Series 2700 Thermal
2" Heavy Commercial Projected Window

CONFIGURATIONS

Project-In • Project-Out • Casement In • Casement Out • Pivot • Fixed

Series 2700 retains an AAMA Architectural Grade rating to meet the most demanding specifications. Designed for educational, office or healthcare facilities, the 2700 window system is an attractive product for a wide range of applications. Multiple glazing options provide flexibility to meet specific design requirements. A thermal barrier in the frame and sash improves thermal performance, enhancing energy saving potential. Offered with a complete line of sub frames, mullions and architectural sills, the 2700 window provides the complete solution for your fenestration needs

Features	Benefits
E-Strut™ thermal isolator (2700 only) (Perimeter Frame)	Completely eliminates dry shrinkage Enhances energy savings potential Improves U-Factor performance
Vertical or horizontal stacking members	Increases configuration options
Angle reinforced vent corners	Improves sash/vent rigidity
Dual glazing with optional integral blinds	Improved energy savings and interior light or privacy control with low maintenance
Pressure equalization	Superior water resistance
Wide variety of locking and operating hardware available	Permits hardware options to address specific requirements
Screen frames of extruded aluminum alloy are available	Stronger, more durable screens
Anodized and painted finishes available	Multiple options to answer economic and aesthetic concerns
Accessory line of subframes, mullions, and architectural sills	Allows custom designs with standard product

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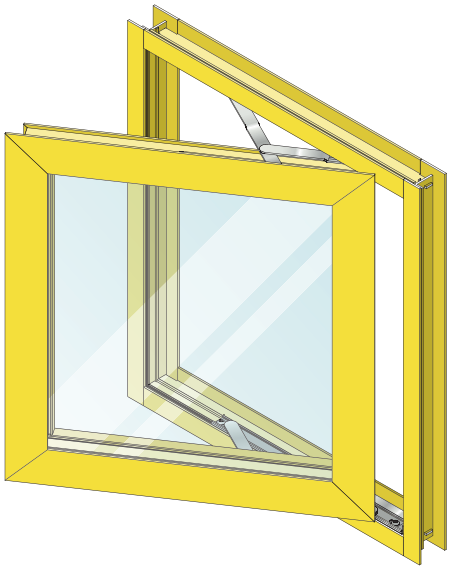

PERFORMANCE DATA

FIXED ARCHITECTURAL GRADE

AAMA RATING AW-PG140
AIR INFILTRATION ..... <.10 CFM/SF @ 6.27 PSF
WATER ..... NO LEAKAGE @ 15.0 PSF
CRF-FRAME 54

PROJECTED ARCHITECTURAL GRADE

AAMA RATING AW-PG110
AIR INFILTRATION ..... <.10 CFM/SF @ 6.27 PSF
WATER ..... NO LEAKAGE @ 15.0 PSF
CRF-FRAME 53

CASEMENT ARCHITECTURAL GRADE

AAMA RATING AW-PG110
AIR INFILTRATION ..... <.10 CFM/SF @ 6.27 PSF
WATER ..... NO LEAKAGE @ 12.0 PSF

Note: All performance value data is based on laboratory testing per AAMA 101/I.S.2/A440 for Air/Water/Structural, ASTM E90 and or E413 for Acoustical, AAMA 507 and or NFRC 100/200/500 for UFactors and AAMA 1503 for Condensation Resistance Factor (CRF). Printed values are subject to change pending the frequency of recertification testing. Field results will vary depending on size, the field test method, the addition of sub-frames, panning, mullions, accessories and installation into the surrounding condition.

**Note: Based on NFRC 100. Job specific performance ratings may vary due to differences in glass and glass spacer selection. If NFRC certified ratings are required, EFCO recommends requesting a CMA Bid Report at the bid stage from EFCO's Product Technical Support Group to ensure performance will meet project specifications*

2700 THERMAL U-FACTORS*		
CENTER OF GLASS U-FACTOR	CONFIGURATION AND SIZE	
	FX 47" X 59"	PO CSMT** 59" X 24"
0.48	0.54	0.63
0.36	0.44	0.56
0.30	0.39	0.52
0.24	0.34	0.48
0.20	0.31	0.46

* Based on NFRC 100
**NFRC Gateway size

S-2700 GLAZING CHART		GLASS OR PANEL															
		1/8"	.156"*	3/16"	.200"*	1/4"	1/4"**	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-1/2"	1-3/4"	2"
MONOLITHIC & INSULATED GLASS		A	A	A	A	A	A	A	A	A	A	A	A	A			
DUAL GLAZING	EXTERIOR LITE	I	I	I	I	I	I	I	A	A							
	INTERIOR LITE			A	A	A											

* Obscure glass thickness
** Laminated glass thickness

A - Available glazing option
I - Internal blinds can be used with this type of dual glazing
Blank - N/A

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Main Frame Construction
The frame is constructed from .125" nominal material wall thickness aluminum of 6063-T6 alloy with a depth of 2". An equal leg frame is standard. Corners are mortise and tenon construction, and back sealed with small-joint seam sealer. See Illustration 1.

Vent Frame Construction
The 2" deep vent consists of tubular aluminum members with .125" nominal material wall thickness of 6063-T6 alloy. Vent corners are mitered, angle reinforced, crimped, cold epoxy welded, and back sealed with small-joint seam sealer. See Illustration 2.

Weather Stripping
All vents are dual weather-stripped with a dual durometer Santoprene® gasket. The exterior gasket is intentionally omitted at the vent bottom rail for project-out vents and at the vent top rail for project-in vents, allowing air to pressure equalize the void between the vent and frame. Each vent utilizes the pressure equalization technique for superior water resistance. Two holes or slots per vent through the window frame facilitate weepage.

Screens
Screen frames are extruded 6063-T6 aluminum alloy. Full width hinged wickets or fully hinged screens are available. 18 x 16 mesh screens are available in fiberglass and .011" diameter aluminum. 18 x 18 mesh screens are available in .009" diameter stainless steel.

Thermal Barrier
All perimeter frames are thermally isolated with two thermal struts consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions. All vents and
intermediate rails are thermally improved using the latest technology in two-part, high density polyurethane. See Illustration 3.

Hardware
Locking cam handles, access controlled locks, and keepers are of cast white bronze with a US25D finish. 4-bar hinges are fabricated of stainless steel meeting AAMA 904.1 requirements. Butt hinges are fabricated from extruded aluminum of 6063-T6 alloy with stainless steel pins. Pivots are fabricated from extruded aluminum and stainless steel pins. See the Hardware Chart for available hardware types.

Glazing
Windows can be inside or outside glazed with an extruded aluminum, snap-in glazing bead. Glazing of 1/8" to 1-1/4" can be utilized. Dual glazing is also available in 1/8", 3/16" and 1/4" glass. Aluminum blinds between the glass are available with dual glazed windows. See the Glazing Chart for exact size.

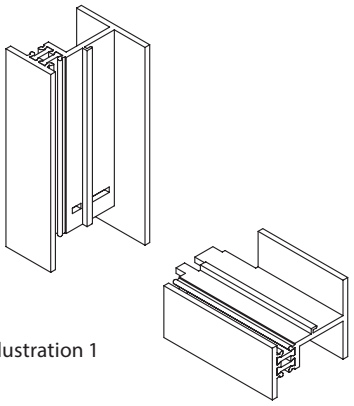

Illustration 1

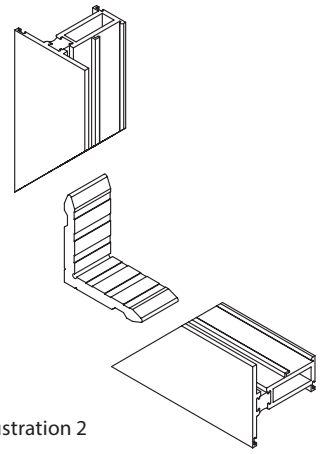

Illustration 2

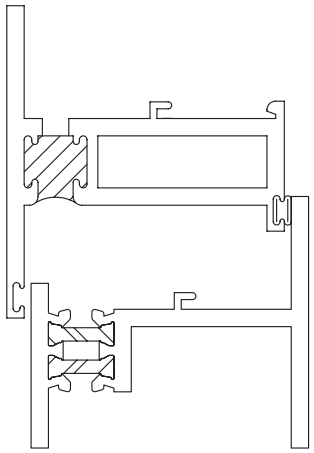

Illustration 3