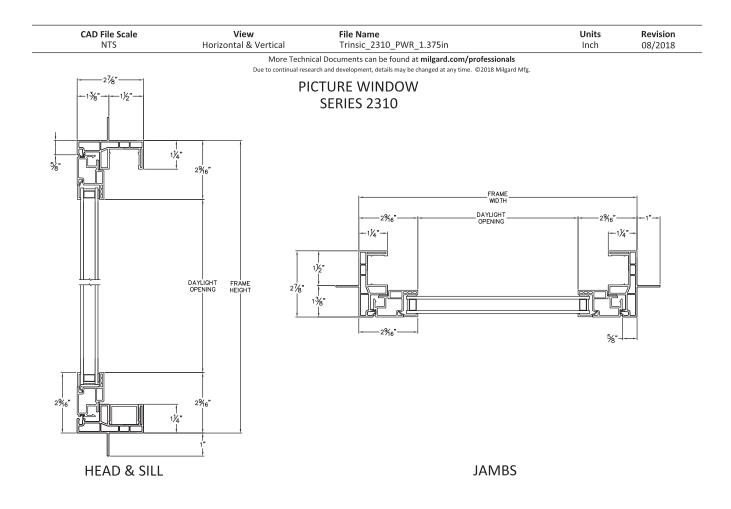
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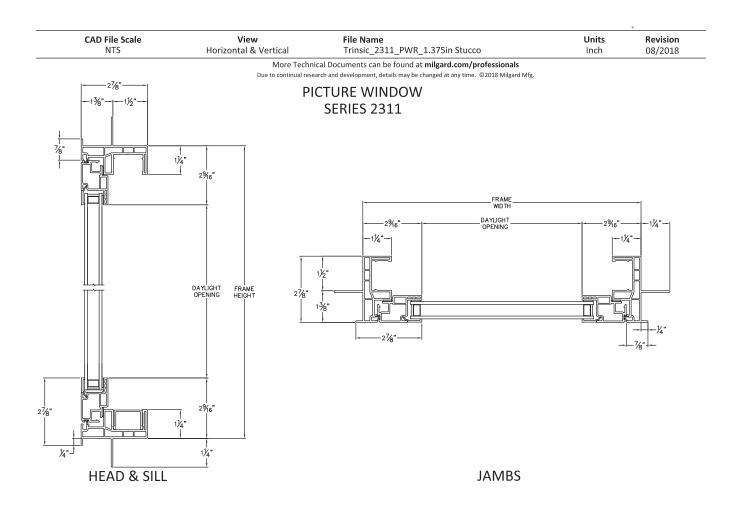
1-3/8" Fin Setback - Slider Frame



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



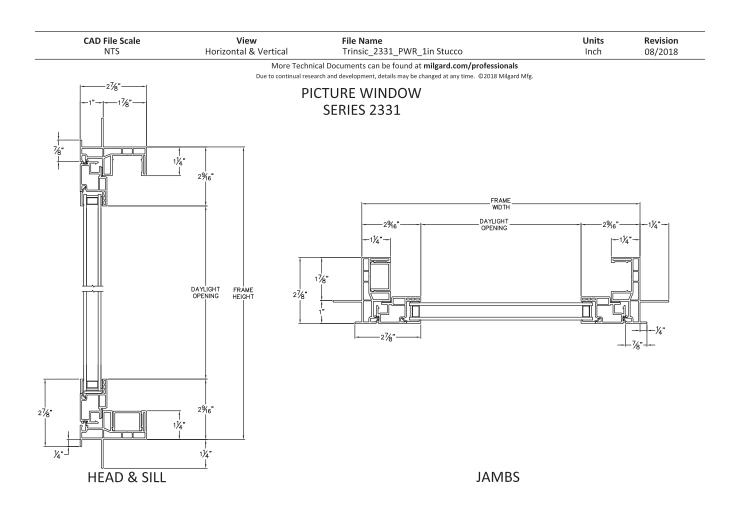
1-3/8" Fin Setback with Stucco Key - Slider Frame



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



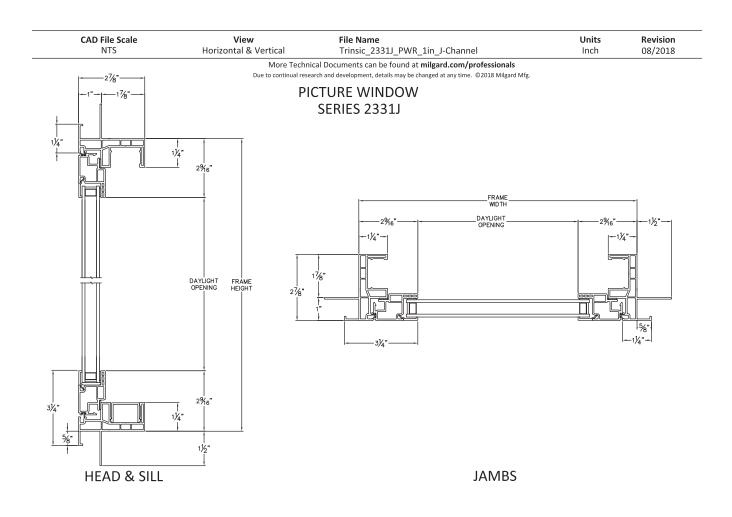
1" Fin Setback with Stucco Key - Slider Frame



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



1" Fin Setback with J-channel - Slider Frame

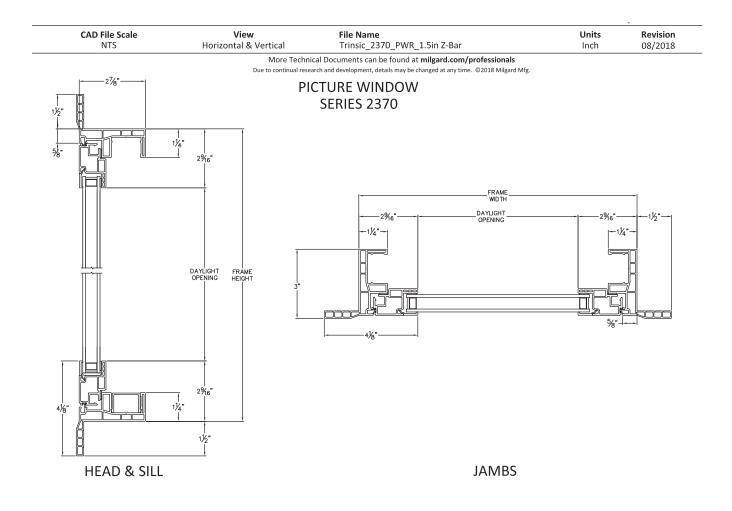








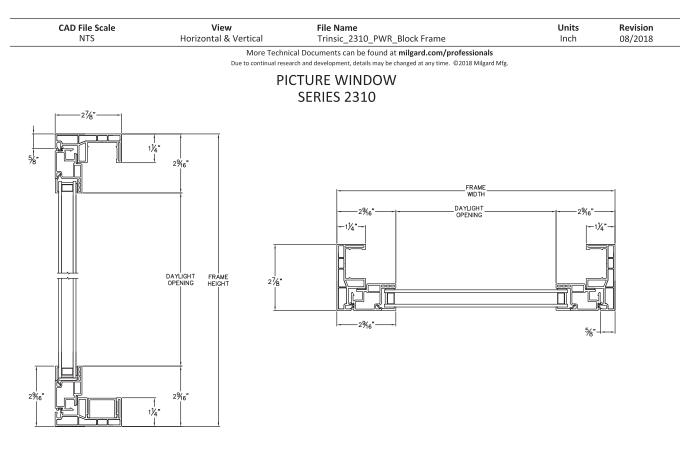
1-1/2" Contour Z-bar - Slider Frame



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Block Frame - Slider Frame



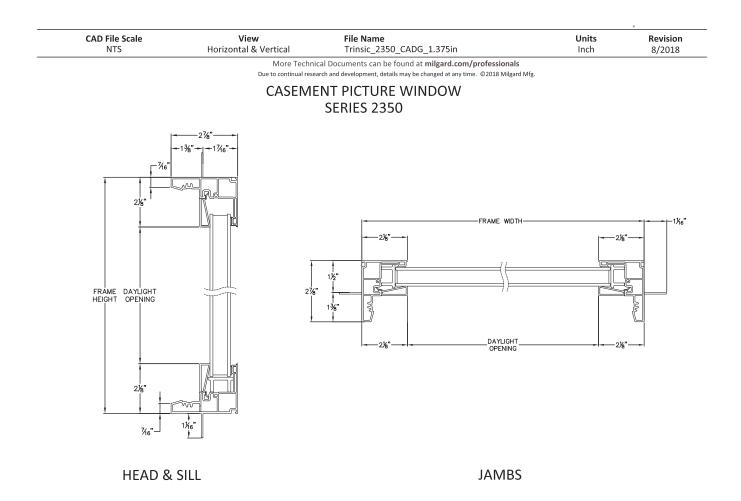
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



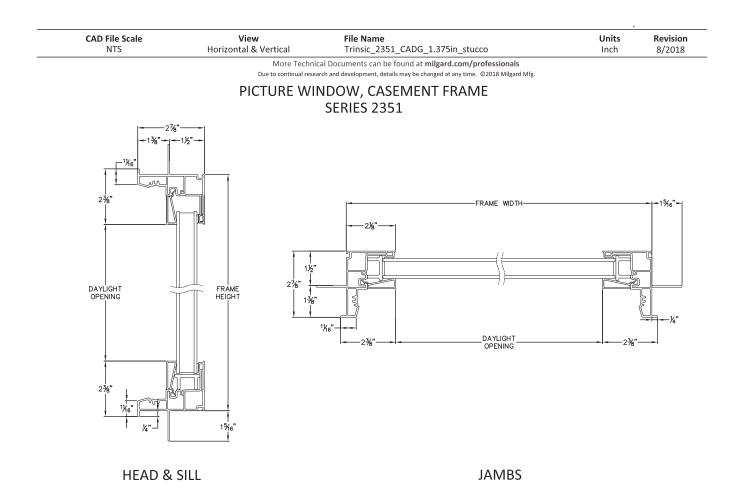
1-3/8" Fin Setback - Casement Frame



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



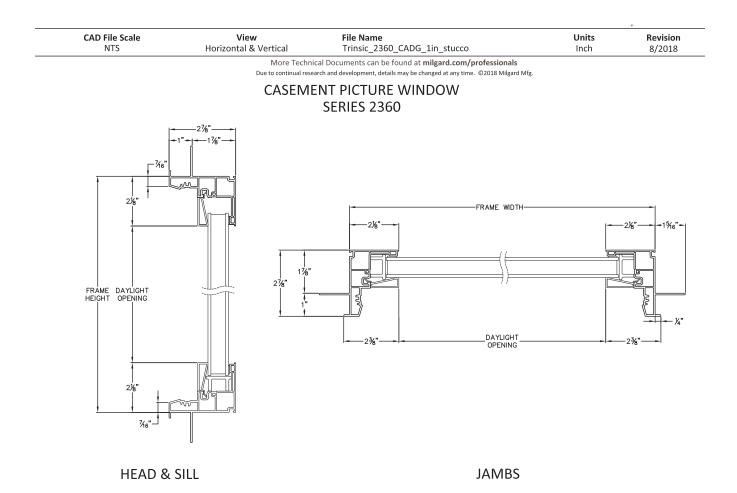
1-3/8" Fin Setback with stucco key - Casement Frame







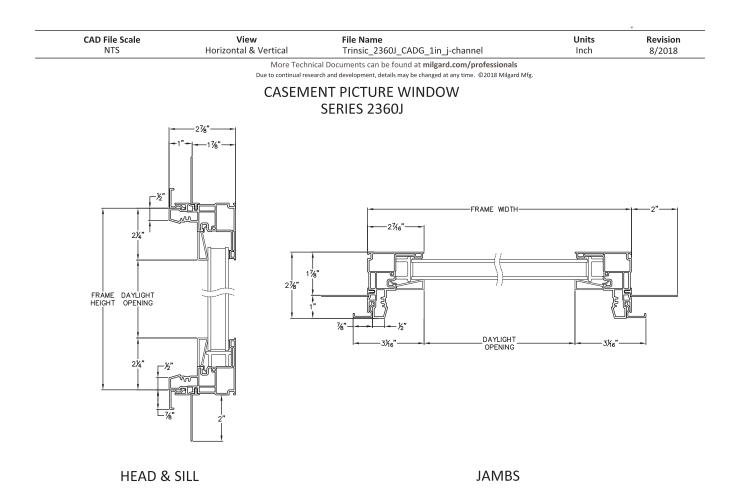
1" Fin Setback with stucco key - Casement Frame



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



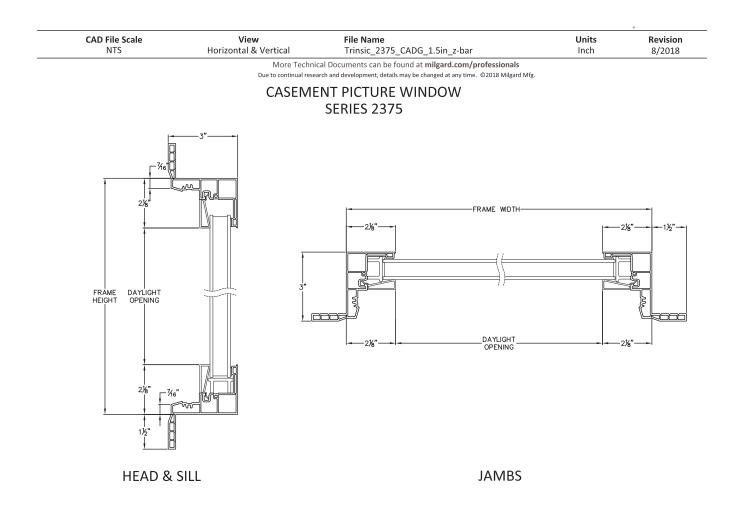
1" Fin Setback with J-channel - Casement Frame







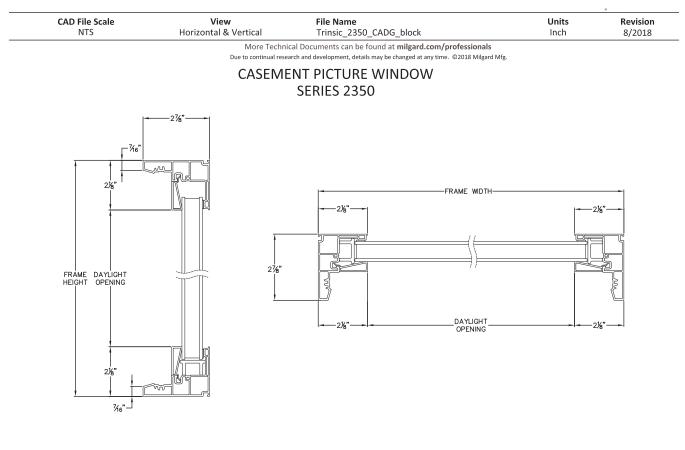
1.5" Contour Z-bar - Casement Frame



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Block Frame - Casement Frame



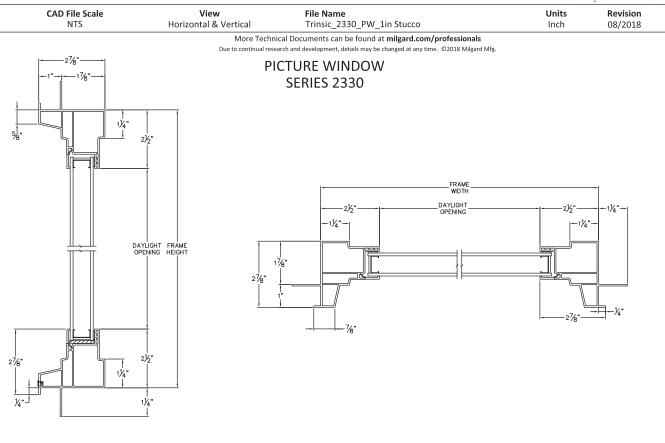
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



2 Lites Vertical - 1-3/8" Fin Setback - Casement Frame



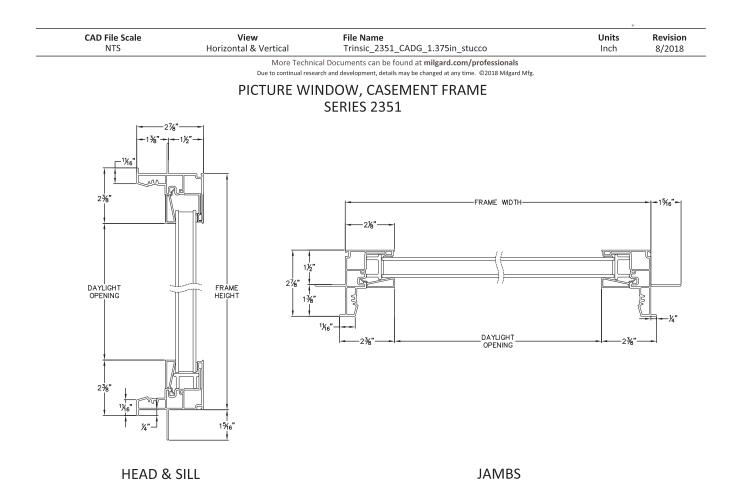
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



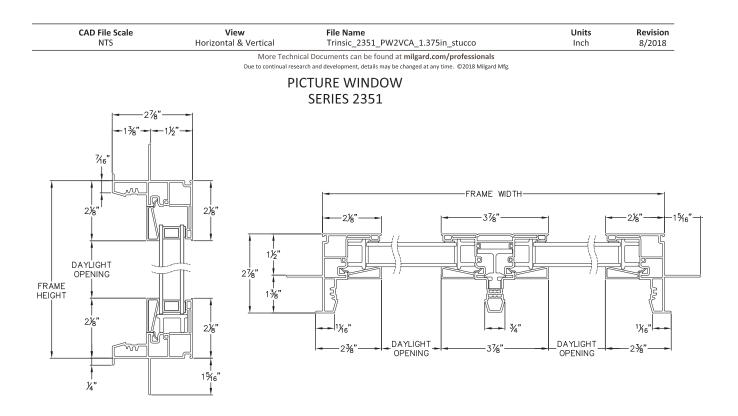
2 Lites Vertical - 1-3/8" Fin Setback with stucco key - Casement Frame



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



2 Lites Vertical - 1-3/8" Fin Setback with stucco key - Casement Frame



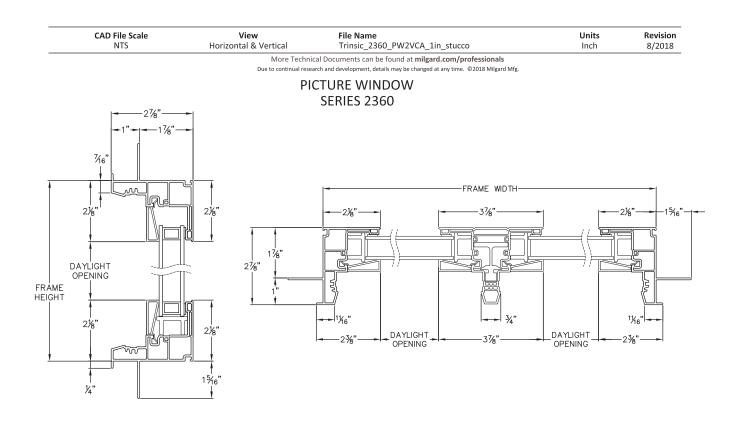
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



2 Lites Vertical - 1" Fin Setback with stucco key - Casement Frame



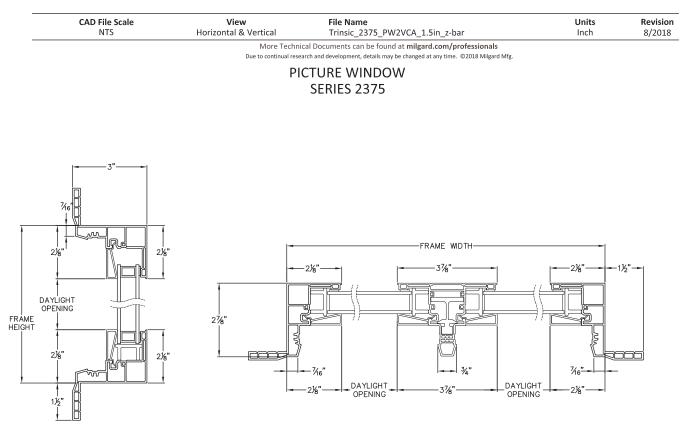
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



2 Lites Vertical - 1-1/2" Contour Z-bar - Casement Frame



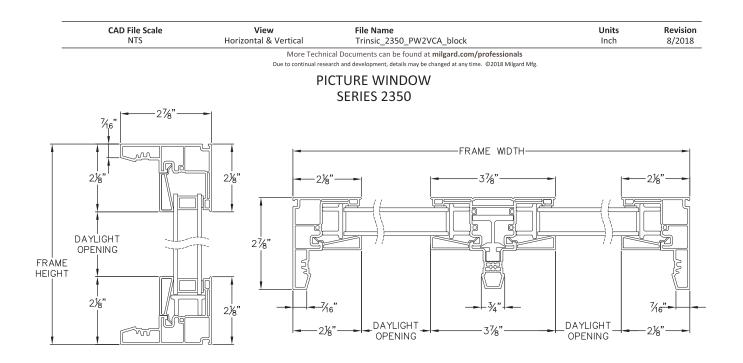
HEAD & SILL

JAMBS

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2 Lites Vertical - Block Frame - Casement Frame



HEAD & SILL

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources







The Trinsic<sup>™</sup> Series vinyl (PVC) Single Hung window blends the energy efficiency and low maintenance of vinyl with clean lines and even sightlines.

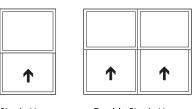
The result is a window with maximum glass area. Available in white, tan, and clay (select regions), as well as premium painted exteriors. The windows will maintain their color and shape and can be constructed to your exact size specifications.

Please also see:

Components Options Hardware Premium Exterior Vinyl Finishes Full Lifetime Warranty

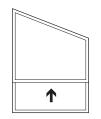


#### Configurations



Single Hung

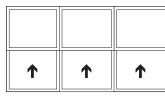
Double Single Hung



Gable Top Single Hung



Double Single Hung/Center Lite



Triple Single Hung

NOTE: For engineering approval contact your Milgard representative for any configuration over 40 square feet. Each Milgard Manufacturing plant reserves the right to alter or change sizes and configurations according to location capabilities. Ask your Milgard rep about specialty applications. Windows over 40 square feet shipped open for field glazing. Varies by location.

Not all frame styles available at all Milgard locations. Contact your Milgard Representative for more information.

#### Minimum/Maximum Sizes

#### Single-Hung

- Min 1°2<sup>6</sup> Max 4°6<sup>6</sup>
- **Triple Single-Hung** 
  - Min 3°2<sup>6</sup> Max 9°6<sup>3</sup>

#### **Available Frame Styles**

- 1-3/8" Nail Fin Setback 1" Nail Fin Setback with Stucco Key 1" Nail Fin Setback with J-Channel 1-1/2" Contour Z-bar
- Block Frame (no fin)



### **Drawings - Quick Links**

#### **Single Hung Window**

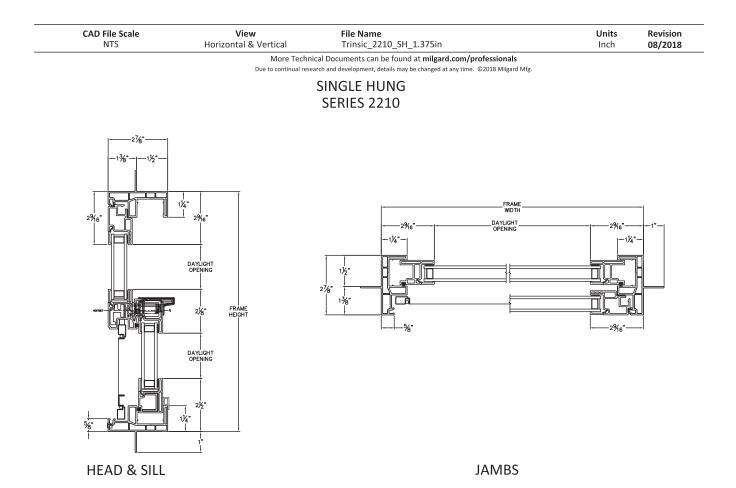
- 106—1-3/8" Fin Setback
- 107—1-3/8" Fin Setback with Stucco Key
- 108—Single Hung Above 1-3/8" Fin Setback
- 109—Single Hung Below 1-3/8" Fin Setback
- 110—Single Hung Above 1-3/8" Fin Setback with Stucco Key
- 111—Single Hung Below 1-3/8" Fin Setback with Stucco Key
- 112—Triple Single Hung 1-3/8" Fin Setback
- 113—Triple Single Hung 1-3/8" Fin Setback with Stucco Key
- 114—Block Frame
- 115—Single Hung Above Block Frame
- 116—Single Hung Below Block Frame
- 117—Triple Single Hung Block Frame

- 118—1" Fin Setback with J-channel
- 119—1" Fin Setback with Stucco Key
- 120—Single Hung Above 1" Fin Setback with Stucco Key
- 121—Triple Single Hung 1" Fin Setback with Stucco Key
- 122—Single Hung Below 1" Fin Setback with Stucco Key
- 123—Single Hung Above 1" Fin Setback with J-Channel
- 124—Single Hung Below 1" Fin Setback with J-Channel
- 125—Triple Single Hung 1" Fin Setback with J-channel
- 126—1-1/2" Z-bar
- 127—Single Hung Above 1-1/2" Contour Z-bar
- 128—Single Hung Below 1-1/2" Contour Z-bar
- 129—Triple Single Hung 1-1/2" Contour Z-bar





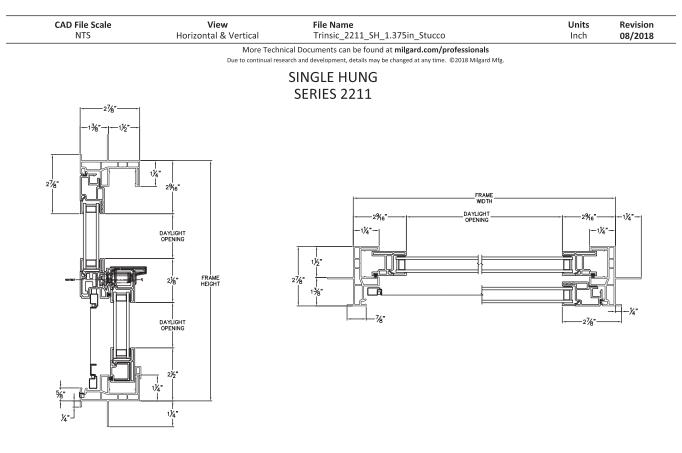
1-3/8" Fin Setback







1-3/8" Fin Setback with Stucco Key



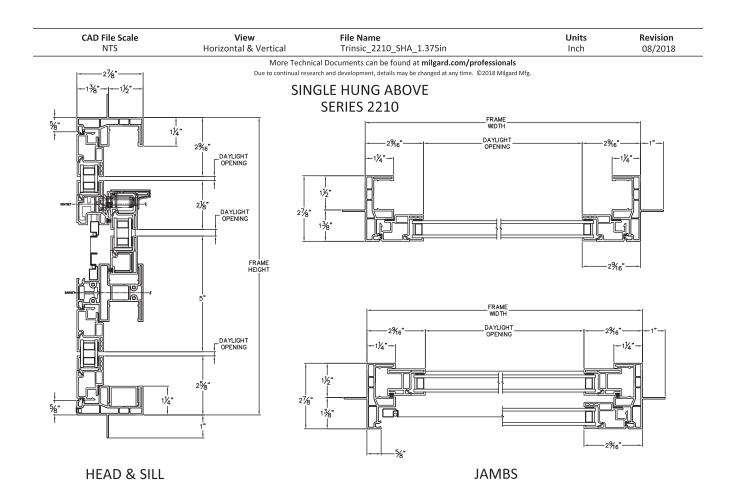
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



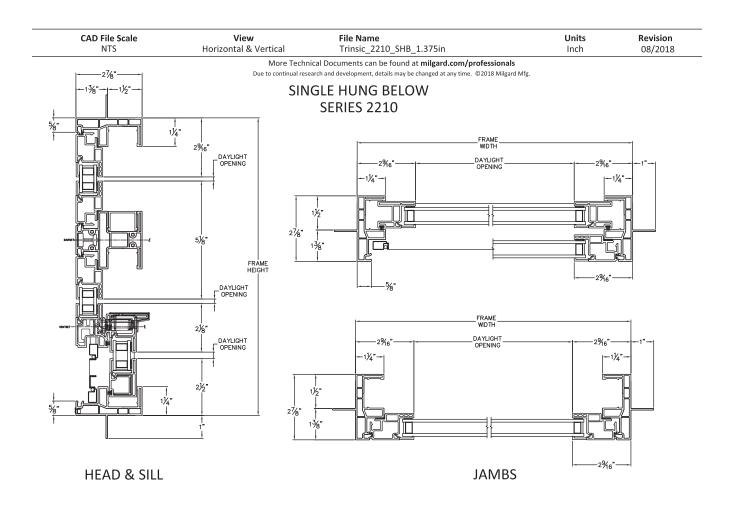
Single Hung Above - 1-3/8" Fin Setback



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



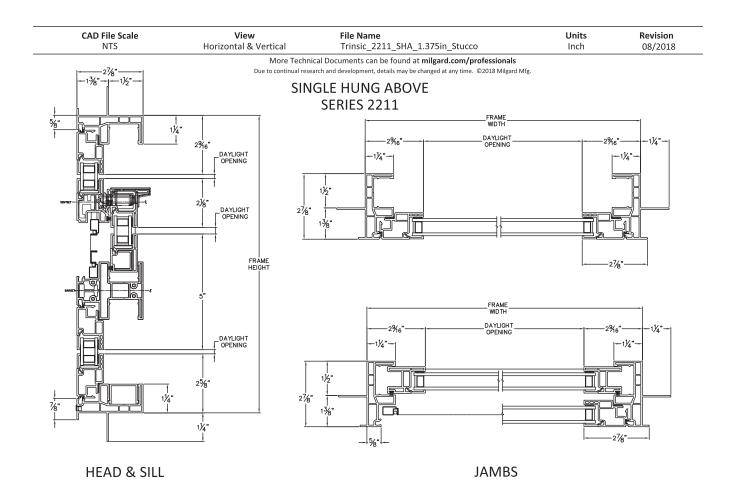
Single Hung Below - 1-3/8" Fin Setback







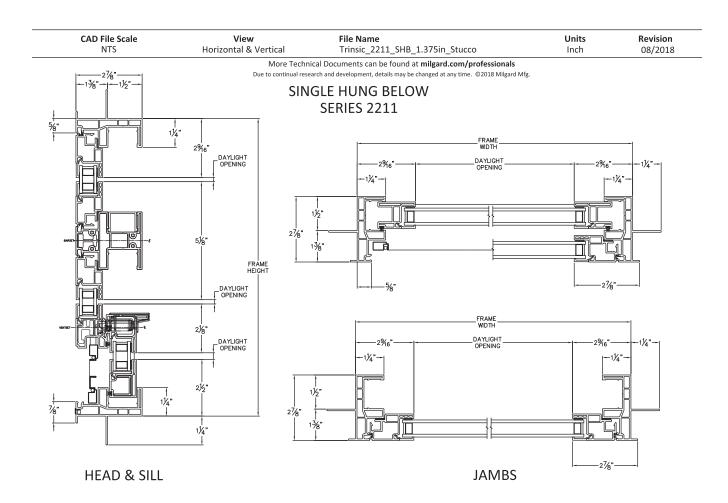
Single Hung Above - 1-3/8" Fin Setback with Stucco Key







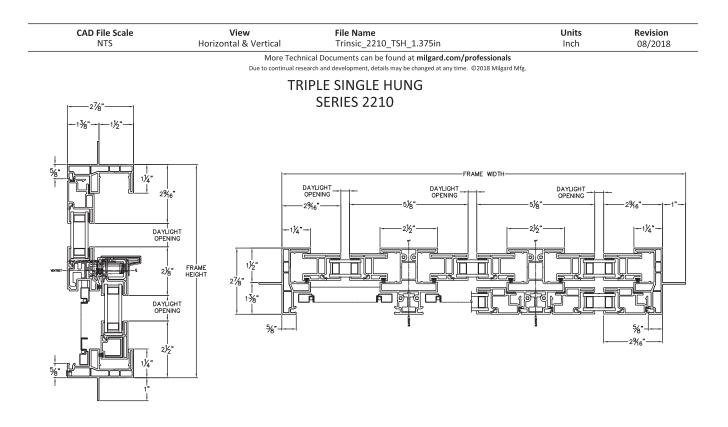
Single Hung Below - 1-3/8" Fin Setback with Stucco Key



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Triple Single Hung - 1-3/8" Fin Setback



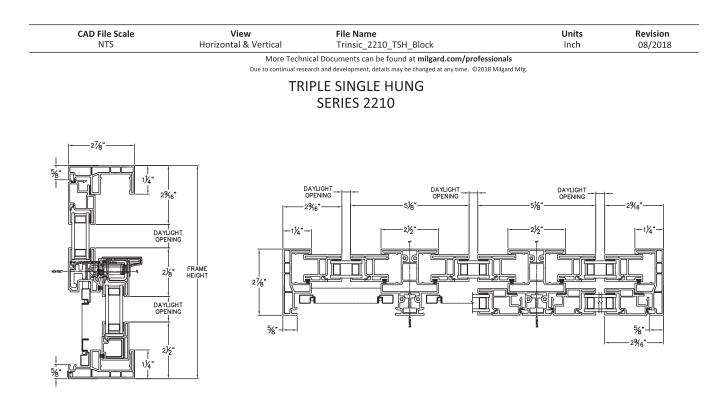
**HEAD & SILL** 

JAMBS

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Triple Single Hung - 1-3/8" Fin Setback with Stucco Key



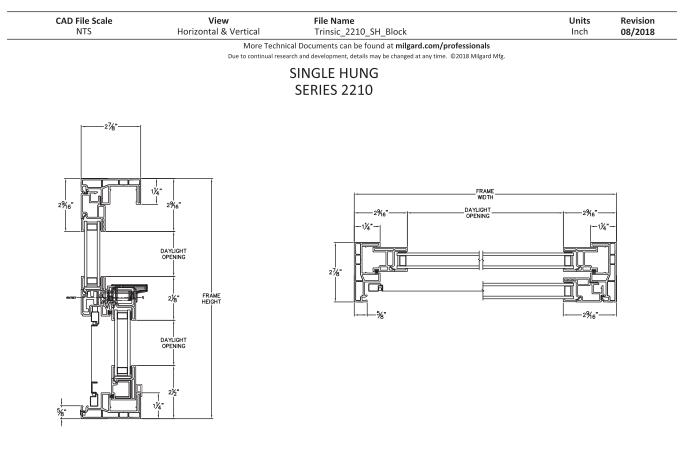
**HEAD & SILL** 

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**Block Frame** 



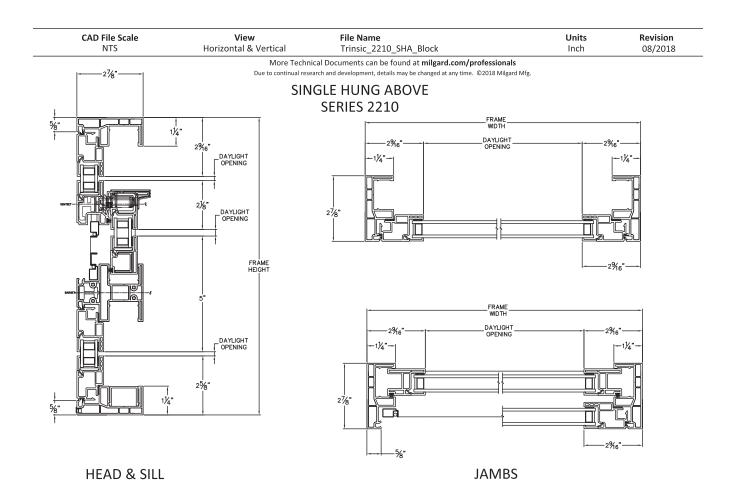
**HEAD & SILL** 

JAMBS





Single Hung Above - Block Frame

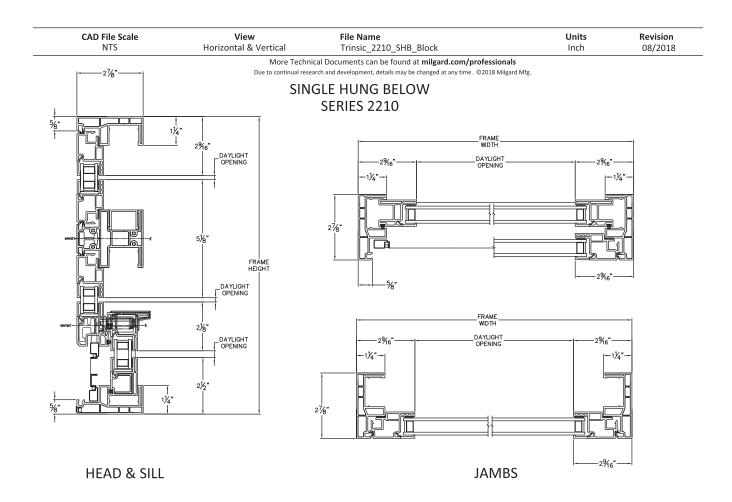


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





Single Hung Below - Block Frame

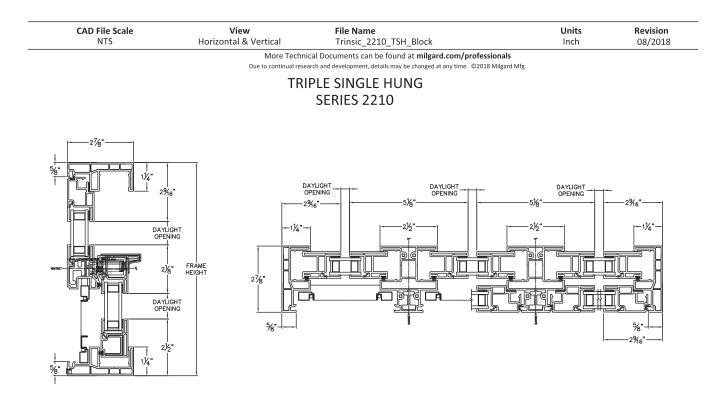


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





Triple Single Hung - Block Frame



**HEAD & SILL** 

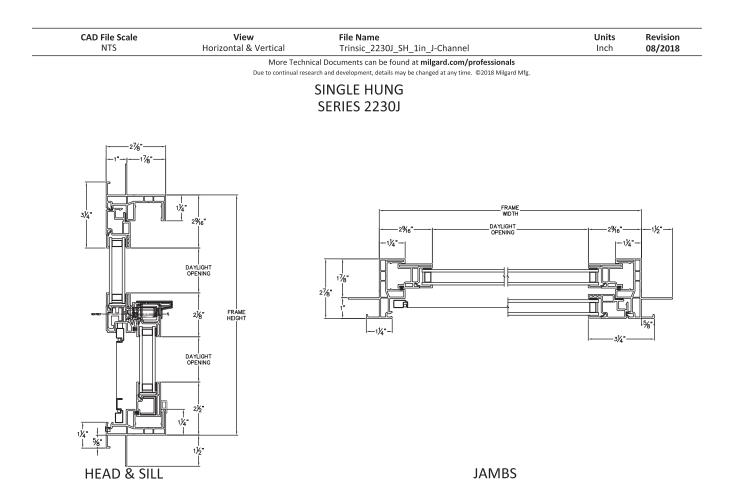
JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





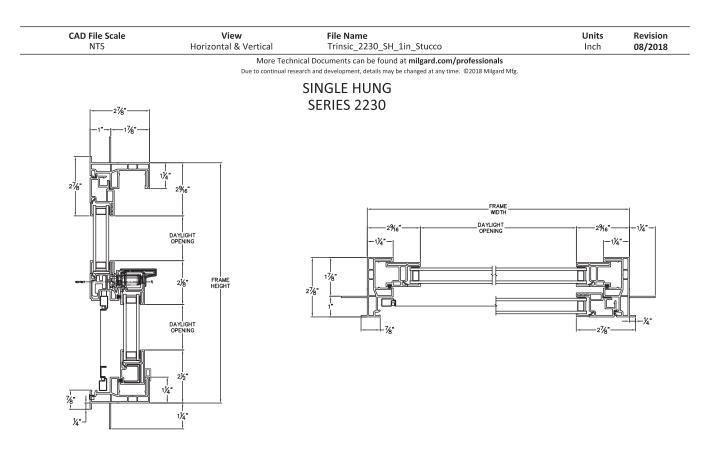
1" Fin Setback with J-channel



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



1" Fin Setback with Stucco Key



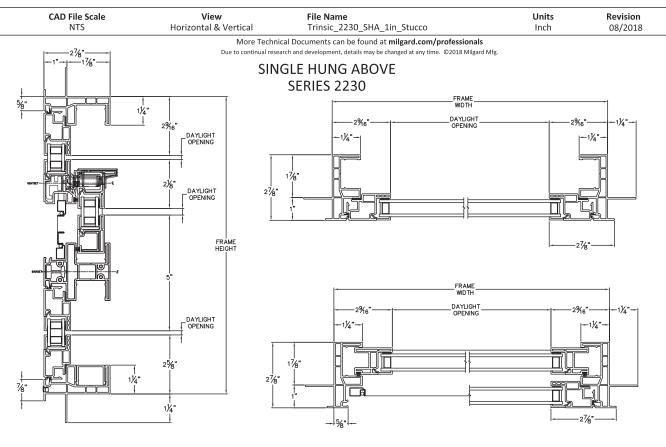
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Single Hung Above - 1" Fin Setback with Stucco Key



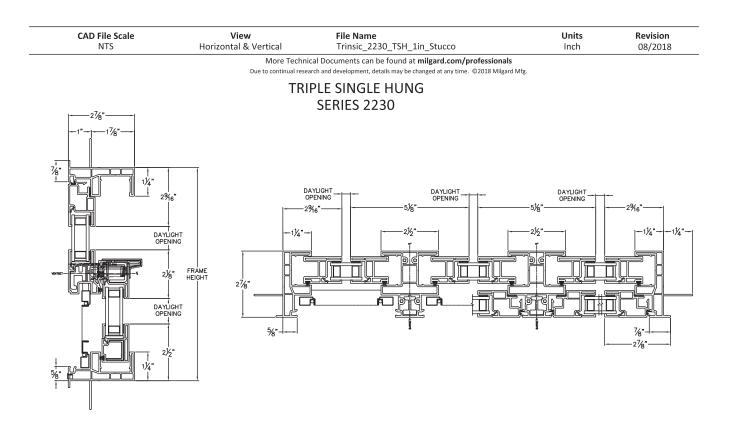
HEAD & SILL

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Triple Single Hung - 1" Fin Setback with Stucco Key



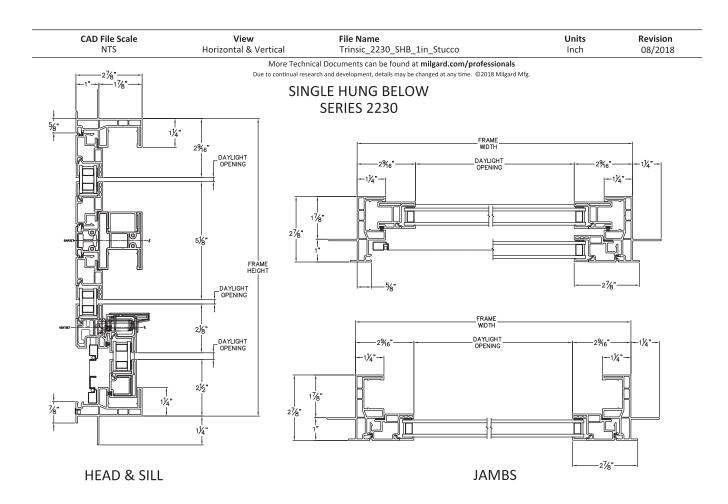
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



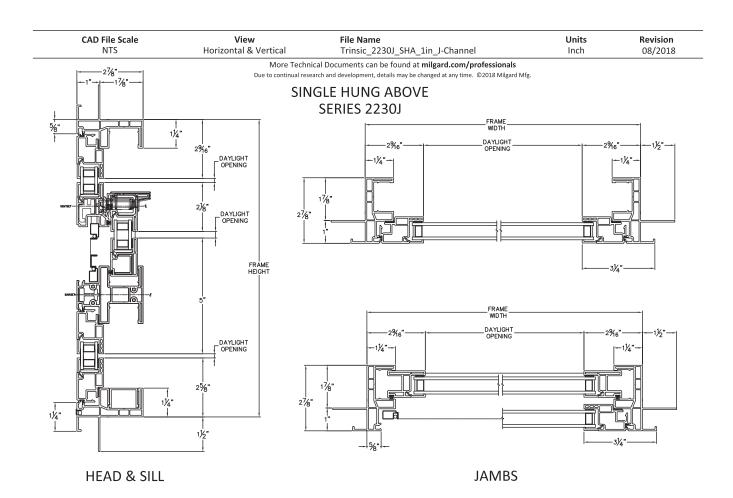
Single Hung Below - 1" Fin Setback with Stucco Key



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Single Hung Above - 1" Fin Setback with J-Channel

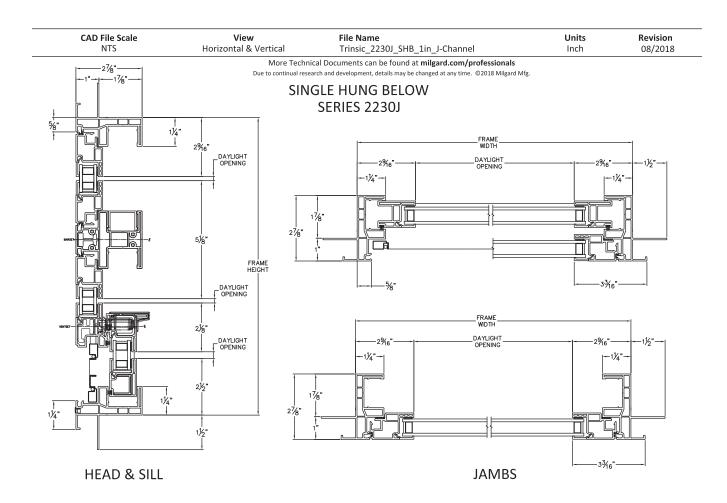


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





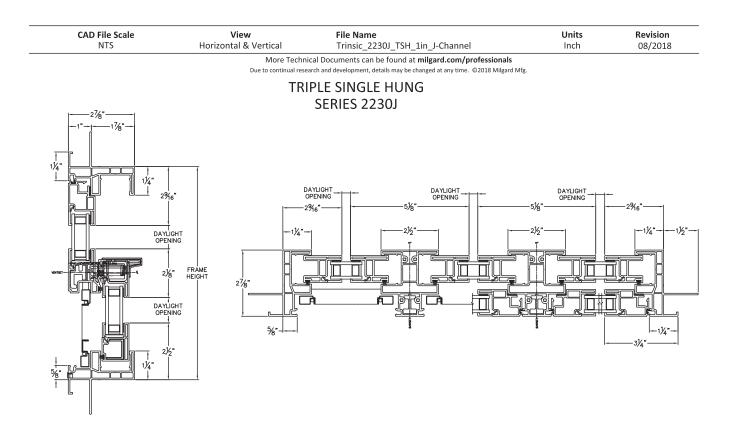
Single Hung Below - 1" Fin Setback with J-Channel



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Triple Single Hung - 1" Fin Setback with J-channel



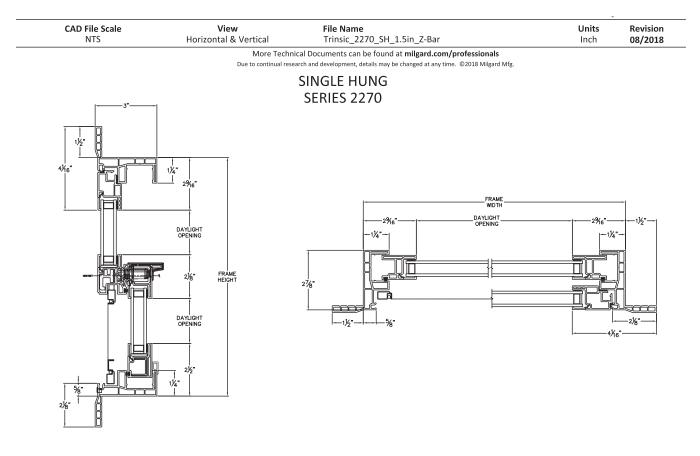
**HEAD & SILL** 

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1-1/2" Z-bar



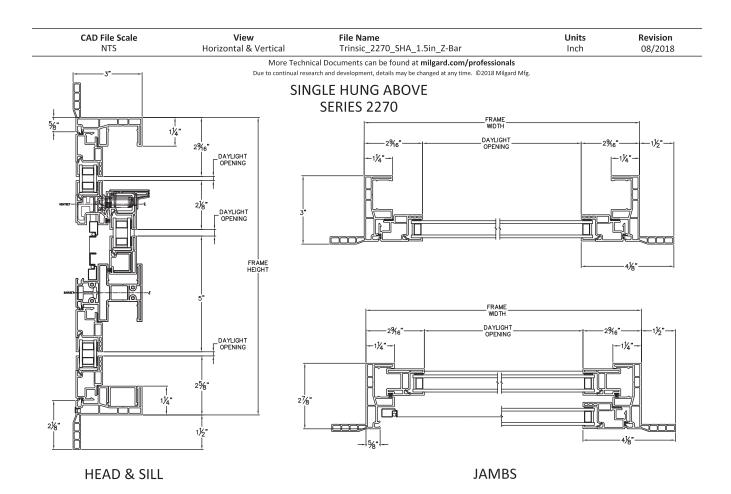
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



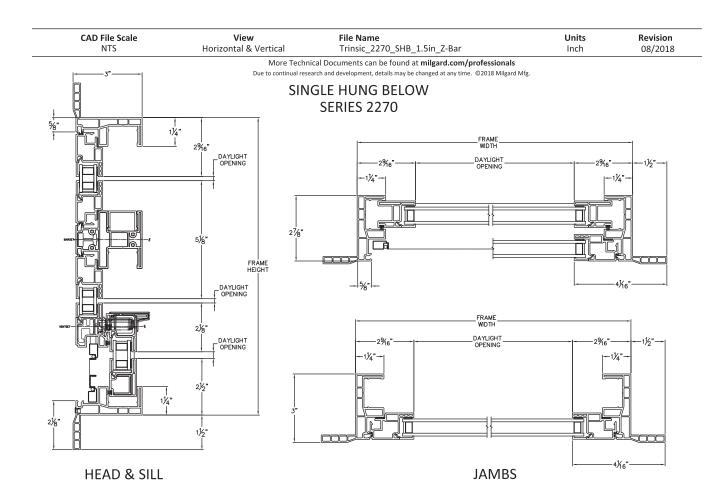
Single Hung Above - 1-1/2" Contour Z-bar



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



Single Hung Below - 1-1/2" Contour Z-bar

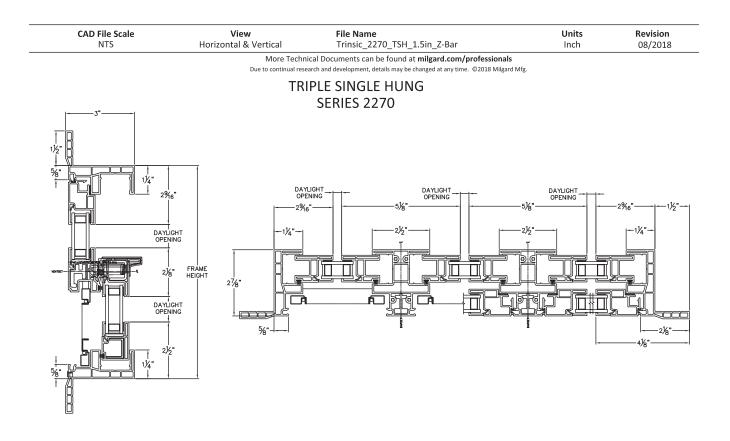


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





Triple Single Hung - 1-1/2" Contour Z-bar



**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





The Trinsic<sup>™</sup> Series vinyl (PVC) sliding glass door blends the energy efficiency and low maintenance of vinyl with clean lines and even sightlines.

The result is a more contemporary look with maximum glazing area. Available in White, Tan or premium painted upgrade homogenous window frames, the durable vinyl exterior will never need painting. The windows will maintain their color and shape and can be constructed to your exact size specifications.

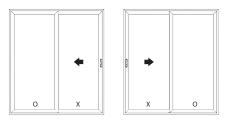


Please also see: Components Options Hardware Premium Exterior Vinyl Finishes Full Lifetime Warranty



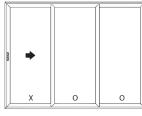
#### Sliding Patio Door Configurations

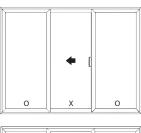
2 PANEL

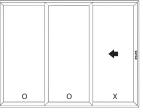


#### **3 PANEL**

Center operable panel can be handed left or right







**4 PANEL** 

NOTE: For engineering approval contact your Milgard representative for any configuration over 40 square feet. Each Milgard Manufacturing plant reserves the right to alter or change sizes and configurations according to location capabilities. Ask your Milgard rep about specialty applications. Windows over 40 square feet shipped open for field glazing. Varies by location.

Not all frame styles available at all Milgard locations. Contact your Milgard Representative for more information.

#### Minimum/Maximum Sizes

#### Sliding Door - 2 panel

- Min 5°6<sup>8</sup> Max 8°8°

#### Sliding Door - 3 panel

- Min 9°6<sup>8</sup> Max 12°8°
- Sliding Door 4 panel
  - Min 10°6<sup>8</sup> Max 16°8°

#### **Available Frame Styles**

- 1-3/8" Fin Setback
- 1" Fin Setback
- 1" Fin Setback with Stucco Key
- 1-1/2" Contour Z-bar
- Block Frame (no fin)



#### Drawings - Quick Links

#### **Sliding Patio Door**

- 133—XO 1-3/8" Fin Setback
- 134—XO with -3/8" Fin Setback with Stucco Key
- 135—XO Block Frame
- 136—XO 1" Fin Setback
- 137—XO 1" Fin Setback with Stucco Key
- 138—XO 2-1/4" Contour Z-bar
- 139—OXO 1-3/8" Fin Setback
- 140—OXO 1-3/8" Fin Setback with Stucco Key
- 141—OXO Block Frame
- 142—OXO 1" Fin Setback
- 143—OXO 1" Fin Setback with Stucco Key
- 144—OXO 2-1/4" Contour Z-Bar

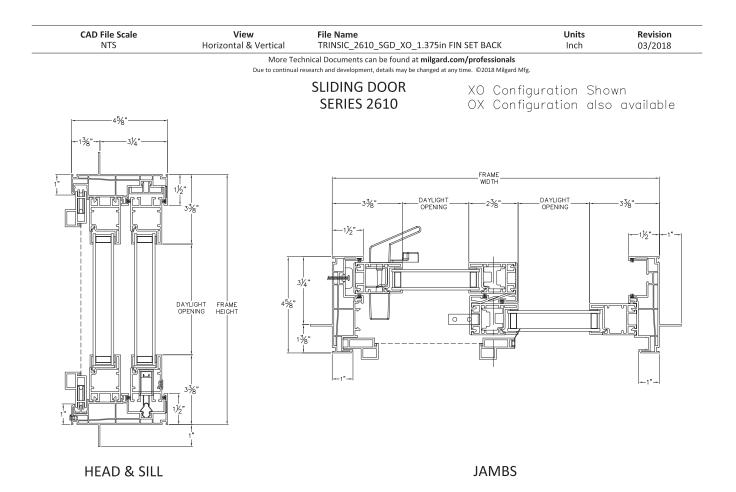
- 145—XOO 1-3/8" Fin Setback
- 146—XOO 1-3/8" Fin Setback with Stucco Key
- 147—XOO Block Frame
- 148—XOO 1" Fin Setback
- 149—XOO 1" Fin Setback with Stucco Key
- 150—XOO 2-1/4" Contour Z-Bar
- 151—OXXO 1-3/8" Fin Setback
- 152—OXXO 1-3/8" Fin Setback with Stucco Key
- 153—OXXO Block Frame
- 154—OXXO 1" Fin Setback
- 155—OXXO 1" Fin Setback with Stucco Key
- 156—OXXO 2-1/4" Contour Z-Bar

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





XO 1-3/8" Fin Setback

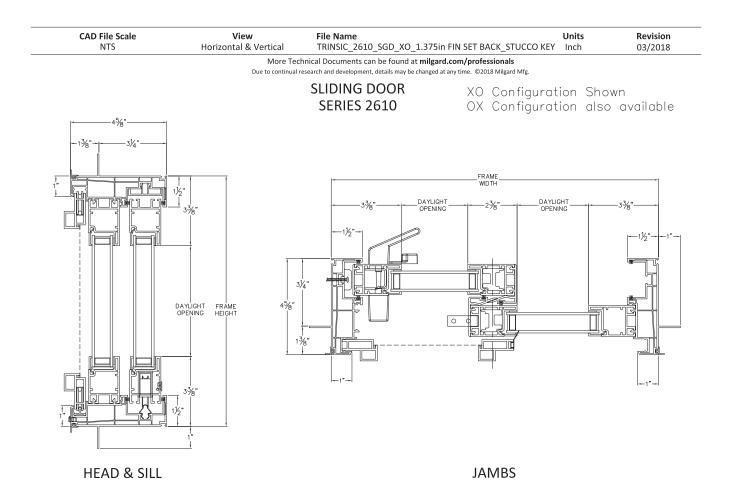


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





XO with -3/8" Fin Setback with Stucco Key

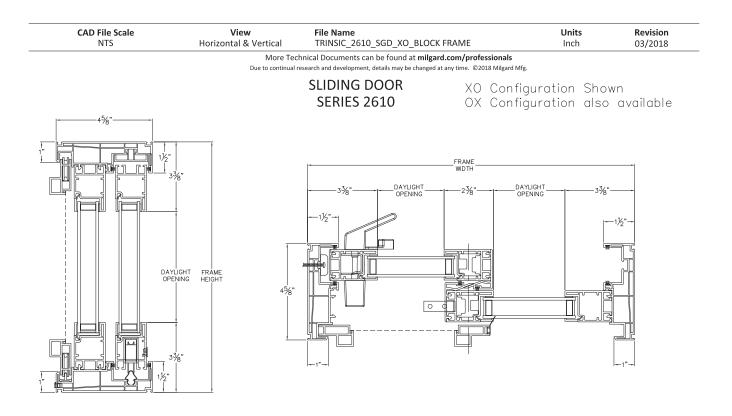


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





**XO Block Frame** 



**HEAD & SILL** 

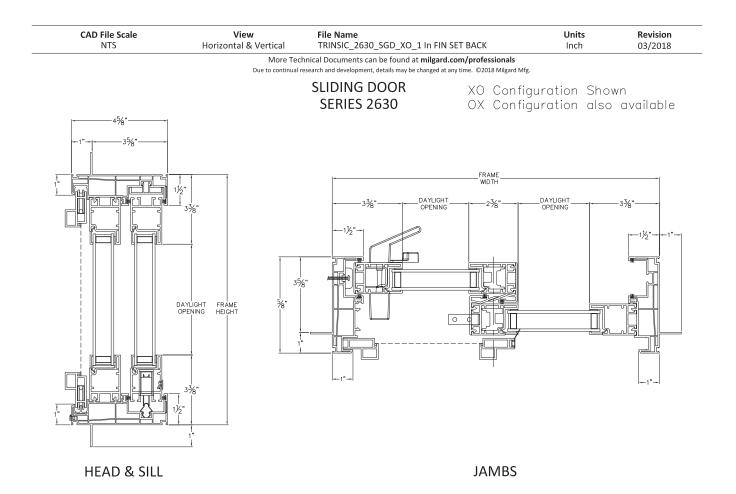
JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





XO 1" Fin Setback

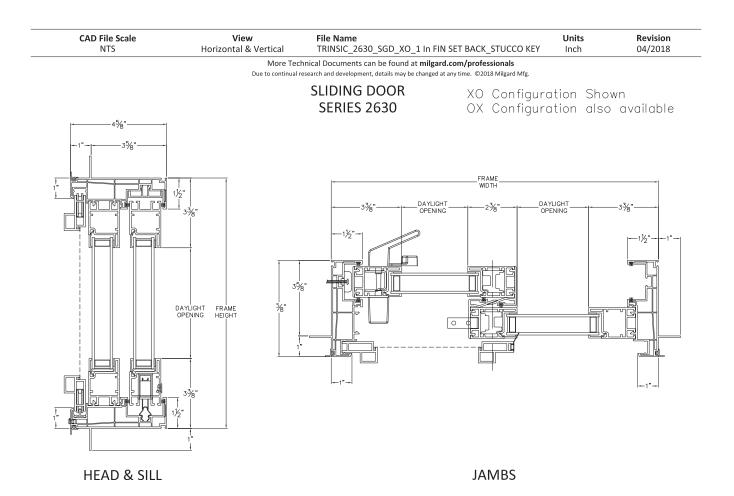


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





XO 1" Fin Setback with Stucco Key

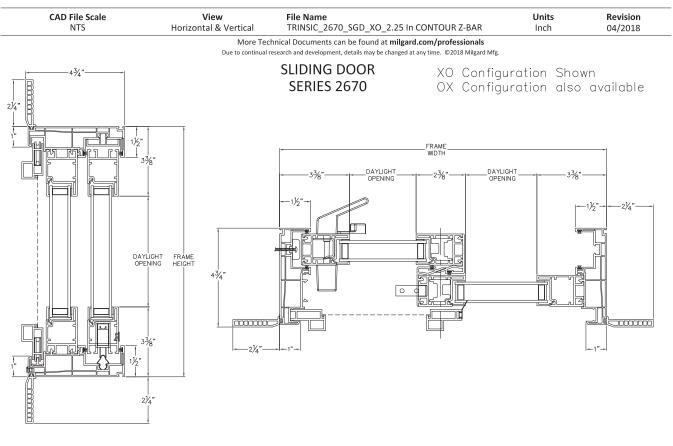


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





XO 2-1/4" Contour Z-bar



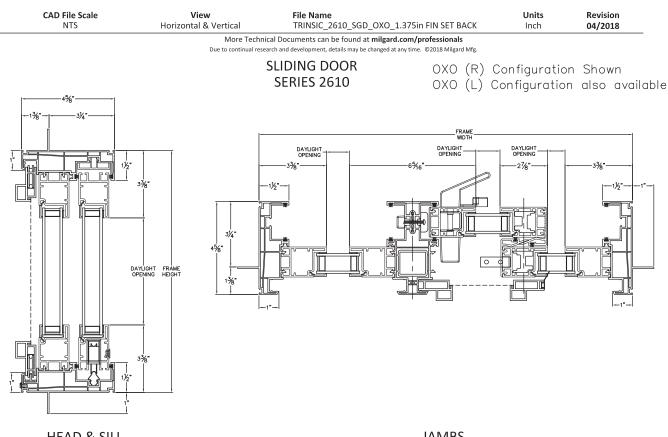
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



OXO 1-3/8" Fin Setback



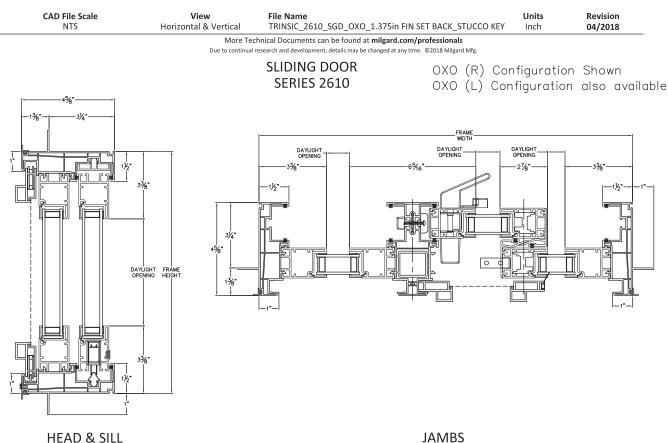
HEAD & SILL

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



OXO 1-3/8" Fin Setback with Stucco Key



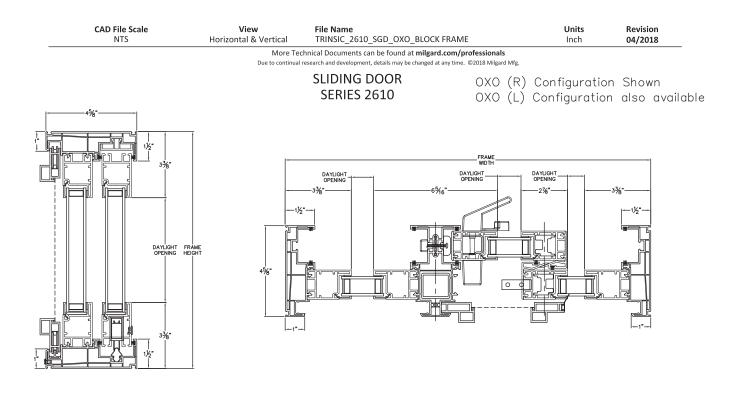
**JAMBS** 

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





**OXO Block Frame** 



**HEAD & SILL** 

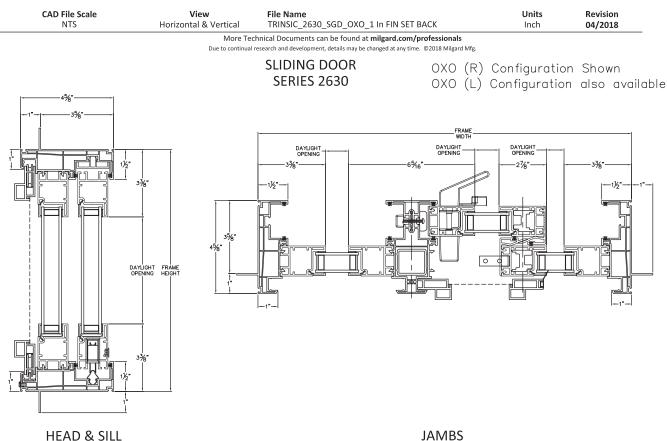
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Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





OXO 1" Fin Setback

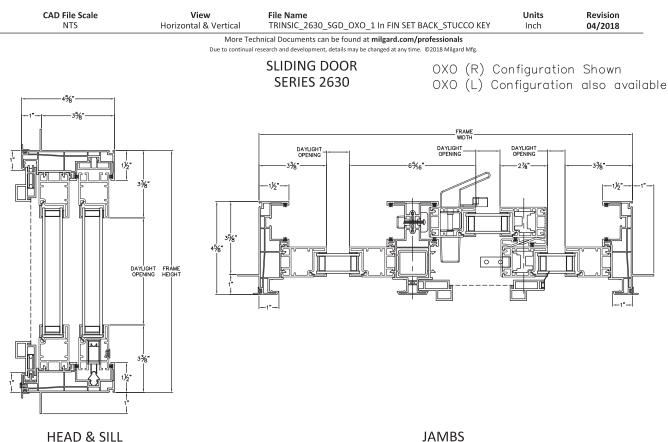


**JAMBS** 

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



OXO 1" Fin Setback with Stucco Key

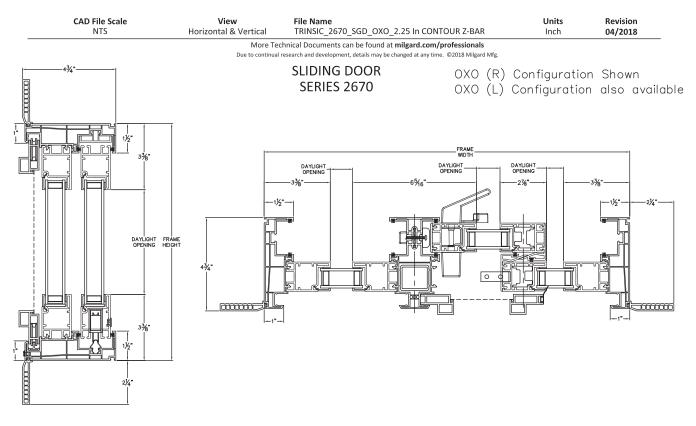


**JAMBS** 

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



OXO 2-1/4" Contour Z-Bar



**HEAD & SILL** 

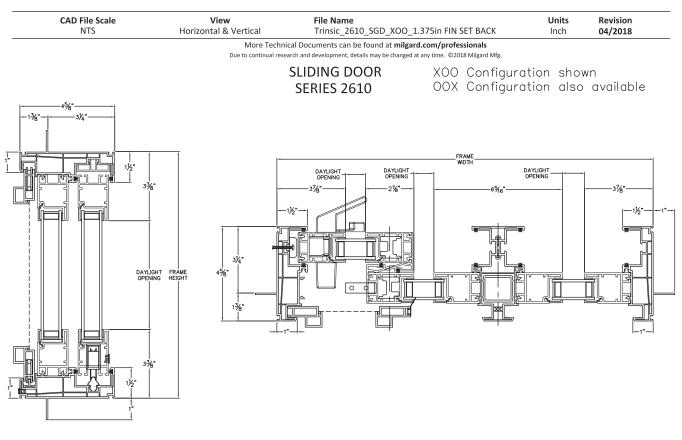
JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





XOO 1-3/8" Fin Setback



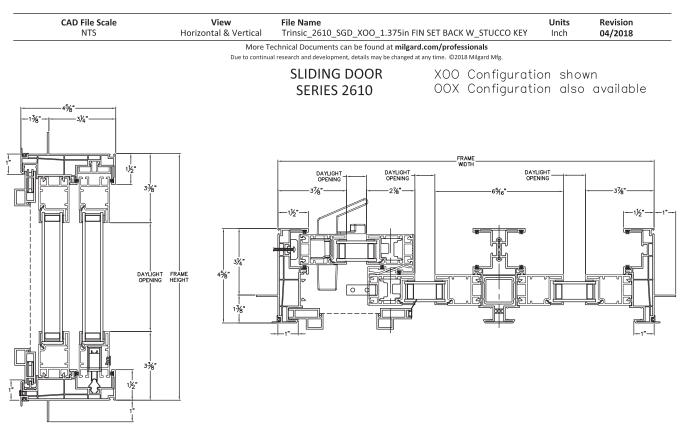
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



XOO 1-3/8" Fin Setback with Stucco Key



**HEAD & SILL** 

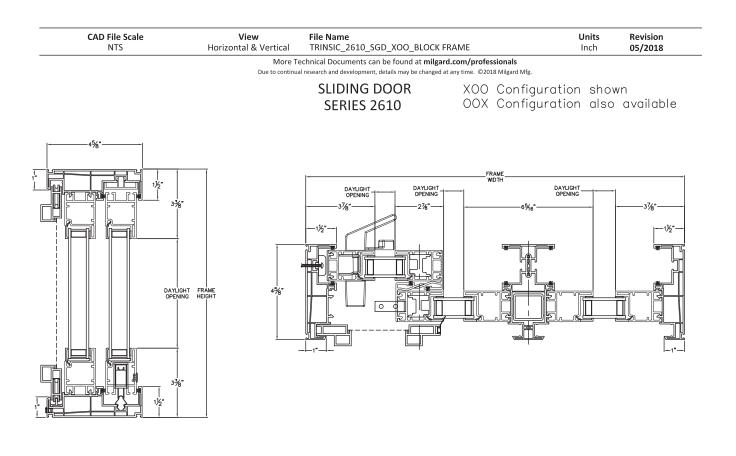
JAMBS

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**XOO Block Frame** 

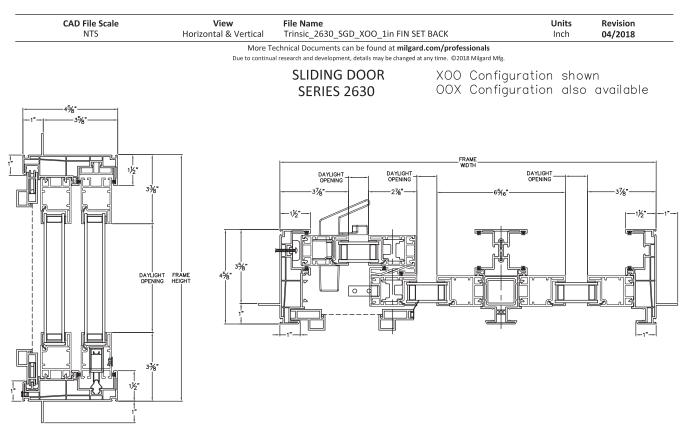


Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources





XOO 1" Fin Setback



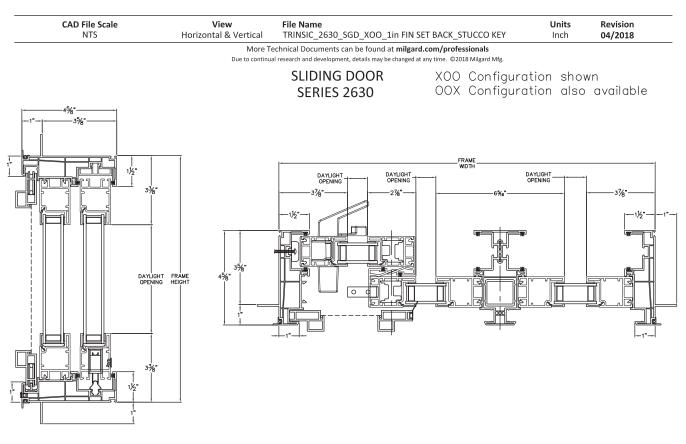
**HEAD & SILL** 

JAMBS

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XOO 1" Fin Setback with Stucco Key



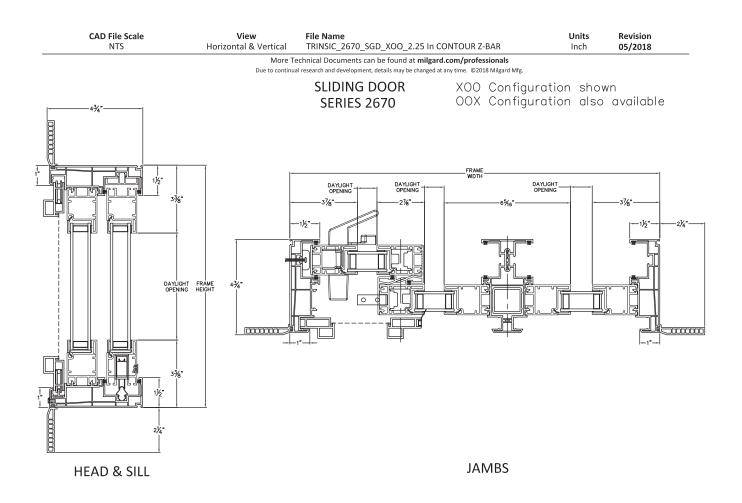
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



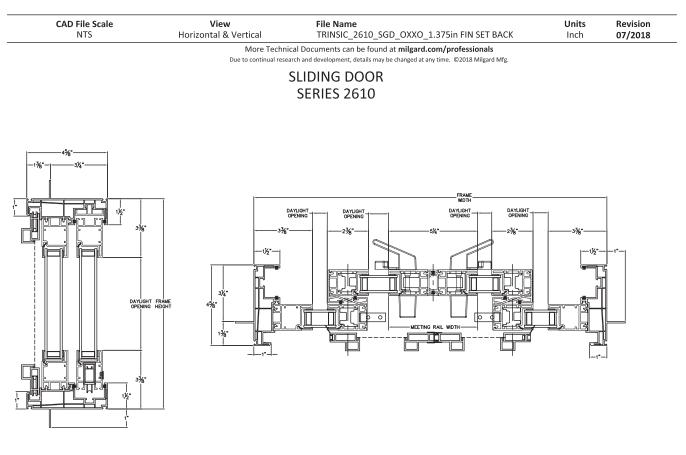
XOO 2-1/4" Contour Z-Bar



Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



OXXO 1-3/8" Fin Setback



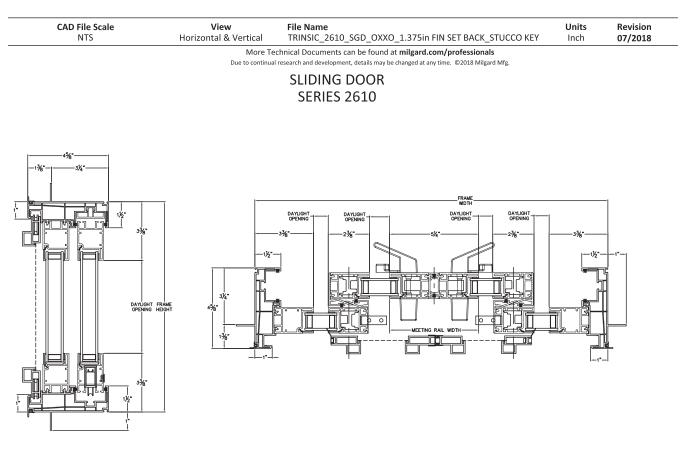
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



OXXO 1-3/8" Fin Setback with Stucco Key



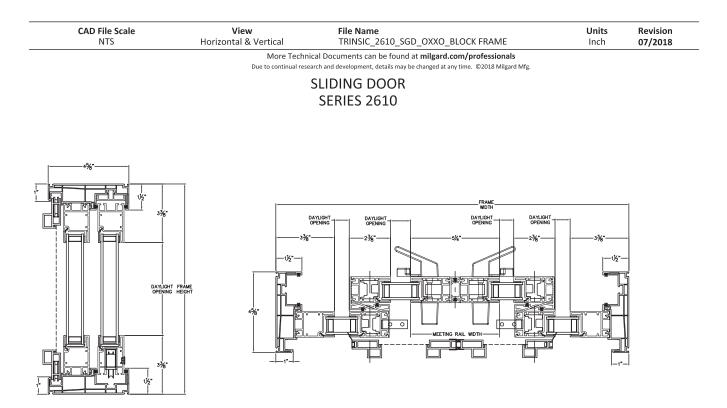
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



**OXXO Block Frame** 



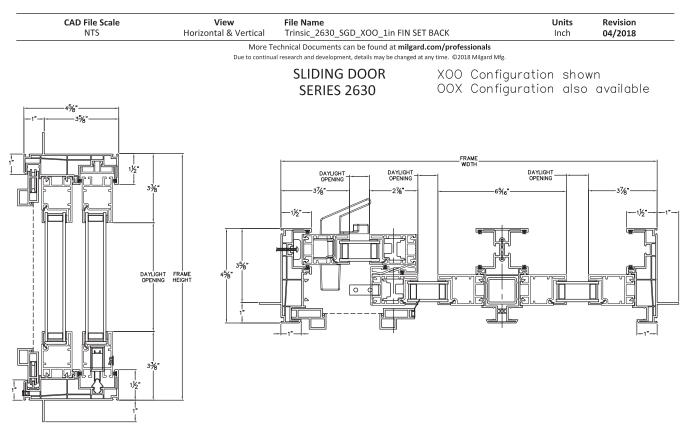
**HEAD & SILL** 

JAMBS

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OXXO 1" Fin Setback



**HEAD & SILL** 

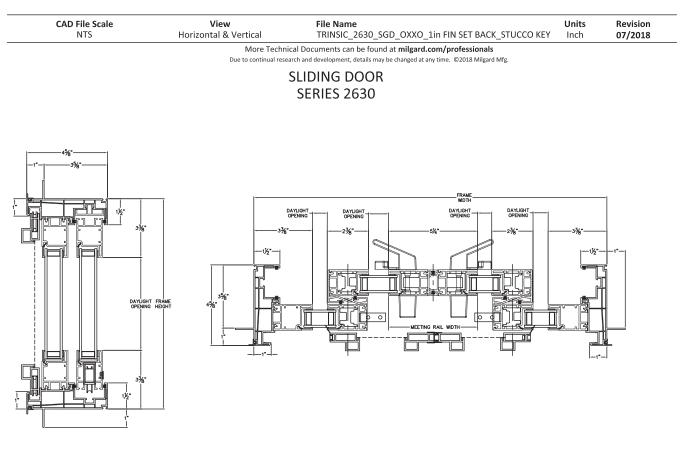
JAMBS

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OXXO 1" Fin Setback with Stucco Key



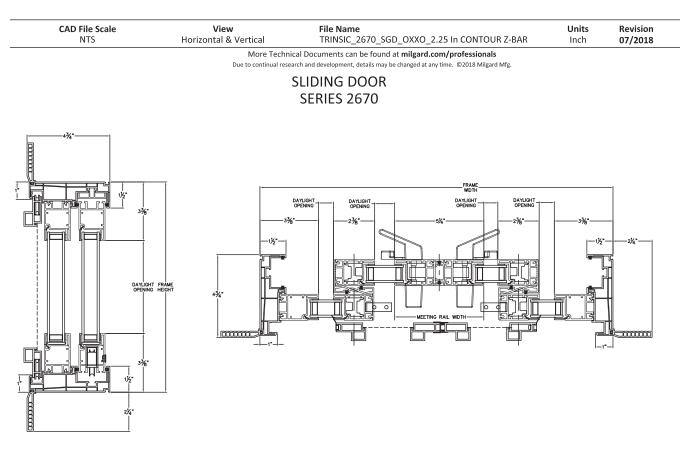
**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources



OXXO 2-1/4" Contour Z-Bar



**HEAD & SILL** 

JAMBS

Revit, SketchUp, .PDF and .DWG files can be accessed at milgard.com/professionals/technical-resources