E F C O  C O R P O R A T I O N

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# *Series 3001 Thermal • Series 3900 Thermal*
# *3 ¼" Heavy Commercial Sliding Glass Door*

Manufacturer Of Architectural And Commercial Grade Windows, Curtain Walls, Entrances, And Storefronts

EFCO CORPORATION
1000 COUNTY RD
MONETT, MO 65708
800.221.4169

***Configurations*** XO • OX • OXXO • OXOR • OXOL • Fixed

Series 3001 retains an AAMA Heavy Commercial and Architectural Grade 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<br>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<br>Operation is not hindered by debris and dirt build-up on the sill |
| Accommodates glazing units of ¼" and 1" in depth | Allows use of common glass thicknesses |
| Anodized or painted finishes available | Unlimited options to answer economic and aesthetic concerns |

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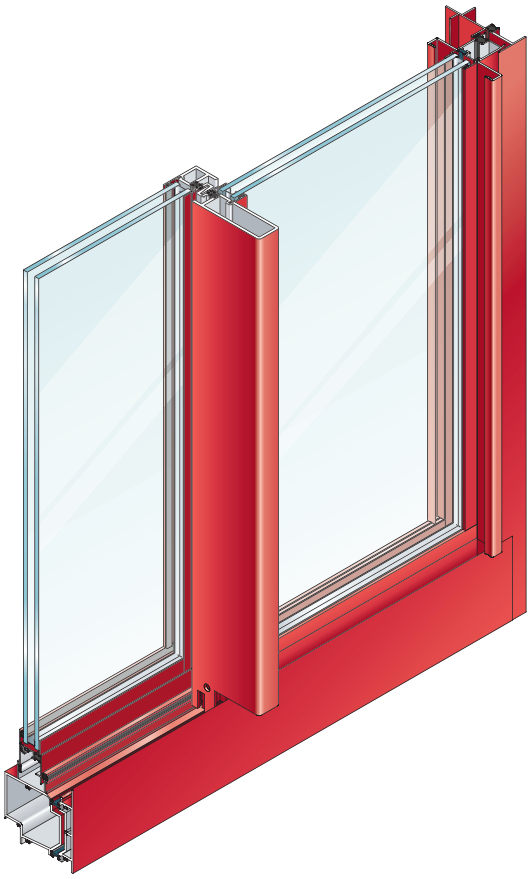
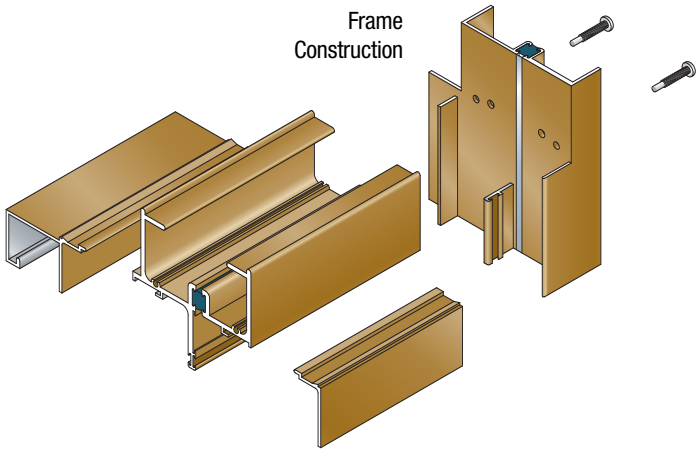
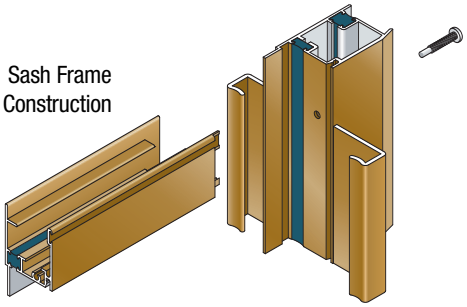
# 3 ¼" Heavy Commercial Sliding Glass Door



Frame Construction



Sash Frame Construction



## Performance Data

### S-3001 Sliding Glass Door Heavy Commercial

| | |
|---|---|
| AAMA Rating (NAFS-02) | SGD-HC60 |
| Air Infiltration | .10 cfm/sf @ 6.24 psf |
| Water | No Leakage @ 12.0 psf |
| Structural | ±90.0 psf |
| CRF-Frame (1503-98) | 47[A, D] |
| CRF-Glass (1503-98) | 59[A, D] |
| U-Value (1503-98) | .61[A, D] |

### S-3900 Corresponding Fixed Architectural Grade

| | |
|---|---|
| AAMA Rating (A440-50) | F-AW75 |
| Air Infiltration | <.06 cfm/sf @ 6.24 psf |
| Water | No Leakage @ 15.0 psf |
| Structural | ±112.5 psf |
| CRF-Frame (1503.1) | 62[D] |
| CRF-Glass (1503.1) | 54[D] |
| U-Value (1503.1) | .54[D] |

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)

| 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

A-Available Glazing Option
blank - N/A

| 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 | | | | | | | | | | | |

# *Series 3001 Thermal • Series 3900 Thermal*
# *3 ¼" Heavy Commercial Sliding Glass Door*

**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.

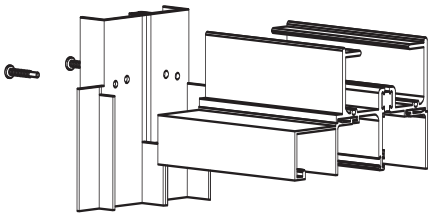


Illustration 1

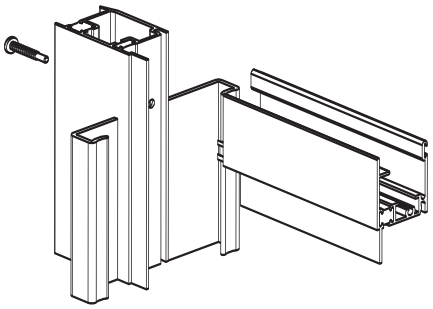


Illustration 2

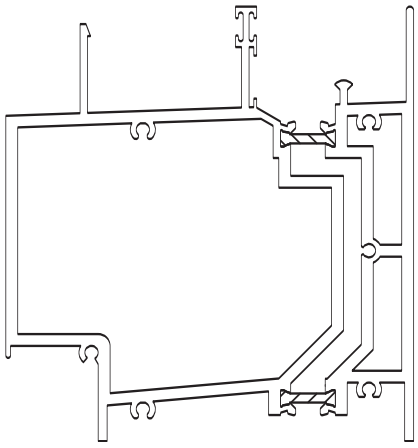
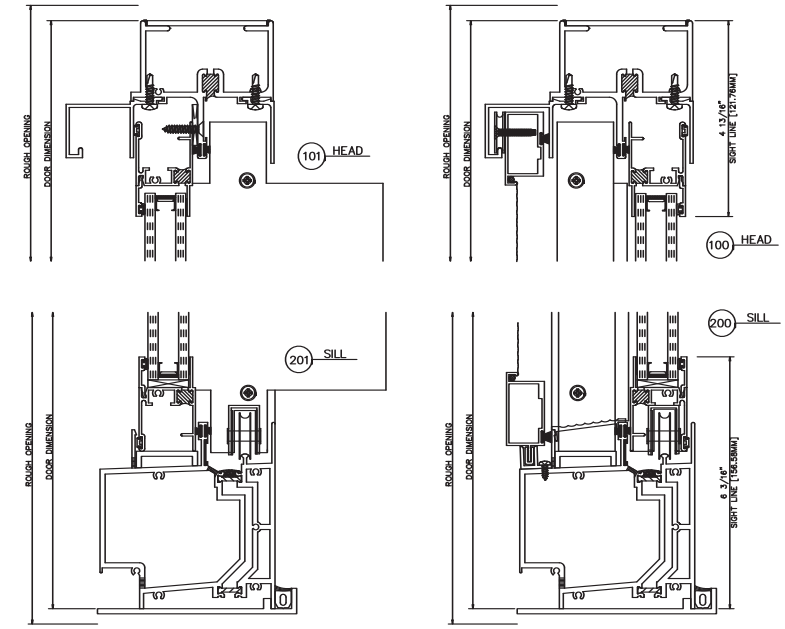
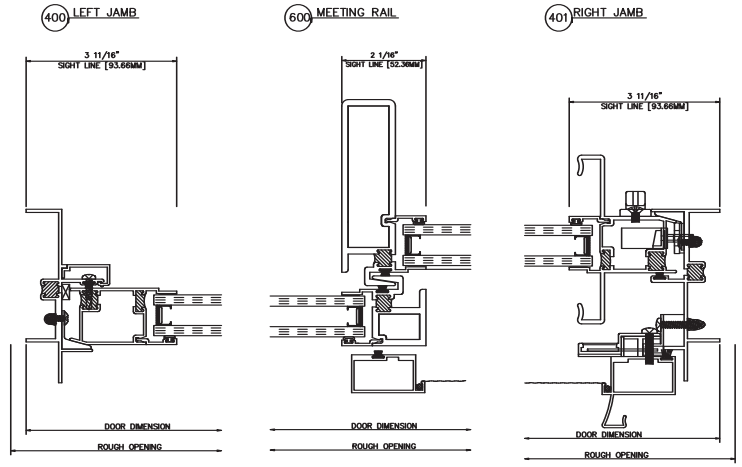
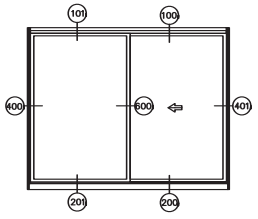


Illustration 3

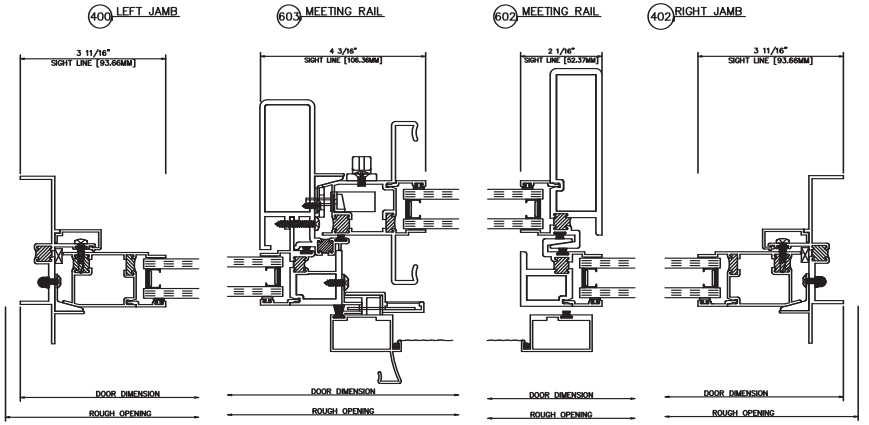


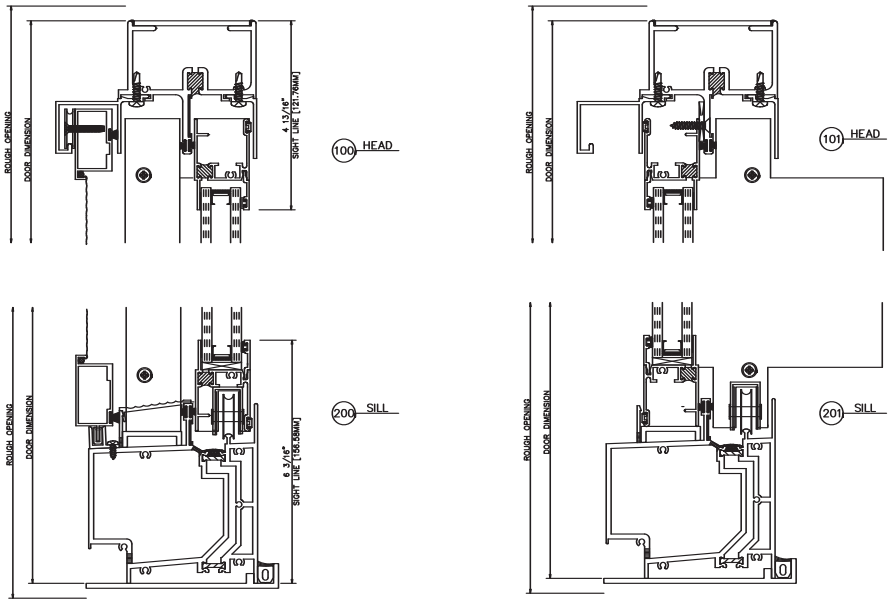



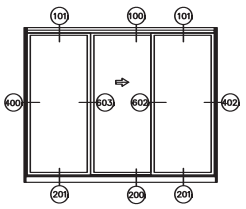




**3001 OX**

**Inside Glazed**



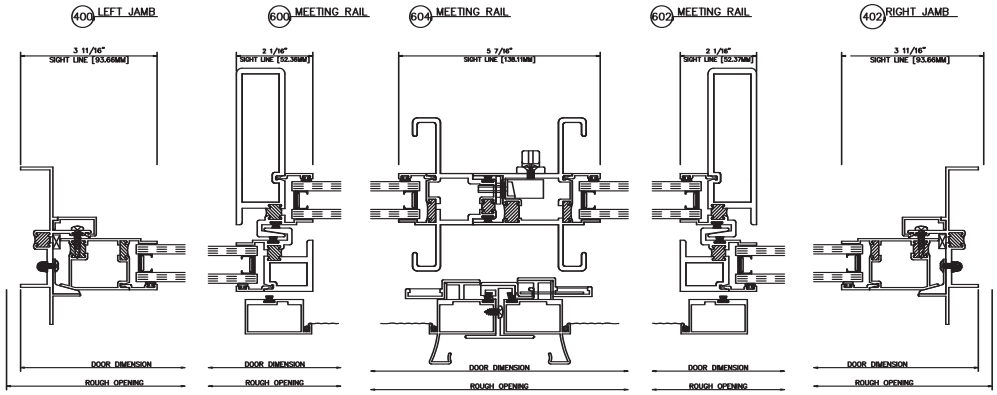



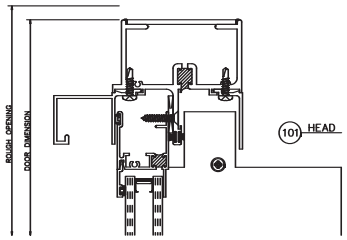

**3001 OXO**

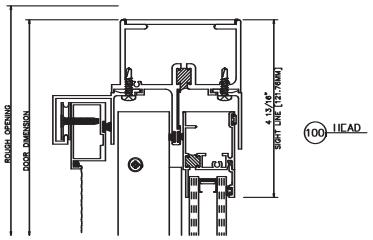
**Inside Glazed**

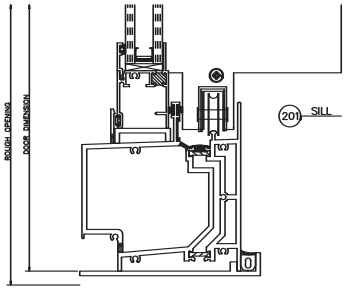
# 3001 OXXO

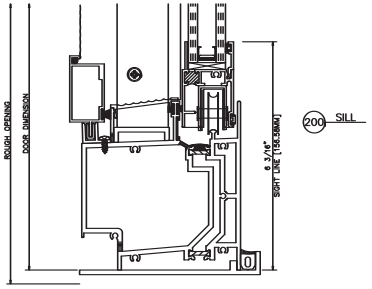
**Inside Glazed**

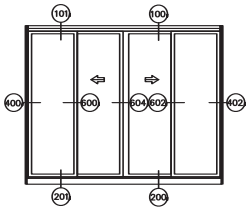



# 3001 Glazing

1/4”
MONOLITHIC