

Series 3001 Thermal • Series 3900 Thermal 3 1/4" Heavy Commercial Sliding Glass Door



CONFIGURATIONS

XO • OX • OXXO • OXOR • OXOL • Fixed

Series 3001 retains an AAMA Heavy Commercial rating to meet the most demanding specifications. Designed for high-rise residential and condominiums, the 3001 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, series 3001 provides the complete solution for your fenestration needs.

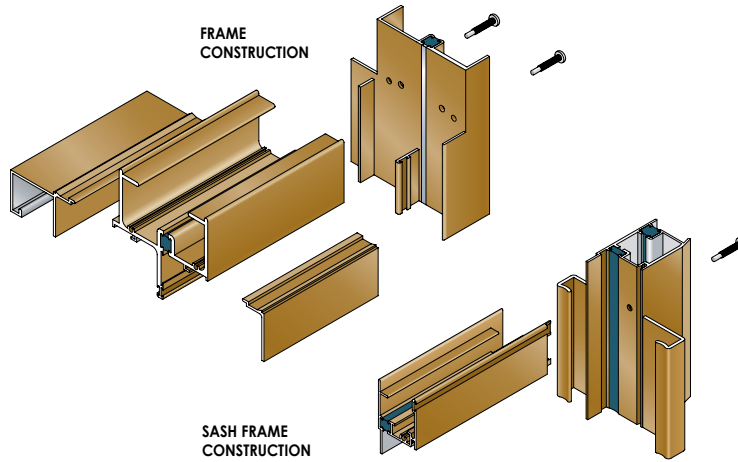
Features

Benefits

Thermal barrier in vent/sash and frame	Improves thermal performance Enhances energy saving potential
Heavy-duty meeting rails	Offers superior structural performance
Sash glides on adjustable tandem steel ball bearing rollers	Allows easier operation
Raised sill track	Minimizes the effects of debris and dirt buildup on the sill
Cam sash design and continuous interlock meeting rails	Yields superior air, water, and structural performance
Screens available	Ventilation
Heavy-duty screen door frames are extruded aluminum alloy with rollers at the head	Stronger, more durable screens Operation is not hindered by debris and dirt build-up on the sill
Accommodates glazing units of 1/4" and 1" in depth	Allows use of common glass thicknesses
Anodized or painted finishes available	Multiple options to answer economic and aesthetic concerns



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PERFORMANCE DATA

S-3001 SLIDING GLASS DOOR HEAVY COMMERCIAL

AAMA RATING	CW-PG70
AIR INFILTRATION	<.10 CFM/SF @ 6.24 PSF
WATER	NO LEAKAGE @ 15.0 PSF
STRUCTURAL	±105.0 PSF
CRF-FRAME	44
CRF-GLASS	59

S-3900 CORRESPONDING FIXED ARCHITECTURAL GRADE

AAMA RATING	AW-PG125
AIR INFILTRATION	<.06 CFM/SF @ 6.24 PSF
WATER	NO LEAKAGE @ 12.0 PSF
STRUCTURAL	±262.5 PSF
CRF-FRAME	63
CRF-GLASS	68

Note: All performance data is subject to change based on testing recertification and/or revised AAMA testing protocol. Please contact EFCO for latest performance values.

3001 THERMAL U-FACTORS*				
CENTER OF GLASS U-FACTOR	CONFIGURATION AND SIZE			
	XO** 79" X 79"	XO 88" X 96"	XO 96" X 108"	XO 144" X 108"
0.48	0.62	0.59	0.58	0.58
0.34	0.52	0.48	0.47	0.47
0.28	0.48	0.44	0.42	0.42
0.24	0.45	0.41	0.39	0.39
0.20	0.42	0.37	0.36	0.35

3900 THERMAL U-FACTORS*		
CENTER OF GLASS U-FACTOR	CONFIGURATION AND SIZE	
	FIXED** 47" X 59"	FIXED 60" X 108"
0.48	0.54	0.51
0.34	0.42	0.39
0.28	0.37	0.34
0.24	0.34	0.31
0.20	0.31	0.27

* Based on NFRC 100
**NFRC Gateway size

SERIES 3001 HARDWARE CHART	DEAD BOLT	INTERIOR THUMB TURN	INTERIOR AND EXTERIOR EXTRUDED PULL HANDLE	EXTERIOR CYLINDER LOCK W/ INTERIOR THUMB TURN	EXTERIOR & INTERIOR CYLINDER LOCKS	ADJUSTABLE ZINC PLATED STEEL BALL BEARING ROLLERS	ADJUSTABLE STAINLESS STEEL BALL BEARING ROLLERS
OPTION 1	S	S	S			O	S
OPTION 2	S		S	S		O	S
OPTION 3	S		S		S	O	S

O - Optional
S - Standard
Blank - N/A

S-3001 GLAZING CHART	POLYCARBONATE			GLASS OR PANEL																
	1/8"	3/16"	1/4"	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						

*-Obscure glass thickness
**-Laminated glass thickness

S-3900 GLAZING CHART	POLYCARBONATE			GLASS OR PANEL																
	1/8"	3/16"	1/4"	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	A	A		A	A	A	A	A											
	INTERIOR LITE	A	A		A	A	A	A												

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



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Frame Construction

The frames have a depth of 3 1/4" and are constructed of 6063-T6 aluminum alloy. Nominal material wall thickness for the frame is .080", and the sill has a minimum wall thickness of .125". Corners are of screw spline construction and sealed. See Illustration 1.

Sash Frame Construction

The sash consists of aluminum members with .062" nominal material wall thickness of 6063-T6 alloy. Corners are of screw spline construction and sealed. Single weather-stripped interlock at the sash meeting rail(s) is standard. This offers superior weathering and structural performance. See Illustration 2.

Weather Stripping

All sash are weather-stripped with TRIPLE FIN®.

Screens

Screen frames are extruded 6063-T6 aluminum alloy. 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

Sills 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 other frames and sash are thermally improved using the latest technology in two part, high density polyurethane. See Illustration 3.

Hardware

Standard locking hardware is Adams Rite® dead lock. The sash glides on a pair of tandem rollers over a raised sill track, minimizing the effects of dust and dirt build-up. See Hardware Chart for available hardware types and more information.

Glazing

Doors are glazed with an extruded aluminum snap-in glazing bead. Glazings of 1/4" or 1" are accommodated.

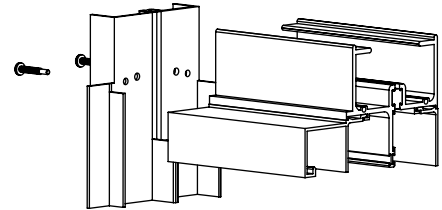


Illustration 1

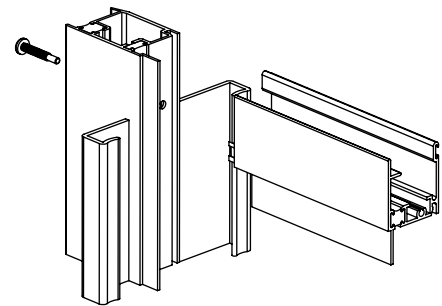


Illustration 2

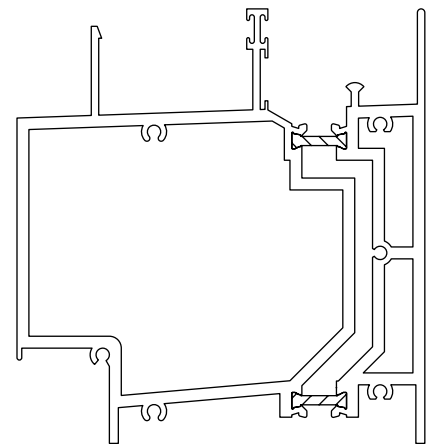


Illustration 3

