

PERFORMANCE

The Series 8325F window is a thermally broken mainframe and sash that exceeds the performance specification criteria as required by ANSI/AAMA for AW (Architectural Grade) windows.

Fix	ced		Project Out - Awning						
AAMA Rating	AW	/ -120	AAMA Rating	AW-120					
Air Infiltration	0.0 C	FM/ft ²	Air Infiltration	0.00 CFM/ft ²					
Water	Over	12 psf	Water	Over 12 psf					
Structural	180	psf	Structural	180 psf					
CRF (AAMA 1503)	Not T	ested	CRF (AAMA 1503)	Not Tested					
Center of Glass U-Value	Window l	J-Factor ³	Center of Glass U-Value	Window U-Factor ³					
BTU/Ft ² x F° x Hr	47" x 59" ² 60" x 99" ¹		BTU/Ft ² x F° x Hr	59" x 24" ²	60" x 36" ¹				
0.20	0.27 0.24		0.20	0.39	0.34				
0.24	0.30 0.28		0.24	0.41	0.37				
0.29	0.35 0.33		0.29	0.44	0.41				
0.34	0.38	0.36	0.34	0.46 0.43					
0.47	0.49	0.48	0.47	0.54 0.52					

Project In	- Hopper		Casement						
AAMA Rating	AV	V-80	AAMA Rating	AW-80					
Air Infiltration	0.07 C	FM/ft ²	Air Infiltration	0.03 CFM/ft ²					
Water	Over	12 psf	Water	Over 12 psf					
Structural	120	psf	Structural	120 psf					
CRF (AAMA 1503)	Not T	ested	CRF (AAMA 1503)	Not Tested					
Center of Glass U-Value	Window l	J-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	0.39	0.34	0.20	0.39	0.34				
0.24	0.41 0.37		0.24	0.41	0.37				
0.29	0.44	0.41	0.29	0.44	0.41				
0.34	0.46	0.43	0.34	0.46 0.43					
0.47	0.54	0.52	0.47	0.54	0.52				

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

Please contact WINCO for project specific information

¹AAMA 101 Test Size

² NFRC Gateway Test Size

³ Based on NFRC 100



GLAZING

The windows can be interior glazed with .050 thick extruded aluminum glazing bead accommodating thicknesses ranging from 3/4" to 2-1/4". The standard glazing thickness is 1".

Glazing Th	nickness	1/8"	3/16"	1/4"	5/16"	1/2"	5/8"	3/4"	7/8"	1"	1-1/4"	1-1/2"	1-3/4"	2"	2-1/4"
Monoli	ithic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Insula	ted	•	-	-	-	-	-	Χ	Χ	Χ	Х	Χ	Х	Х	Х
Dual	Exterior	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glazed	Interior	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triple	Exterior	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glazed	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, casement arms, friction arms and key release limit arms are stainless steel conforming to AAMA 904.1. Five knuckle butt hinges are fabricated of 6063-T6 aluminum with nylon bushings and a stainless steel hinge pin.

Window Type	Butt Hinge	4-Bar Arms	Casement Arms	Friction Adjustable	Roto Operator	Cam Lock	Pole Ring Cam Lock	Access Control Lock	Multi Point Lock	Pole Ring Lift Lock	Pull Handle	Key Release Limit Arm	Fixed Limit Stop	Under Screen Push Bar
PO - Awning	-	Х	ı	-	0	Х	0	0	0	0	Х	0	0	-
PI - Hopper	-	Х	-	-	-	Х	0	0	0	0	-	0	0	-
Casement - Outswing w/ Butt Hinges	Х	-	0	Х	0	0	0 3	0	Х	0	Х	0	0	-
Casement - Inswing w/ Butt Hinges	Х	-	-	Х	-	0	0	0	Х	0	-	0	0	-
Casement - Outswing w/ concealed Hinges	-	-	Х	-	O ^{2,4}	0	O 3	0	Х	0	Х	0	0	-
Casement - Inswing w/ concealed Hinges	-	-	1	-	-	1	-	1	1	1	ı	-	1	-

X = Standard 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 Minimum width requirement for optional roto operators on casement windows with concealed casement arm hinging
- ⁵ Under screen push bars are not recommended by Winco if optimum water performance is a requirement

O = Optional Hardware



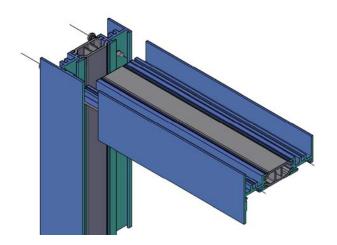
CONSTRUCTION

MATERIAL - The Series 8325F window is a 3-1/4" deep frame depth with a nominal wall thickness of .125 inch. All material is extruded from 6063-T6 alloy.

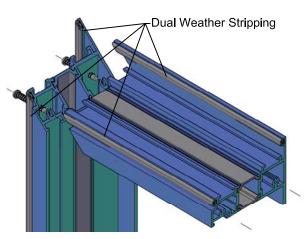
THERMAL BREAK - All framing members of the window system are thermally broken. Winco uses polyamide struts for all frame and vent extrusion profiles.

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

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.

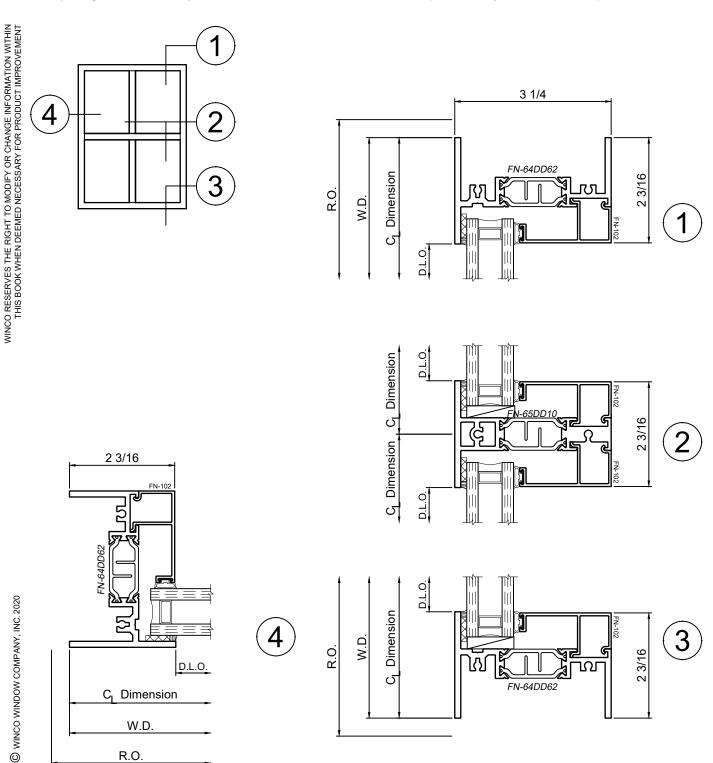
MESH - Standard 0.011" aluminum screen wire mesh is produced from 5154 alloy with 18x16 pattern in Charcoal or Aluminum color. All mesh is applied to the screen frame with a roller spline making for easy and quick replacements. Optional fiberglass or 0.009" stainless steel mesh is available as an option.

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8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Fixed - Picture Window



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.



8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Project Out - 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. 3 1/4 WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT FN-62DD62 Dimension 3/16 R.O. W.D. ح D.L.O. Dimension 6 Q 2 3/16 G Dimension 2 3/16 D.L.O. FN-62DD62 Dimension J 3 15/16 C_I Dimension FN-78CC7 Dimension W.D. R.O. ۍ 3 7/8 © WINCO WINDOW COMPANY, INC. 2020 FN-101 D.L.O. D.L.O. FN-62DD62 6 Dimension ഗ W.D. R.O. J Dimension W.D. R.O. SCALE 6"=1'-0"

8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Project In - Hopper



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. 3 1/4 WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT FN-64DD62 2 3/16 Dimension Я. О. W.D. G D.L.O. Dimension 6 Q 2 3/16 G Dimension 2 3/16 D.L.O. D.L.O. Dimension J D.L.O. C_I Dimension Dimension W.D. R.O. G 3 7/8 © WINCO WINDOW COMPANY, INC. 2020 D.L.O. D.L.O. 6 Dimension W.D. R.O. Q C_I Dimension W.D. FN-63DD62 R.O. SCALE 6"=1'-0"

8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - PO|PI - Awning|Hopper



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. 3 1/4 WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT FN-62DD63 Dimension R.O. W.D. J 3 7/8 FN-101 Dimension FN-09DD0s FN-79CC25 D.L.O. Dimension Dimension W.D. R.O 3 7/8 © WINCO WINDOW COMPANY, INC. 2020 D.L.O. Dimension W.D. R.O. Q Dimension W.D. FN-63DD62 R.O. SCALE 6"=1'-0"

8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Butterfly Casement - Outswing



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. 3 1/4 WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT FN-62DD63 Dimension 3 7/8 Я. О. W.D. G D.L.O. D.L.O. Dimension В. О. 3 7/8 5 5/8 © WINCO WINDOW COMPANY, INC. 2020 FN-62DD63 D.L.O. D.L.O. D.L.O. C_I Dimension C_I Dimension C_I Dimension W.D. R.O. SCALE 6"=1'-0"

8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - 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. 3 1/4 WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT FN-62DD63 Dimension W.D. G D.L.O. D.L.O. Dimension W.D. В. О. FN-62DD63 3 7/8 3 7/8 © WINCO WINDOW COMPANY, INC. 2020 FN-62DD63 D.L.O. D.L.O. C_I Dimension C_I Dimension W.D. W.D. R.O. R.O. SCALE 6"=1'-0"

8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Inswing Casement

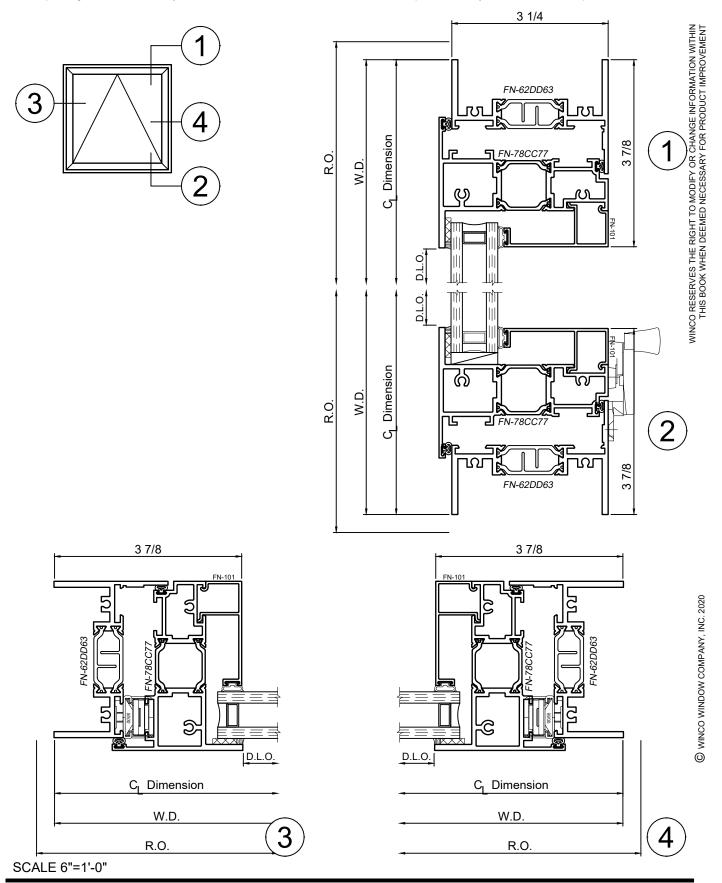


Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information. 3 1/4 WINCO RESERVES THE RIGHT TO MODIFY OR CHANGE INFORMATION WITHIN THIS BOOK WHEN DEEMED NECESSARY FOR PRODUCT IMPROVEMENT FN-63DD62 Dimension В. О. W.D. ن D.L.O. D.L.O. Dimension ര . D. R.O. FN-79CC25 FN-63DD62 3 7/8 3 7/8 © WINCO WINDOW COMPANY, INC. 2020 D.L.O. D.L.O C_I Dimension C_I Dimension W.D. W.D. R.O. R.O. SCALE 6"=1'-0"

8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Project Out - Awning



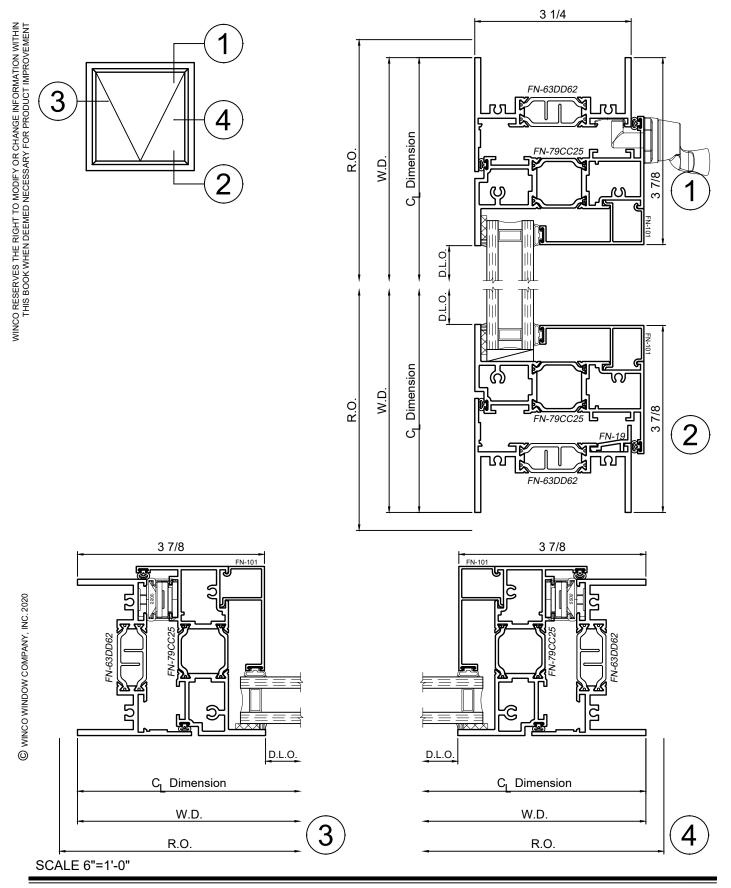
Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.



8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Project In - Hopper



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.



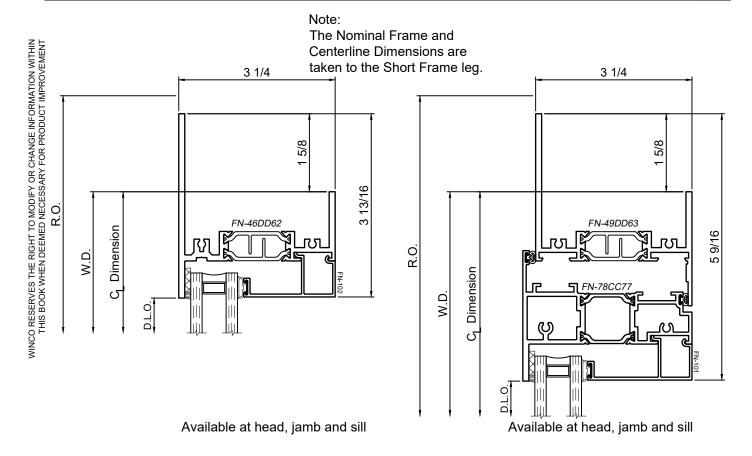


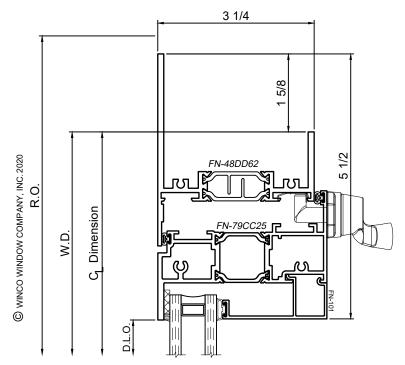
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8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Un-Equal Leg Frame Options





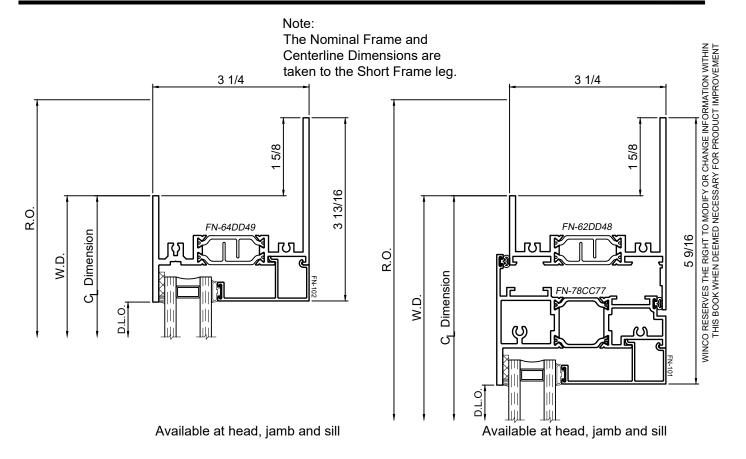


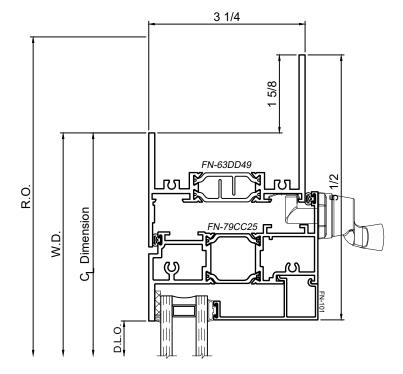
Available at head, jamb and sill

SCALE 6"=1'-0"



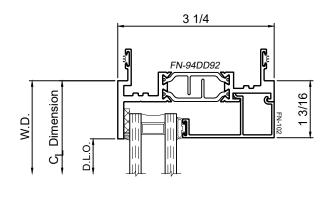
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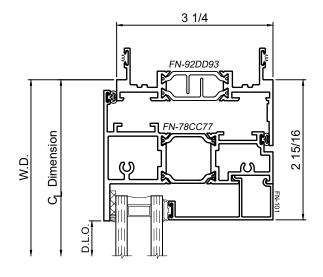




Available at head, jamb and sill

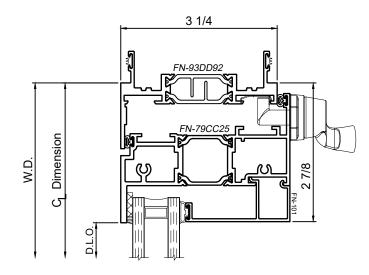
SCALE 6"=1'-0"





Available at head and jamb

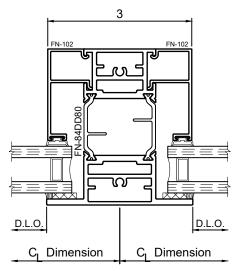
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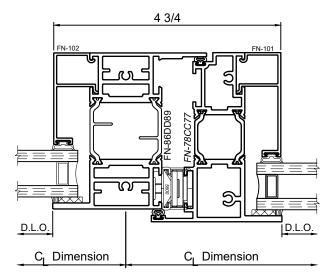


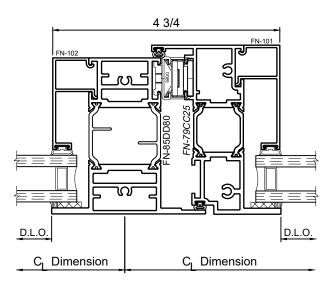
Available at head and jamb

SCALE 6"=1'-0"







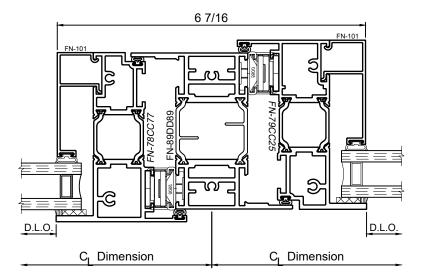


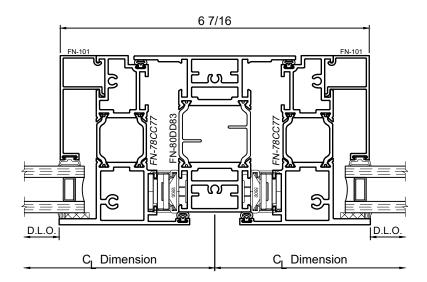
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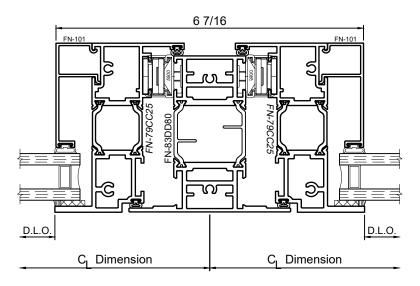
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SCALE 6"=1'-0"











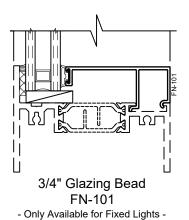
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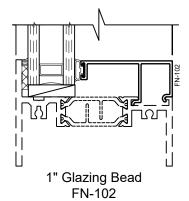
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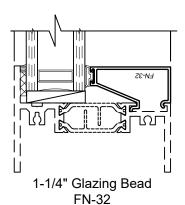
Note: Multiple configurations of this window system are available. Refer to the WINCO website for additional options or contact your local WINCO Sales Representative for information.

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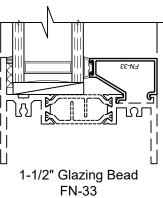


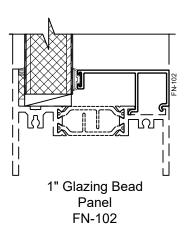


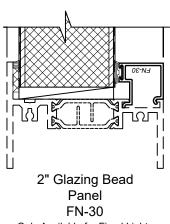


- Only Available for Fixed Lights -

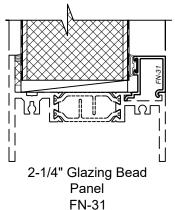
1-1/2" Glazing Bead











- Only Available for Fixed Lights -

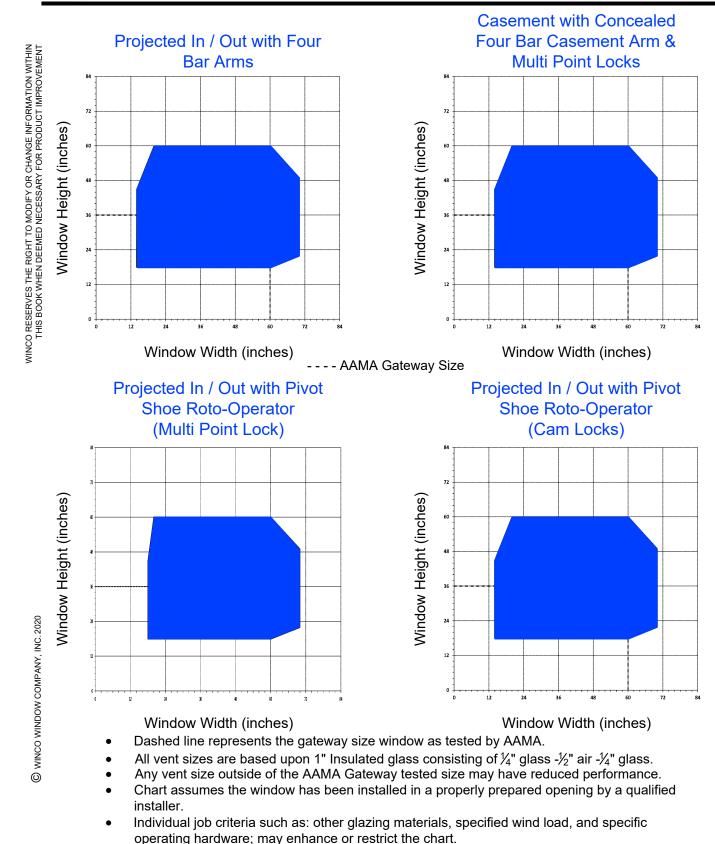
Note: glazing options shown are a sample of what is available. If desired glazing is not shown please contact your local Winco Sales Representative for additional information.



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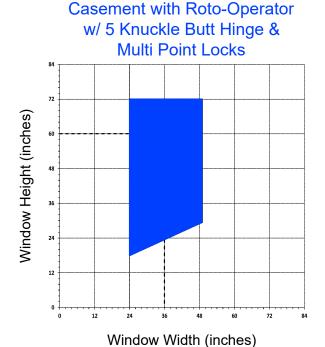


• The chart is a general guideline for projected vent sizing, anything on the edge or outside of the range will need to be reviewed by Winco Engineering.

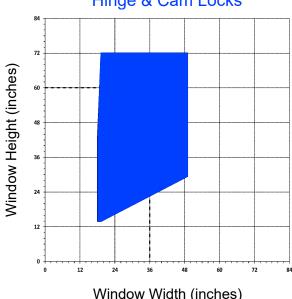
Minimum vent size is 14" x 18" with standard cam locks and 4-bar hinges.



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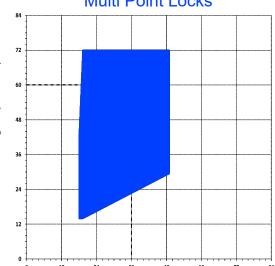


Casement with 5 Knuckle Butt Hinge & Cam Locks



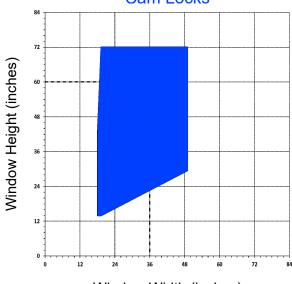
Window Width (inches)

Casement with Concealed Four Bar Casement Arm & Multi Point Locks



Window Height (inches)

Casement with Concealed Four Bar Casement Arm & Cam Locks



Window Width (inches)

Window Width (inches)

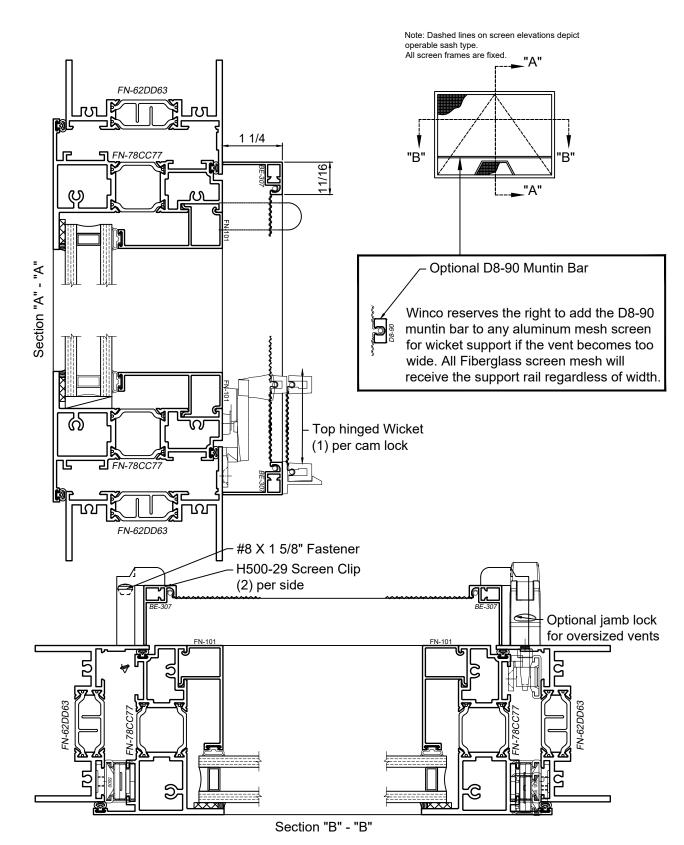
- Dashed line represents the gateway size window as tested by AAMA.
- All vent sizes are based upon 1" Insulated glass consisting of ¼" glass -½" air -½" glass.
- Any vent size outside of the AAMA Gateway tested size may have reduced performance.
- Chart assumes the window has been installed in a properly prepared opening by a qualified

AAMA Gateway Size

- 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 18" 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.



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.



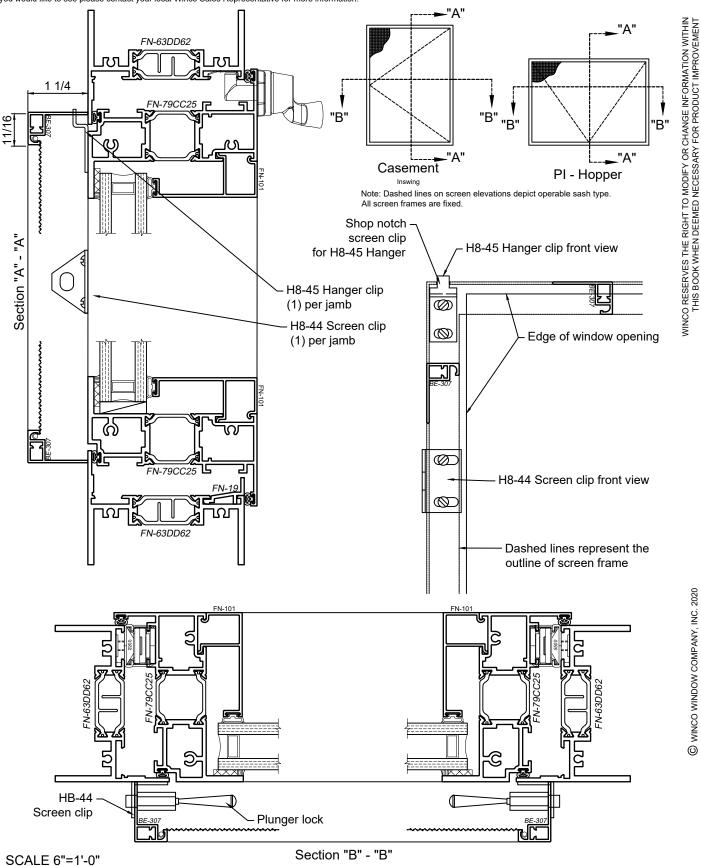
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8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Screen Options - PI Hopper



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.

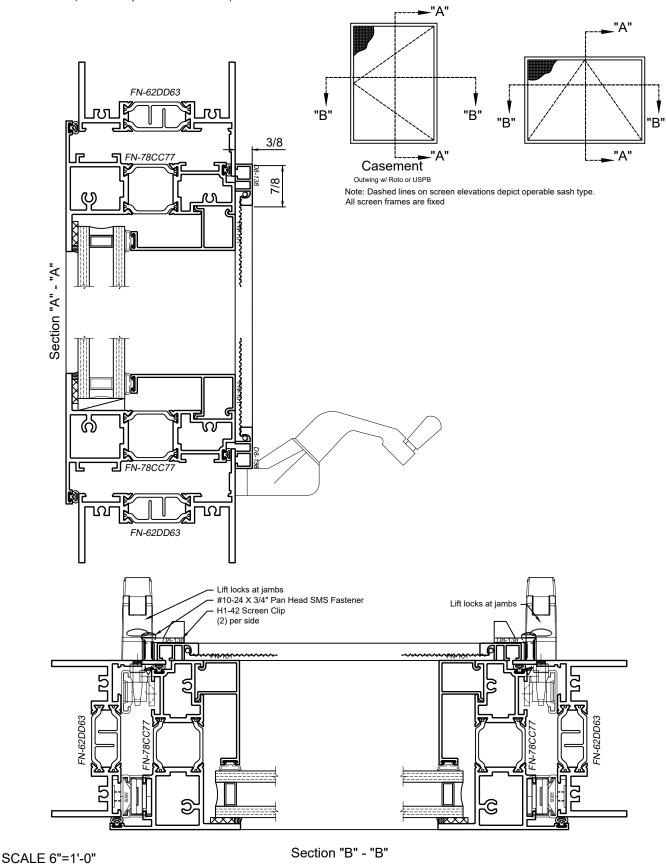


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Note: Typical vent screen details shown. Winco reserves the right to alter the screen attachment detail due to job specific sizing and hardware. If you have specific screen applications you would like to see please contact your local Winco Sales Representative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



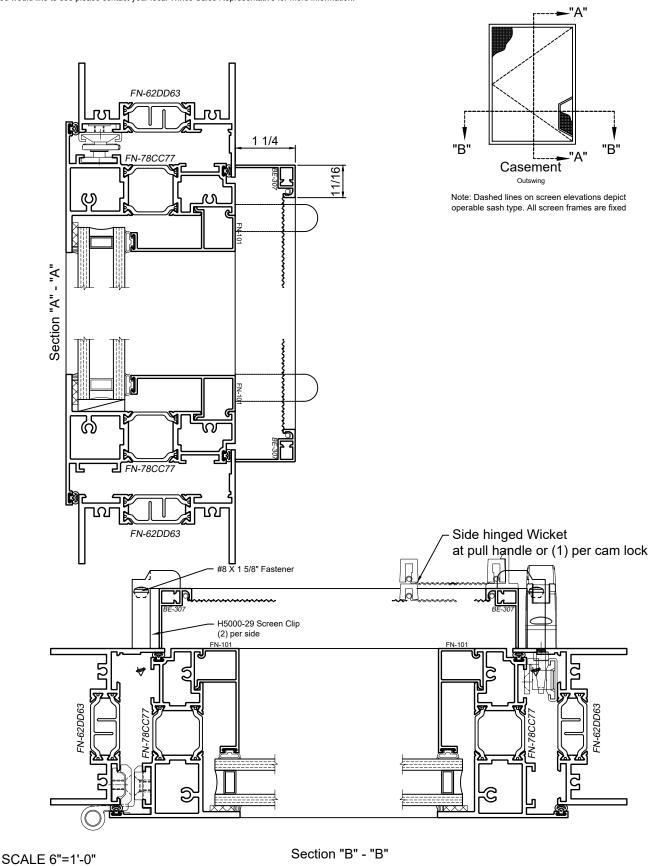
8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Screen Options - Outswing Casement



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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.

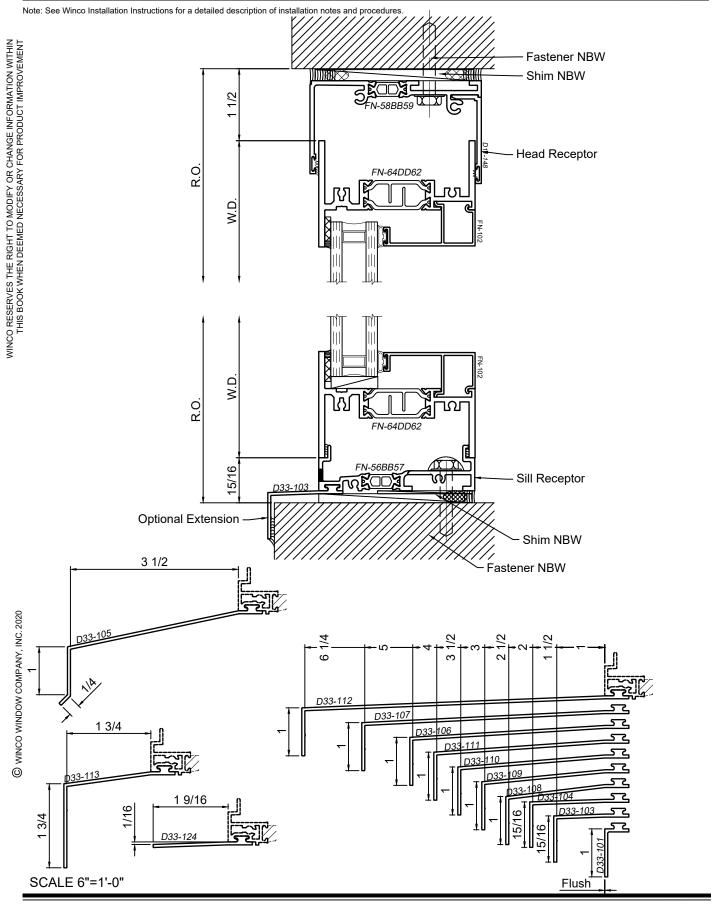


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8325F / S / 4

8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Trim - Receptor Installation

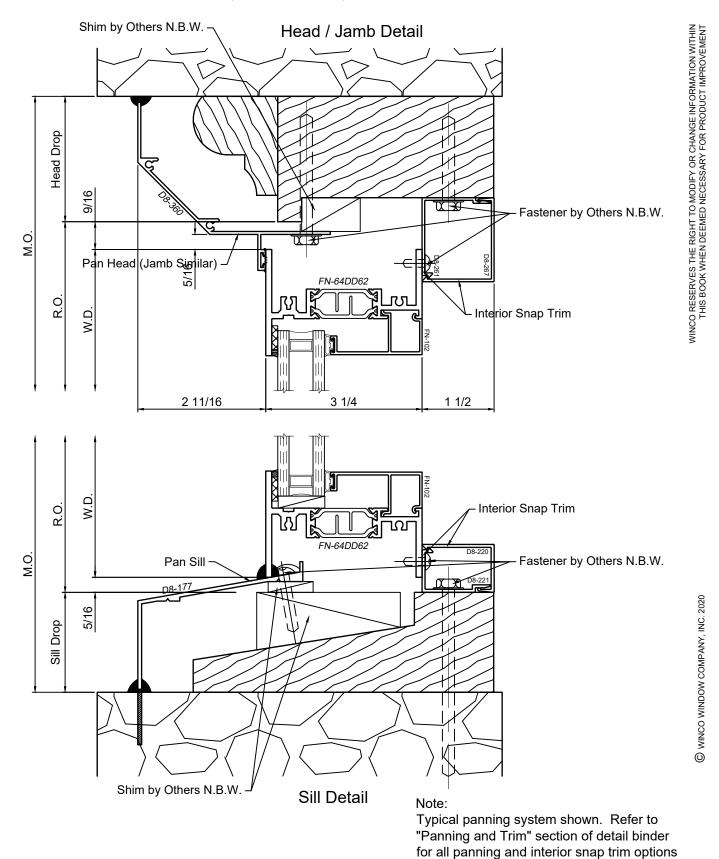




8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Trim - Panning Installation



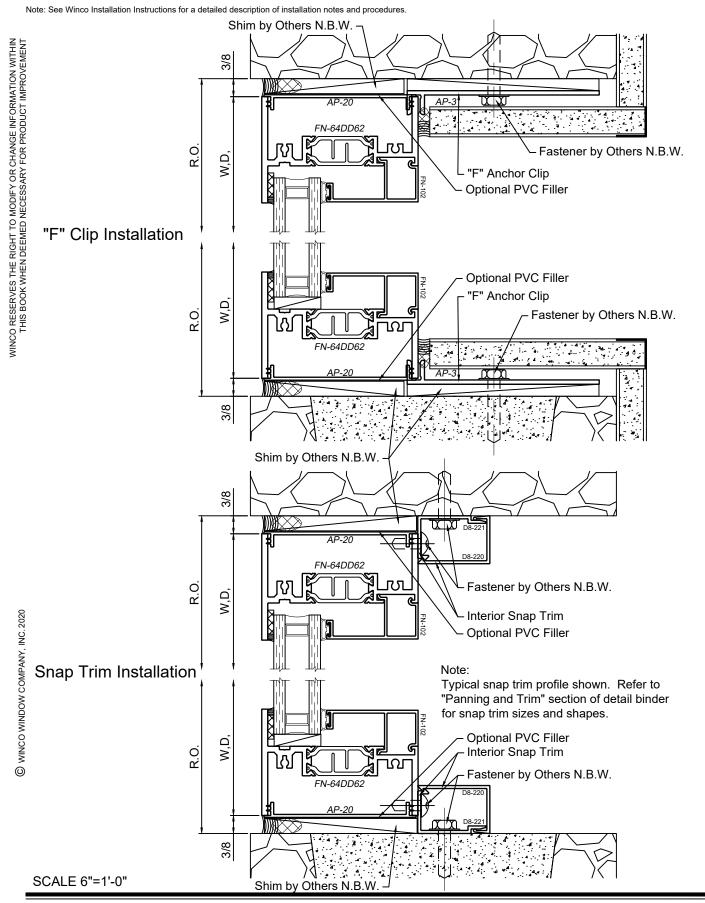
Note: See Winco Installation Instructions for a detailed description of installation notes and procedures



SCALE 6"=1'-0"

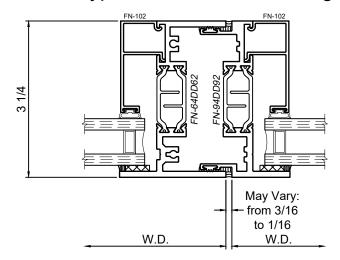
8325F Series 3-1/4" Thermal Fixed, Casement & Projected Windows Product Details - Trim - F-Anchor and Snap Trim Installation

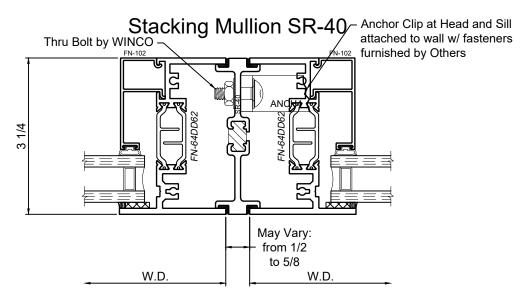


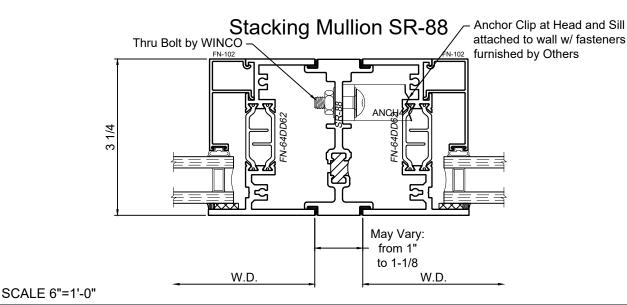




Typical Side Stack Framing



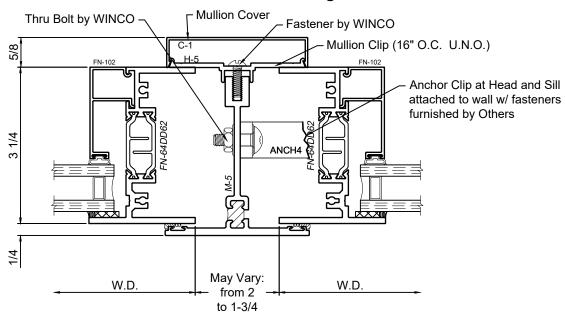




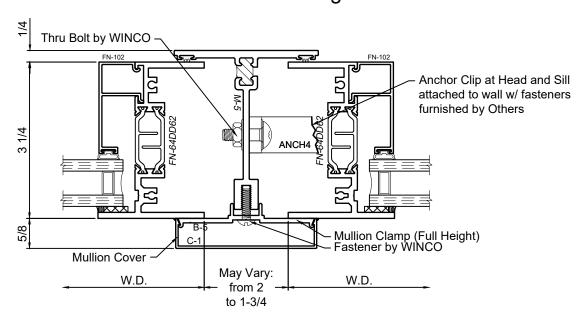
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M-5 Mullion set from Building Interior



M-5 Mullion set from Building Exterior





M-15 Mullion set from Building Interior

