

3325 Series 3-1/4" Thermal Casement & Projected Windows

Product Information



WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

PERFORMANCE

The Series 3325 window is a thermally broken mainframe and sash that exceeds the performance specification criteria as required by ANSI/AAMA for AW (Architectural Grade) windows.

Project Out - Awning			Casement		
AAMA Rating	AW-80		AAMA Rating	AW-80	
Air Infiltration	0.02 CFM/ft ²		Air Infiltration	0.02 CFM/ft ²	
Water	Over 12 psf		Water	Over 12 psf	
Structural	120 psf		Structural	120 psf	
CRF (AAMA 1503)	63		CRF (AAMA 1503)	63	
Center of Glass U-Value	Window U-Factor ³		Center of Glass U-Value	Window U-Factor ³	
BTU/Ft ² x F° x Hr	59" x 24" ²	60" x 36" ¹	BTU/Ft ² x F° x Hr	24" x 59" ²	36" x 60" ¹
0.20	0.42	0.36	0.20	0.42	0.36
0.24	0.45	0.40	0.24	0.45	0.40
0.29	0.49	0.44	0.29	0.49	0.44
0.34	0.52	0.48	0.34	0.52	0.48
0.47	0.63	0.59	0.47	0.63	0.59

This Information is based on current product design, sealed dual glazing, warm edge spacers and testing standards.

Please contact WINCO for project specific information

¹ AAMA 101 Test Size

² NFRC Gateway Test Size

³ Based on NFRC 100

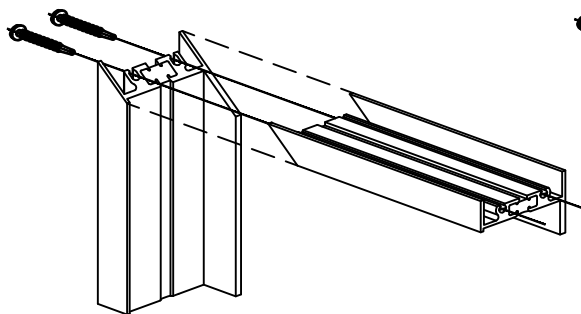
CONSTRUCTION

MATERIAL - The Series 3325 window is a 2" deep frame depth with a 1-1/4" proud vent for zero sight line glazing of 1" insulated glass. The nominal wall thickness is 0.125 inch. All material is extruded from 6063-T6 alloy.

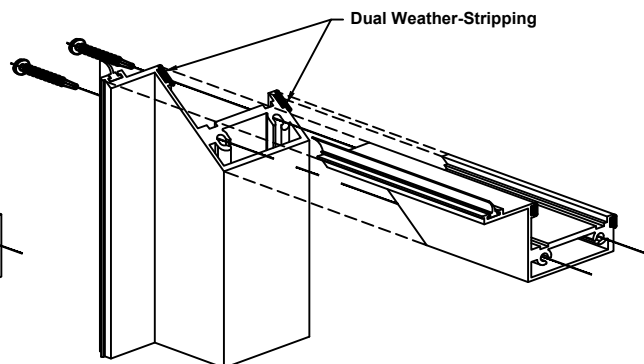
THERMAL BREAK - All framing members of the window system are thermally broken. Winco uses the Azon Azo Brader® process to mechanically condition the surface of the thermal cavity. The process runs the entire length of the extrusion and creates serrations that insure proper adhesion of the structural polymer. The structural urethane is a high density 2 part formula providing optimum thermal performance for the most demanding conditions. The combination of the conditioning of the aluminum surface along with the two part urethane allows Winco to provide a full 10 year warranty against thermal break creep and shrinkage in accordance with AAMA 505-98.

WEATHER-STRIP - All operating ventilators have a double Santoprene®, non-shrinking dual durometer, thermoplastic rubber weather-stripping around the perimeter. One interior and one exterior.

FABRICATION - The main frame corners are coped and mechanically joined using two stainless steel spline screws per corner (fig 1). The vent is a hollow tube shaped extrusion for superior strength and rigidity. Vent corners are fully mitered and mechanically joined using two stainless steel spline screws per corner, aligning the members to form a hairline joint (fig 2). All frame joints are back sealed with small joint seam sealer providing a water tight joinery.



(fig 1) Main Frame Construction



(fig 2) Vent Construction

WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN
THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

© WINCO WINDOW COMPANY, INC. 2021

3325 Series 3-1/4" Thermal Casement & Projected Windows

Product Information



GLAZING

The windows is to be exterior glazed without extruded aluminum glazing beads. The nominal I.G. thickness is 1". For actual details refer to the glazing section in the back of the 3325 section for optional glazing details.

Glazing Thickness	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	9/16"	5/8"	3/4"	7/8"	1"	1-1/4"	1-3/8"	1-1/2"
Monolithic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Insulated	-	-	-	-	-	-	-	-	-	X	X	-	-	-
Dual Glazed	Exterior	-	-	-	-	-	-	-	-	-	-	-	-	-
	Interior	-	-	-	-	-	-	-	-	-	-	-	-	-
Triple Glazed	Exterior	-	-	-	-	-	-	-	-	-	-	-	-	-
	Interior	-	-	-	-	-	-	-	-	-	-	-	-	-

Winco has different gaskets and glazing methods that can accommodate odd thicknesses of glass. If you do not see what you are looking for within this chart please contact your local representative for information regarding your specific project needs.

HARDWARE

All exposed locking hardware, strikes and keepers are solid white bronze alloy with US25D brushed finish. All four bar arms and key release limit arms are stainless steel conforming to AAMA 904.1.

	Butt Hinge	4-Bar Arms	Casement Arms	Friction Adjustable	Roto Operator	Cam Lock	Pole Ring Cam Lock	Access Control Lock	Lift Lock	Pole Ring Lift Lock	Pull Handle	Key Release Limit Arm	Fixed Limit Stop	Under Screen Push Bar
Window Type														
PO - Awning	-	X	-	-	O ²	X	O ³	O	O ²	O ²	X	O	O	O ⁵
PI - Hopper	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casement - Outswing w/ Butt Hinges	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casement - Inswing w/ Butt Hinges	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casement - Outswing w/ concealed Hinges	-	X	- ⁴	-	-	O	O ³	O	X	O	X	O	O	O ^{2,5}
Casement - Inswing w/ concealed Hinges	-	-	-	-	-	-	-	-	-	-	-	-	-	-

X = Standard Hardware

O = Optional Hardware

Note:

¹ Not all hardware is compatible with each other, contact your local Winco representative for information

² Size limitations exist on some hardware, contact your local Winco representative for information

³ A pole ring pull will be provided on a project out vent is optional pole ring cam locks are required and no screen is furnished

⁴ Hinge Geometry of concealed 4-Bar casement windows is unsuitable for this product.

⁵ Under screen push bars are not recommended by Winco if optimum water performance is a requirement

SCREENS

FRAME - frames are fabricated from 6063-T6 extruded aluminum alloy and temper. All screen frames are miter cut and corner keyed. The corners are mechanically crimped together for durability. The screen frame is finished to match the window frame.

MESH - Standard .011 aluminum screen wire mesh is produced from 5154 alloy with 18x16 pattern in Charcoal or Aluminum color. All mesh is applied to the screen frame with a roller spline making for easy and quick replacements. Optional fiberglass or .009 stainless steel mesh is available as an option.

WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN
THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

© WINCO WINDOW COMPANY, INC. 2021

3325 Series 3-1/4" Thermal Casement & Projected Windows

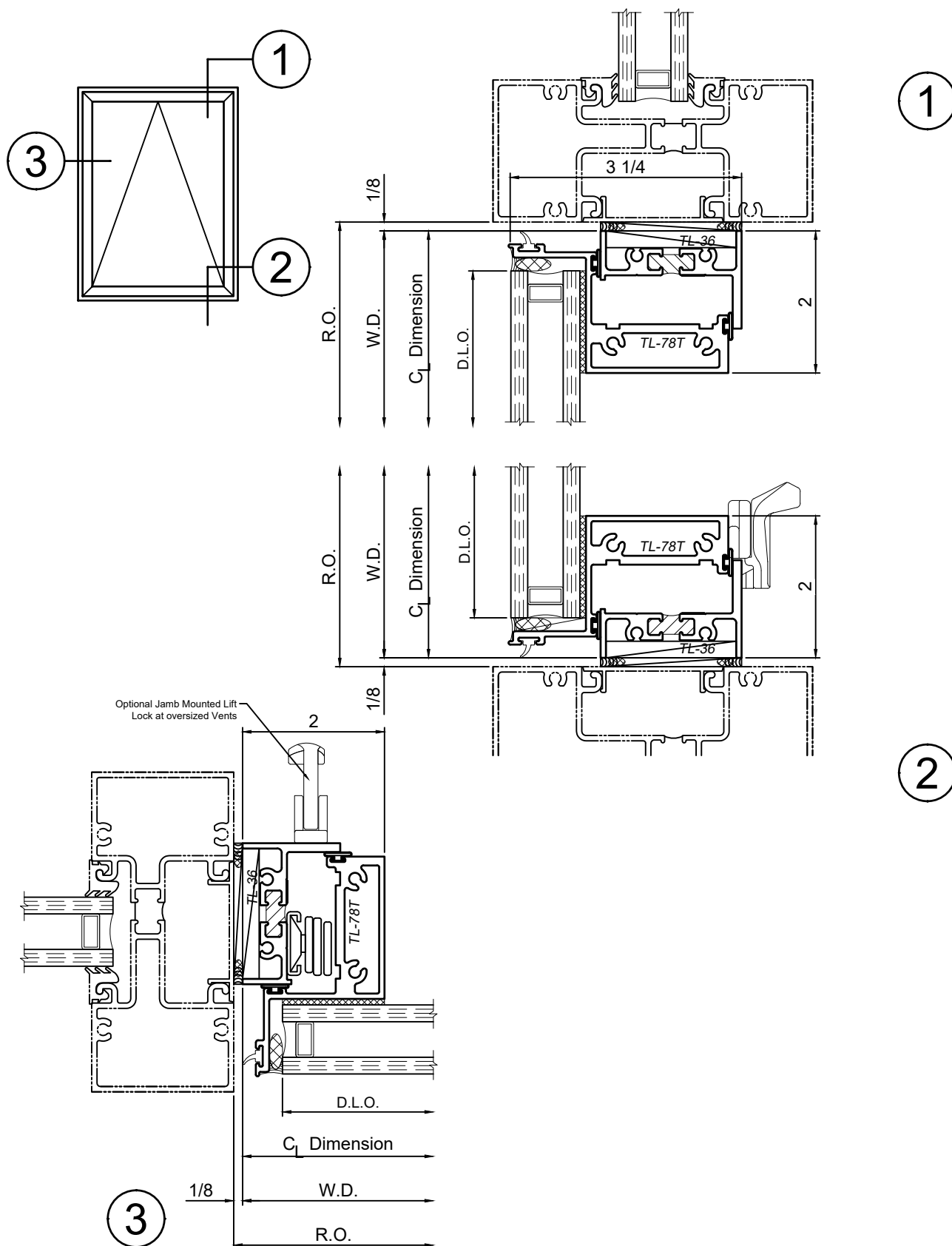
Product Details - Storefront - PO Awning



Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.

WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

© WINCO WINDOW COMPANY, INC. 2021



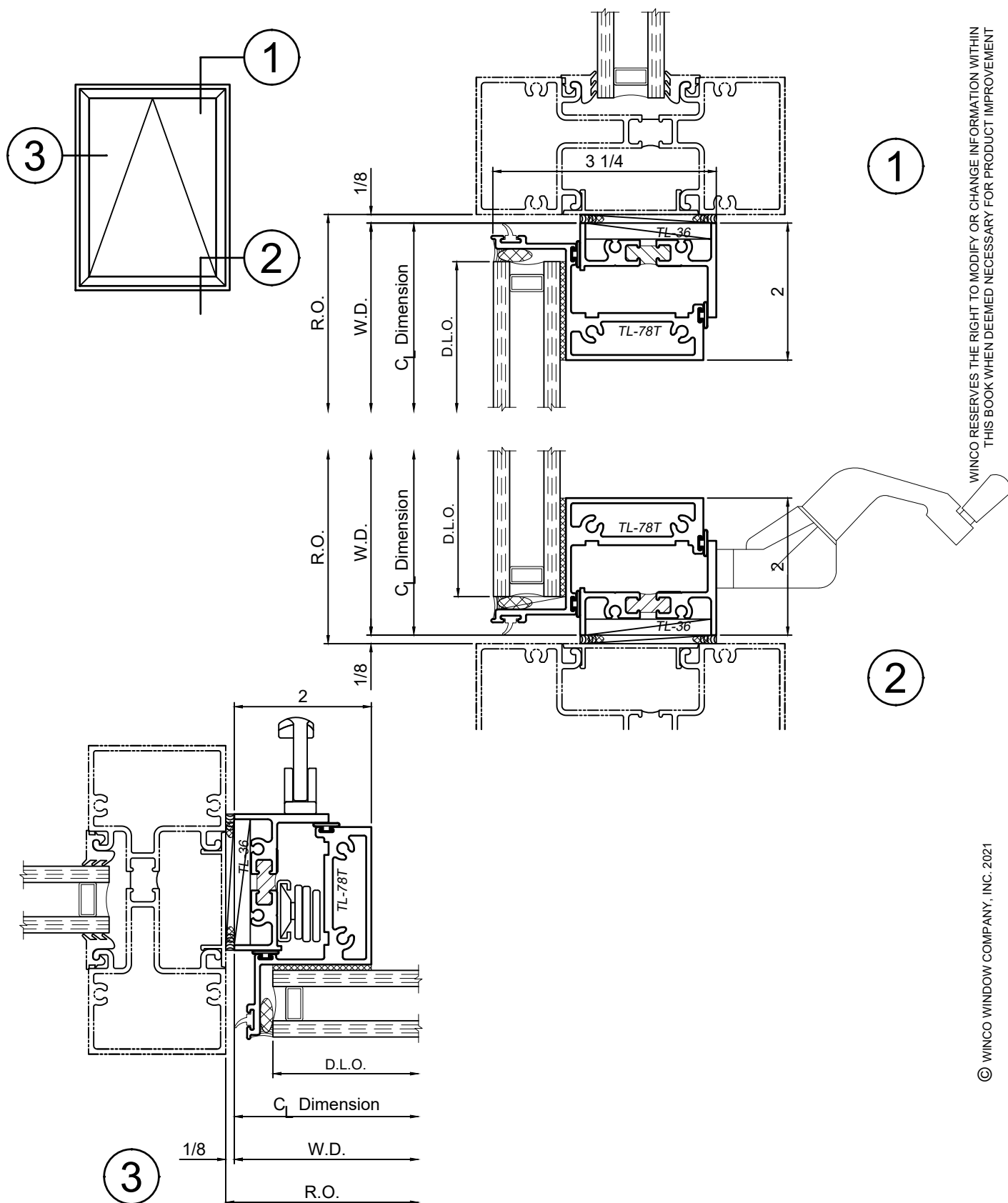
SCALE 6"=1'-0"

3325 Series 3-1/4" Thermal Casement & Projected Windows

Product Details - Storefront - PO Awning w/ Roto Operator



Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.



WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

© WINCO WINDOW COMPANY, INC. 2021

SCALE 6"=1'-0"

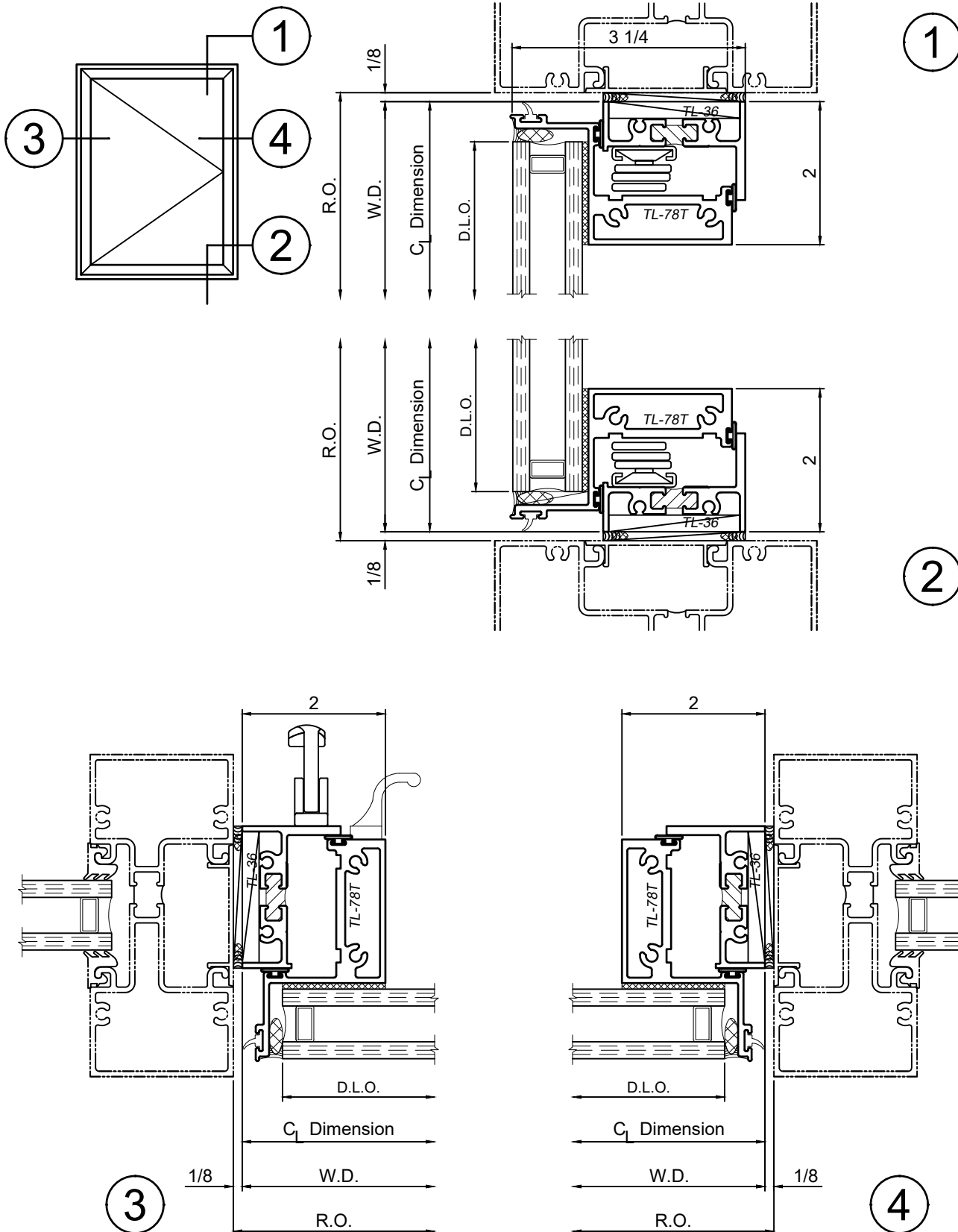
3325 Series 3-1/4" Thermal Casement & Projected Windows

Product Details - Storefront - Outswing Casement



Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.

WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT



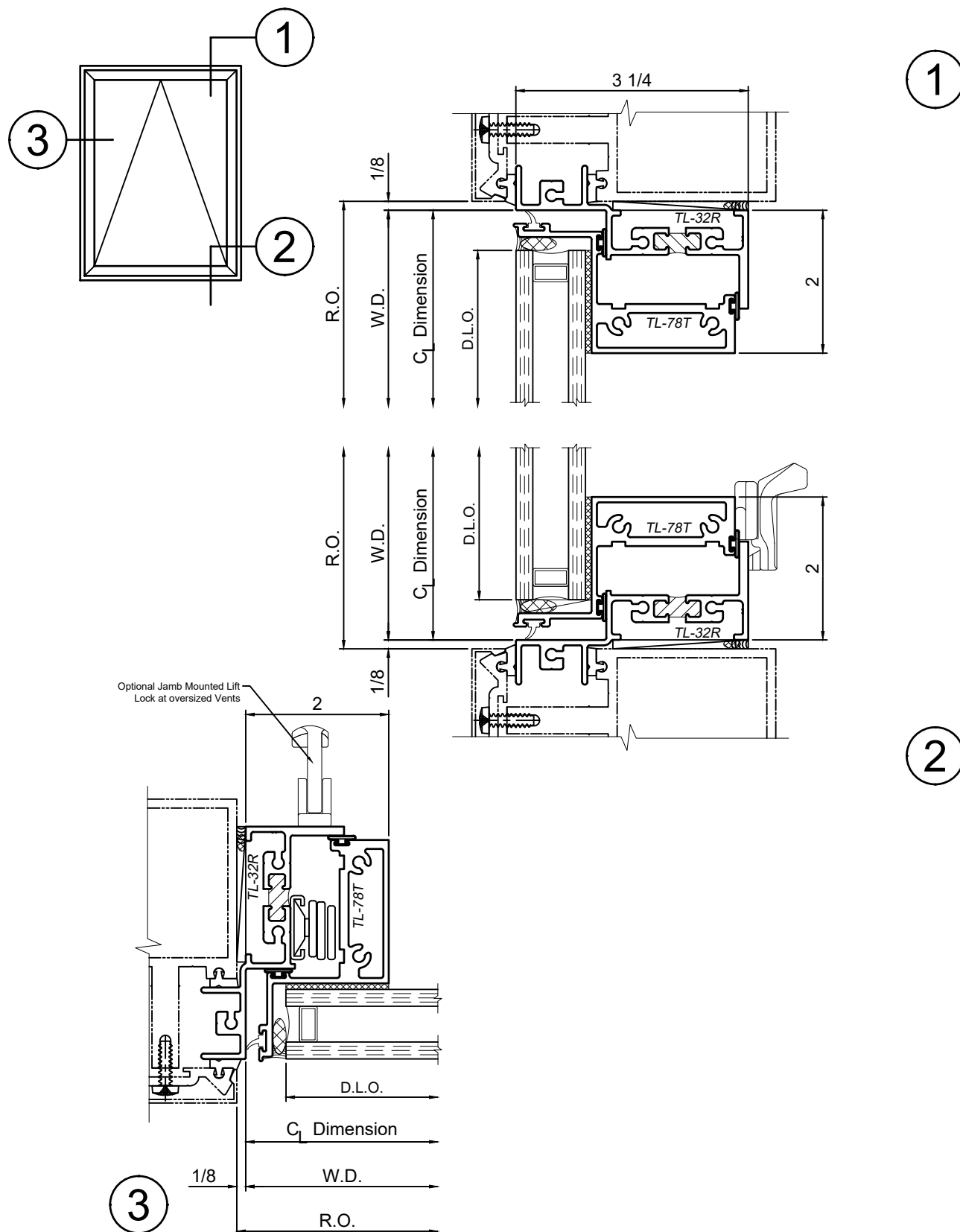
SCALE 6"=1'-0"

3325 Series 3-1/4" Thermal Casement & Projected Windows

Product Details - Curtain Wall - PO Awning



Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.



WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

© WINCO WINDOW COMPANY, INC. 2021

SCALE 6"=1'-0"

3325 Series 3-1/4" Thermal Casement & Projected Windows

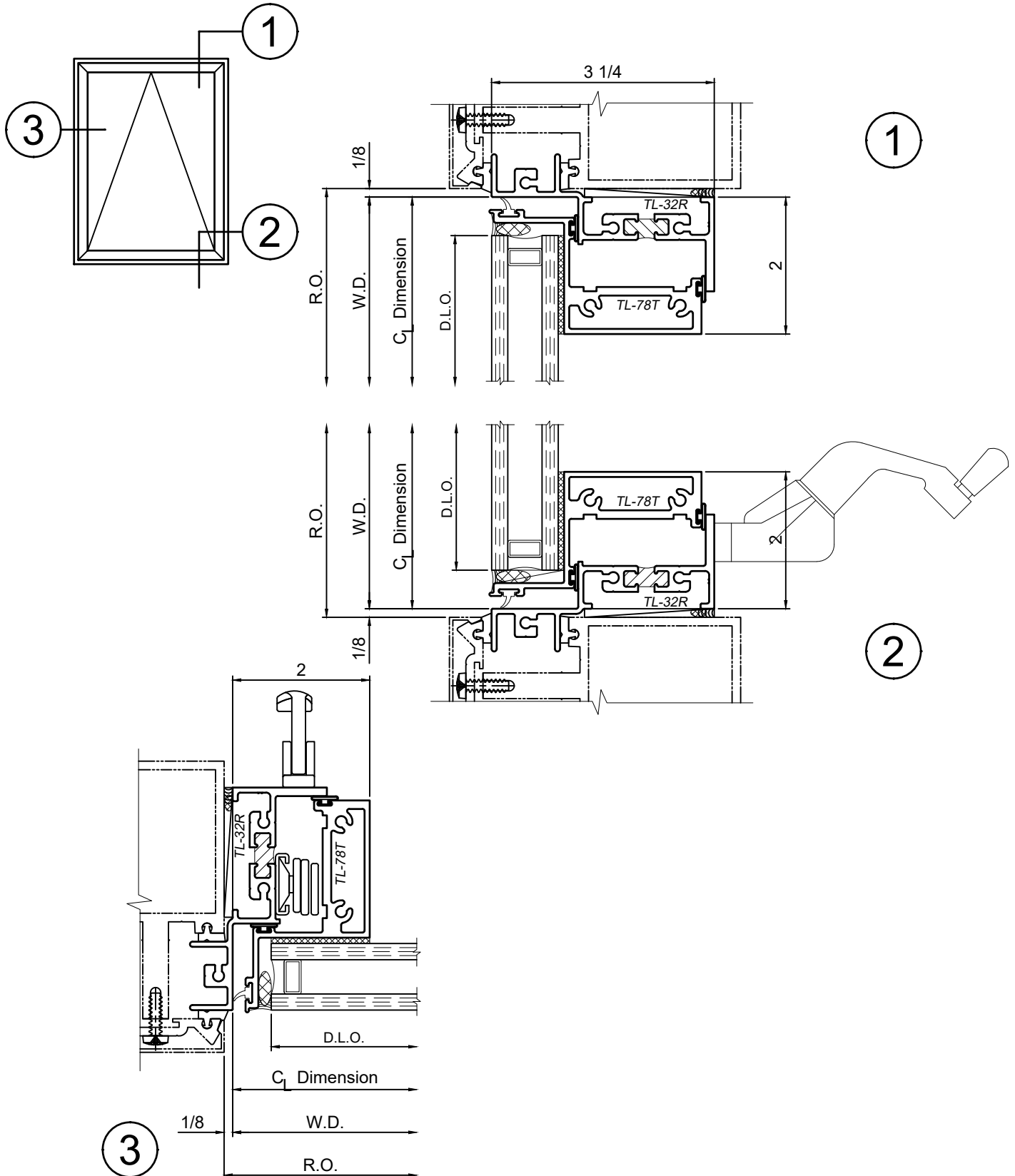
Product Details - Curtain Wall - PO Awning w/ Roto Operator



Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.

WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

© WINCO WINDOW COMPANY, INC. 2021



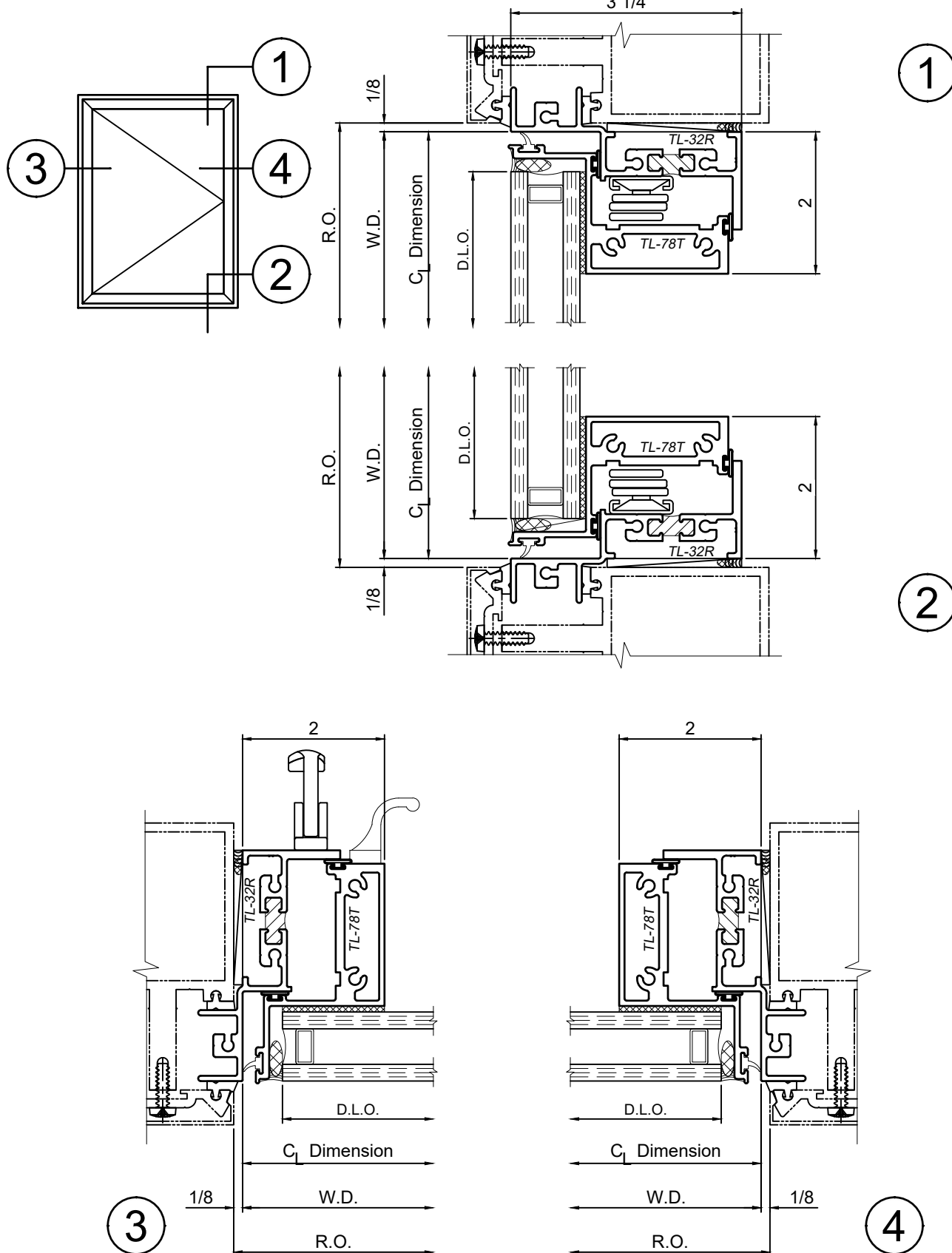
SCALE 6"=1'-0"

3325 Series 3-1/4" Thermal Casement & Projected Windows

Product Details - Curtain Wall - Outswing Casement



Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.



WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

© WINCO WINDOW COMPANY, INC. 2021

SCALE 6"=1'-0"

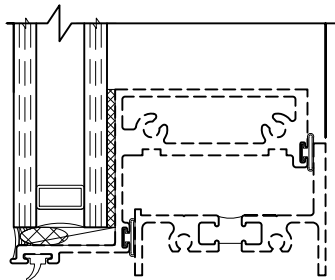
3325 Series 3-1/4" Thermal Casement & Projected Windows

Product Details - Glazing Options



Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.

WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN
THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT



1" Glazing
(No Bead used)

© WINCO WINDOW COMPANY, INC. 2021

SCALE 6"=1'-0"



WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN
THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

This page is purposely left blank

© WINCO WINDOW COMPANY, INC. 2021

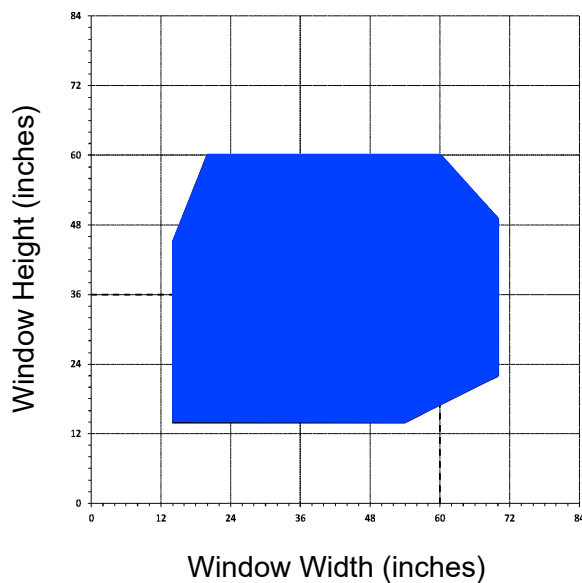
3325 Series 3-1/4" Thermal Casement & Projected Windows

Projected Vent Size Capabilities Charts

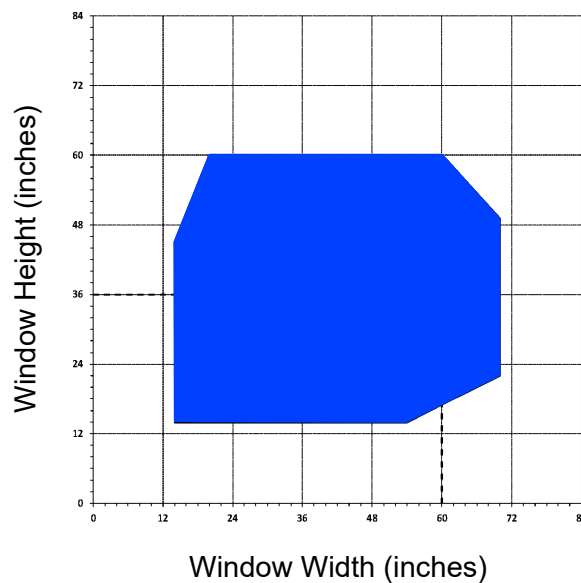


WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

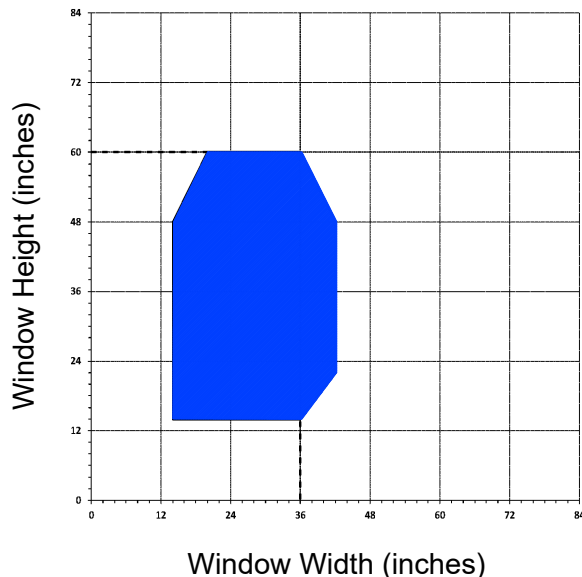
Projected Out with Four Bar Arms



Projected Out with Pivot Shoe Roto-Operator



Casement with Concealed Four Bar Casement Arm & Multi Point Locks



----- AAMA Gateway Size

- Dashed line represents the gateway size window as tested by AAMA.
- All vent sizes are based upon 1" Insulated glass consisting of $\frac{1}{4}$ " glass - $\frac{1}{2}$ " air - $\frac{1}{4}$ " glass.
- Any vent size outside of the AAMA Gateway tested size may have reduced performance.
- Chart assumes the window has been installed in a properly prepared opening by a qualified installer.
- Individual job criteria such as: other glazing materials, specified wind load, and specific operating hardware; may enhance or restrict the chart.
- Minimum vent size is 14" x 14" with standard cam locks and 4-bar hinges.
- The chart is a general guideline for projected vent sizing, anything on the edge or outside of the range will need to be reviewed by Winco Engineering.

© WINCO WINDOW COMPANY, INC. 2021

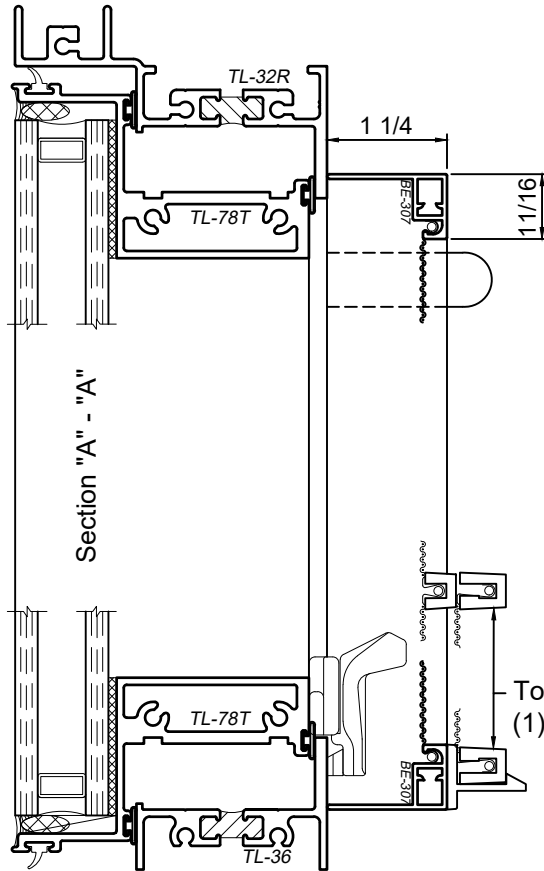
3325 Series 3-1/4" Thermal Casement & Projected Windows

Product Details - Screen Options - PO - Awning

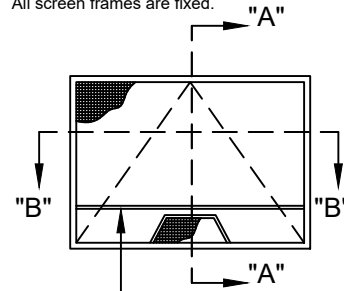


Note: Typical vent screen details shown. Winco reserves the right to alter the screen attachment detail due to job specific sizing and hardware. If you have specific screen applications you would like to see please contact your local Winco Sales Representative for more information.

WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT



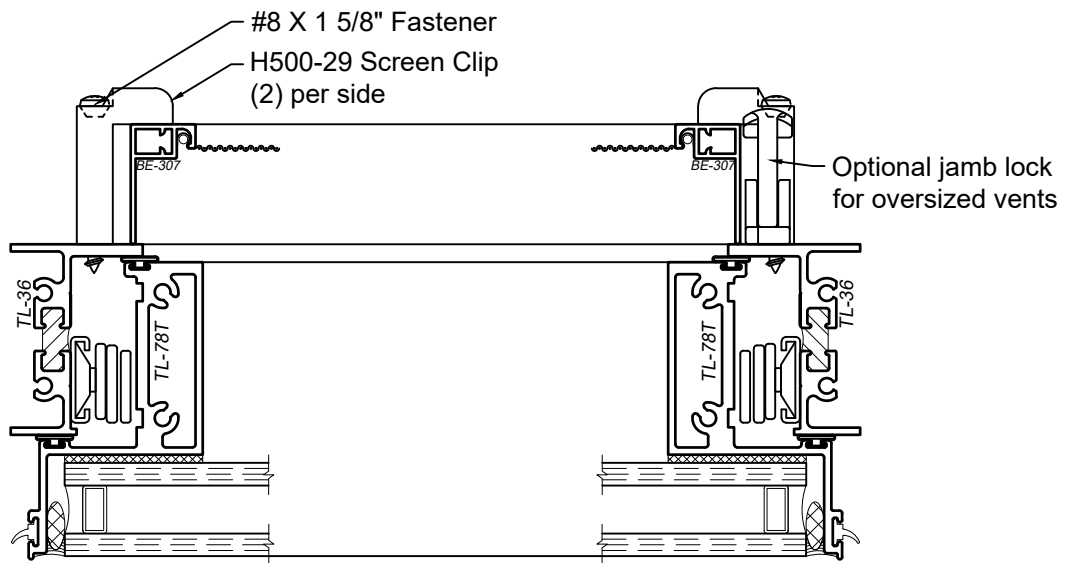
Note: Dashed lines on screen elevations depict operable sash type.
All screen frames are fixed.



Optional D8-90 Muntin Bar

Winco reserves the right to add the D8-90 muntin bar to any aluminum mesh screen for wicket support if the vent becomes too wide. All Fiberglass screen mesh will receive the support rail regardless of width.

Top hinged Wicket
(1) per cam lock



Section "B" - "B"

SCALE 6"=1'-0"

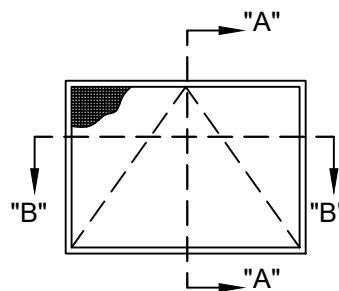
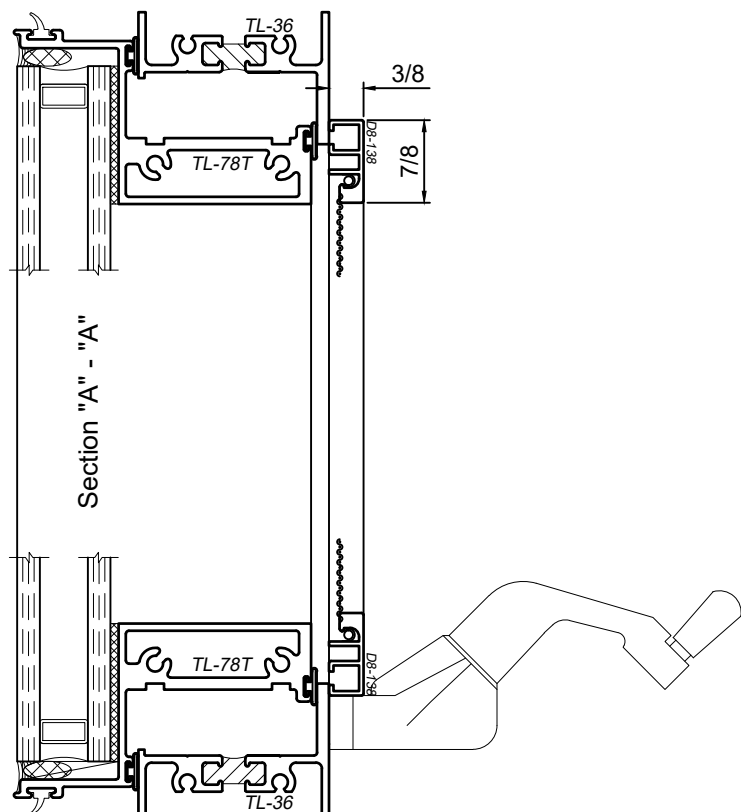
© WINCO WINDOW COMPANY, INC. 2021

3325 Series 3-1/4" Thermal Casement & Projected Windows

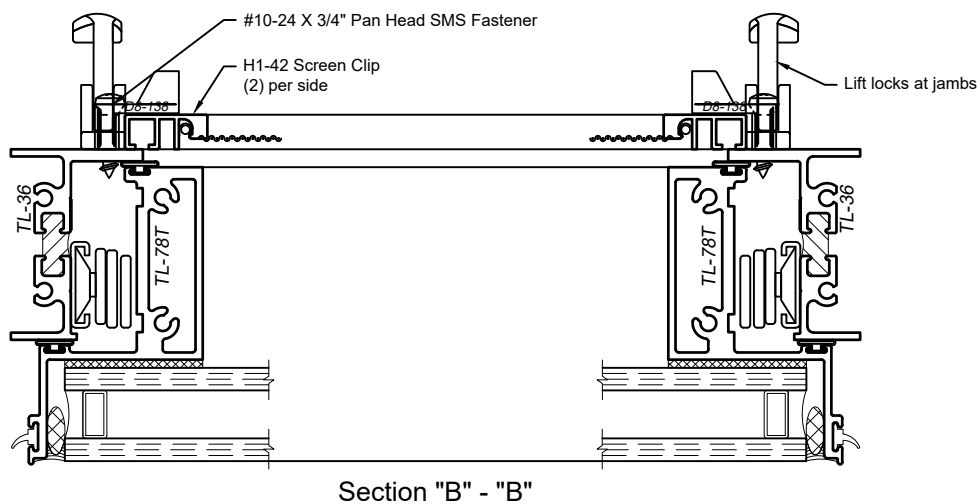
Product Details - Screen Options - PO - Awning w/ Roto Operator



Note: Typical vent screen details shown. Winco reserves the right to alter the screen attachment detail due to job specific sizing and hardware. If you have specific screen applications you would like to see please contact your local Winco Sales Representative for more information.



Note: Dashed lines on screen elevations depict operable sash type. All screen frames are fixed



SCALE 6"=1'-0"

WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

© WINCO WINDOW COMPANY, INC. 2021

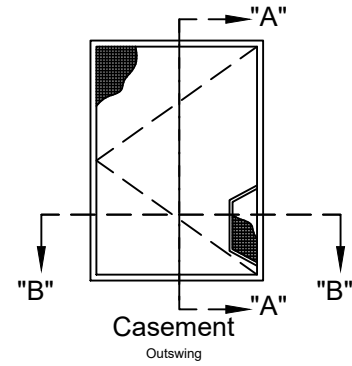
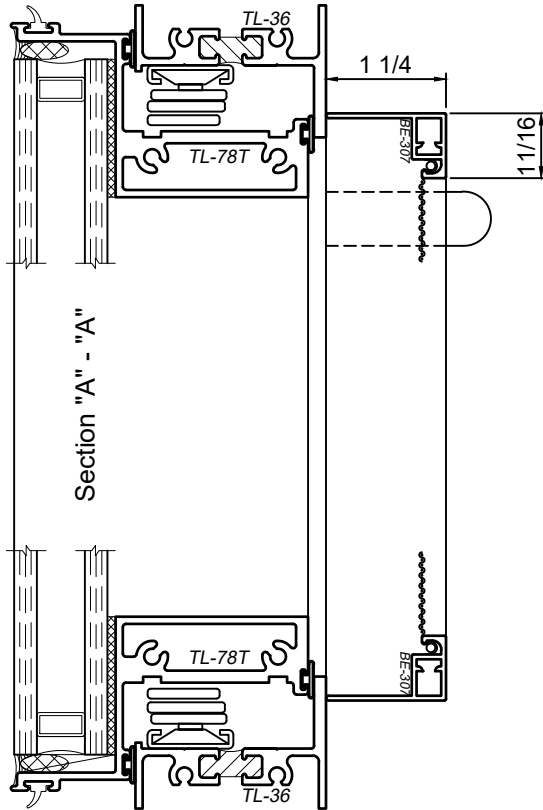
3325 Series 3-1/4" Thermal Casement & Projected Windows

Product Details - Screen Options - Outswing Casement

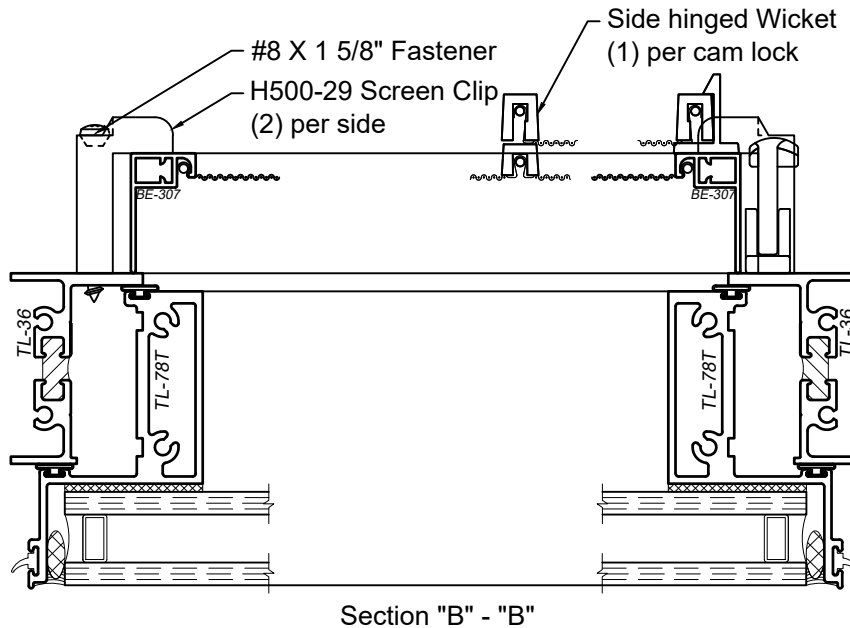


Note: Typical vent screen details shown. Winco reserves the right to alter the screen attachment detail due to job specific sizing and hardware. If you have specific screen applications you would like to see please contact your local Winco Sales Representative for more information.

WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT



Note: Dashed lines on screen elevations depict operable sash type. All screen frames are fixed



SCALE 6"=1'-0"

© WINCO WINDOW COMPANY, INC. 2021



WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN
THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT

This page is purposely left blank

© WINCO WINDOW COMPANY, INC. 2021