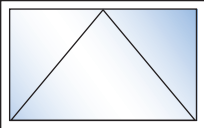


# Classic Series Awning

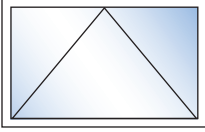
## Architectural Specifications

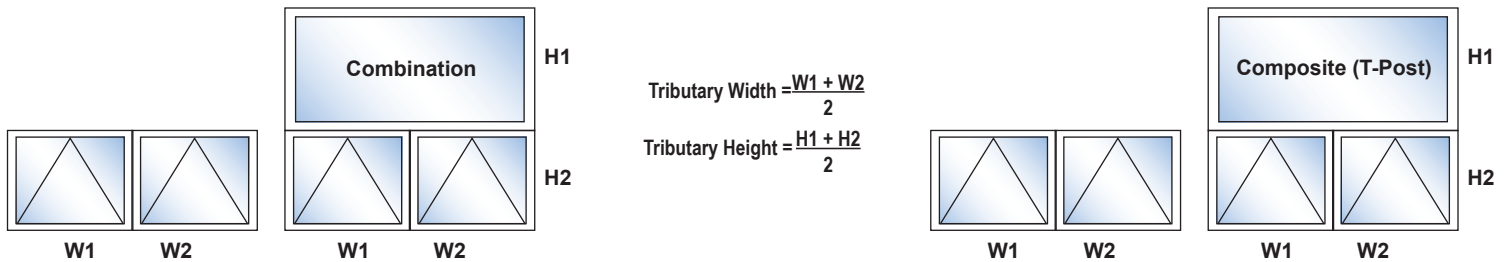


	<p>This energy efficient top hinged, outward projecting Awning style window, complete with a finished geared ratio folding crank for ease of operation was conceptualized at Global Windows and Doors with durability and performance as our primary engineering design criteria. Incorporating standards set by the National Building Code of Canada and adopted by regional building code authorities. This window utilizes the known strength and performance characteristics of high impact rigid uPVC (Vinyl) manufactured in accordance with CSA A440, and extruded in compliance with AAMA 303 (ASTM D 4726 tested) processes while utilizing a fusion welded single master frame design.</p>	
	<p><b>Global Windows and Doors manufactured products are structurally tested in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-08 and -11 'NAFS' with the A440S1-09 Canadian Supplement. And energy performance tested in accordance with CSA A440.2-14 as determined by the CSA® Standards accreditation agency.</b></p>	
Frame	Extruded multi chambered, fusion welded, high impact rigid uPVC	<ul style="list-style-type: none"> <li>• 3-1/4" (82.55mm) frame depth. Available in Flush Frame with add-on Brickmould options or 1-1/2" (38.1mm) and 2" (50.8mm) incorporated Brickmoulds.</li> </ul>
Sash		<ul style="list-style-type: none"> <li>• 4-1/2" (114.3mm) frame depth is available in Flush Frame or 1-1/2" (38.1mm) incorporated Brickmould.</li> </ul> <p>Sash profiles are available in Prestige and Contemporary style designs.</p>
Insulating Glass Units	<p>Our IG's are Hermetically sealed, using Guardian Float Clear and ClimaGuard 80/70 LowE insulating glass with minimum 90% plus argon gas fill. Combined with a primary seal made of pressure sensitive acrylic adhesive Super Spacer® Premium warm edge high performance silicone with integrally incorporated desiccant. Our perimeter Secondary seal is made of Butyl Hotmelt all tested and IGMAC Certified (cert. No. 021141G) in accordance with CAN/CGSB 12.8 Standard.</p>	
(NBCC 9.6) CAN/CGSB-12.2 Glazing Options	Double Glazed	3mm, 4mm, 5mm and 6mm monolithic Double Clear Float with Pinhead, Tempered and Laminated Glass options. Standard overall IG thicknesses in 7/8" available in Clear, Tinted Bronze (3 and 5mm), Tinted Grey (3mm and 5mm), Glue Chip and Obscure.
	Triple Glazed	3mm, 4mm and 5mm monolithic Triple Clear Float with Pinhead, Tempered and Laminated Glass options. Standard overall IG thicknesses in 1-1/8" and 1-1/4" available in Clear, Tinted Bronze (3 and 5mm), Tinted Grey (3mm and 5mm), Glue Chip and Obscure.
Glazing Seal	<p>Primary non-apparent coextruded tension linear seal on both sides of glazing. Plus a tertiary high quality ASTM C 1184 compliant Structural Silicone Sealant back bead.</p>	
Grills and Partitions	<p>Options are 18 x 8mm Georgian, 25 x 8mm Georgian, 16 x 6mm Colonial, 8 x 6mm Narrow Colonial and 7mm Pencil Aluminum Grills in standard white or custom painted colors.</p>	
Weather Stripping	Sash	Double Interior coextruded compression bulb seals.
		Continuous at corners fibre pile with an integrated single plastic fin seal.
SDL	<p>Simulated Divided Lite: 25.4mm Exterior Standard contoured extrusion and a 50.8mm False Mullion in Contemporary styles.</p>	

<b>Reinforcement Options</b>	For Muller, 3 x 1/8" (76.2mm x 3.2mm) or 4 x 1/8" (101.6mm x 3.2mm) Galvanized Steel.		
	For T-Post - "U" Shaped 14 Gauge Galvanized Steel.		
	For Sash - "L" shaped 16 Gauge Galvanized Steel.		
<b>Accessories</b>	Interior	Standard 3/4" (19.5mm) and 1/2" (12.7mm) Drywall return with or without J-Cap.	
	Exterior	Brickmould on all four sides or three sides with a sloped Subsill. Brickmould sizes in 4" (101.6mm), 2" (50.8mm), 1-1/2" (38.1mm) and 1-1/4" (31.75mm). Also available is a 46mm Sill Extension.	
<b>Screens</b>	Rigid aluminum overlap bar frame assembled with PVC corners. Screen removable from interior. 16 x 18 Mesh Fibreglass screen cloth, ASTM E1748 compliant with spring loaded bottom corners for ease of removal.		
<b>Paint</b>	This High Performance Paint system is designed for rigid uPVC and is offered in a wide variety of colors that can be formulated to meet customers specifications. This paint features superior abrasion and chalking resistance as well as excellent protection from salt exposure, industrial pollutants and acts as an efficient heat barrier that prevents substrates from warping. This product meets AAMA Specification 615-02 and is supported with a 10 year Guarantee.		
<b>Hardware: all Hardware meets AAMA 901 (Load), AAMA 904 (Wear) and AAMA 907 (Corrosion) specifications</b>	Operators	<ul style="list-style-type: none"> <li>• A face-mounted scissor operator is designed to provide positive control of the sash in any position, while producing a secure pull-in of the window at its' corners. An 8" Maxi Case Arm operator is used for window frame sizes less than 18" and a 15" Scissor Arm Operator is used for windows over 18".</li> </ul>	
		<ul style="list-style-type: none"> <li>• Optimal design gear ratio for smooth operation of large Sashes. Two directional fixing design and pre-fitted foam gasket for maximum air/water performance. Multiple fixing locations for greater mounting flexibility with convenient snap-on covers.</li> </ul>	
	Two Single Point Locking Mechanisms	Self locating guides and adjustable mushroom-head corrosion resistant stainless steel roller pins to ensure smooth operation and allow the user to adjust seal compression.	
		Specifications	<ul style="list-style-type: none"> <li>• 46 mm (1.8") of lock bar travel for secure multi-point locking and enables progressive locking action.</li> </ul>
			<ul style="list-style-type: none"> <li>• 227 kg (500 lbs) load per locking point, allowing specification into hurricane impact applications.</li> </ul>
	Double Bar Hinges, Left and Right	<ul style="list-style-type: none"> <li>• Lockpin adjustment <math>\pm</math> 1mm.</li> </ul>	
		<ul style="list-style-type: none"> <li>• Adjustment feature allows for convenient sash alignment with window open or closed.</li> </ul>	
<ul style="list-style-type: none"> <li>• Stainless Steel reinforced slide shoe.</li> </ul>			
<ul style="list-style-type: none"> <li>• Optional Safety Restrictors to limit travel.</li> </ul>			
Snubbers	<ul style="list-style-type: none"> <li>• Available in Stainless Steel for: - 14" for Awning frame Height sizes up to 28" - 22" for Awning frame Height sizes from 28" - 36" - 26" for Awning frame Height sizes over 36"</li> </ul> <p>Fabricated corrosion resistant Stainless Steel to reduce profile bow when subjected to negative wind loads.</p>		

# Structural Performance Ratings in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-08 and -11 'NAFS' with the Canadian Supplement A440S1-09

Test Report Summary:		NAFS
	<b>Primary Designator:</b> Class LC-PG60-C Size tested 1220 x 1015 mm (48 x 40 in.) <b>Secondary Designators:</b> Positive Design Pressure (DP) = 2880 Pa (60.0 psf) Negative Design Pressure (DP) = -2880 Pa (-60.0 psf) Water Penetration Resistance test pressure = 730 Pa (15.0 psf) Canadian Air Infiltration/Exfiltration level = A3 Level	
<b>Equivalent CAN/CSA A440-00 Standard Ratings: A3 / B7 / C4 / F20 / S1</b> (for information only)		
<b>Plus Various Mullered oversize configurations:</b> Voluntary best practices for NAFS labelling of Composite (T-Post) and Combination Assembly fenestration products having vertical and/or horizontal mullions for Canadian jurisdictions that have adopted the 2015 National Building Code of Canada (NBCC) or a provincial building code based on the 2015 NBCC. Analysis and evaluations are performed in accordance with AAMA 450 and AAMA 2502 and supported in Tributary Width and Height analysis.		
Contact the Global Windows and Doors Customer Support for NAFS structural details on models larger than the 'Size Tested' shown above. (toll free 1-877-675-5500)		
<b>AAMA 450 and AAMA 2502 Model Configurations:</b>	<b>NAFS Structural Comparative Analysis Performance Ratings for:</b> Single Lite Casement, Mullered Combination and Composite Design Pressures (DP) and Performance Grades (PG) calculated ratings for configurations with 2, 3, 4 and 5 Lites. Available for rectangular, architectural shaped and curved transoms as well as Bay and Bow designs.	



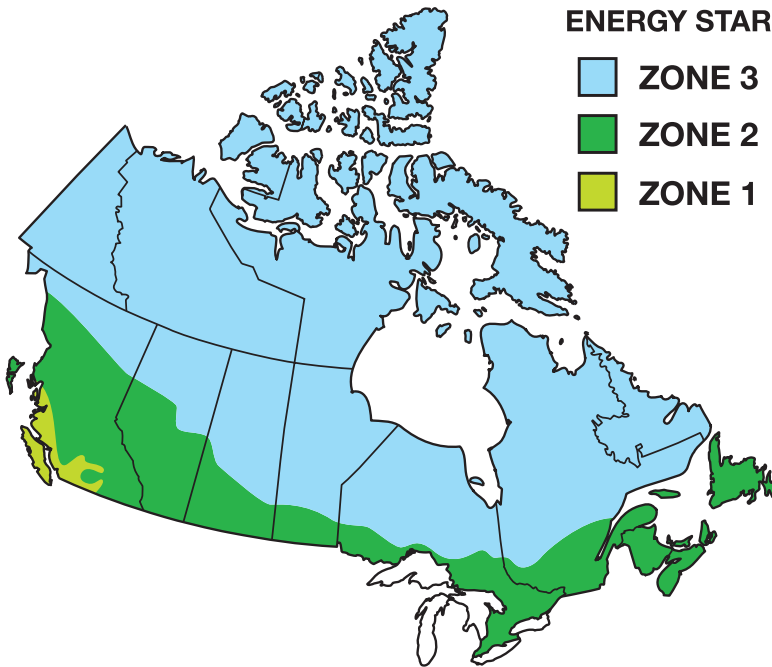
## Sizes tested for the AAMA 450 and AAMA 2502 Performance rating methods.

Note: R = Reinforcement, C = Casement, P = Picture Window, F = Fixed Casement

Test Report	Product	Size Tested	NAFS Designators for Class, Positive and Negative Design Pressure	Water Penetration	Air Inf/Exf
AI-04490-A1	4-1/2 and 3-1/4 Awning - HD	1220 x 1015 mm (48 x 40 in)	Data Specific for model sizes.	730 Pa (15.0 psf)	A3
AI-04490-A1	4-1/2 and 3-1/4 Awning	1220 x 1015 mm (48 x 40 in)		730 Pa (15.0 psf)	A3
AI-03741-G1	4-1/2 and 3-1/4 Awning	1200 x 800 mm (47 x 32 in)		730 Pa (15.0 psf)	A3

# Energy Performance Ratings in accordance with CSA A440.2 - 2014

AAMA/WDMA/CSA 101/I.S.2/A440-08 (NAFS) INFILTRATION air leakage L/s*m2	VT - Visible transmittance 0 to 0.99	U-factor W/m2·K	SHGC - solar heat gain coefficient 0 to 0.99	ER - Energy Rating	Canada ENERGY STAR February 1, 2015 - qualification zone(s)
Low E & Argon (no Grills), Dual Glazed IG's					
0.02	0.52	1.58	0.45	31	1/2
Low E & Argon (with Grills), Dual Glazed IG's					
0.02	0.47	1.58	0.41	29	1/2
Low E & Argon (no Grills), Triple Glazed IG's					
0.0	0.47	1.13	0.38	37	1/2/3
Low E & Argon (with Grills), Triple Glazed IG's					
0.0	0.42	1.13	0.34	35	1/2/3

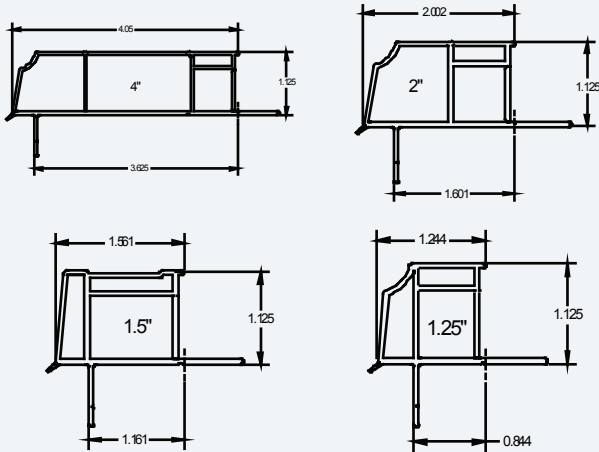


## Energy Star - Canada Qualification Criteria for Windows and Doors after February 1, 2015

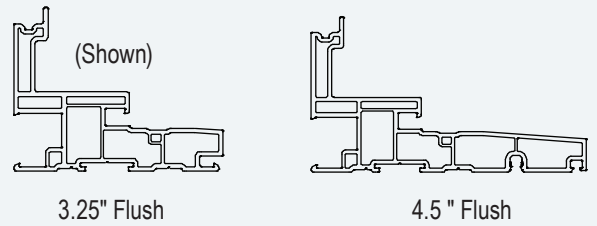
Compliance Paths				
Zone	Heating degree-day range	Minimum Energy Rating (Unitless)	or	Maximum U-factor W/m <sup>2</sup> ·K (Btu/h.sq.ft.°F)
1	<3.500	25	or	1.60 (0.28)
2	3.500 to 6.00	29	or	1.40 (0.25)
3	≥ 6.00	34	or	1.20 (0.21)



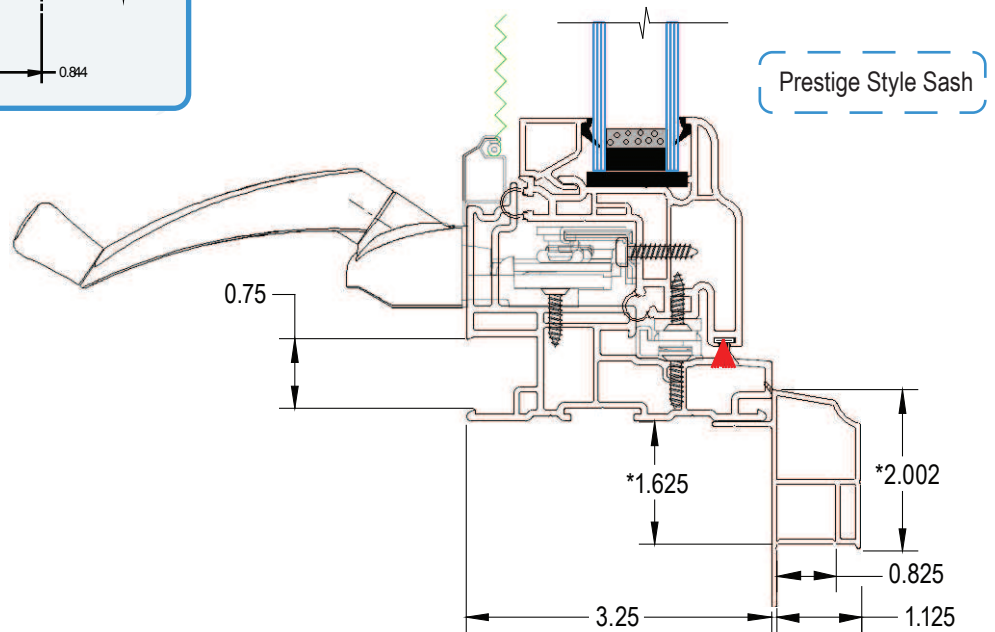
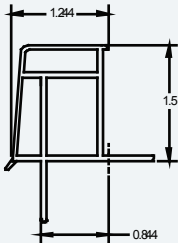
### Brickmould Options



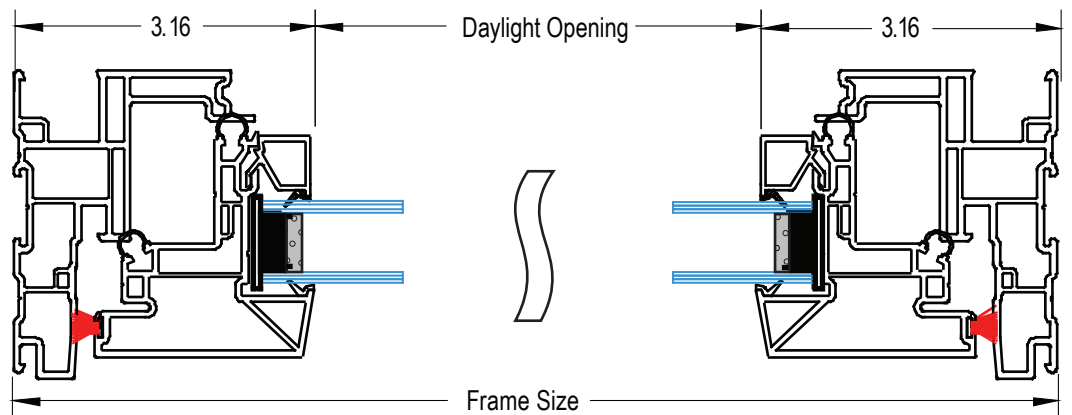
### Frame Options



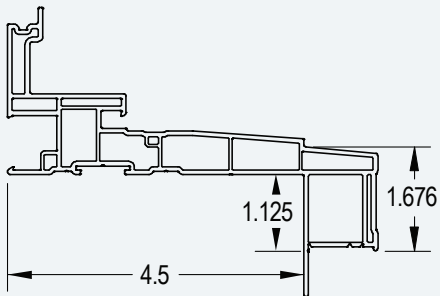
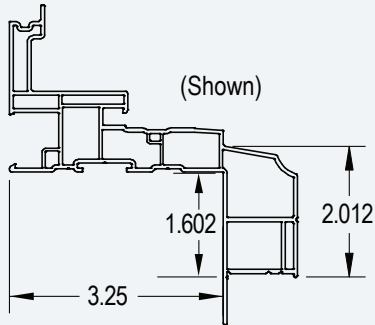
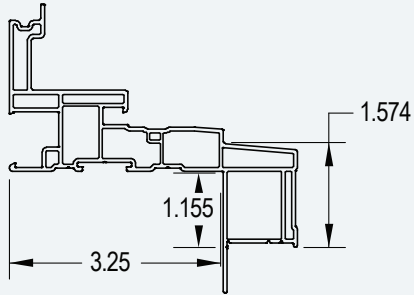
### Sloped Sill Option



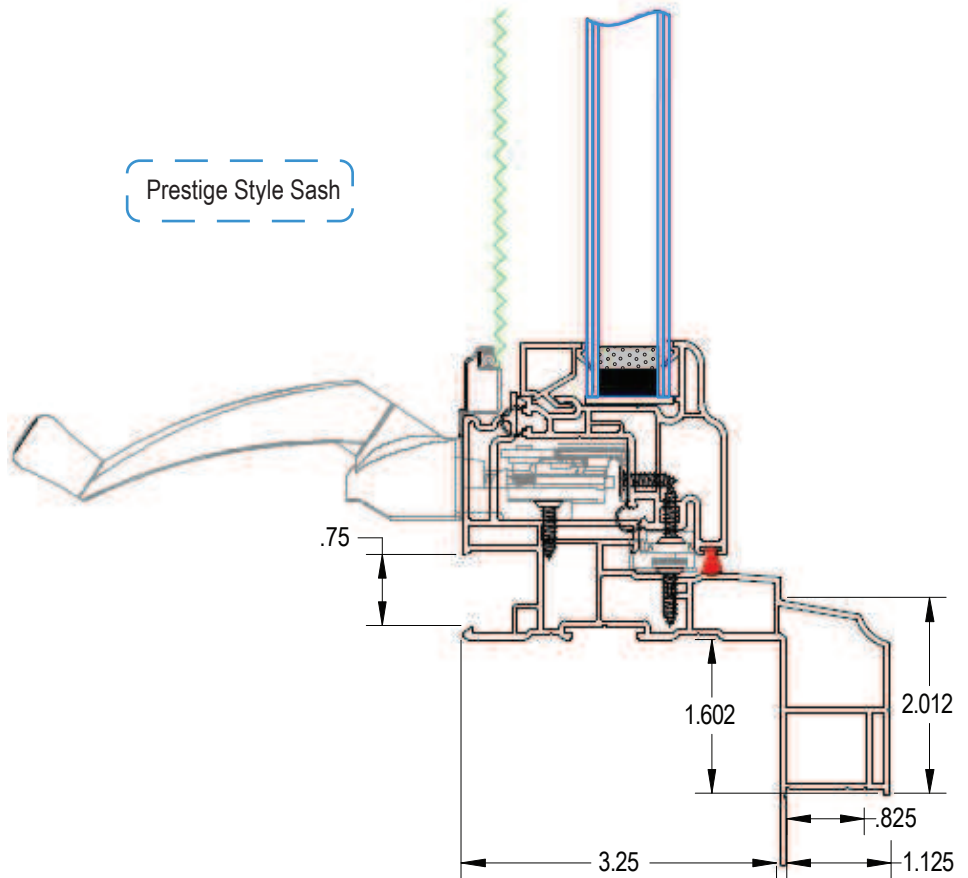
### Contemporary Style Sash



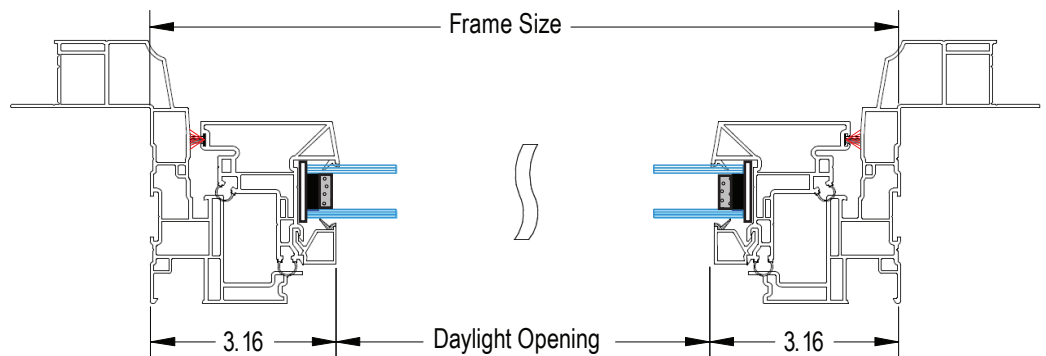
## Frame Options



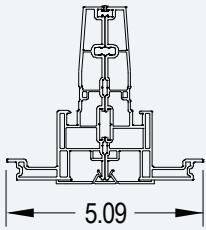
Prestige Style Sash



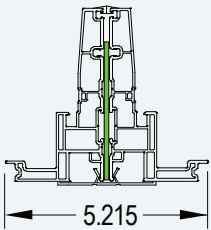
Contemporary Style Sash



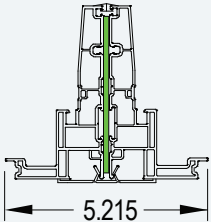
### 4 1/2" Flush Frame Option - 1/8" x 3" and 1/8" x 4"



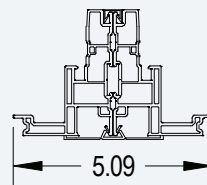
w/3" Rebar



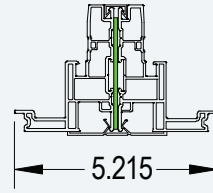
w/4" Rebar



### 3 1/4" Flush Frame Option - 1/8" x 3"

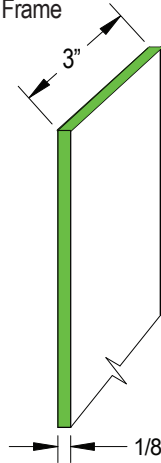


w/3" Rebar

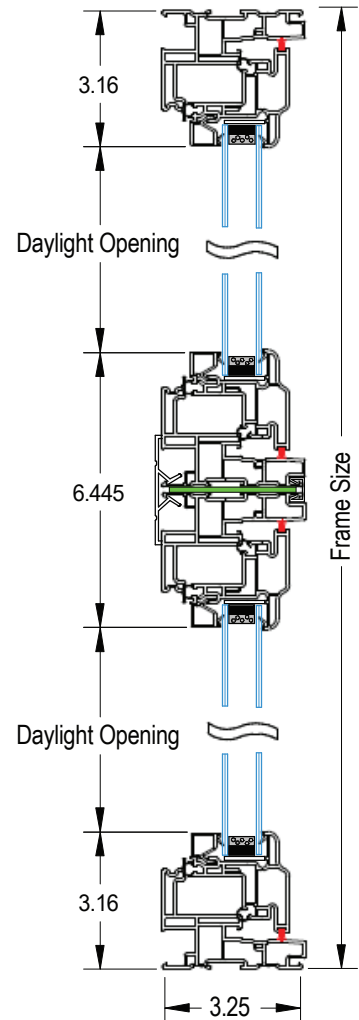
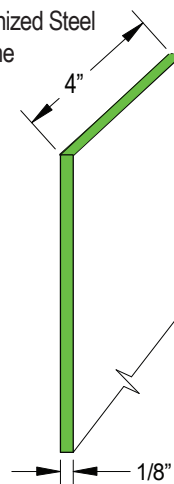


w/ 1/8" Reinforcement

3" x 1/8" Galvanized Steel  
with 3.25" Frame



4" x 1/8" Galvanized Steel  
with 3.25" Frame



## Frame Options

