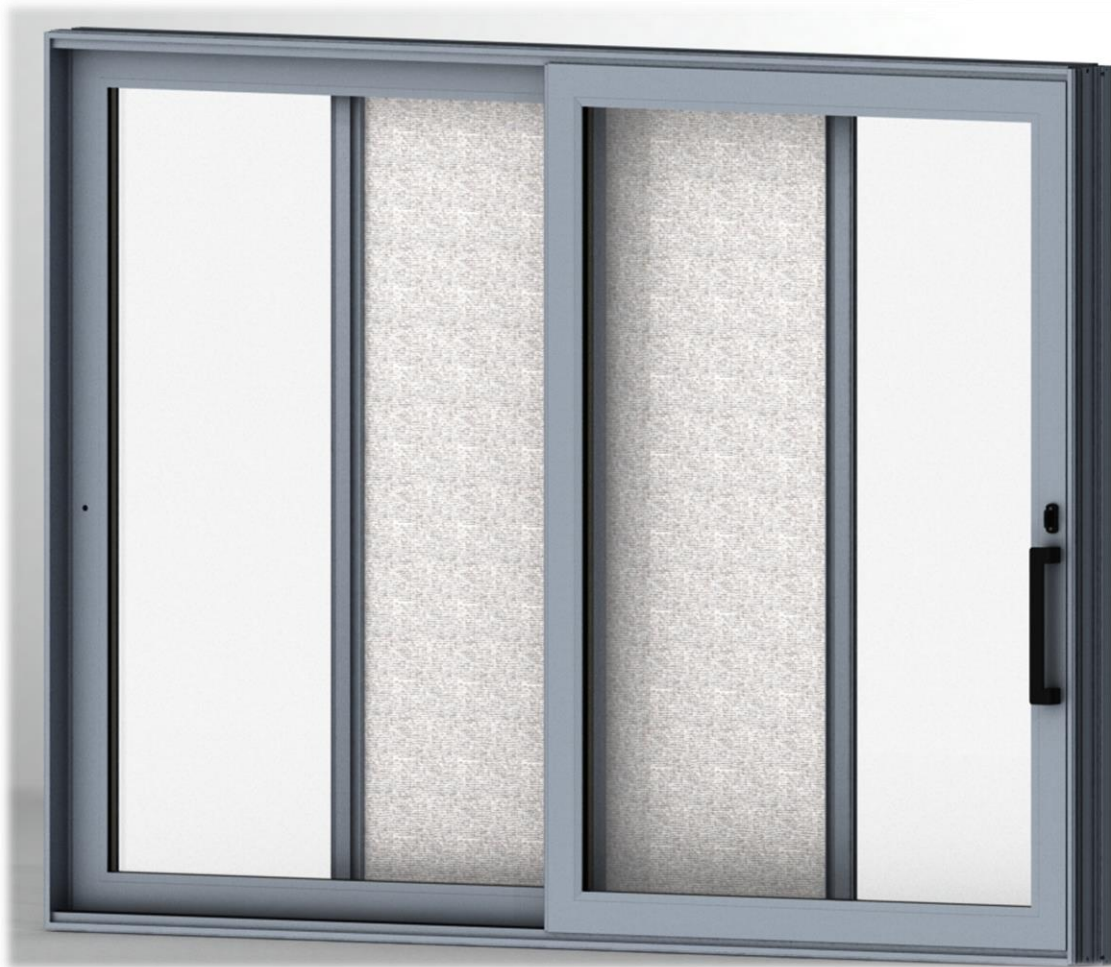




st. cloud window

390 Industrial Blvd.
Sauk Rapids, MN 56379
PH: 320-251-9311
PH: 1-800-383-9311

FIELD INSTALLATION INSTRUCTIONS SERIES 5000 SLIDING GLASS DOOR



Sliding Glass Door
Interior View Standard
Operator

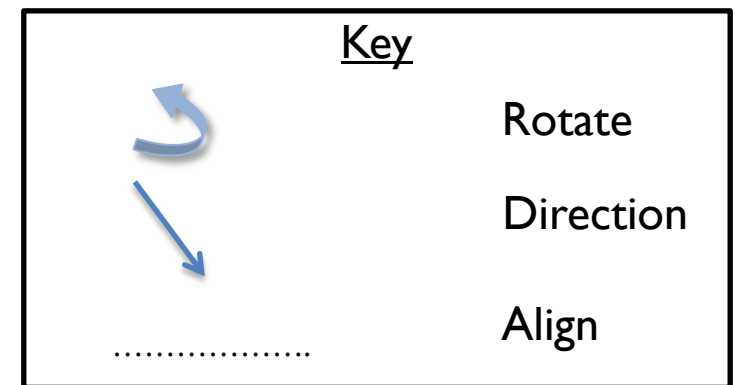
Tools Needed

- Level
- Drill
- Drill bits
- Phillips screwdriver
- 2.5mm Allen wrench
- 4mm Allen wrench
- Socket set/Wrench set
- Mallet or Hammer
- Tape measure
- Putty Knife
- Pencil
- Caulking Gun
- Glass Suction Cups

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NOTE: REVIEW ALL APPROVED SHOP DRAWINGS AND ALL DOCUMENTATION BEFORE INSTALLATION



ASTM E 2112-07 5.15.5

Standard Practice for Installation of Exterior Windows, Doors and Skylights

Note: Products shall not be racked more than 1/8 in. (3 mm) out of square for dimensions up to 4 ft. (1.3 m) or more than 3/16 in. (1.6 mm) for dimensions greater than 4 ft. (1.3 m).

Tolerance (+/-)	in./ft	In. Over 4 ft	In. max	Method of Measure
Squareness Fig. 1	1/64 in.	1/16 in.	1/16 in.	Steel rule or tape, string line, and level
True/rack Fig. 2	1/32 in.	1/8 in.	3/16 in.	Two strings across corners
Straightness Fig. 2 & 3	1/64 in.	1/16 in.	1/16 in.	Level or plumb line and steel rule or tape
Plumb Fig. 2	1/32 in.	1/8 in.	1/8 in.	Level or plumb line and steel rule
Level Fig. 3	1/32 in.	1/8 in.	1/8 in.	Level and steel rule

Fig. 1

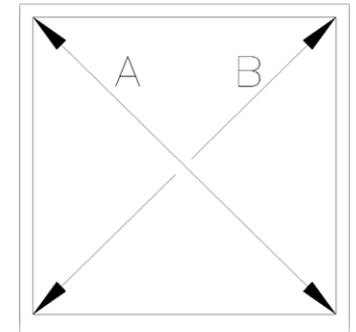


Fig. 2

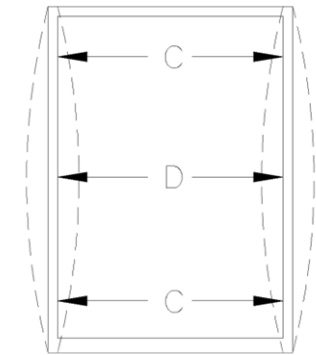
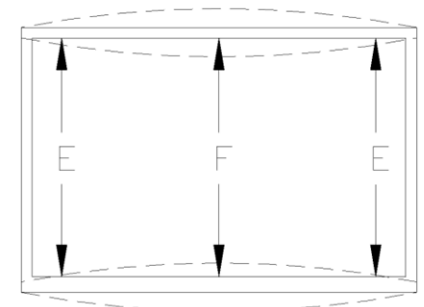


Fig. 3

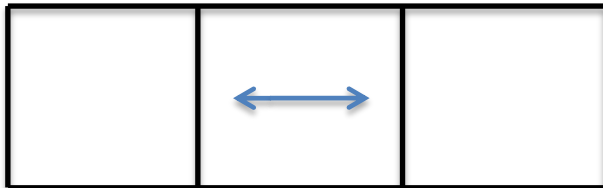




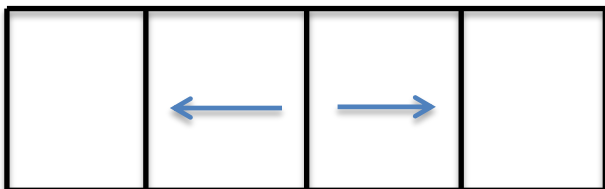
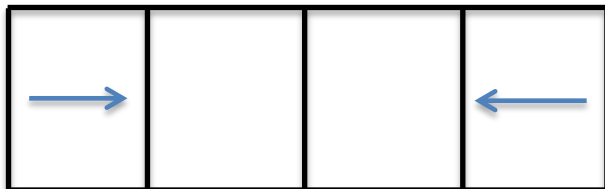
Panel Operation

1. Verify the panel is in the unlocked position.
2. Grasping crest handle, slide panel as shown for closing and opening.

Three Lite Operator



Four Lite Operator



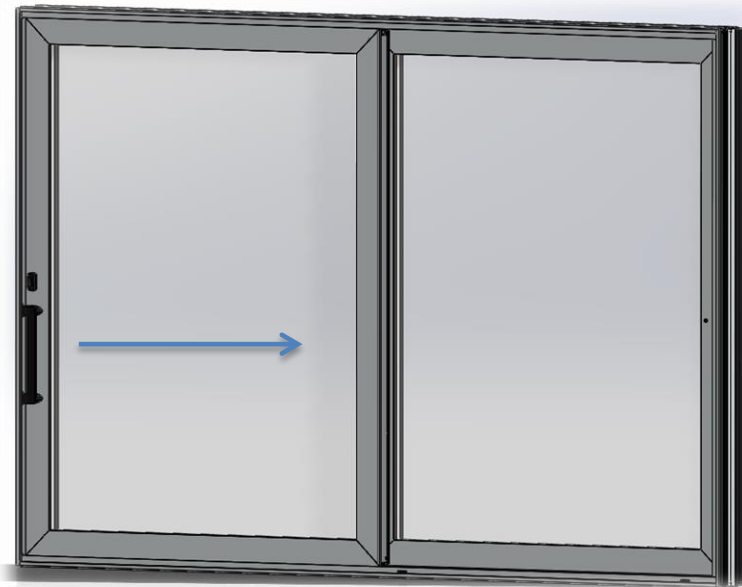
FIELD INSTALLATION INSTRUCTIONS SERIES 5000 SLIDING GLASS DOOR

Figure 1



Standard Operator

Figure 2



Reverse Operator

Frame Installation

Note: Inspect door before installing. If any damage has occurred, contact St. Cloud Window.

1. Coordinate location of products based on Approved Shop Drawings and window labels.
2. Verify sizes by measuring overall frame width and overall frame height.
3. Align shear blocks according to Approved Shop Drawings. Snap a line. Verify shear blocks are level and in a straight line.
4. Install shear blocks with approved anchors (Fig. 1). Adjust accordingly.
5. Set frame over shear blocks as shown (Fig. 2 & Fig. 3).
6. Center frame in opening (Fig. 4).

Figure 1

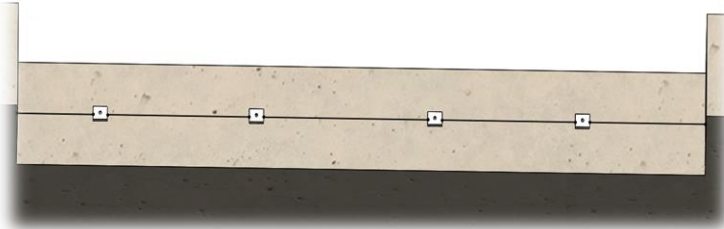


Figure 2

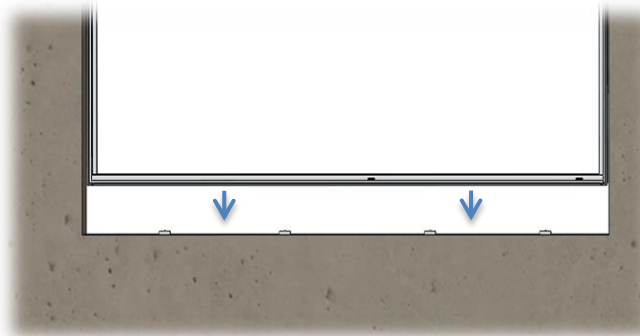


Figure 3

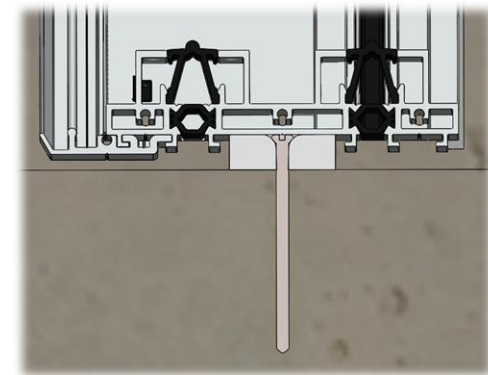
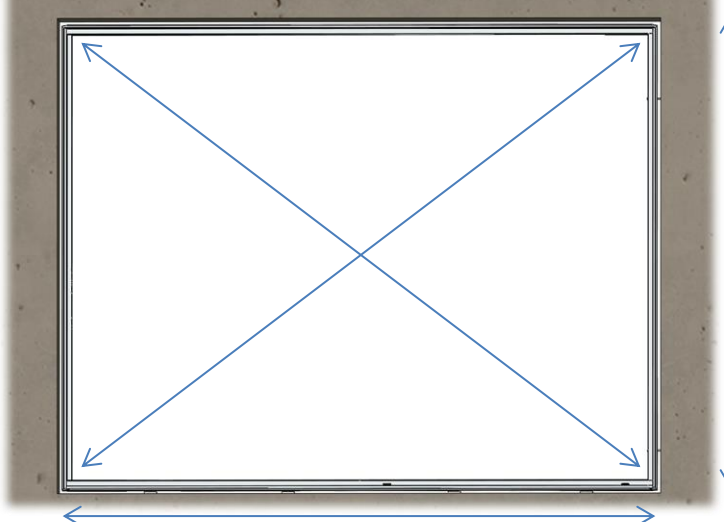


Figure 4





Frame Installation (Continued)

Note: Do NOT use wood shims. Only use plastic shims.

1. As necessary, pre-drill holes into substrate, refer to anchor manufacturer's specifications.
2. Starting with bottom install holes on jambs, anchor door into place. Installing to top of the frame, checking with a level (Fig. 1 & Fig. 2), adjust as needed and shim accordingly (Fig. 3).
3. Adjust install screws if necessary.
4. Inspect and verify:
 - Frame is plumb and level.
 - Frame is square.
 - Distance of jambs, head and sill are equal.
 - Check for bowing.
 - All pre-drilled holes are utilized with install screws (Fig. 4).

Figure 1



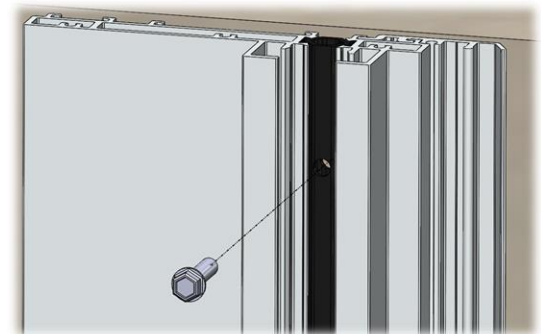
Figure 2



Figure 3



Figure 4



Fill installation
holes with sealant.



Frame Sealing & Install Track Covers

1. Insulation must not exceed the thermal barrier.
2. Push backer rod into shim space on exterior and interior perimeter of the frame (Fig. 1).
3. Seal exterior of the frame with approved silicone (Fig. 2).
4. Tool bead to ensure proper adhesion.
5. Inspect silicone seal for holes or gaps.
6. Clean excess silicone as needed.
7. On the frame interior, apply perimeter bead of silicone and tool for proper adhesion* (Fig. 3).
8. Snap in install track covers into frame as shown (Fig. 4). **Cut track covers to appropriate length, if necessary.**
9. Clean installed frame of any debris or dirt.

*Refer to sealant manufacturer's recommendation.

Figure 1

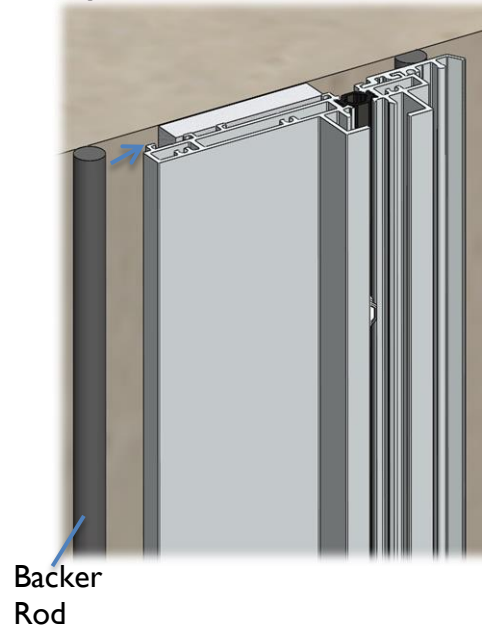


Figure 2



Figure 3

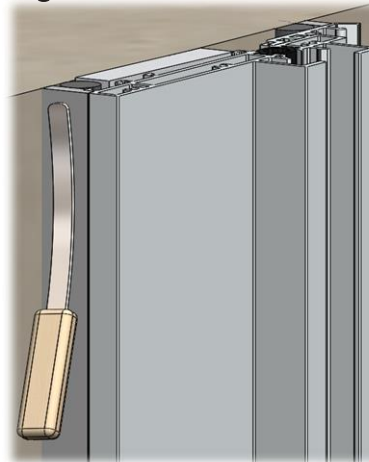
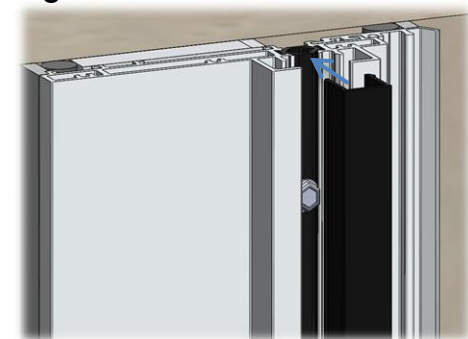


Figure 4





Stationary Panel Installation

Note: 2 or more people recommended for loading and unloading.

1. Use of glass suction cups is recommended for installing panel (Fig. 1).
2. Reference Approved Shop Drawings for orientation of panel.
3. The stationary panel must be loaded onto the exterior track (Fig. 2).
4. Lift and slide legs of panel over the frame track into place as shown (Fig. 3 & Fig. 4).
5. Set the panel rollers on the roller track (Fig. 5).

Figure 1



Figure 2

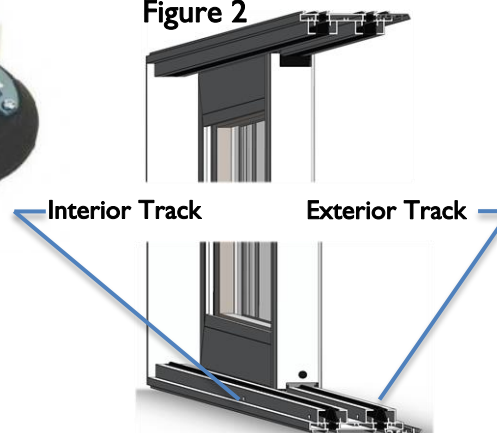


Figure 3

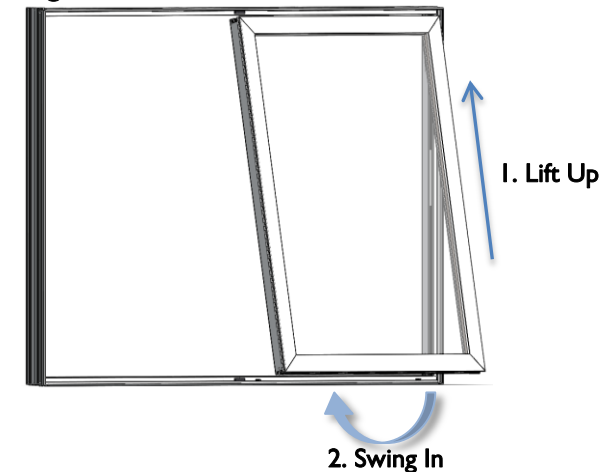


Figure 4

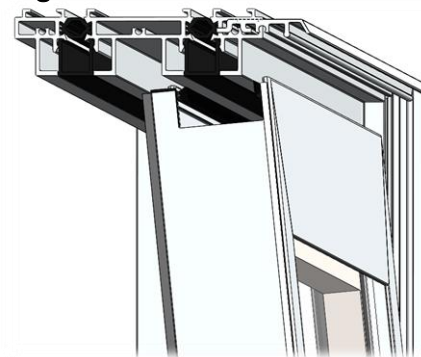
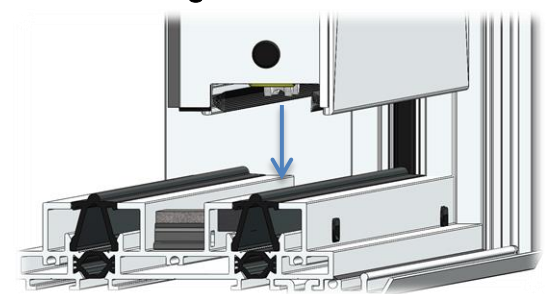


Figure 5



Adjust Panel Rollers

1. Pull the button cap off the roller adjustment hole (Fig. 6).
2. Rotate adjustment clockwise for elevation and counter-clockwise for reduction (Fig. 7) with a #4 Allen wrench until the panel is at the desired height (Fig. 8). Verify the panel is plumb and level with frame.
3. Replace cap in adjustment hole when complete.

Figure 6

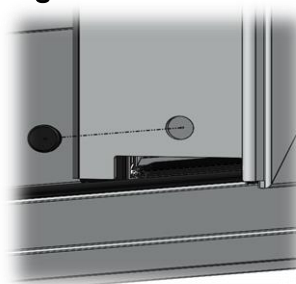


Figure 7

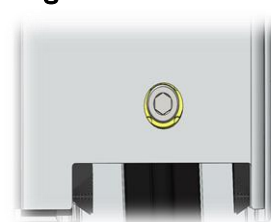
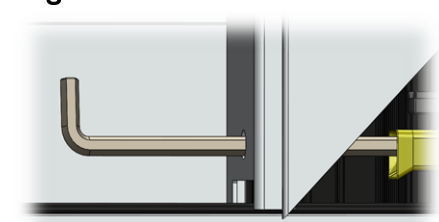


Figure 8



Locking Stationary Panel

1. Insert flat head screwdriver into the access hole and turn screwdriver counter-clockwise until the lock engages (Fig. 1). For a reverse operator, turn screwdriver clockwise until lock engages.
2. Push button cap into the access hole of the stationary panel (Fig 2).

Note: The lock will not engage until the door is fully closed and trigger depressed.

Figure 1

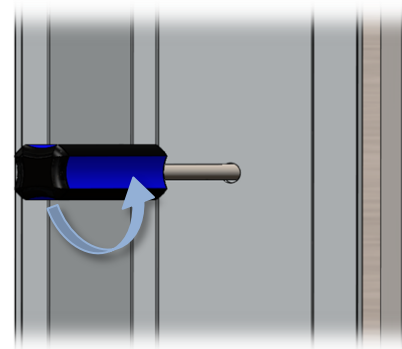
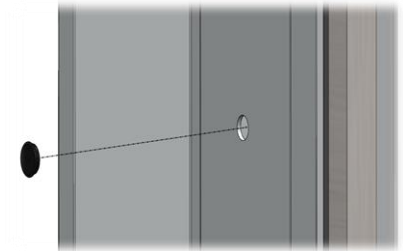


Figure 2



Unlocking Stationary Panel

1. Remove access hole cover from stationary panel using a flat screw driver or putty knife (Fig. 3).
2. Insert flat screwdriver into the access hole and turn screwdriver clockwise until the lock disengages (Fig. 4). For a reverse operator, turn screwdriver counter-clockwise until lock disengages.

Figure 3

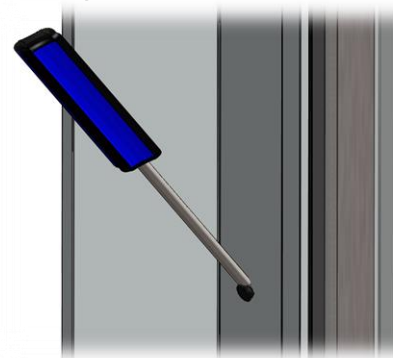
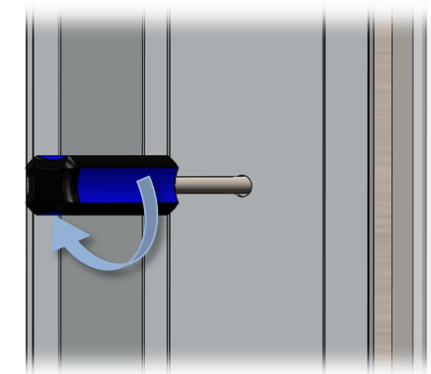


Figure 4



Operator Panel Installation

Note: 2 or more people recommended for loading and unloading.

1. Use of glass suction cups is recommended for installing panel (Fig. 1).
2. Reference Approved Shop Drawings for orientation of panel.
3. The operator panel must be loaded onto the interior track (Fig. 2).
4. Lift and slide legs of panel over the frame track into place as shown (Fig. 3 & Fig. 4).
5. Set the panel rollers on the roller track (Fig. 5).
6. Slide operator panel back and forth to check operation.

Figure 1



Figure 2

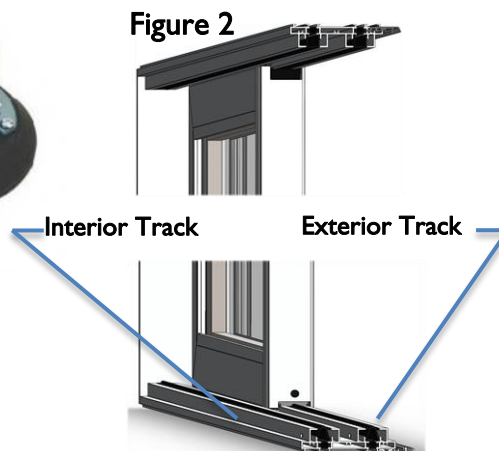


Figure 3

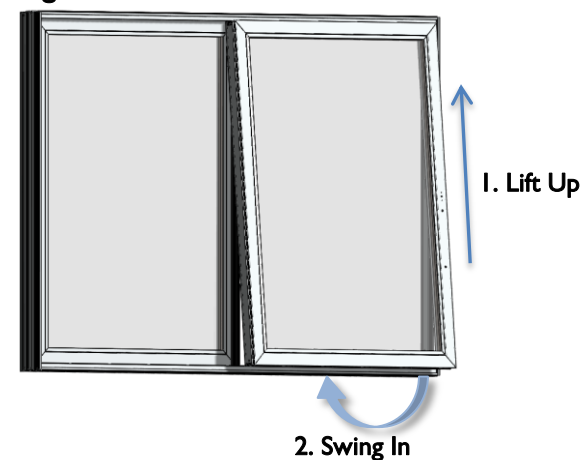


Figure 4

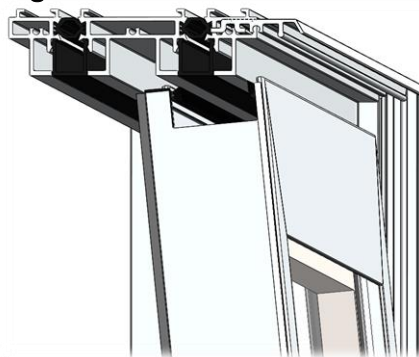
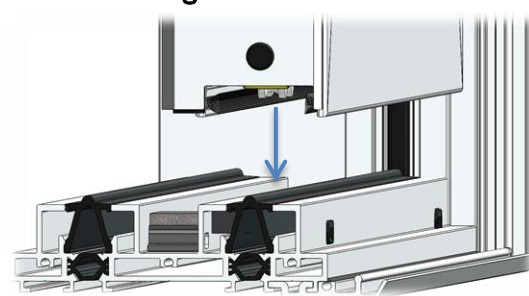


Figure 5



Adjust Panel Rollers

1. Pull the button cap off the roller adjustment hole (Fig. 6).
2. Rotate adjustment clockwise for elevation and counter-clockwise for reduction (Fig. 7) with a #4 Allen wrench until the panel is at the desired height (Fig. 8). Verify the panel is plumb and level with frame.
3. Replace cap in adjustment hole when complete.

Figure 6

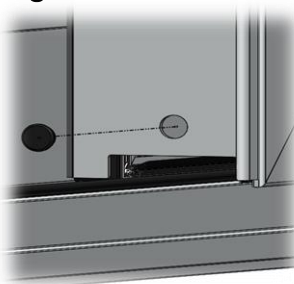
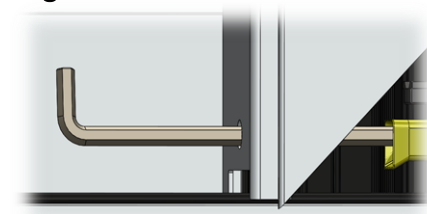


Figure 7



Figure 8



Anti-Take Out Installation

1. Fully open operator panel.
2. Set anti-take out as shown and slide into position (Fig. 1).
3. Secure with provided screws into pre-drilled holes (Fig. 2).

Note: One access screw is accessible on each side of the door.

Figure 1

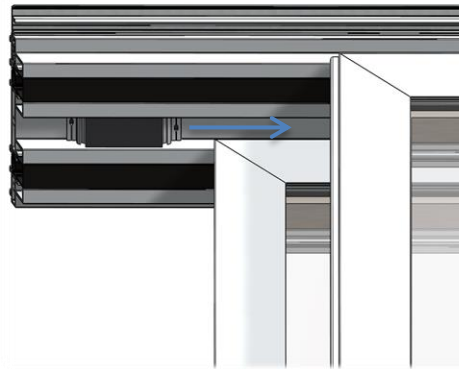
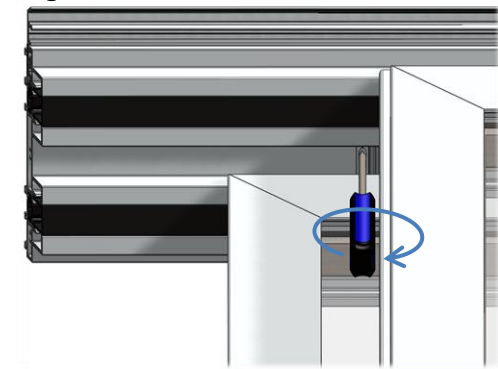


Figure 2



OPTIONAL: Lock Keeper Installation

1. Verify the location of the keeper with Approved Shop Drawings.
2. Position lock keeper in the frame jambs. Center screws in slots as shown (Fig. 3). See Approved Shop Drawings for anchor type and embedment.

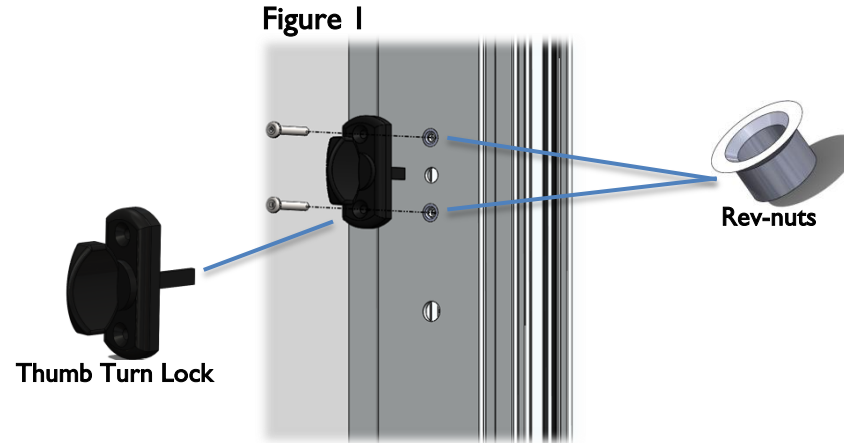
Figure 3



Thumb Turn Lock Installation

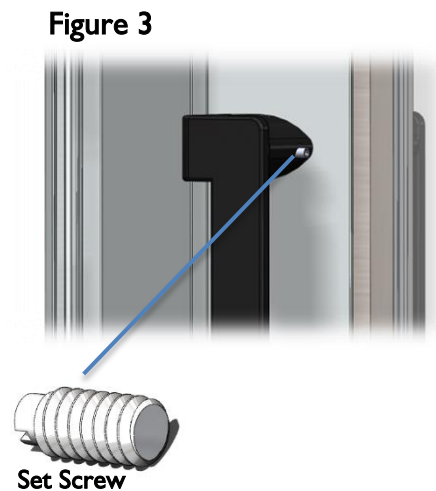
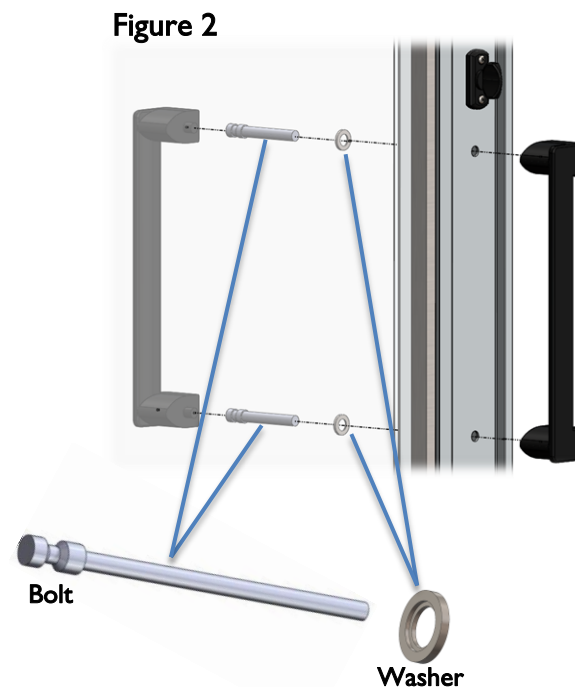
1. Install rev-nuts into the installation holes of the jamb (Fig. 1).
2. Slide the thumb lock into the center hole.
3. Install two flat head screws through the thumb turn lock and into the rev-nuts.

Make sure the thumb turn is horizontal in the unlocked position and vertical in the locked position.



Handle Installation

1. Slide washers on bolts. Verify the notched side of the washer is facing the bolt head.
2. Put bolts through frame from the door's interior to the exterior (Fig. 2). Screw the exterior handle to the bolt.
3. Install the set screw into the interior handle (Fig. 3).

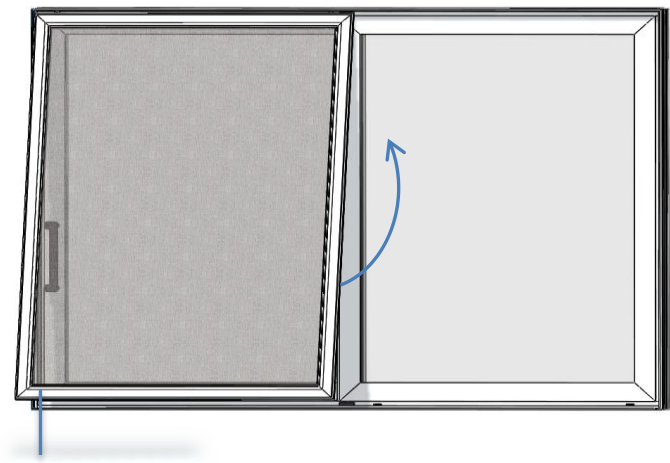


Screen Installation

1. Orient screen so the weeps are on the bottom and facing the door.
2. Lift the screen door and insert the top into the frame (Fig. 1). Verify the top is lined up on the screen track inside the frame.
3. Set the screen rollers on the screen roller track (Fig. 2). Verify the top and bottom are aligned on the screen track.
4. Slide screen door back and forth to check operation.

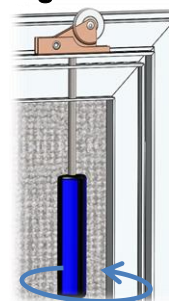
Note: Screen may be installed sill first.

Figure 1a



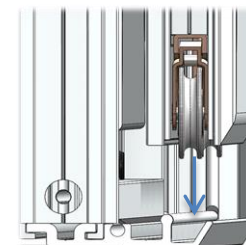
Screen Weep Holes

Figure 1b



Use a phillips screw driver to adjust the screen roller.

Figure 2

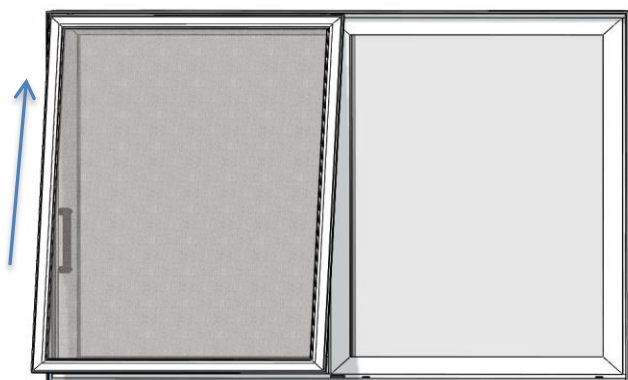


Screen Removal

1. Using a putty knife or flat screwdriver, depress rollers, one at a time (Fig. 4).
2. When the rollers are compressed, lift the screen up and remove the bottom of the screen door out of the screen track.
3. Pull the top of the screen out of the screen track.

Note: Screen may be removed head first.

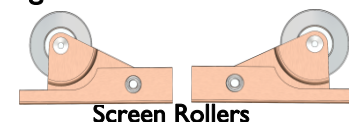
Figure 3a



1. Lift Up

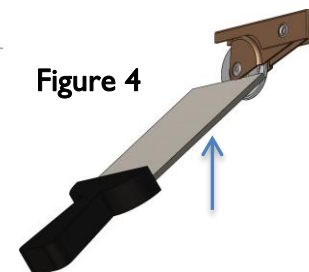
2. Pull Out

Figure 3b



Screen Rollers

Figure 4





FIELD INSTALLATION INSTRUCTIONS SERIES 5000 SLIDING GLASS DOOR

Screen Block Installation

1. Clean frame surface with isopropyl alcohol before installing screen block.
2. Adhere the screen blocks to the horizontal surface of the frame's head and sill. Verify location with Approved Shop Drawings (Fig. 1).

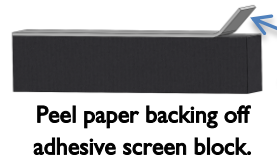
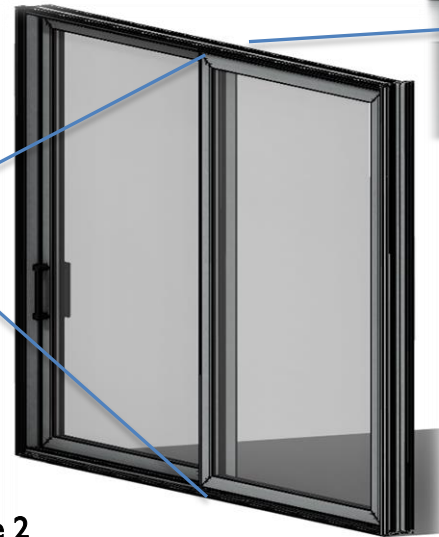


Figure 1



Panel Bumper Installation

1. Install three screws through the stop plate into the stationary panel (Fig. 2).
2. Snap bumper housing onto the stop plate and screw the stop plug onto the plate with provided screw (Fig. 3).

Figure 2

Do not install bumpers on the joinery of the corner.

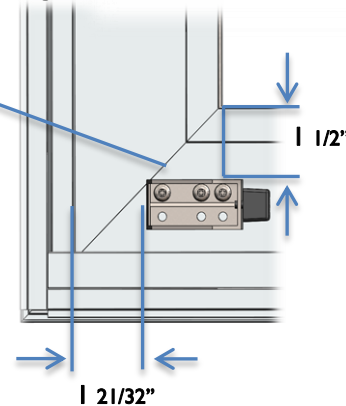


Figure 3

