

Series 3015 Thermal • Series 3017 Thermal Fixed 4 1/2" Heavy Commercial Sliding Glass Door



CONFIGURATIONS

XO • OX • OXXO • OXOR • OXOL • Fixed

The Series 3015 retains an AAMA Heavy Commercial and Architectural grade rating to meet the most demanding specifications. This series is designed for high-rise residential and condominiums, making the 3015 an attractive product for a wide range of applications where security, thermal performance, and dual finish capability is required. Multiple glazing options provide flexibility to meet specific design requirements. E-Strut™ thermal isolators provide outstanding thermal performance, enhancing energy saving potential. Series 3015 sliding glass door provides the complete solution for your fenestration needs.

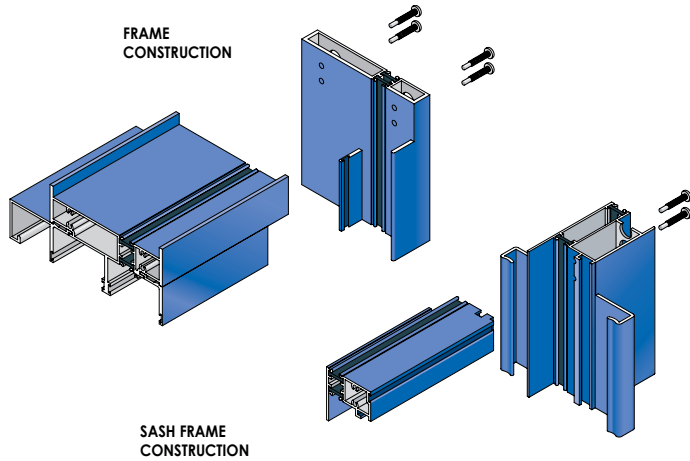
Features

Benefits

E-Strut™ thermal isolator	Improves U-Value performance Dual finish capability Completely eliminates dry shrinkage
Heavy-duty meeting rails	Offers superior structural performance
Cam sash design and continuous interlock meeting rails	Yields superior air, water, and 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
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
Glazing depths of 1/4" or 1" are accommodated	Allows 1" insulating units
Anodized or painted finishes available	Multiple options make your design project more expressive



Series 3015 Thermal • Series 3017 Thermal Fixed 4 1/2" Heavy Commercial Sliding Glass Door



PERFORMANCE DATA

S-3015 SLIDING GLASS DOOR HEAVY COMMERCIAL

AAMA RATING (NAFS-02)	SGD-HC90
AIR INFILTRATION	<.10 CFM/SF @ 6.24 PSF
WATER	NO LEAKAGE @ 12.0 PSF
STRUCTURAL	±135.0 PSF
CRF-FRAME (1503.1)	49°
CRF-GLASS (1503.1)	52°

S-3015 SLIDING GLASS DOOR ARCHITECTURAL GRADE

AAMA RATING (NAFS-02)	SGD-AW55
AIR INFILTRATION	13 CFM/SF @ 6.24 PSF
WATER	NO LEAKAGE @ 12.0 PSF
STRUCTURAL	±82.5 PSF
CRF-FRAME (1503.1)	49°
CRF-GLASS (1503.1)	52°

A = Estimated values and/or designations
 B = Non-standard size or configuration
 C = Dual glazed
 D = 1" Insulated - 1/4" clear, 1/2" air, 1/4" clear
 E = 1" Insulated - 1/4" clear (Low Emissivity), 1/2" air, 1/4" clear
 F = 1" Insulated - 1/4" clear (Low Emissivity), 1/2" argon, 1/4" clear
 G = 1" Insulated - 1/4" clear, 1/2" air, 1/4" clear (Low Emissivity)

S-3017 CORRESPONDING FIXED WINDOW HEAVY COMMERCIAL

AAMA RATING (101-97)	F-HC80A
AIR INFILTRATION	<.06 CFM/SF @ 6.24 PSFA
WATER	NO LEAKAGE @ 12.0 PSFA
STRUCTURAL	±120.0 PSFA
CRF-FRAME (1503-98)	68 ^{A, D}
CRF-GLASS (1503-98)	59 ^{A, D}
U-VALUE (1503-98)	61 ^{A, D}

3015 THERMAL U-FACTORS*				
CENTER OF GLASS U-FACTOR	CONFIGURATION AND SIZE			
	XO** 79" X 79"	XO 88" X 96"	XO 96" X 108"	OXO 144" X 108"
0.48	0.63	0.60	0.59	0.59
0.34	0.53	0.49	0.48	0.48
0.28	0.49	0.45	0.43	0.43
0.24	0.46	0.42	0.40	0.40
0.20	0.43	0.38	0.36	0.36

* Based on NFRC 100
 **NFRC Gateway size

SERIES 3015 HARDWARE CHART	STAINLESS STEEL DEAD BOLT	INTERIOR THUMB TURN	INTERIOR AND EXTERIOR EXTRUDED PULL HANDLE	EXTERIOR CYLINDER LOCK W/ INTERIOR THUMB TURN	STAINLESS STEEL ROLLER TRACK COVER	ADJUSTABLE STAINLESS STEEL BALL BEARING ROLLERS
	DOOR HARDWARE	S	S	S	O	S

O -Optional
 S -Standard
 Blank - N/A

S-3015 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

A-available glazing option
 Blank - N/A

FIXED S-3017 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						



Series 3015 Thermal • Series 3017 Thermal Fixed 4 1/2" Heavy Commercial Sliding Glass Door

Frame Construction

The frames have a depth of 4 1/2" and are constructed of 6063-T6 aluminum alloy. Nominal material wall thickness for the frame is .080". Corners are of screw spline construction and sealed. See Illustration 1.

Sash Frame Construction

The sash consists of tubular aluminum members with .080" nominal material wall thickness of 6063-T6 alloy. Corners are of screw spline construction and sealed. Weather-stripped interlock at the sash meeting rail(s) is standard. This offers superior weathering and structural performance. See Illustration 2.

Thermal Barrier

All frames and vents are thermally isolated with two thermal struts consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions. See Illustration 3.

Weather Stripping

All sash are weather-stripped with TRIPLE FIN™.

Screens

Screen frames are extruded 6063-T6 aluminum alloy with lock. 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.

Hardware

The standard locking hardware is Sash Controls™ 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 and drive-in wedge gasket. Glazings of 1/4" or 1" are accommodated. 3017 fixed frames glaze with 1/2" or 1" infill.

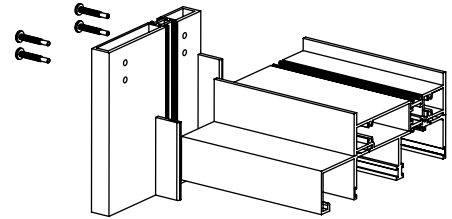


Illustration 1

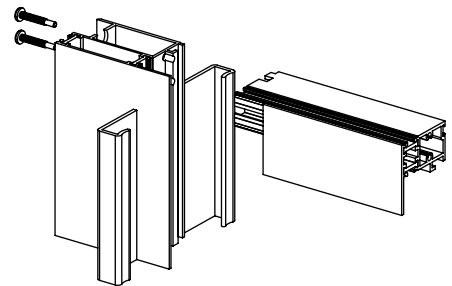


Illustration 2

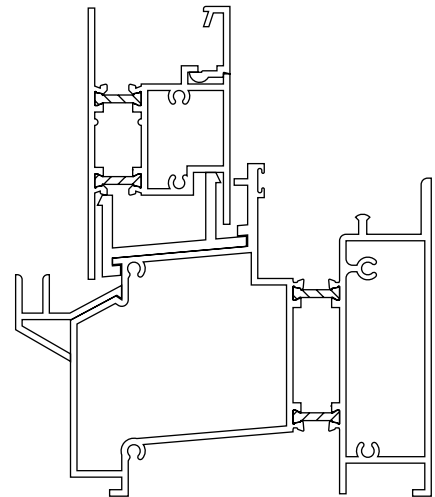
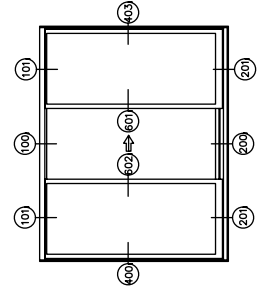
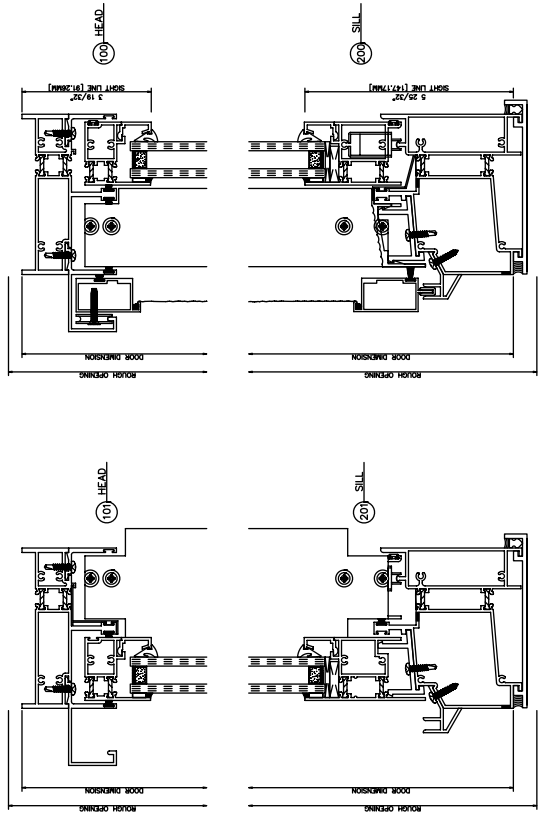
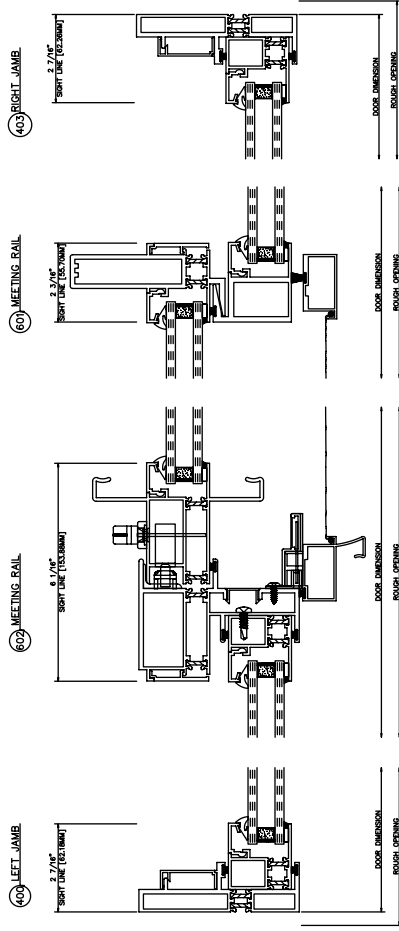
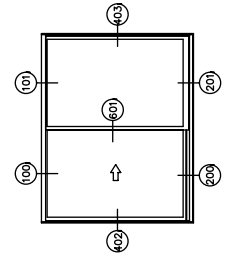
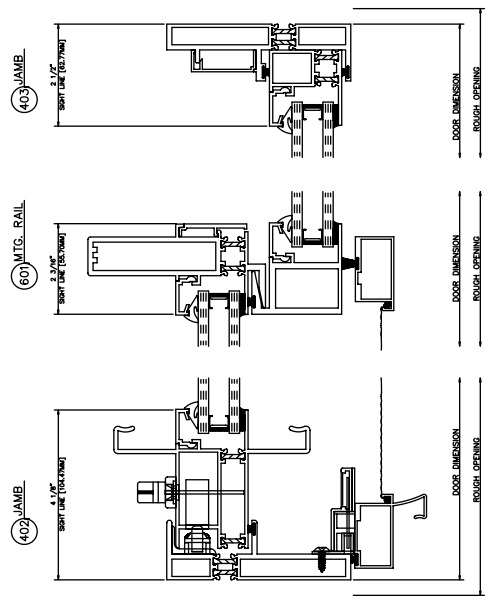
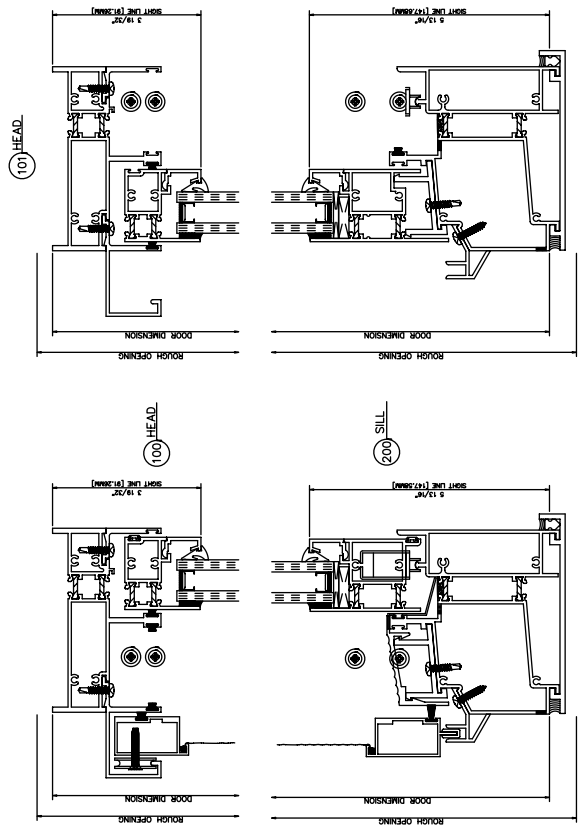


Illustration 3

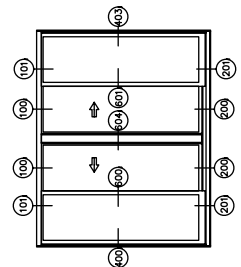
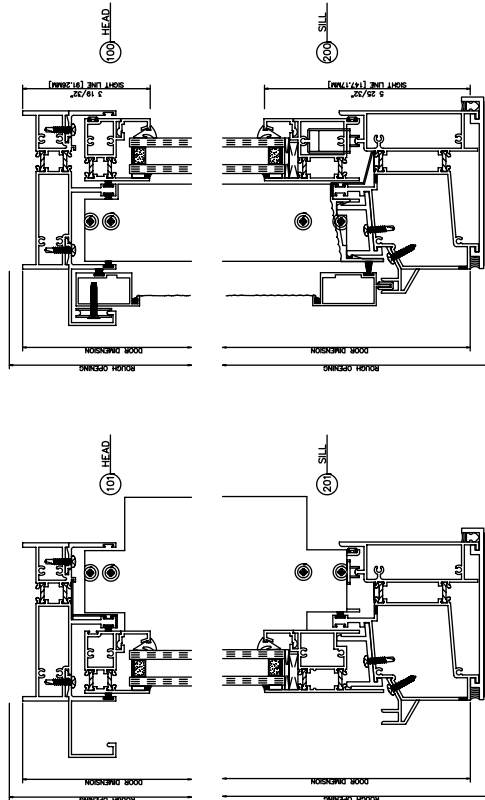
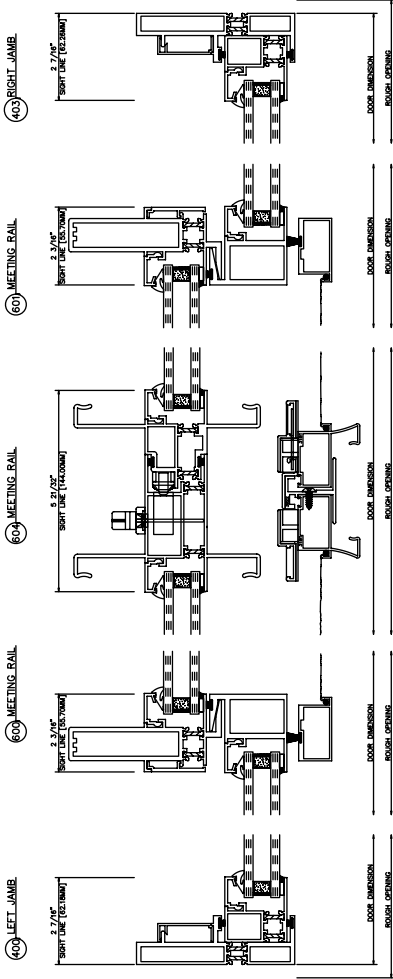




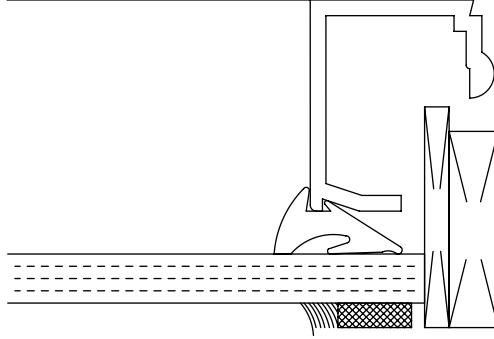
3015 OXO
Inside Glazed



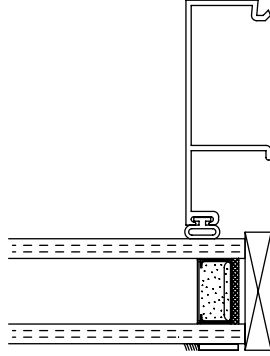
3015 XO
Inside Glazed



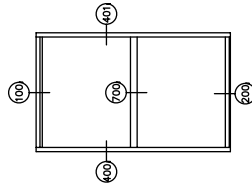
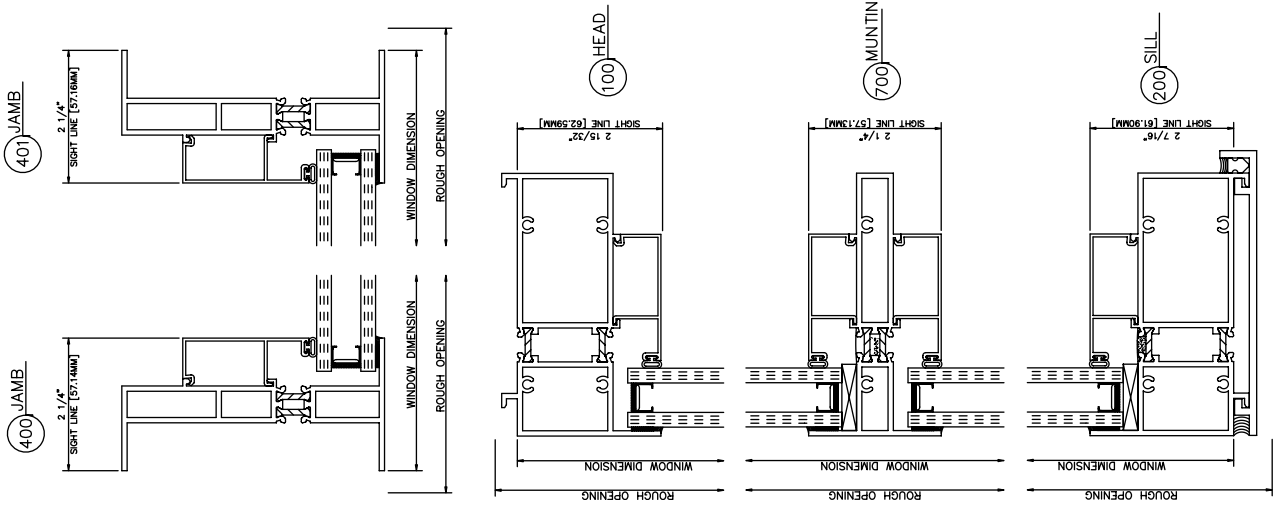
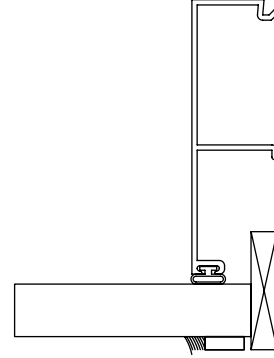
1/4"
MONOLITHIC



1" INSULATED
3/16" - 3/16"



1/2" OPEN
GLAZE



3017 Fixed
Inside Glazed

3017 Glazing