# TRINSIC 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.

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Series Information — 4



#### 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® 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® v6 requirements to meet or exceed U-Factor and Solar Heat Gain Coefficient (SHGC) criteria for all ENERGY STAR® 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® or SunCoatMAX®
- EdgeGardMAX<sup>®</sup>
- · Argon or Krypton
- 4th Surface

For more details on Milgard Energy Efficient packages, visit <a href="https://www.milgard.com/learn/energy-efficiency/energy-efficient-components">www.milgard.com/learn/energy-efficiency/energy-efficient-components</a>

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

#### 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.

<sup>\*</sup>Premium vinyl exterior colors include coordinating color grids.



#### **Window and Door Hardware**



#### Single Hung and Horizontal Slider

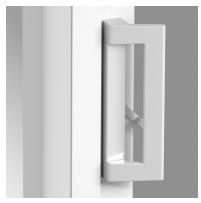
SmartTouch® Lock – Closes and locks window securely in one action.



#### **Casement and Awning**

Folding Nesting Handle with Sash Lock

#### **Door Handles**







Premium (upgrade)



Exterior

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Series Information — 6



### **Premium Exterior Vinyl Finishes**

#### **Standard** - Matching interior



#### **Premium** - White interior only



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Series Information — 7



#### **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.





#### 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 Full Lifetime Warranty. 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.

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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

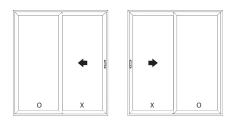
**Premium Exterior Vinyl Finishes** 

**Full Lifetime Warranty** 



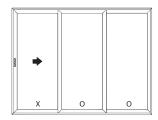
### Configurations

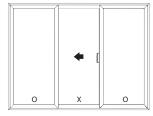
#### **2 PANEL**

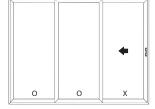


#### **3 PANEL**

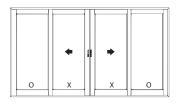
Center operable panel can be handed left or right







#### **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°68 Max 8°8°

#### Sliding Door - 3 panel

- Min 9°68 Max 12°8°

\_

#### **Sliding Door - 4 panel**

- Min 10°68 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



XO 1-3/8" Fin Setback

CAD File Scale	View	File Name	Units	Revision
NTS	Horizontal & Vertical	TRINSIC_2610_SGD_XO_1.375in FIN SET BACK	Inch	03/2018

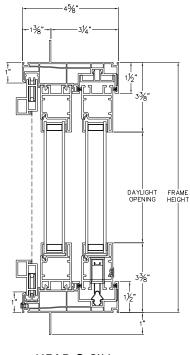
More Technical Documents can be found at milgard.com/professionals

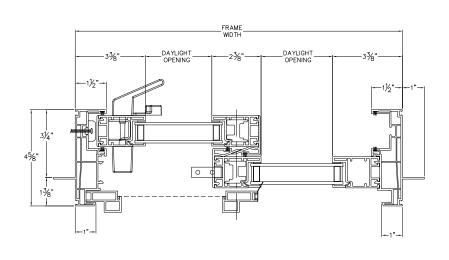
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SLIDING DOOR SERIES 2610

XO Configuration Shown

OX Configuration also available





**HEAD & SILL** 

**JAMBS** 



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

CAD File Scale	View	File Name	Units	Revision
NTS	Horizontal & Vertical	TRINSIC_2610_SGD_XO_1.375in FIN SET BACK_STUCCO KEY	Inch	03/2018

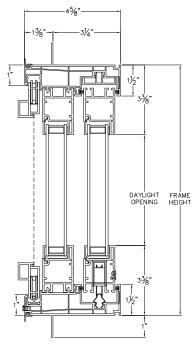
More Technical Documents can be found at milgard.com/professionals

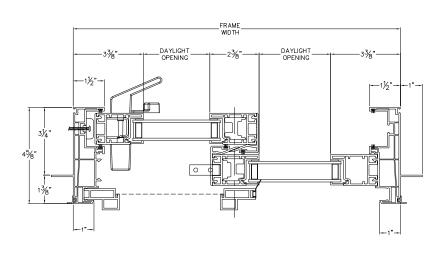
Due to continual research and development, details may be changed at any time. ©2018 Milgard Mfg.

SLIDING DOOR SERIES 2610

XO Configuration Shown

OX Configuration also available





**HEAD & SILL** 

**JAMBS** 



**XO Block Frame** 

CAD File Scale	View	File Name	Units	Revision
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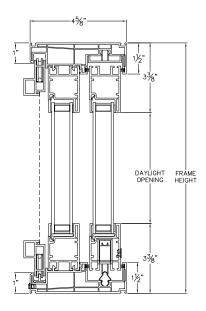
More Technical Documents can be found at milgard.com/professionals

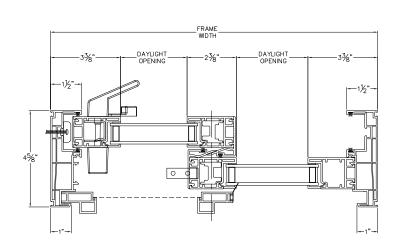
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SLIDING DOOR SERIES 2610

XO Configuration Shown

OX Configuration also available





HEAD & SILL JAMBS



XO 1" Fin Setback

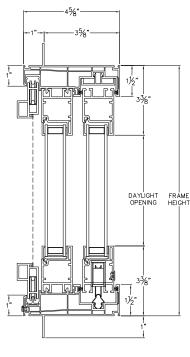
CAD File Scale NTS	<b>View</b> Horizontal & Vertical	File Name TRINSIC 2630 SGD XO 1 In FIN SET BACK	<b>Units</b> Inch	Revision
1413	Horizontal & Vertical	TRINSIC_2000_30D_XO_T III T IN 3ET BACK	IIICII	03/2018

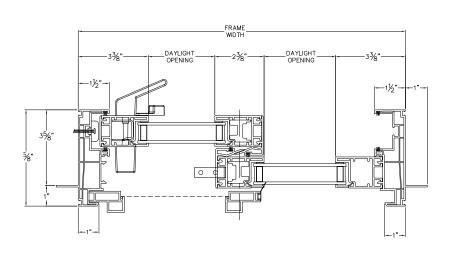
More Technical Documents can be found at milgard.com/professionals

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SLIDING DOOR SERIES 2630 XO Configuration Shown

OX Configuration also available





HEAD & SILL JAMBS



XO 1" Fin Setback with Stucco Key

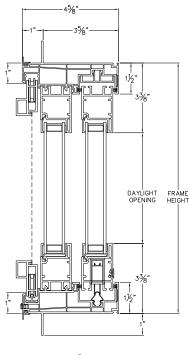
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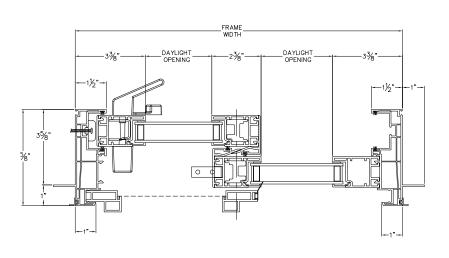
More Technical Documents can be found at milgard.com/professionals Due to continual research and development, details may be changed at any time. ©2018 Milgard Mfg.

**SLIDING DOOR SERIES 2630** 

XO Configuration Shown

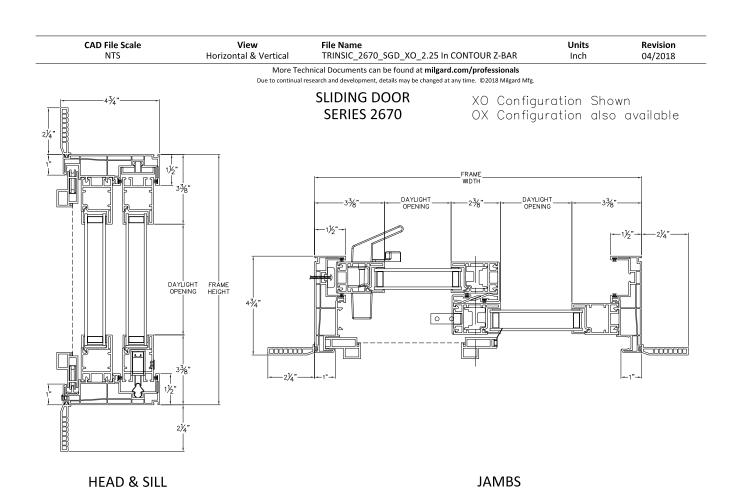
OX Configuration also available







XO 2-1/4" Contour Z-bar





OXO 1-3/8" Fin Setback

CAD File Scale	View	File Name	Units	Revision
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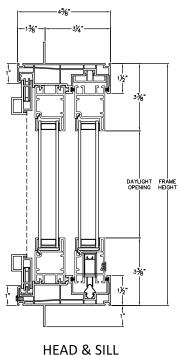
More Technical Documents can be found at milgard.com/professionals

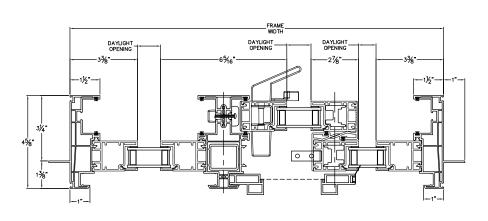
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STIDING DOOP

SLIDING DOOR SERIES 2610 OXO (R) Configuration Shown

OXO (L) Configuration also available







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

**CAD File Scale** View File Name Units Revision TRINSIC\_2610\_SGD\_OXO\_1.375in FIN SET BACK\_STUCCO KEY Horizontal & Vertical Inch 04/2018 NTS

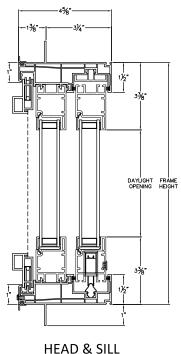
More Technical Documents can be found at milgard.com/professionals

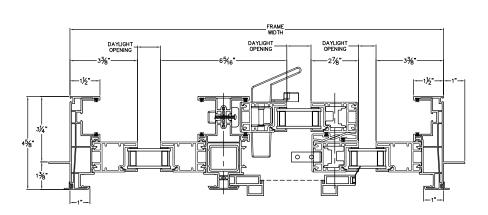
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SLIDING DOOR **SERIES 2610** 

OXO (R) Configuration Shown

OXO (L) Configuration also available





**JAMBS** 



**OXO Block Frame** 

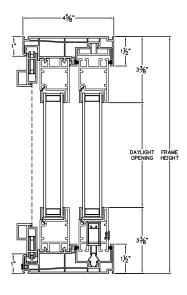
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NTS	Horizontal & Vertical	TRINSIC_2610_SGD_OXO_BLOCK FRAME	Inch	04/2018

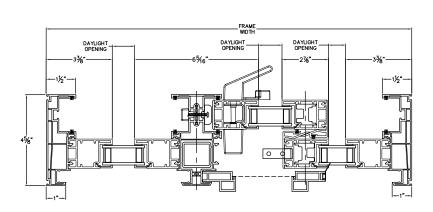
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SLIDING DOOR SERIES 2610

OXO (R) Configuration Shown

OXO (L) Configuration also available







OXO 1" Fin Setback

CAD File Scale	View	File Name	Units	Revision
NTS	Horizontal & Vertical	TRINSIC_2630_SGD_OXO_1 In FIN SET BACK	Inch	04/2018

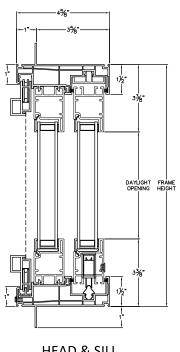
More Technical Documents can be found at milgard.com/professionals

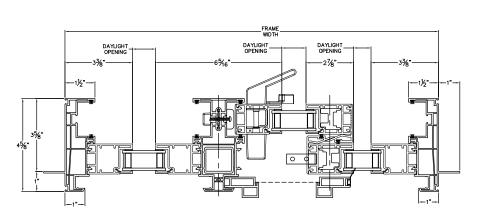
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SLIDING DOOR SERIES 2630

OXO (R) Configuration Shown

OXO (L) Configuration also available







OXO 1" Fin Setback with Stucco Key

**CAD File Scale** View File Name Units Revision Inch TRINSIC\_2630\_SGD\_OXO\_1 In FIN SET BACK\_STUCCO KEY Horizontal & Vertical 04/2018 NTS

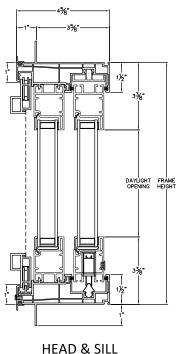
More Technical Documents can be found at milgard.com/professionals

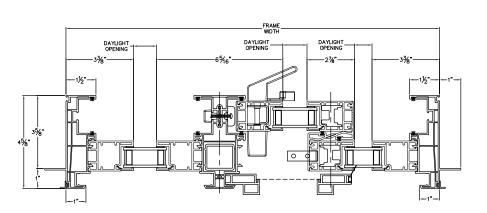
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SLIDING DOOR **SERIES 2630** 

OXO (R) Configuration Shown

OXO (L) Configuration also available

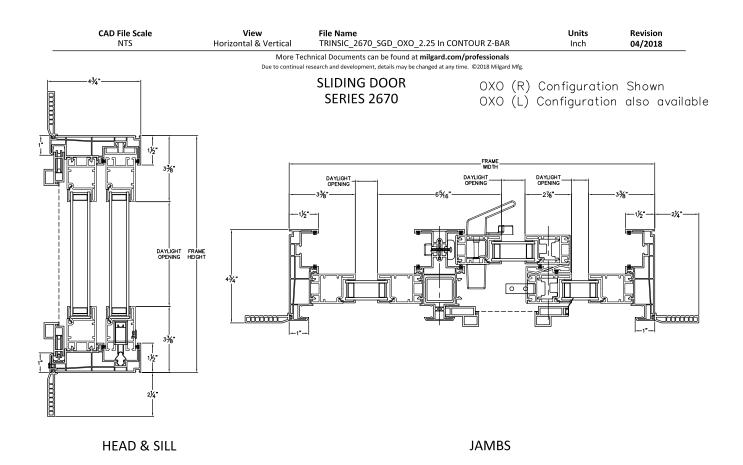




**JAMBS** 



OXO 2-1/4" Contour Z-Bar





XOO 1-3/8" Fin Setback

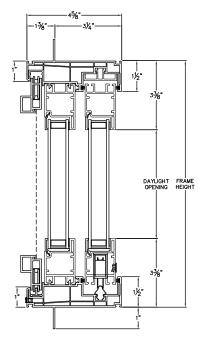
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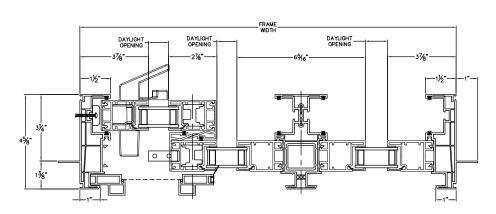
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SLIDING DOOR SERIES 2610 XOO Configuration shown

OOX Configuration also available







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

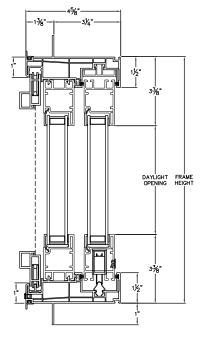
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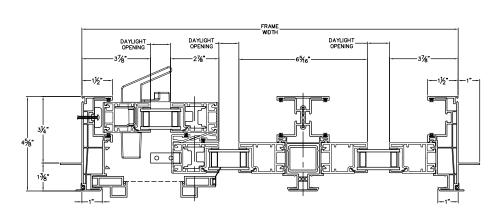
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SLIDING DOOR SERIES 2610 XOO Configuration shown

OOX Configuration also available







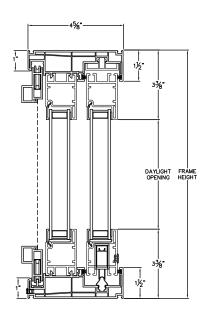
**XOO Block Frame** 

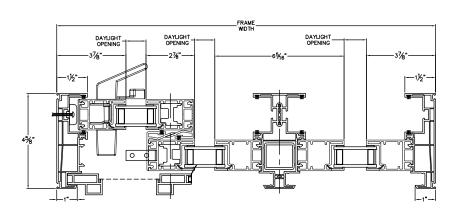
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SLIDING DOOR SERIES 2610 XOO Configuration shown OOX Configuration also available





TAMPC



XOO 1" Fin Setback

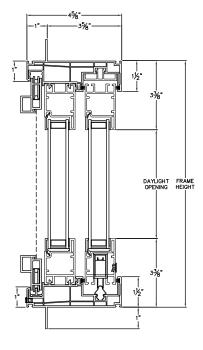
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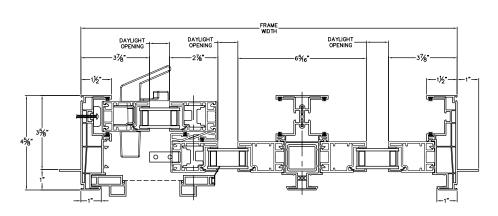
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SLIDING DOOR SERIES 2630 XOO Configuration shown

OOX Configuration also available







XOO 1" Fin Setback with Stucco Key

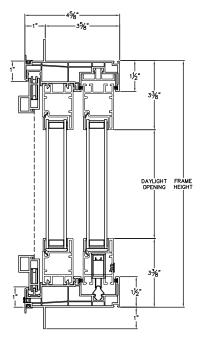
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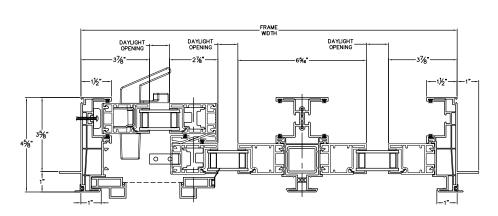
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SLIDING DOOR SERIES 2630 XOO Configuration shown

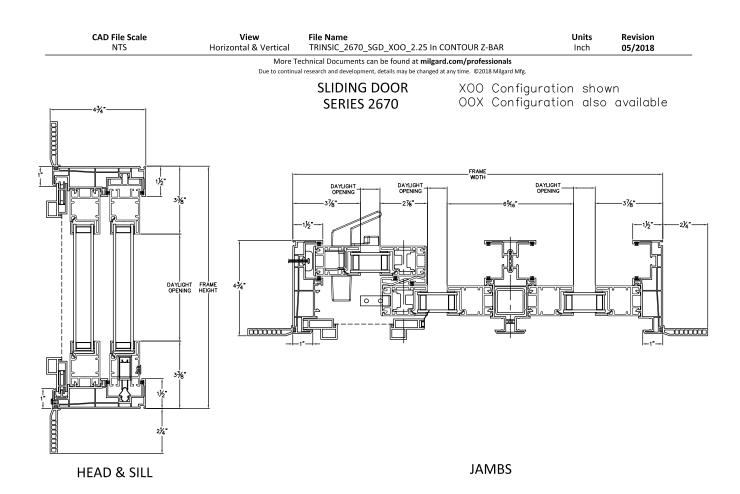
OOX Configuration also available







XOO 2-1/4" Contour Z-Bar





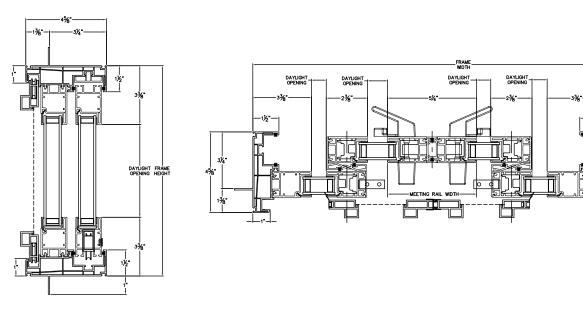
OXXO 1-3/8" Fin Setback

CAD File Scale	View	File Name	Units	Revision
NTS	Horizontal & Vertical	TRINSIC_2610_SGD_OXXO_1.375in FIN SET BACK	Inch	07/2018

More Technical Documents can be found at milgard.com/professionals

Due to continual research and development, details may be changed at any time. ©2018 Milgard Mfg.

#### SLIDING DOOR SERIES 2610



HEAD & SILL JAMBS



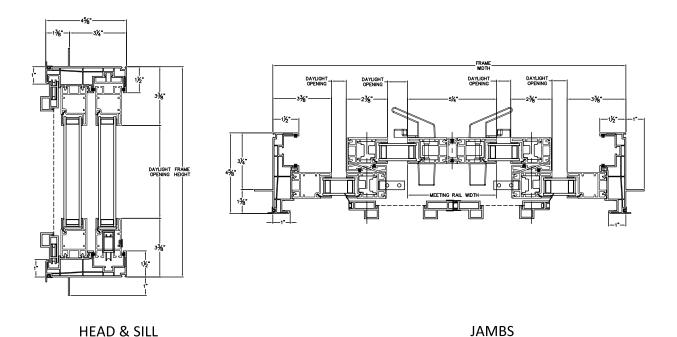
OXXO 1-3/8" Fin Setback with Stucco Key

CAD File Scale	View	File Name	Units	Revision
NTS	Horizontal & Vertical	TRINSIC_2610_SGD_OXXO_1.375in FIN SET BACK_STUCCO KEY	Inch	07/2018

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#### **SLIDING DOOR SERIES 2610**





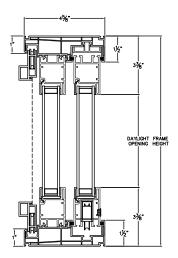
**OXXO Block Frame** 

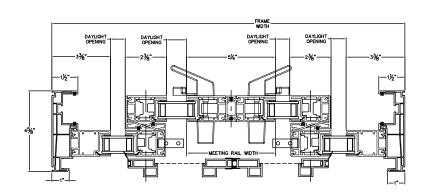
CAD File Scale	View	File Name	Units	Revision
NTS	Horizontal & Vertical	TRINSIC_2610_SGD_OXXO_BLOCK FRAME	Inch	07/2018

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#### SLIDING DOOR SERIES 2610





HEAD & SILL JAMBS



OXXO 1" Fin Setback

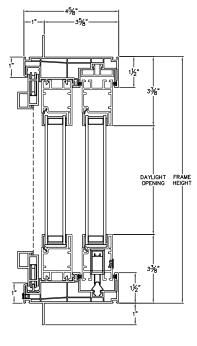
CAD File Scale	View	File Name	Units	Revision
NTS	Horizontal & Vertical	Trinsic_2630_SGD_XOO_1in FIN SET BACK	Inch	04/2018

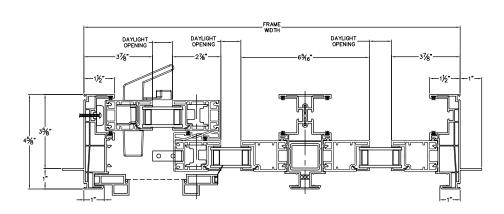
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SLIDING DOOR SERIES 2630 XOO Configuration shown

OOX Configuration also available







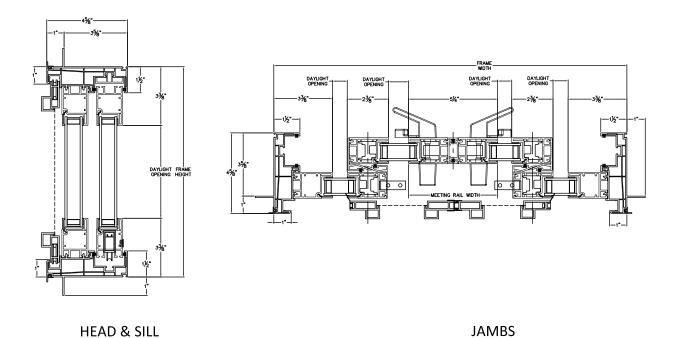
OXXO 1" Fin Setback with Stucco Key

CAD File Scale	View	File Name	Units	Revision
NTS	Horizontal & Vertical	TRINSIC_2630_SGD_OXXO_1in FIN SET BACK_STUCCO KEY	Inch	07/2018

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#### **SLIDING DOOR SERIES 2630**





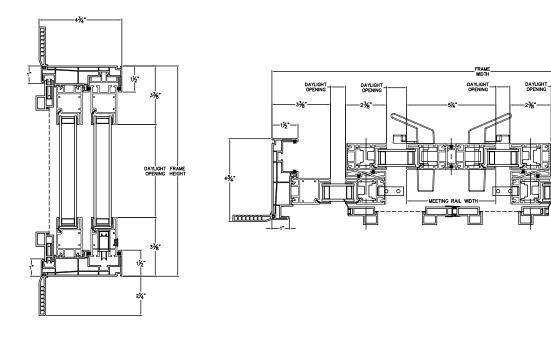
OXXO 2-1/4" Contour Z-Bar

CAD File Scale	View	File Name	Units	Revision
NTS	Horizontal & Vertical	TRINSIC_2670_SGD_OXXO_2.25 In CONTOUR Z-BAR	Inch	07/2018

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#### **SLIDING DOOR SERIES 2670**



**HEAD & SILL JAMBS**