PERFORMANCE

The Series 4410S window is a thermally broken mainframe and sash that exceeds the performance specification criteria as required by ANSI/AAMA for AW (Architectural Grade) windows.

Fixed			Single Hung		
AAMA Rating	AW-65		AAMA Rating	AW-65	
Air Infiltration	0.3 CFM/ft^2		Air Infiltration	0.02 CFM/ft^2	
Water	Over 12 psf		Water	Over 10 psf	
Structural	97.5 psf		Structural	97.5 psf	
CRF (AAMA 1503)	54		CRF (AAMA 1503)	52	
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	47" x 59" [2]	60" x 99.5" [1]	BTU/Ft^2 x F° x Hr	47" x 59" [2]	60" x 99.5" [1]
0.20	0.34 [4]	0.29 [4]	0.20	0.49	0.41
0.24	0.37 [4]	0.33 [4]	0.24	0.50	0.42
0.29	0.41 [4]	0.37 [4]	0.29	0.53	0.44
0.34	0.45 [4]	0.41 [4]	0.34	0.55	0.45
0.47	0.55 [4]	0.52 [4]	0.47	0.62	0.50

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

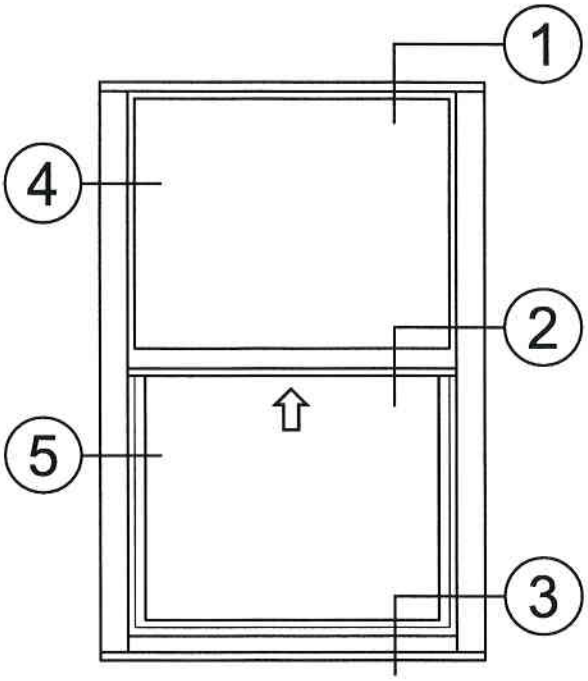
[3] Based on NFRC 100

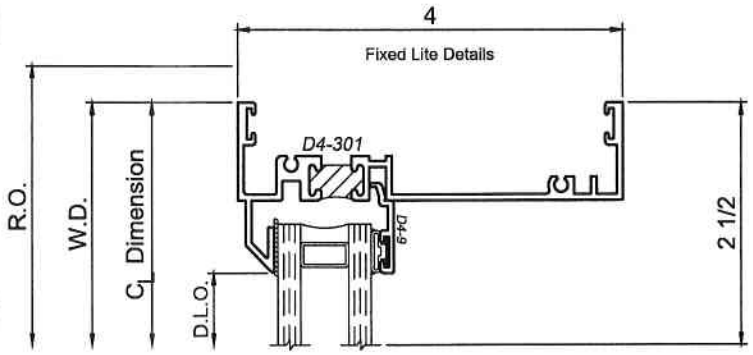
[4] Estimated performance

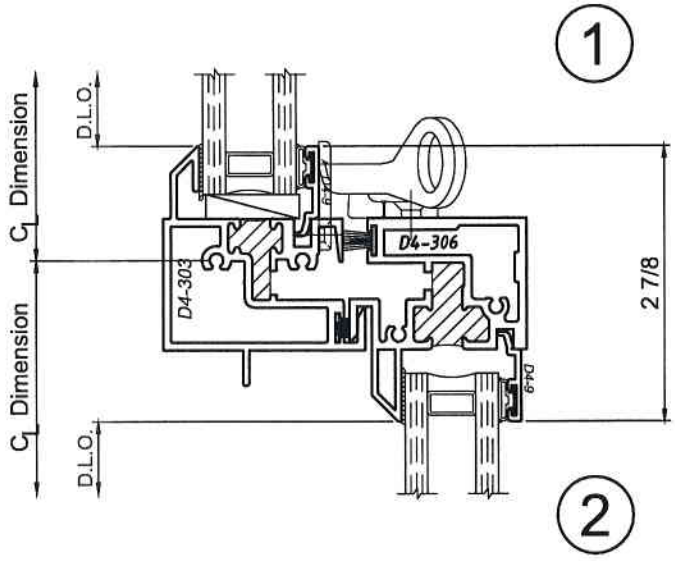
4410S Series 4" Thermal Fixed & Single Hung Windows
Product Details - Single Hung Window Head and Sill Details

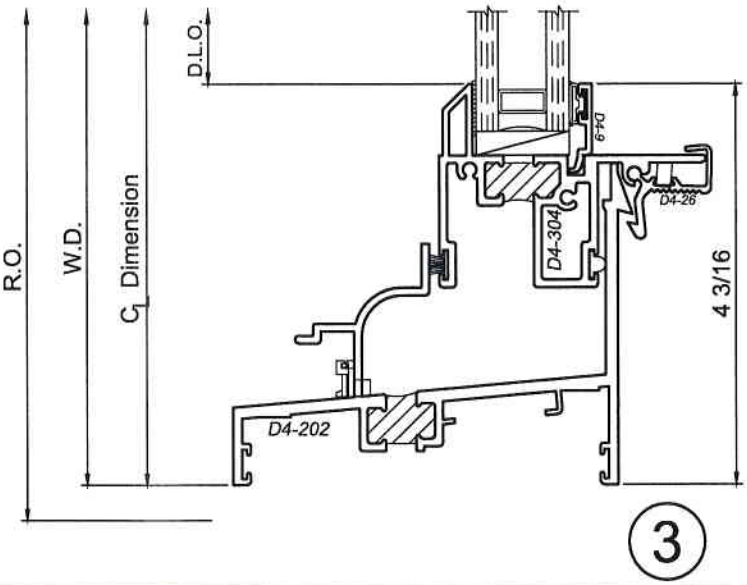
WINCO WINDOW

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.







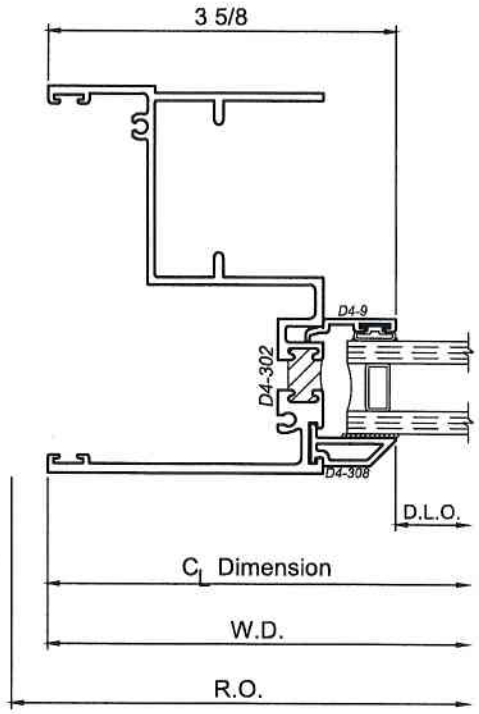


SCALE 6"=1'-0"

4410S Series 4" Thermal Fixed & Single Hung Windows
Product Details - Single Hung Window Jamb Details

WINCO 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.



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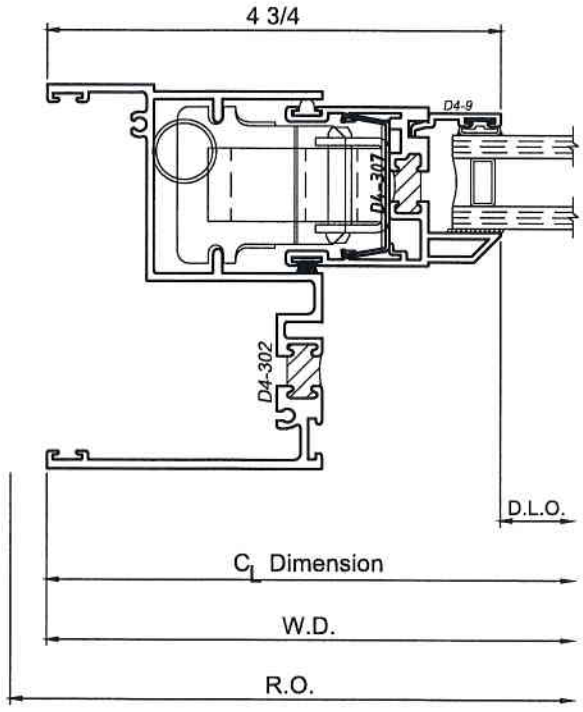

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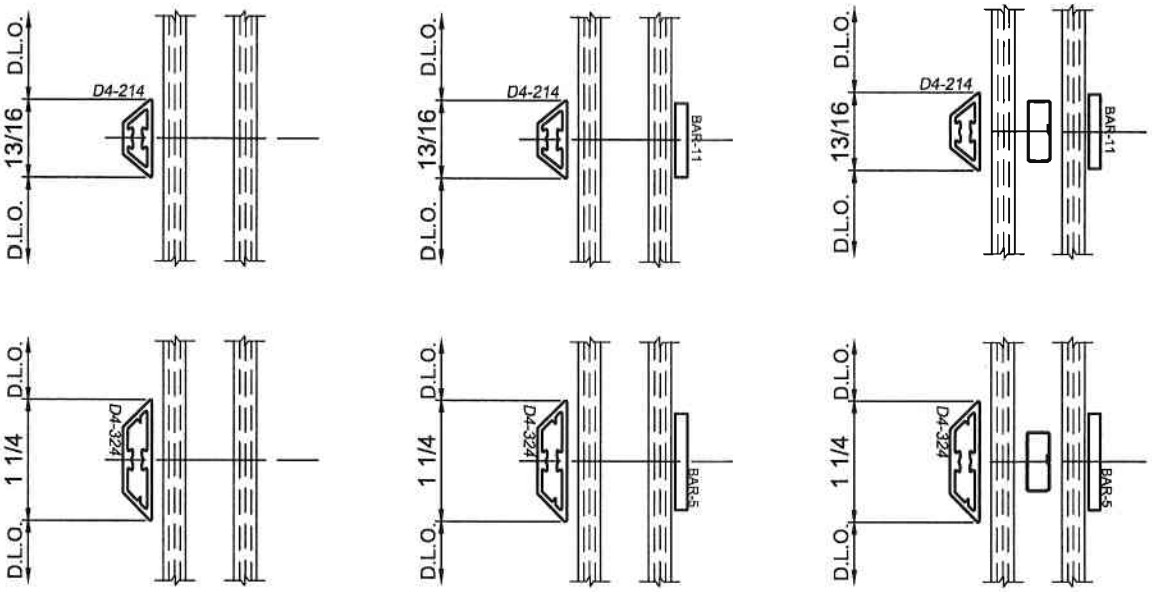
SCALE 6"=1'-0"

WINCO WINDOW



SCALE 6"=1'-0"

CONSTRUCTION

MATERIAL - The Series 4410S window is a 4" deep frame depth with a nominal wall thickness of 0.062 inch at the head and jamb members. The sill extrusion has a nominal wall thickness of 0.080 inch. The operable sash member is 1-5/8 inch deep with a nominal wall thickness of 0.062 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 sash have a heavy fin seal wool pile weather strip on the exterior for superior water and air performance. On the interior side of the sash, a rigid vinyl weatherstripping is used for ease of operation.

FABRICATION - The main frame corners are coped and mechanically joined using two stainless steel spline screws per corner (fig 1). The sash utilizes hollow tube shaped extrusions for superior strength and rigidity. The sash corners are coped 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 sealer providing a water tight joinery.