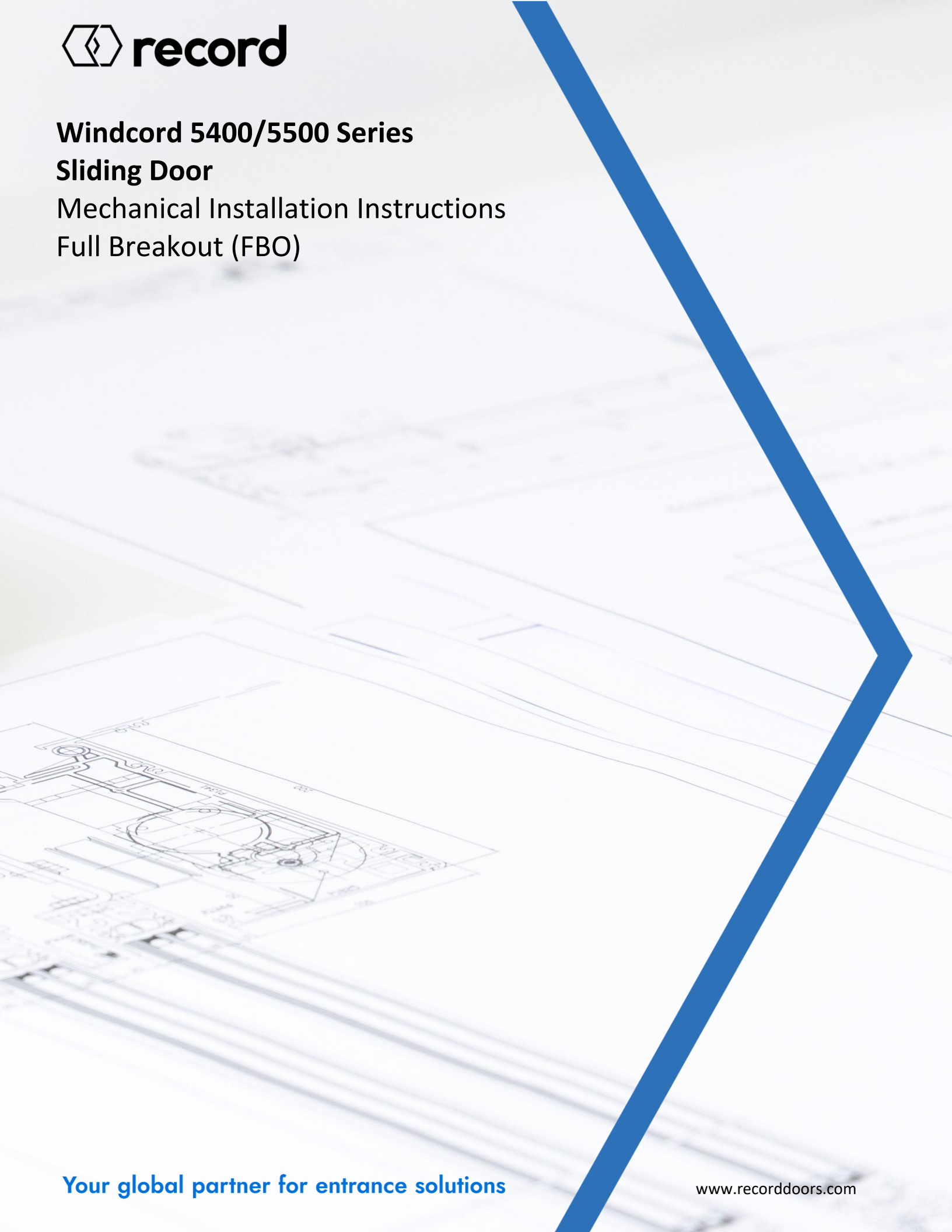
record

Windcord 5400/5500 Series
Sliding Door
Mechanical Installation Instructions
Full Breakout (FBO)



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1 INTRODUCTION

The Record Windcord 5400/5500 Series sliding door system has been carefully designed, built, and tested to provide years of service of unmatched protection against damaging winds and debris while providing an attractive compatibility to all types of storefront systems.

The life of the door package is directly related to how carefully the installation is accomplished and how accurately the instructions are followed. Installation of this door package is to be performed by AAADM-certified, properly trained and experienced installers knowledgeable with local code requirements and all requirements of ANSI/BHMA A156.10 Standards for Power Operated Pedestrian Doors. The authorized service/installation dealer must perform all measurements for forces, speeds, and times to ensure proper and safe operation.

Record is not responsible for improperly adjusted or maintained automatic doors or activation/safety systems and assumes no responsibility for damages caused by automatic door systems that have not been properly installed, tested, and adjusted.

The door panels and framing are constructed utilizing the required materials to meet Florida Product Approval specifications.

Record Windcord 5400/5500 is designed for overhead-concealed installation between two vertical jambs. The header holds drive and control units and supports sliding doors and sidelites.

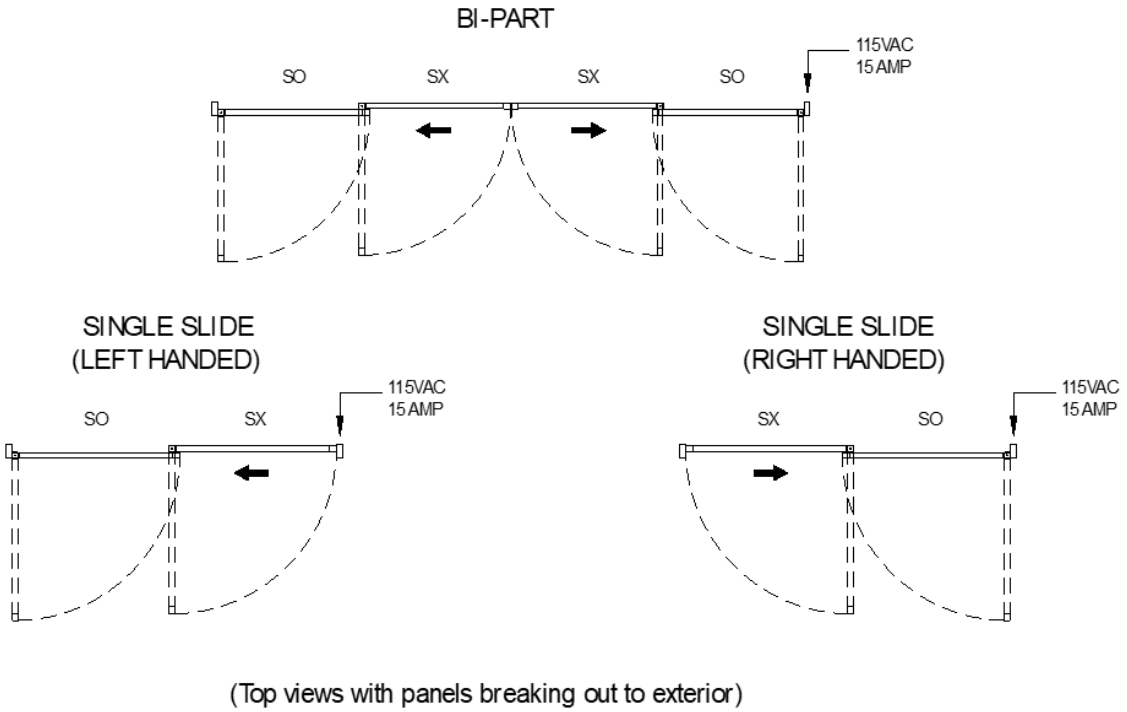
Record Windcord 5400/5500 operator ensures all-around safety. It may be combined with full range of Record-USA safety units, such as presence and motion sensors.

All Record Windcord 5400/5500 systems are ready for installation when delivered. Sidelites and active leaves must be prepared with enclosed hardware. Operators are supplied with all assembly hardware and jambs have preinstalled threaded inserts. Anchoring fasteners not included.

NOTE: GLASS AND GLAZING ARE NOT INCLUDED IN THE STANDARD PACKAGE. The glazing materials in all panels shall comply with the requirements of the American National Standard Performance Specifications & Methods of Test for Safety Glazing Materials used in Buildings, ANSI Z91.1-2015 (R2020). Door panels may be glazed before or after installation.

2 PRODUCT INFORMATION

Record provides several layouts for the Windcord 5400/5500 Series sliding door system. Operators can be bi-parting or single slide (left or right-handed).



(Top views with panels breaking out to exterior)

Power requirement of 120VAC, 60Hz, 15A service through top of jamb and to terminal block in aluminum head section of door. Wiring to be in conformance with local codes and routed away from moving parts. For remote switch locations, routing of low voltage wiring to operator and sensor controls will be required and their location should be predetermined and wired before installation begins.

Sliding door operator works electromechanically. Motor, control unit, transmission and optional emergency unit and electromechanical locking devices are all assembled in support beam with integrated cover. Motor and gearbox transmit movement to door leaves by means of tooth belt. Door leaf is fitted to door adapter/carriage wheel fitting and hangs on sliding track. Guiding at bottom is carried out by means of floor guides.

3 TECHNICAL SPECIFICATION

Manufacturer:	Record
Address:	4324 Phil Hargett Court, Monroe, NC 28110, US
Type:	Record Windcord 5400/5500 FBO
Main power supply:	120 VAC, 60 Hz, fuse 15 A (building installation) Note: Mains power supply shall be installed with protection and all-pole mains switch with isolating capability of Category III, at least 1/8" (3 mm) between contacts, shall be installed according to local regulations. Articles not provided with door.
Power consumption:	Max. 100 W
Degree of protection:	IP20
Degree of protection, control actuators:	IP54
Auxiliary voltage:	24 VDC, 1 A
Recommended max. door weight:	Bi-parting: 320 lb./leaf (145 kg/leaf) Single Slide: 350 lb./leaf (158 kg/leaf)
Clear opening:	Bi-parting: $37^{1/2}$" – $82^{1/16}$" (952 – 2084 mm) Single Slide: $29^{1/2}$"– $46^{3/16}$"(749 – 1173 mm)
Opening and closing speed:	Variable up to approx. 4.5 ft/sec. (1.4m/s) To be adjusted to comply with ANSI/BHMA A156.10. Note that local codes may vary.
Hold open time:	0-60 s To be adjusted to comply with ANSI/BHMA A156.10. Note that local codes may vary.
Ambient temperature:	-4°F to 130°F (-20 °C to 55 °C)
Relative humidity (non-condensing):	Max. 85%
Record Windcord 5400/5500 complies with: ANSI/BHMA A156.10, UL 325, UL 60730, NFPA 79	
For indoor use only	

4 INSTRUCTIONS FOR SAFE OPERATION

WARNING – To reduce the risk of severe injury or death:

- Read and follow all Installation Instructions.
- If operator is installed less than 8ft. above the floor, then exposed moving parts must be protected by covers or guarding, provided by the manufacturer.
- In the case of a door that is operating improperly, it could cause severe injury. Have qualified, AAADM-certified service personnel to make repairs to equipment.
- Do not connect the door operator to the source of power until instructed to do so.
- Locate the Smart Panel: (a) within sight of the door, and (b) at a minimum height of 5ft. above floors, landings, steps, or any other adjacent surface and (c) away from all moving parts of the door.
- Install the Entrapment WARNING Placard next to the Operator in the header in a prominent location.
- For products having a manual release (breakout), instruct the end user on the operation.

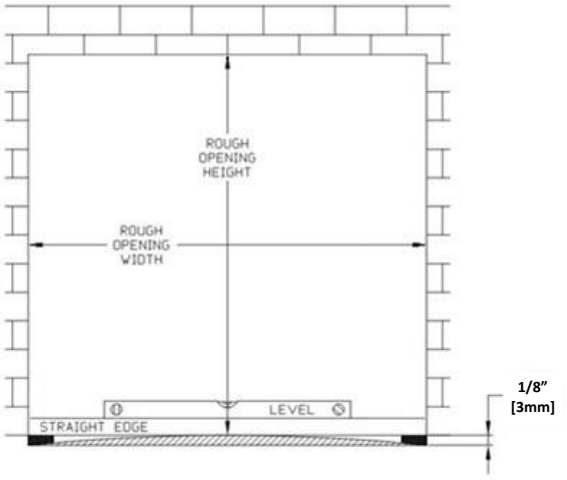
5 PREPARATION

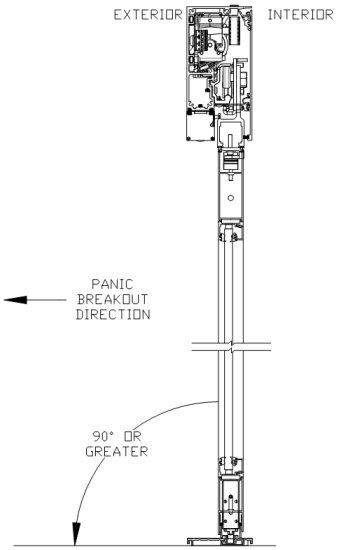
5.1 SITE INSPECTION

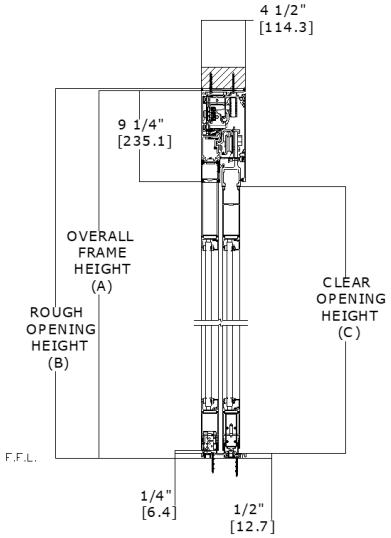
Rough opening must be plumb and square and finished floor must not vary by more than 1/8" (3mm) from highest to lowest point. Check with level and straight edge. If possible, have floor leveled before installing sliding door system. Shim jambs if necessary.

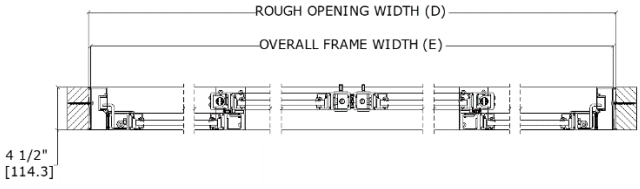
It is also important to check floor level within path of doors in Break-Out mode. Doors must not encounter any obstruction when broken out. Grade of floor in direction of break-out should ideally be 90° or greater, measured from highest point of floor (see below).

Rough opening width should be 1/2" (13 mm) wider than overall frame width of sliding door system, and rough opening height should be 1/4" (6 mm) higher than overall frame height. For standard installations, overall frame height will be 104" (2.64 m).









5.2 ANCHORING

Check that wall material has necessary reinforcements and floor is level and smooth.

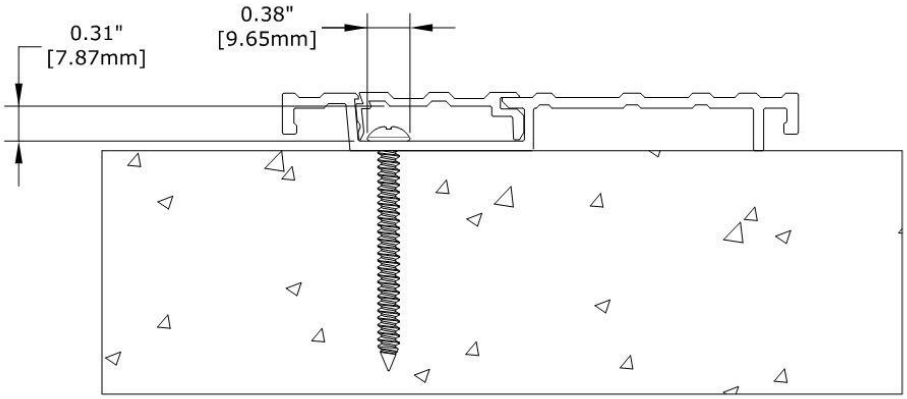
Beam/wall used to fix support beam must be flat and smooth. If necessary, use mounting spacers (up to ¼" thick) behind support beam to keep straight.

Adequacy of existing structural concrete/masonry, wood and metal framing as main wind force resisting system capable of withstanding and transferring applied product loads is responsibility of architect or engineer on record for project.

All anchoring fasteners for beam, jambs and thresholds are provided by installer and must meet minimum requirements for given substrate material (see table below).

Fastening requirements			
Substrate material	Anchor type	Min. embed	Min. edge dist.
Concrete (2.85 ksi Min)	1/4" Elco Ultracon	1 3/4"	2 1/2"
Hollow or Grout-Filled CMU (ASTM C90)	1/4" Elco Ultracon	1 1/4"	2 1/2"
2x Min. Southern Pine Wood (G=0.55)	#14 Grade 5 Wood Screw	1-3/8"	1"
16 Gauge (0.060") Min. Steel Stud, 33ksi Yield Min., Or 1/8" Alum. 6063-Ts Min.	1/4"-14 Hilti Kwik-Flex or ITW Teks Self-Drilling Screw	Full	1/2"

Note: Anchors are flathead at strike locations and round/pan/hex-washer elsewhere. See product approval drawings and documentation for full anchoring diagrams and requirements. Note critical head size requirements (shown below). Typical fasteners are 3/16" x 1-3/4" HWH Elco Ultracon for concrete substrate, #10 x 2" PH GR 5 Sheetmetal screw for wood substrate.



5.3 TEST EQUIPMENT AND TOOLS REQUIRED

Test Equipment:

- Stopwatch
- Force gauge (50 lb. force range)
- Multimeter

Tools required:

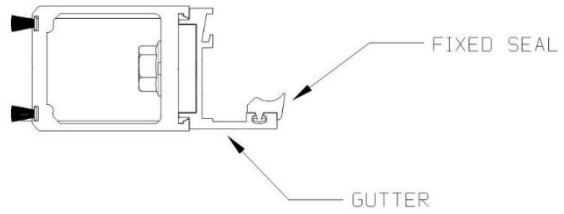
- Set of metric wrenches
- 2 Line Laser Level
- Tape rule
- Power drill
- Hammer drill
- Set of drill bits
- Unibit
- Metric hex key set (2.5, 3, 4, 5, 6, and 8mm)
- Torx screwdriver (T20 and T27)
- Flat blade screwdriver (small, medium, and large)
- Phillips screwdriver (#2 and #3)
- Center punch
- Wire stripper
- Plumb bob
- Silicone sealant
- Pencil
- 18" drill bit extension

Additional mounting hardware not supplied (see fastening requirements, page 7).

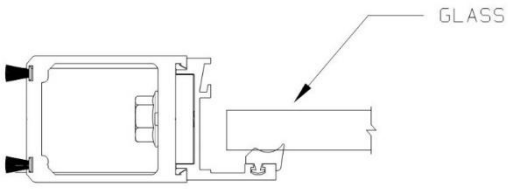
6 MECHANICAL INSTALLATION

6.1 GLAZING

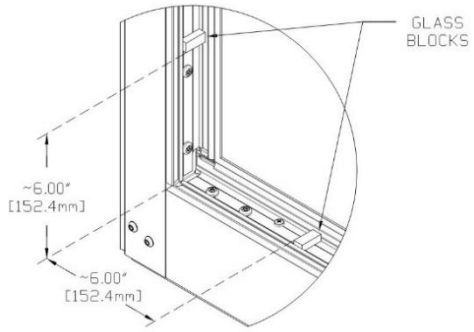
A. Attach fixed seals to door panel gutters. Cut to length as needed.



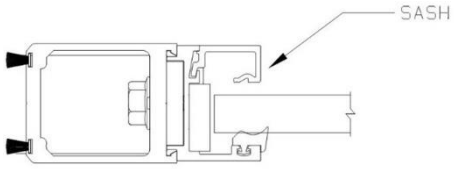
B. Place glass into door panel.



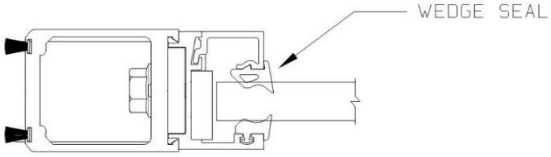
C. Glass blocks provided to be installed on site. Block all corners of each piece of glass approximately 6" away from corners. If door panels are not square, possible malfunction of doors and alignment issues may occur.

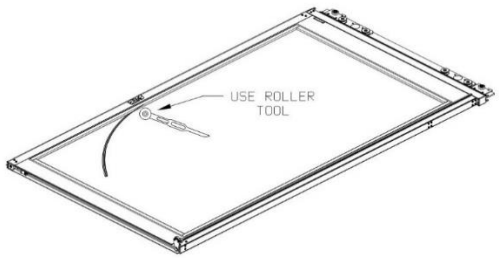


D. Install sashes making sure sashes hook into gutters and are seated properly.



E. Use roller tool to install wedge seals between sashes and glass. For ease of installation, spray wedge seals with soapy water to lubricate. Cut to length as needed.

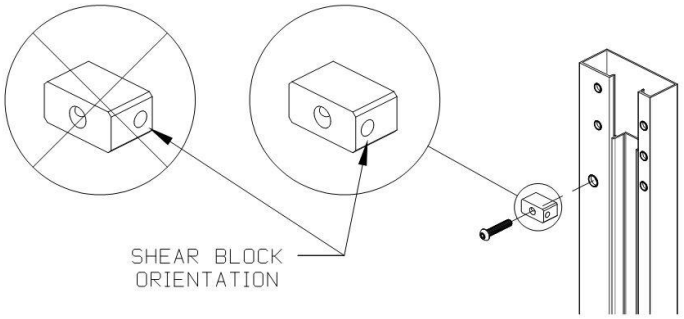




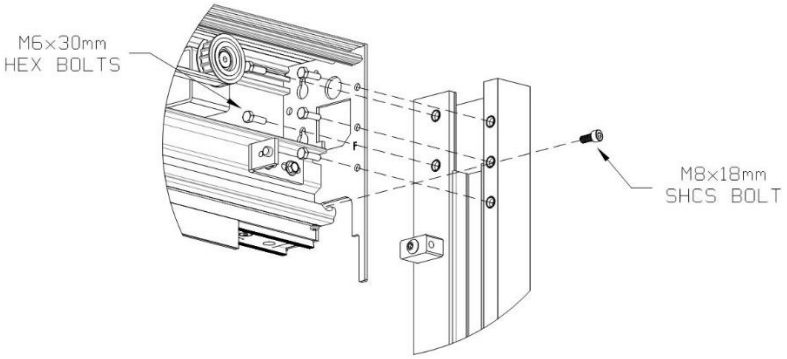
6.2 HEADER AND JAMB ASSEMBLY

A. Mark center of rough opening width and center of header. Center marks will be aligned during installation.

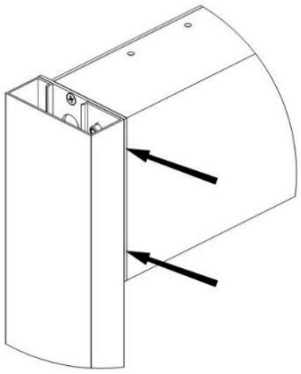
B. Install shear block to each jamb with supplied M8X40mm button head cap screws. Shear block must be oriented such that crossed drilled threaded hole is positioned away from jamb surface.



C. Mount each jamb to beam using five M6X30mm hex head bolts. Secure each jamb to beam with M8X18mm socket head cap screw through beam and into shear block.



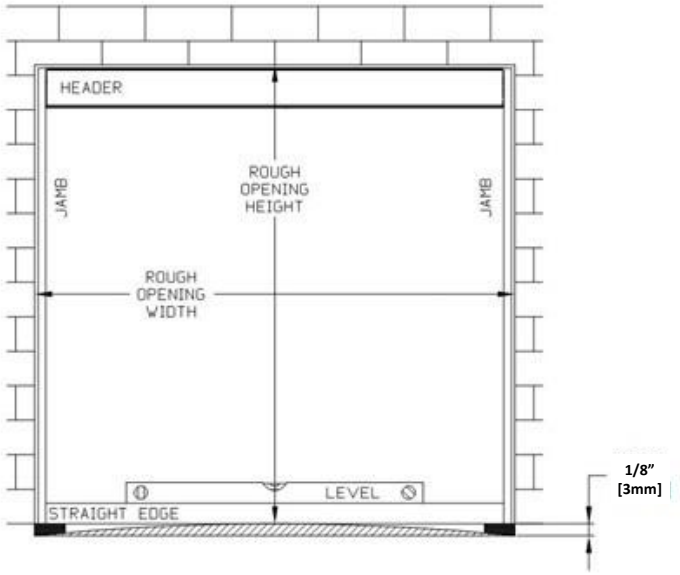
D. Check that jamb and beam are aligned and square where indicated below. If beam and jambs are not properly aligned, loosen fastening hardware, realign jambs to beam, and retighten hardware.



6.3 FRAME INSTALLATION

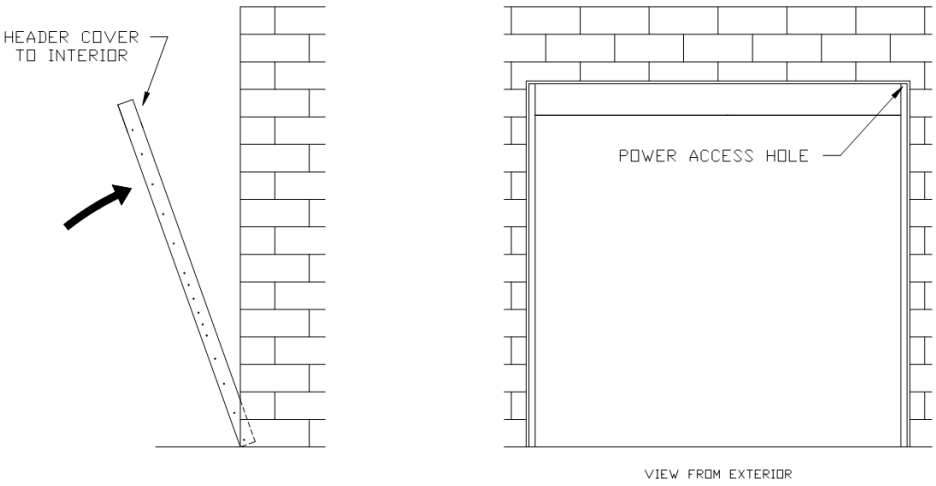
Header and jambs must be square and level to ensure a proper installation. Load bearing shims are required. Maximum allowable shim space is 1/8" (3mm); shim where space of 1/16" (2 mm) or greater occurs. Shims shall be constructed of high-density plastic or better. Shims are not supplied with door package.

A. Inspect rough door opening, measuring from side to side and using a level to find areas where shims may be needed. Look for high spots in floor and set bottom of jambs level with highest point, with header leveled across opening. Also, check floor in break-out panel's swing area for being level. Any high spots will need to be considered when setting header height.

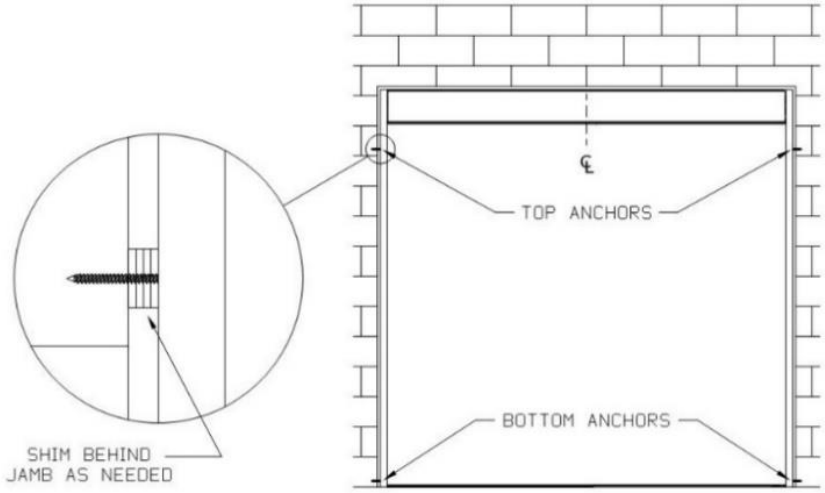


B. Remove header components as needed to allow access to header anchor points. Main header component locations have been pre-marked for easy reinstallation.

C. Tilt header/jamb assembly up into rough opening in wall with header cover to interior, being careful to pull power through access hole in jamb. Ensure assembly is aligned in correct location. This includes adding shims to the bottom of the jambs to ensure header is level.

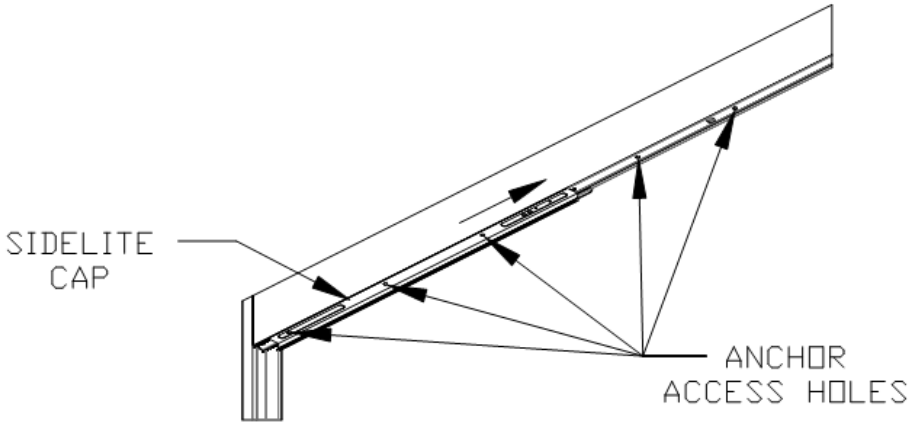


D. Starting with one jamb, loosely install top and bottom anchors while ensuring jamb is plumb. Repeat with other jamb. Place threshold between jambs to ensure correct spacing. Add shims behind jambs at anchors as needed and fully tighten anchors so that center of header aligns with center of rough opening and jambs are plumb.

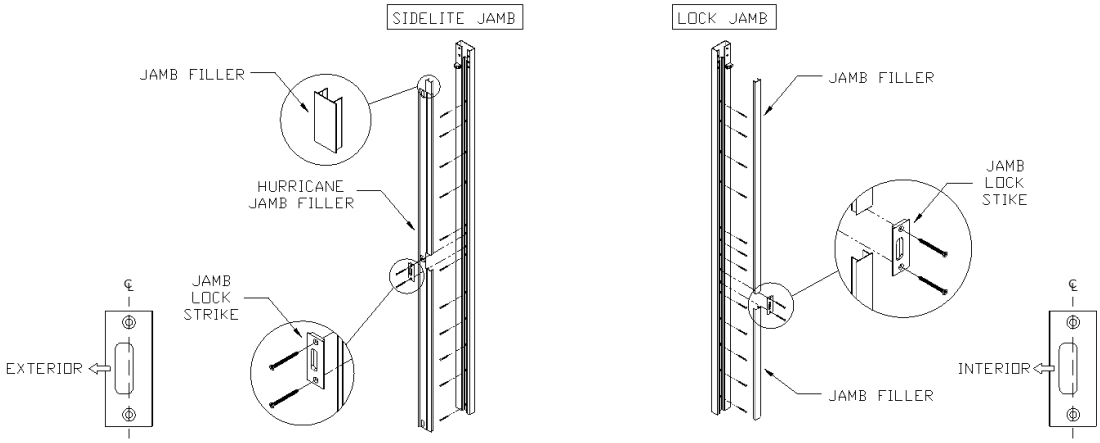


E. Install remaining Sidelite jamb anchors, but excluding 7th and 8th anchors from the bottom, while adding shims as needed to ensure that jamb is level. For single slide packages, install remaining lock jamb anchors, but excluding 6th and 7th anchors from the bottom.

F. Install anchors in header while adding shims between header and rough opening as needed. Anchor locations are predrilled and must be accessed via through holes located in underside of header. Slide Sidelite angle as needed to access through holes. Reinstall motor and control unit.



G. Install jamb filler extrusions to cover anchor access. Sidelite, hurricane jamb filler extrusion is one full-length piece with short, standard jamb filler above. Lock jamb, standard jamb filler extrusions are split into two shorter pieces. Ensure that lock jamb filler extrusions are installed in the correct position so that jamb lock strike mounting is still accessible.



H. Install jamb lock strike on Sidelite jamb with specified anchors. Ensure that orientation of jamb lock strike is such that slot is closer towards exterior of package. Shim behind jamb as needed.

I. Install jamb lock strike on lock jamb with specified anchors. Ensure that orientation of jamb lock strike is such that slot is closer towards interior of package. Shim behind jamb as needed.

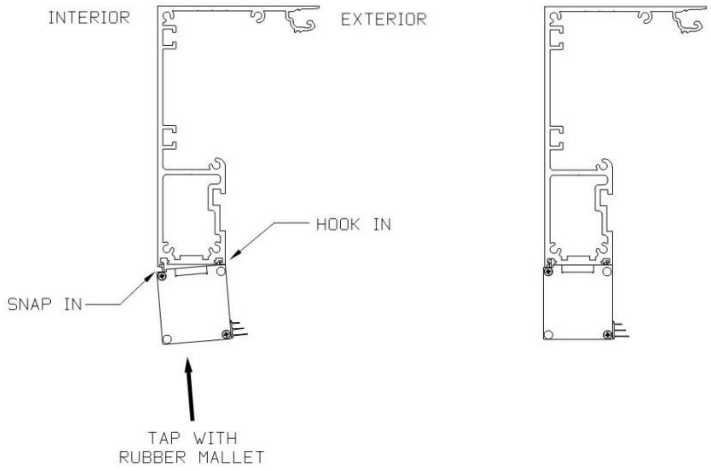
J. If header and jambs are truly square, top and bottom jamb-to-jamb measurements will be identical and both diagonal measurements will be identical. If necessary, strings can be taped from corner-to-corner on outside of jambs. Strings should cross in center of door opening, slightly touching each other. If strings are not touching or strings are pushing against each other, then package is twisted and needs adjusting.

K. Reinstall header components.

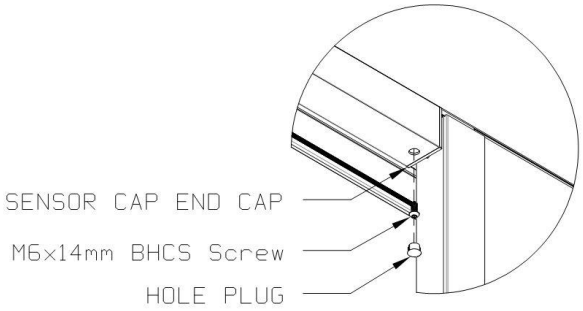
6.4 SENSOR CAP INSTALLATION

6.4.1 Single Slide Package

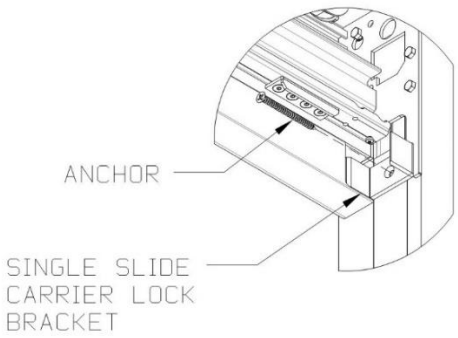
A. Hook in sensor cap subassembly into bottom of header with sensor cap flush against Active panel jamb. Tap along bottom of sensor cap, allowing it to snap into bottom of header.



B. Secure sensor cap with M6x14mm button head cap screw going through sensor cap mounting hole, through sensor cap end cap, and into header. Insert hole plug into mounting hole.

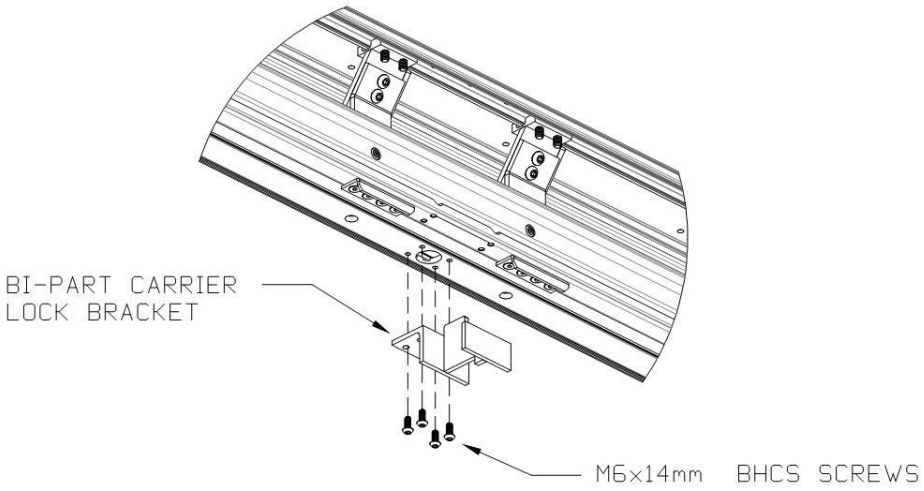


C. Place single slide carrier lock bracket against jamb, using beam end plate to help position and square bracket. Mark anchor location on jamb and drill 1/4" clearance hole through jamb and up to substrate. Mount bracket with specified anchor.

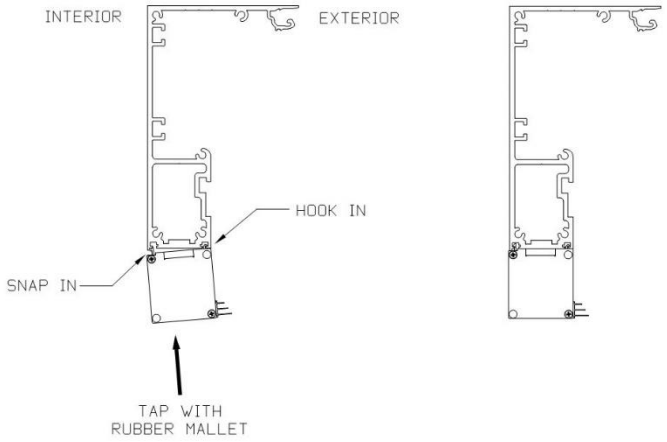


6.4.2 Bi-Part Package

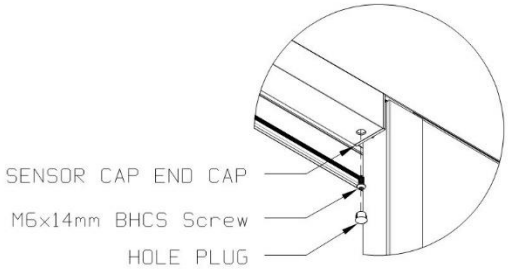
A. Mount bi-part carrier lock bracket to underside of header with provided M6x14mm button head cap screws. Ensure that bracket is towards interior.



B. Hook in sensor cap subassembly into bottom of header with sensor cap centered with header. Tap along bottom of sensor cap, allowing it to snap into bottom of header.

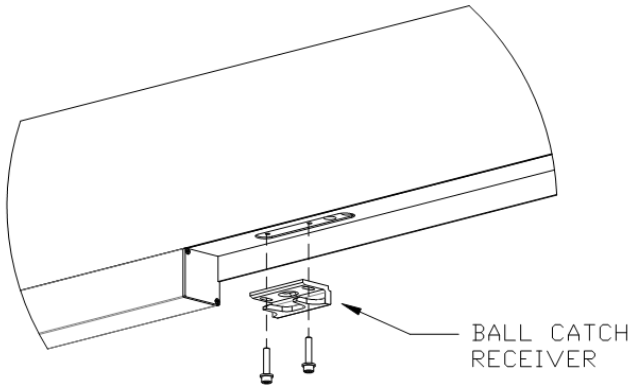


C. Secure sensor cap with M6x14mm button head cap screws going through sensor cap mounting holes, through sensor cap end caps, and into header on each end of sensor cap. Insert hole plugs into mounting holes.



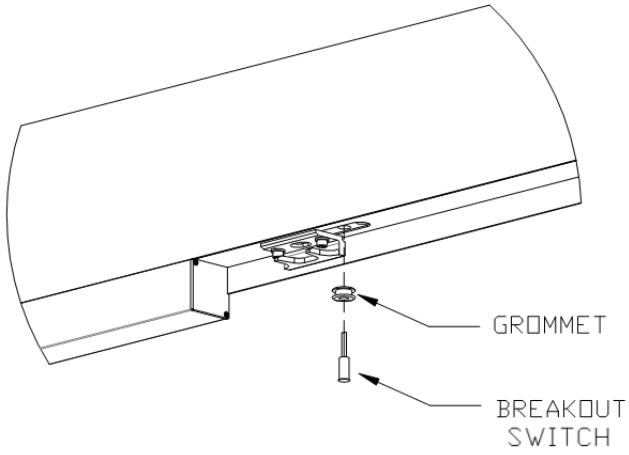
6.5 SIDELITE BALL CATCH INSTALLATION

A. With sidelite angle(s) slid up against sensor cap, install ball catch receiver for each sidelite on bottom of header with provided hardware. Ensure proper orientation, with receiver open to exterior.



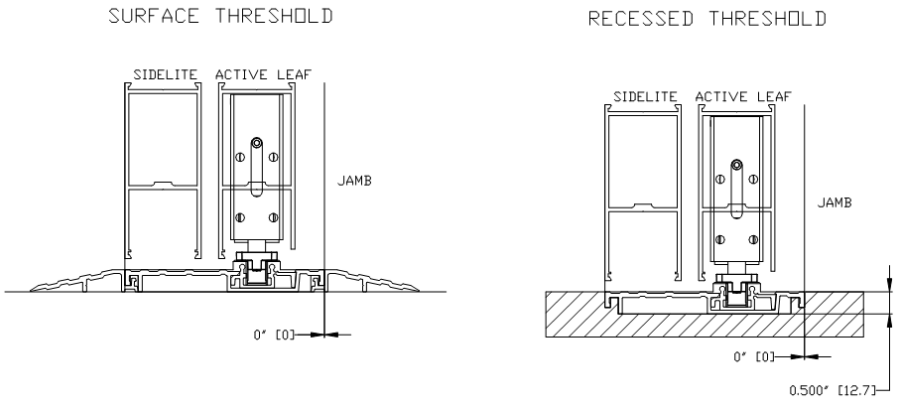
6.6 BREAKOUT SWITCH INSTALLATION

A. Insert grommet into hole in header next to ball catch receiver, then insert breakout switch into grommet. Repeat for second breakout switch for bi-part packages.



6.7 SIDELITE THRESHOLD AND PIN GUIDE INSTALLATION

Pin guide track is a multi-part system - all parts must be aligned and installed level to prevent derailment of floor guide foot when door is swung out and to provide proper door operation. Anchors must meet requirements as described in table on page 7 and appropriate product approval documentation. The following are installation steps for surface mounted and recess pin guide tracks.



Note: Measurements are based on 4.5" [114.0] width jambs. Jambs are always at finished floor level.

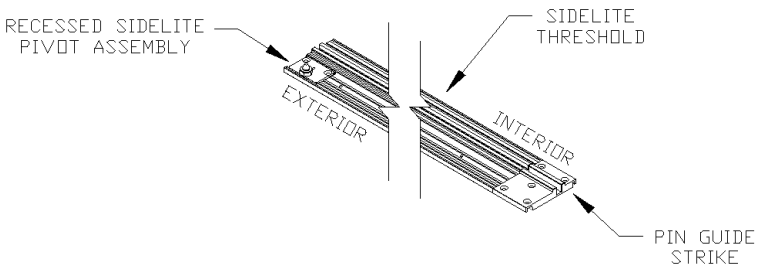
A. Inspect floor for conditions, such as high and low spots, that can cause track to twist and rock. High spots (such as small rocks) should be removed.

B. Using a chalk line, snap a reference line from jamb to jamb on side where threshold is to be installed.

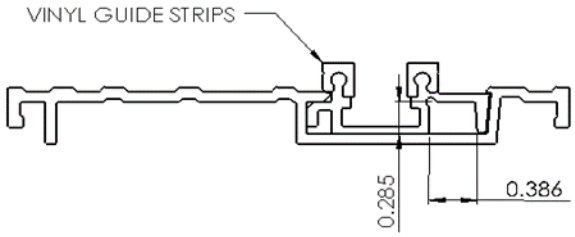
C. Lay sidelite threshold in place with pin guide slot towards interior. While standing on threshold and keeping it in line with chalk line, mark holes on substrate to be drilled.

D. Secure threshold to substrate with required anchors, leveling it with shims as needed. A sealant should be used under track assembly. To check for proper leveling, measure from top of track to bottom of header, checking for same result at each fastener.

E. Install pin guide strike adjacent and in line with sidelite threshold.

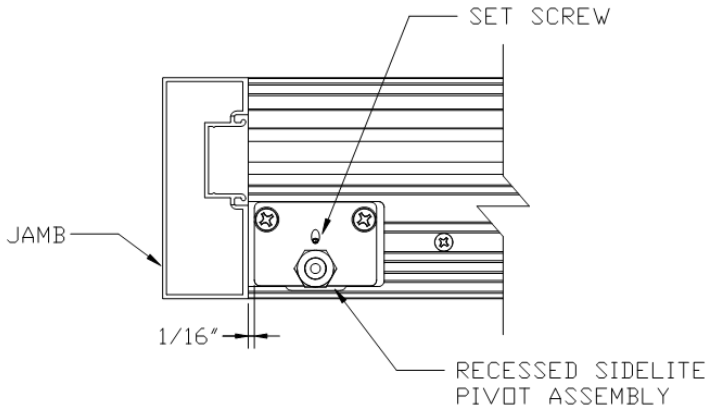


F. Insert pin guide into threshold slot and tap into place with rubber mallet. Vinyl guide strips must be cut and installed.

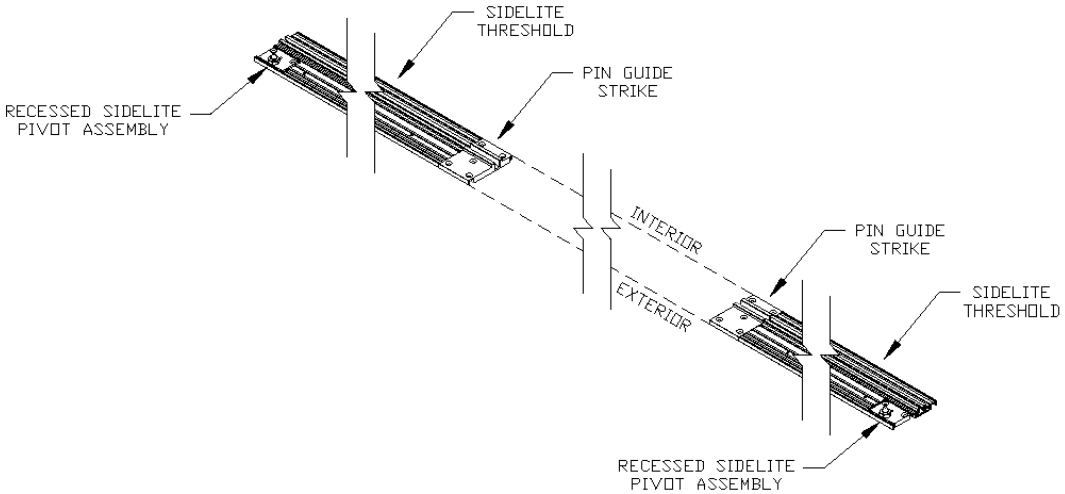


NOTE: Anchor heads must fit within the dimensions shown to allow installation of the pin guide and filler

G. Install recessed sidelite pivot assembly 1/16" away from jamb, making sure pivot set screw is pointing away from jamb and is accessible. Verify that nylon bearing washer is in place on top of pivot pin.

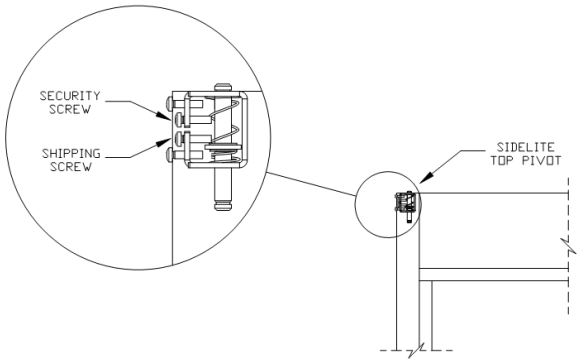


H. For Bi-Part installations, repeat previous steps for the opposing sidelite.

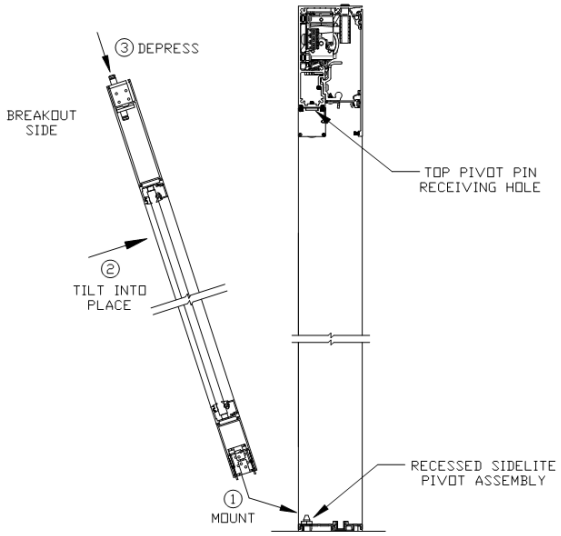


6.8 FULL BREAK-OUT SIDELITE PANEL INSTALLATION

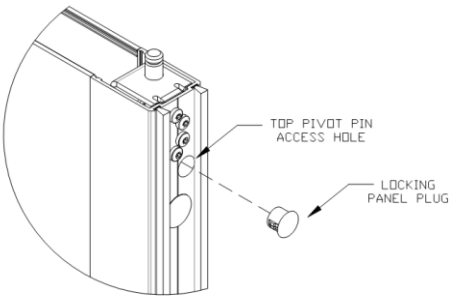
A. Remove security and shipping screws from sidelite top pivot to release pin and allow pin to move freely.

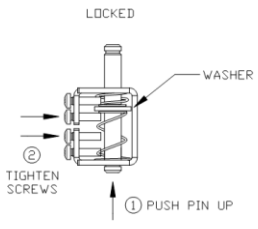


B. Set sidelite panel with sidelite bottom pivot onto recessed sidelite pivot assembly in threshold and tilt panel into place. Depress top, spring-loaded pivot pin and line up with receiving hole in header until pin pops up into place.



C. Break open sidelite panel perpendicular to header to gain access to sidelite top pivot pin access hole. Insert flathead screwdriver or similar tool into access hole and push pin up into header. With pin held in position, reinstall security screw and shipping screw to hold washer of pin up. Ensure pin remains fully engaged and locked in place. Install locking panel plug.

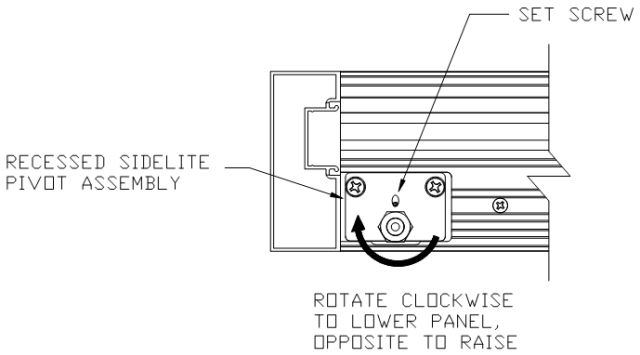




6.9 SIDELITE PANEL ADJUSTMENT

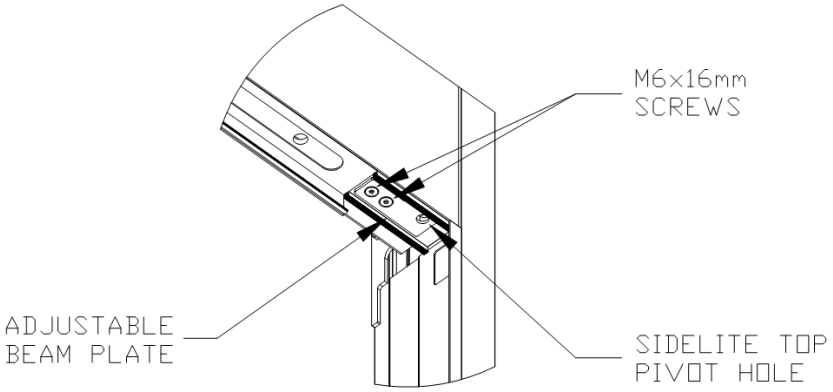
6.9.1 HEIGHT ADJUSTMENT

A. Gap between bottom of header and top of sidelite panel should be no more than 1/8" (3mm). Adjust sidelite panel height by loosening set screw in recessed sidelite pivot assembly. Turn pivot shaft clockwise to lower sidelite panel and counter-clockwise to raise sidelite panel. After proper height is achieved, retighten set screw.



6.9.2 PANEL TILT ADJUSTMENT

A. Sidelite panel tilt may be adjusted by moving sidelite top pivot further or closer to jamb. Break out sidelite panel to access mounting screws for adjustable beam plate.



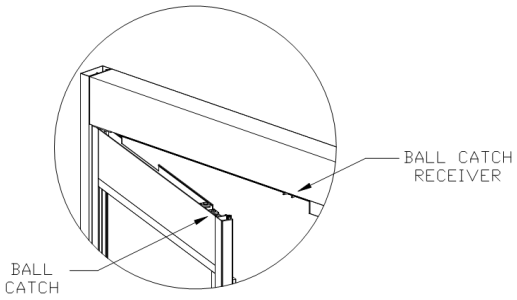
B. Loosen mounting screws. DO NOT REMOVE SCREWS COMPLETELY. Doing so will require realigning nut plate inside beam with adjustable beam plate using magnet or other methods.

C. Adjust plate to desired location and tighten mounting screws. Moving plate towards jamb will raise sidelite panel nose while moving plate away from jamb will lower sidelite panel nose.

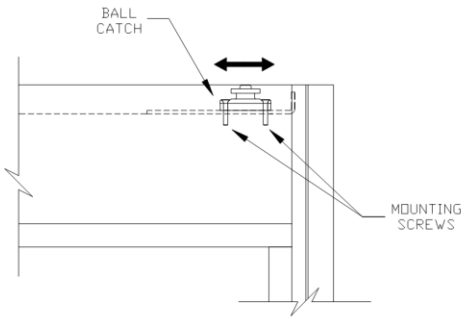
D. Close sidelite panel and check that gap between sidelite panel and jamb is uniform. If not, repeat tilt adjustment process until gap is acceptable.

6.9.3 BALL CATCH ADJUSTMENT

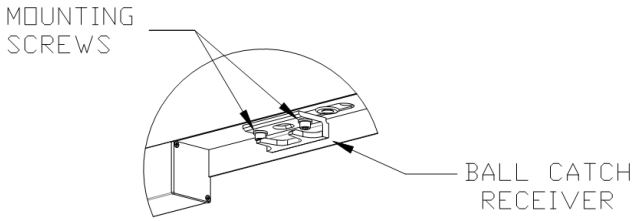
A. Ball catch is adjusted from factory. If needed, break open sidelite panel to access ball catch in top of panel and ball catch receiver on bottom of header.



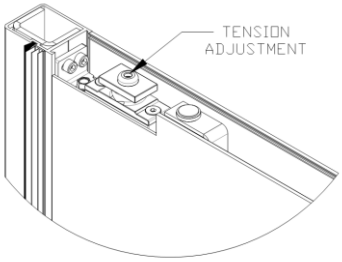
B. Loosen ball catch mounting screws to move ball catch side-to-side in order to line up with receiver in header. Once aligned, retighten ball catch mounting screws.



C. Loosen ball catch receiver mounting screws to move ball catch receiver fore/aft to flush exterior face of sidelite panel with exterior face of header.

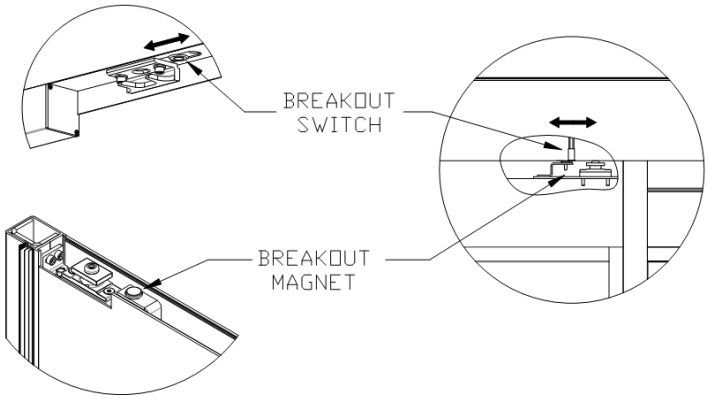


D. Tension of ball catch shall be adjusted so the break-out force does not exceed 50 lbs (222.4 N) or the maximum allowed by the local AHJ. If needed, use flathead screwdriver to turn adjustment screw clockwise to decrease tension or counter-clockwise to increase tension.



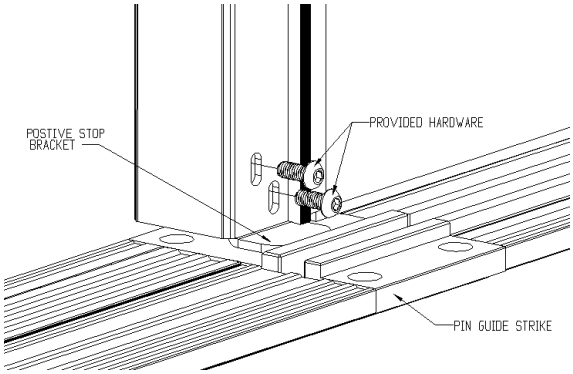
6.9.4 SIDELITE BREAKOUT SWITCH ADJUSTMENT

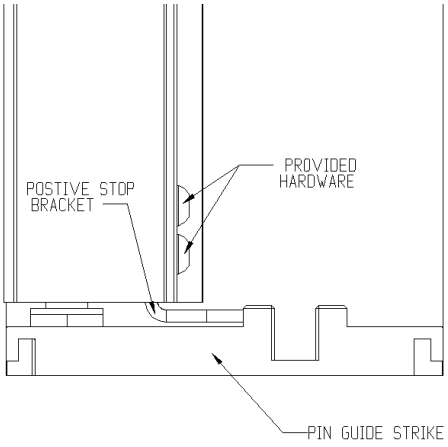
A. Sidelite breakout switch in bottom of header must align properly with breakout magnet in top of sidelite panel for correct functionality. Sidelite breakout switch is mounted in a slot with a rubber grommet and may be adjusted side-to-side by sliding switch into desired position. Ensure sidelite breakout signal functions properly.



6.9.5 SIDELITE POSITIVE STOP ADJUSTMENT

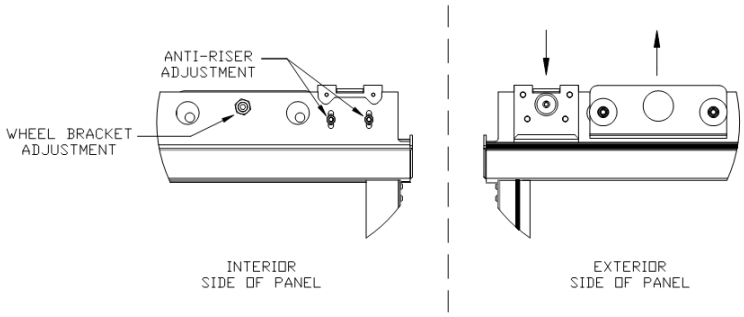
A. Using the hardware provided in the non-handed positive stop bracket kit (1024099), install the bracket inside the vertical stile of the sidelite and adjust such that the leading edge of the bracket contacts the pin guide strike and does not restrict the breakout action of the panel.



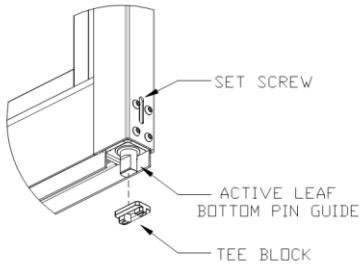


6.10 ACTIVE DOOR PANEL INSTALLATION

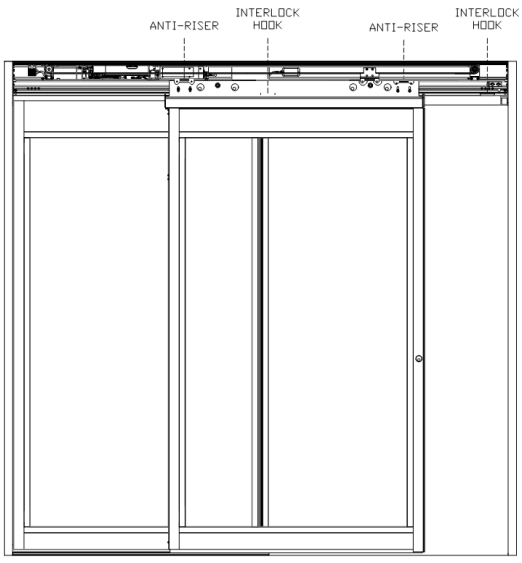
A. Loosen nuts on wheel brackets and rotate wheel bracket cams to raise wheel brackets up to highest point. Retighten wheel bracket nuts to keep wheel brackets in position. Loosen nuts on anti-riser brackets and lower to lowest point.



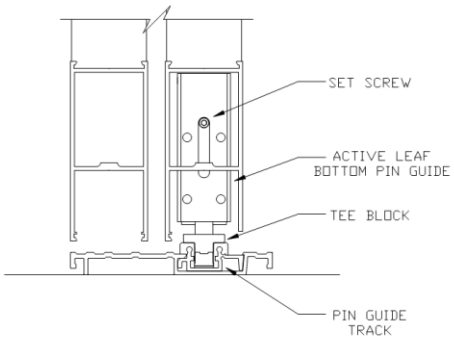
B. Install tee block onto Active panel bottom pin guide. Tee block will be set into pin guide track in threshold during panel installation. Set screw in bottom pin guide prevents pin from falling out. Set screw will be removed after Active panel is mounted.



C. Ensure cover is in open position. Stand Active panel next to package on interior side in partially open position so that anti-risers and interlock hooks do not line up and interfere during panel installation. Hang Active panel onto header track. Adjust wheel brackets to raise panel off floor to allow panel to slide freely. Adjust anti-riser brackets up to highest position allowed to prevent panel from falling off track during adjustment.



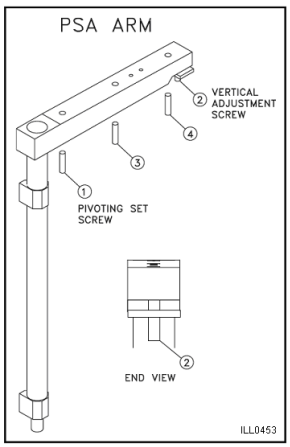
D. Remove set screw from bottom pin guide to allow pin and tee block to drop into pin guide track. Ensure tee block moves smoothly as Active panel closes and opens.



6.11 ACTIVE DOOR PANEL ADJUSTMENT

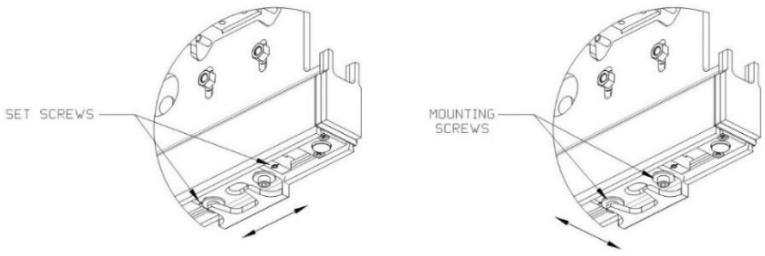
6.11.1 PSA ARM (TORQUE BAR ASSEMBLY) ADJUSTMENT

A. Break open Active panel to access PSA Arm adjustment screws. Ensure pivoting set screw (1) is tight. Loosen screw (3) and screw (4). Adjust vertical adjustment screw (2) to raise or lower leading edge of Active panel so that ball catch latches easily without having to lift or pull down leading edge of panel. Tighten screw (3) and screw (4).

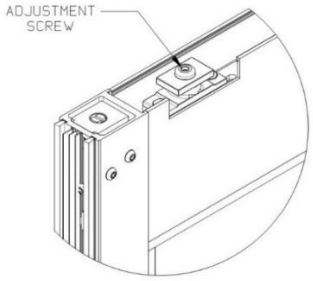


6.11.2 BALL CATCH ADJUSTMENT

A. Ball catch is adjusted from factory. If needed, break open Active panel to access ball catch receiver in carrier. Loosen set screws to move ball catch receiver left or right or loosen mounting screws to move ball catch receiver in and out and then tighten screws. Ensure top locking pin still inserts into carrier without interference.

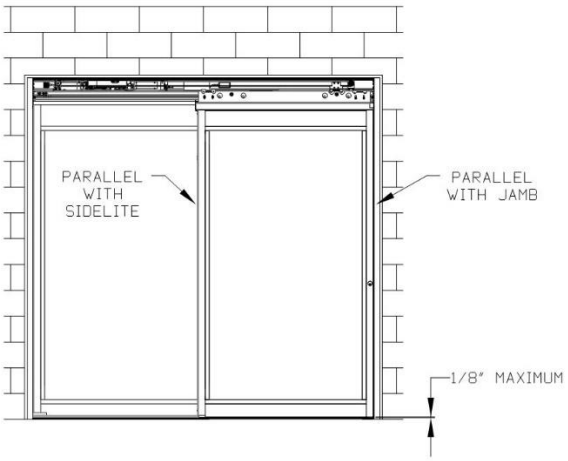


B. Tension of ball catch shall be adjusted so the break-out force does not exceed 50 lbs (222.4 N) or the maximum allowed by the local AHJ. If needed, use flathead screwdriver to turn adjustment screw clockwise to decrease tension or counterclockwise to increase tension.

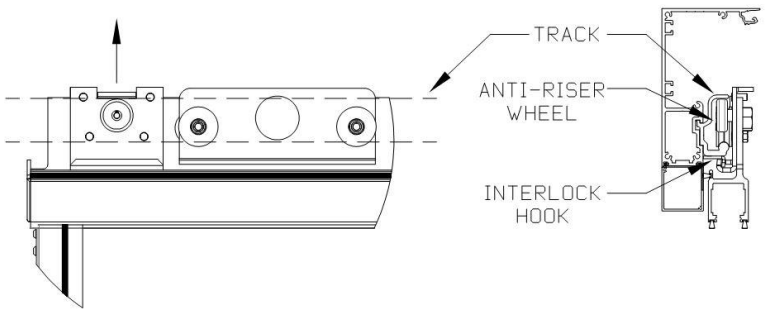


6.11.3 HEIGHT ADJUSTMENT

A. Loosen anti-riser brackets. Adjust wheel brackets to set gap between bottom of Active panel and threshold to be a maximum of 1/4" (6mm). Ensure Active panel is parallel with Sidelite panel and Active panel jamb (or other Active panel for Bi-part packages). Once adjusted, tighten wheel bracket nuts.

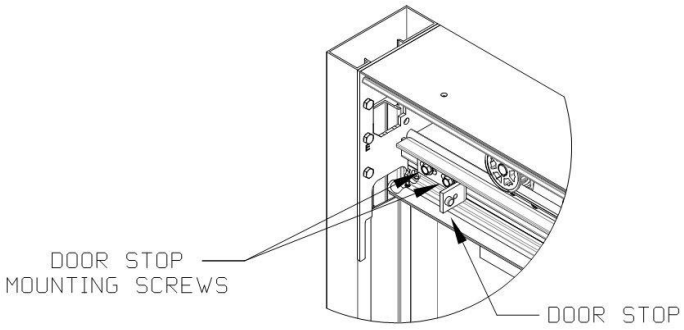


B. Raise anti-riser brackets until anti-riser wheels touch track. Lower by 1/16" (1.5 mm) and tighten anti-riser bracket nuts. Slide Active panel open and closed to ensure no interference between anti-riser brackets and interlock hooks. Readjust anti-riser brackets if necessary. Verify that panels do not exceed a force of 30 pounds applied in either direction to prevent panel from closing.

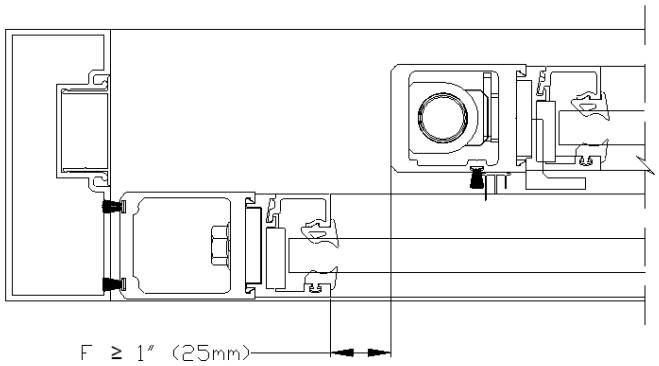


6.11.4 DOOR STOP ADJUSTMENT (TO AVOID FINGER TRAPS)

A. Loosen door stop mounting screws using 10mm socket.



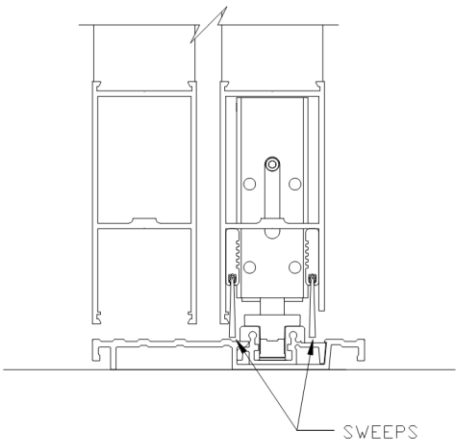
B. Slide Active panel open until a minimum gap of 1" (25mm) is acquired between trailing edge of Active panel and Sidelite glass stop. Slide door stop against Active panel and tighten screws.



F = Safety distance for finger protection

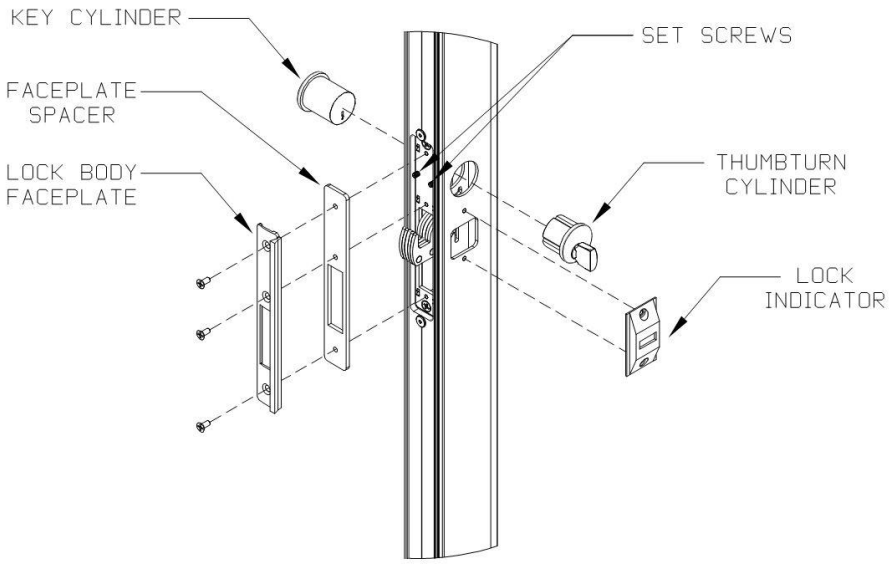
6.11.5 SWEEP ADJUSTMENT

A. Active panels come installed with dual sweeps (interior sweep and exterior sweep). Once panels have been adjusted, use pliers to grab sweeps and pull down until sweeps lightly touch threshold.

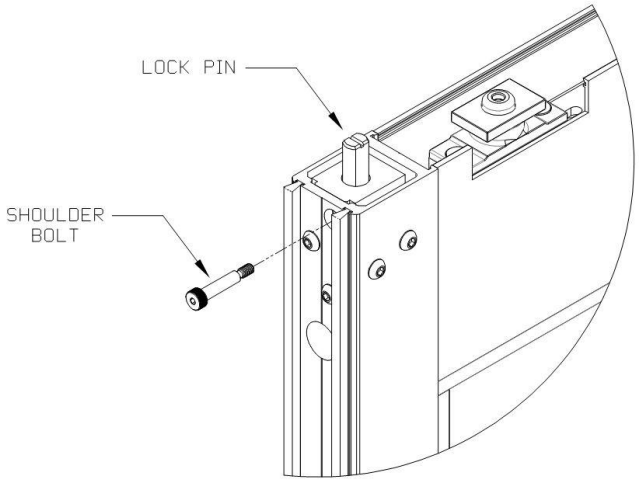


6.11.6 MANUAL LOCK SYSTEM ADJUSTMENT AND RE-KEYING

A. To re-key lock system, remove lock body faceplate and faceplate spacer to access and loosen key/thumbturn cylinder set screws. Install new key cylinder(s) and retighten set screws. Re-install faceplate spacer and lock body faceplate.

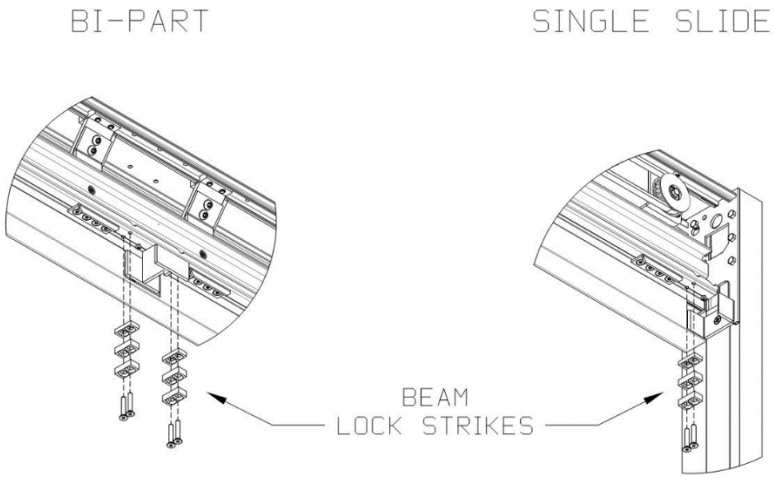


B. To adjust lock pins, remove shoulder bolt from pin guide block. Screw/unscrew lock pin to adjust height. Adjust lock pins for maximum engagement without interfering with door travel in unlocked position or breakout operation. Orient flat sides of lock pin to face interior and exterior and re-install shoulder bolt.

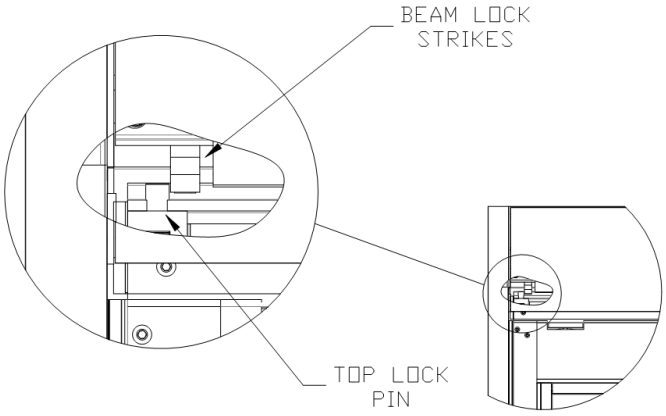


6.11.7 BEAM LOCK STRIKES INSTALLATION

A. With Active panels fully adjusted, determine number of beam lock strikes needed for maximum engagement of top lock pin without interfering door movement and install onto underside of track.

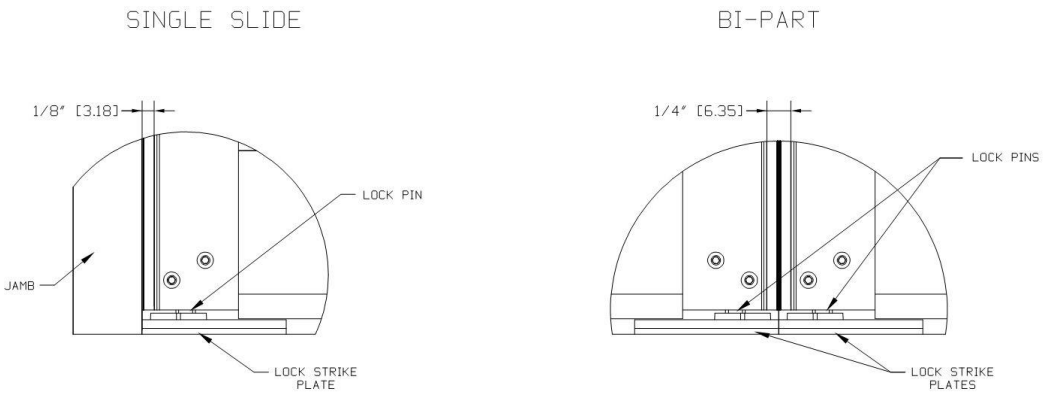


B. Verify that Active panel operates without interference when unlocked and top lock pin engages with beam lock strikes when locked.

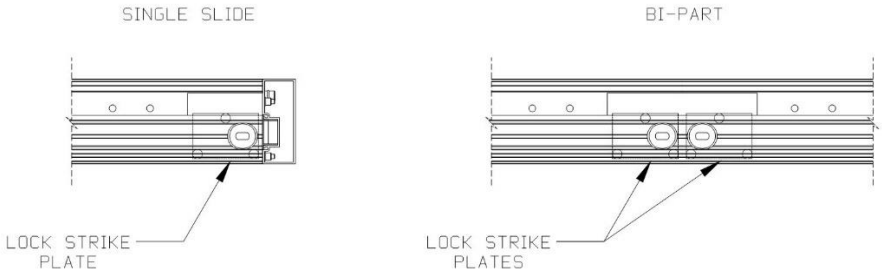


6.12 CLEAR DOOR OPENING THRESHOLD AND LOCK STRIKE PLATE INSTALLATION

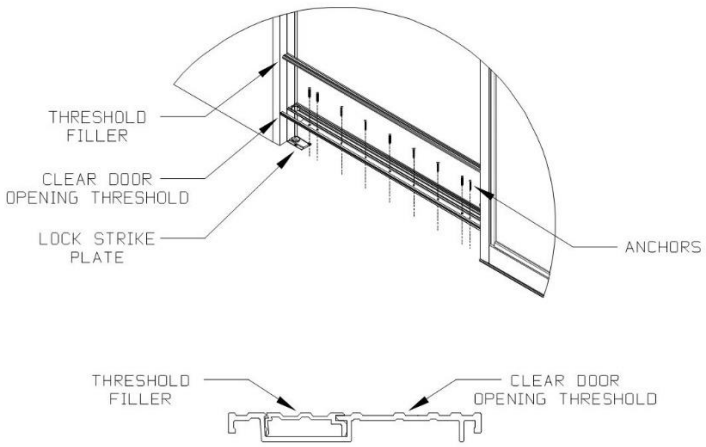
A. With Active panel(s) fully closed and clear door opening threshold removed, place lock strike plate(s) under leading edge of panel(s) beneath bottom lock pin(s). Lock Active panel(s), ensuring bottom lock pin(s) goes through lock strike plate(s). Mark position of lock strike plate(s).



B. Unlock Active panel(s) and slide open. Place clear door opening threshold down in position over lock strike plate(s). Break open Active panel(s) if needed. If lock strike plate(s) does not fit into threshold in marked position, Active panel(s) may need to be readjusted. Once properly positioned, secure lock strike plate(s) to floor with specified anchors.



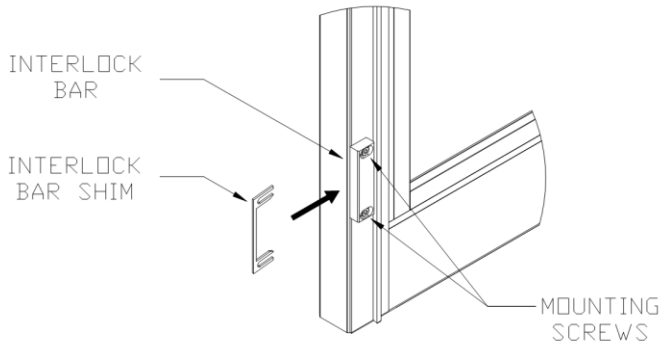
C. Place clear door opening threshold in place and secure with specified anchors. Shim underneath threshold if necessary to keep threshold level. If possible, apply sealant underneath threshold. Install threshold filler. Ensure correct orientation of threshold filler for proper fitment. Close Active panel(s) and check locking for proper function.



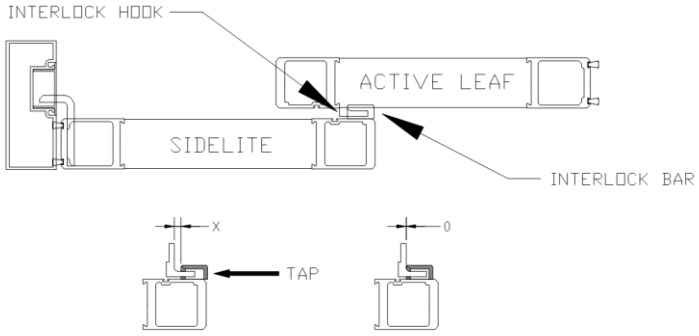
6.13 ADJUSTING INTERLOCKS

A. Check that interlock bars on sidelite panel are at a distance away from active panel to allow interlock hooks to properly engage when doors are closing without any rubbing. If needed, add interlock bar shims.

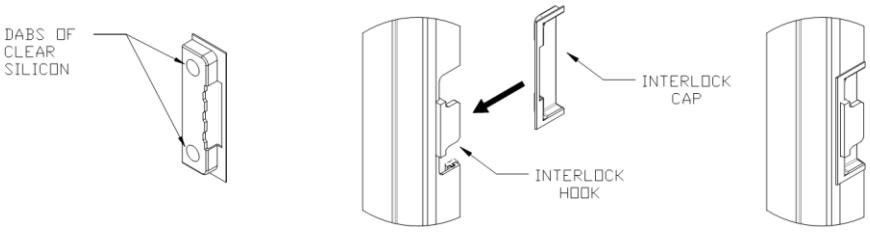
B. To add shims, break open sidelite panel to access interlock bars. Loosen interlock bar mounting screws enough to slide shims behind interlock bars, ensuring shims match orientation of interlock bars. DO NOT COMPLETELY REMOVE SCREWS. Doing so will require realigning nut plate inside sidelite rail with interlock bar using magnet or other methods. Retighten mounting screws.



C. With interlock bars mounted tight enough not to move freely, but loose enough to move by tapping with a rubber mallet, close all panels (non-breakout position) and securely lock package in closed position. Ensure interlock hooks on active panels engage with interlock bars on sidelite panels. Tap interlock bars until contact is made against interlock hooks. Once adjusted, unlock and slide open active panels and break open sidelite panels making sure interlock bars stay in position. Fully tighten interlock bars.



D. Apply two dime-sized dabs of clear silicone onto back of interlock cap as shown below. Install interlock caps onto interlock hooks. Once in place, press firmly on interlock cap to ensure good adhesion. Interlock caps are to be installed after panels have been glazed.

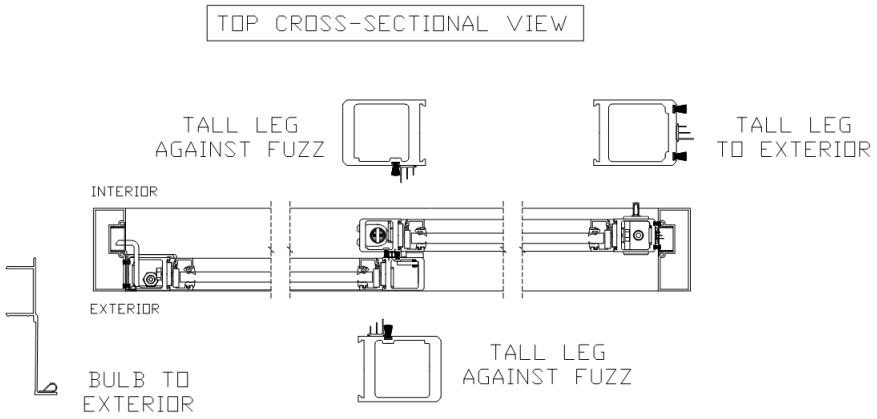


6.14 APPLICATION OF SEALS

A. Clean surfaces to ensure proper adhesion of seals.

B. Apply provided weather seals oriented and located as shown. Sidelite jamb filler(s) has one seal on interior lip. Sidelite panel has one seal on vertical rail farthest from jamb. Active panel has one seal on each vertical rail.

C. Trim seals to length matching sidelite jamb filler and vertical rail lengths.

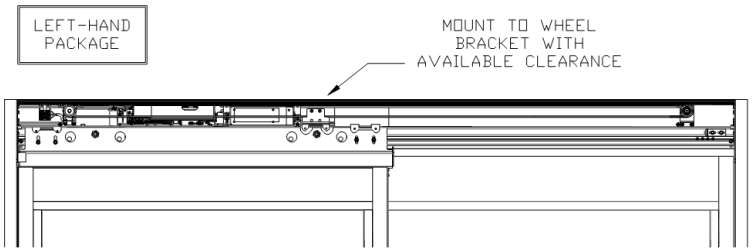


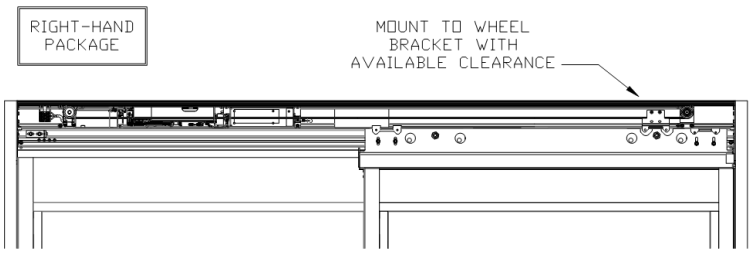
6.15 BELT ATTACHMENT

6.15.1 Single Slide Package

A. Put Active panel in fully closed position.

B. Move factory-installed, lower belt bracket assembly over wheel bracket with available clearance machined on carrier of Active panel. Attach lower belt bracket assembly to wheel bracket using M6x12mm screws provided.



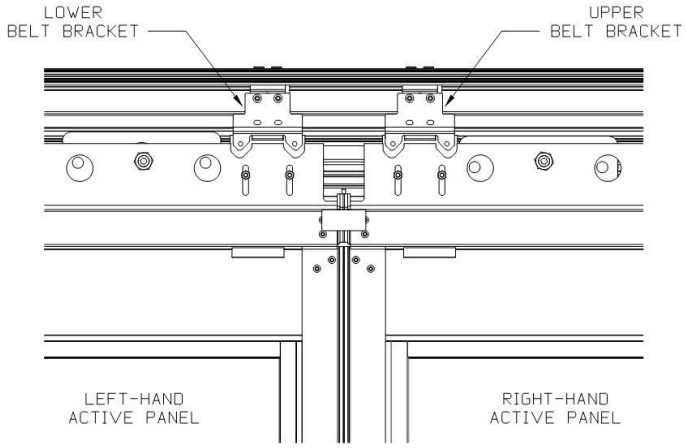


C. Check door panel for proper operation and alignment in fully closed and opened positions.

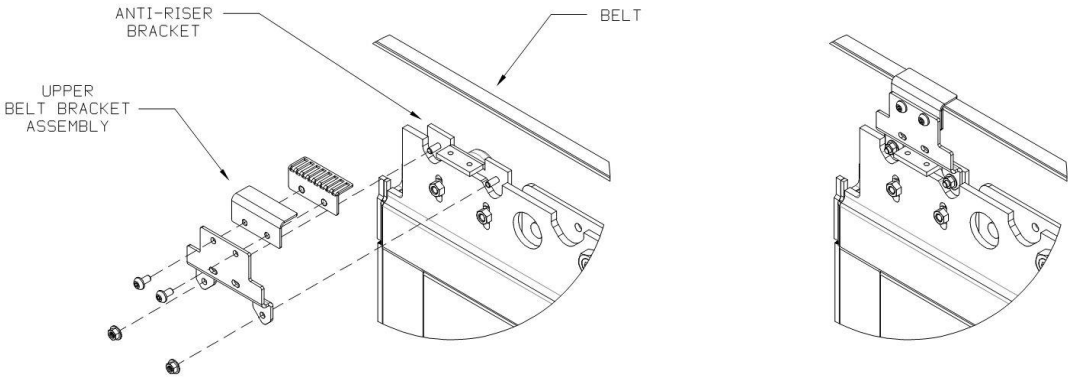
6.15.2 Bi-Part Package

A. Put Active panels in fully closed position.

B. Move factory-installed, lower belt bracket assembly over anti-riser bracket towards leading edge of left-hand Active panel. Attach lower belt bracket assembly to anti-riser bracket using M6 nuts provided.



C. Orient upper belt bracket assembly properly and determine location on belt to line up with anti-riser bracket towards leading edge of right-hand Active panel. Assemble upper belt bracket assembly onto belt. Mount upper belt bracket assembly onto anti-riser bracket using M6 nuts provided.



D. Check door panels for proper operation and alignment in fully closed and opened positions.

6.16 COVER ATTACHMENT

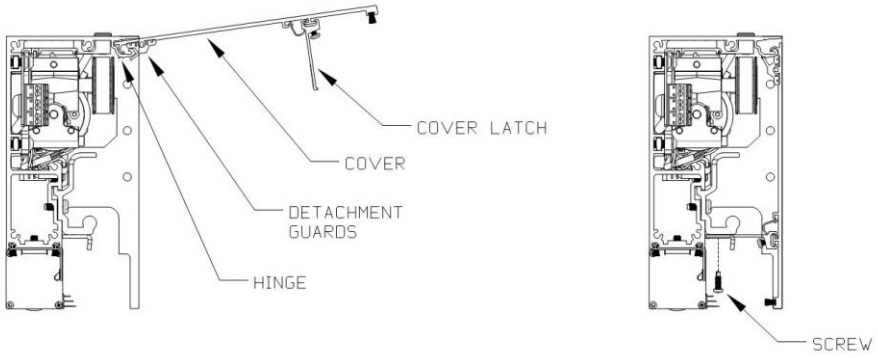
A. To install cover, center cover on beam and hook hinge portion of cover onto beam. Install detachment guards equally spaced down length of beam by snapping onto cover in correct orientation. Connect any wires necessary.

B. To fully remove cover, disconnect wiring to sensors and uninstall detachment guards. Lift cover off of hinge on beam.

C. To latch cover, open cover 90° and push cover in towards beam. Cover will stay suspended in open position.

D. To unlatch cover, lift cover slightly and pull away from beam, thereby allowing cover to swing down and close.

E. To secure cover, unlatch and close cover. Ensure cover screws at ends of track (and also center for bi-part packages) line up with slots of cover latches. Tighten cover screws.



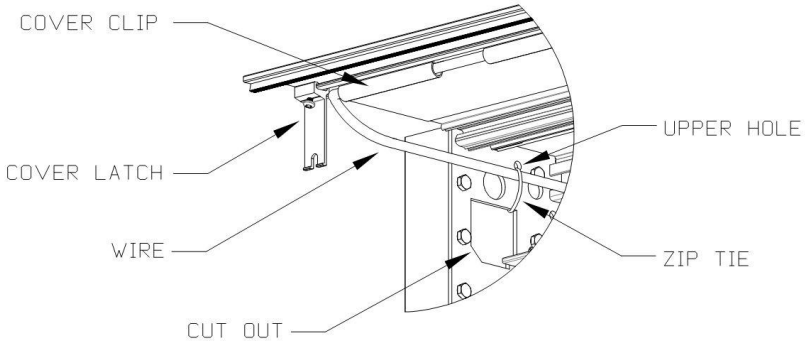
6.17 COVER SENSOR CABLE ROUTING

A. Once sensor on cover has been installed, protect sensor wiring along length of cover using cover clips provided. Space clips no further than 2" (50 mm) apart.

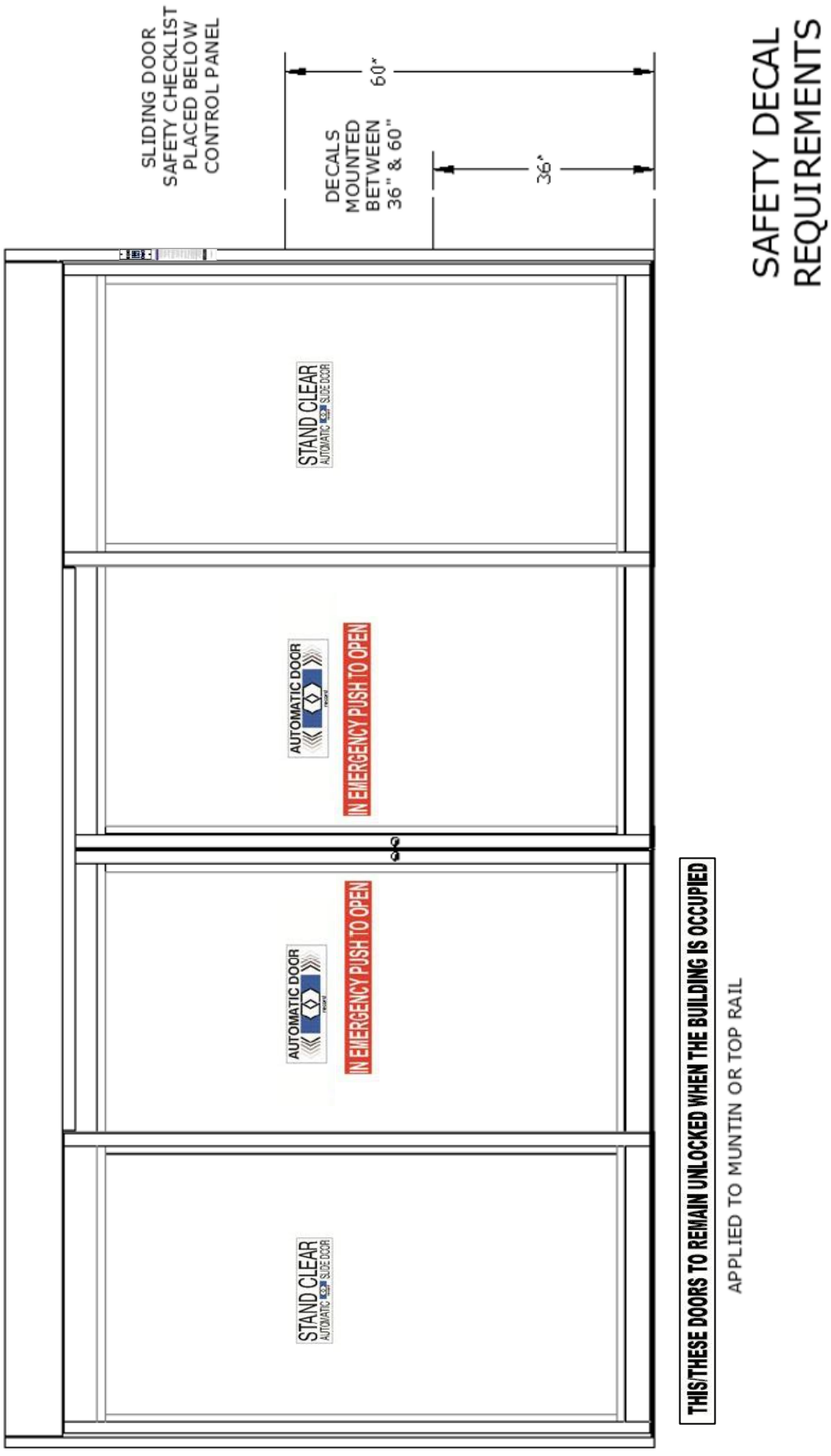
B. Place last clip (closest to end of cover) approximately 1/4" (6 mm) away from end cover latch and route wire between clip and cover latch to beam. Ensure length of wire between header and cover is tight and lies next to cover. Once wire is routed into beam, zip tie wire to jamb mounting plate though small, upper hole and large cutout.

C. Run sensor wire to main control along back wall of beam using factory-installed, rectangular plastic cable holders.

D. Close and open cover to ensure sensor wire does not come into path of any moving parts.

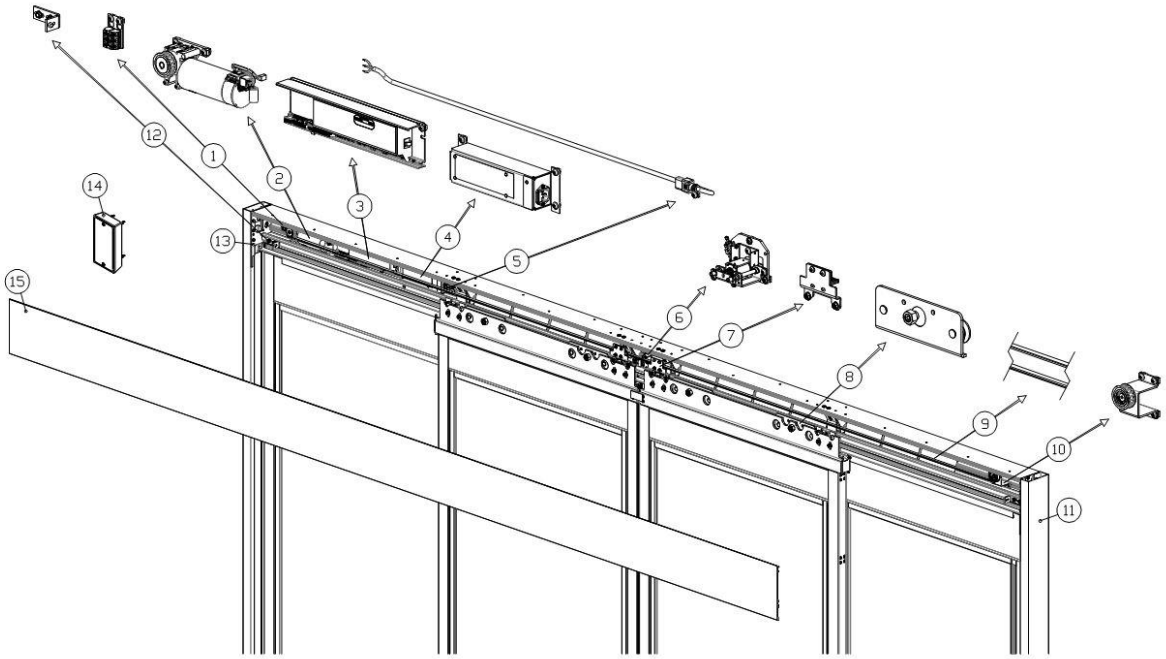


7 SIGNAGE


SAFETY DECAL REQUIREMENTS
SLIDING DOOR SAFETY CHECKLIST PLACED BELOW CONTROL PANEL
DECALS MOUNTED BETWEEN 36" & 60"
60"
36"
STAND CLEAR
AUTOMATIC SLIDE DOOR
AUTOMATIC DOOR
IN EMERGENCY PUSH TO OPEN
AUTOMATIC DOOR
IN EMERGENCY PUSH TO OPEN
STAND CLEAR
AUTOMATIC SLIDE DOOR
THIS/THESE DOORS TO REMAIN UNLOCKED WHEN THE BUILDING IS OCCUPIED
APPLIED TO MUNTIN OR TOP RAIL

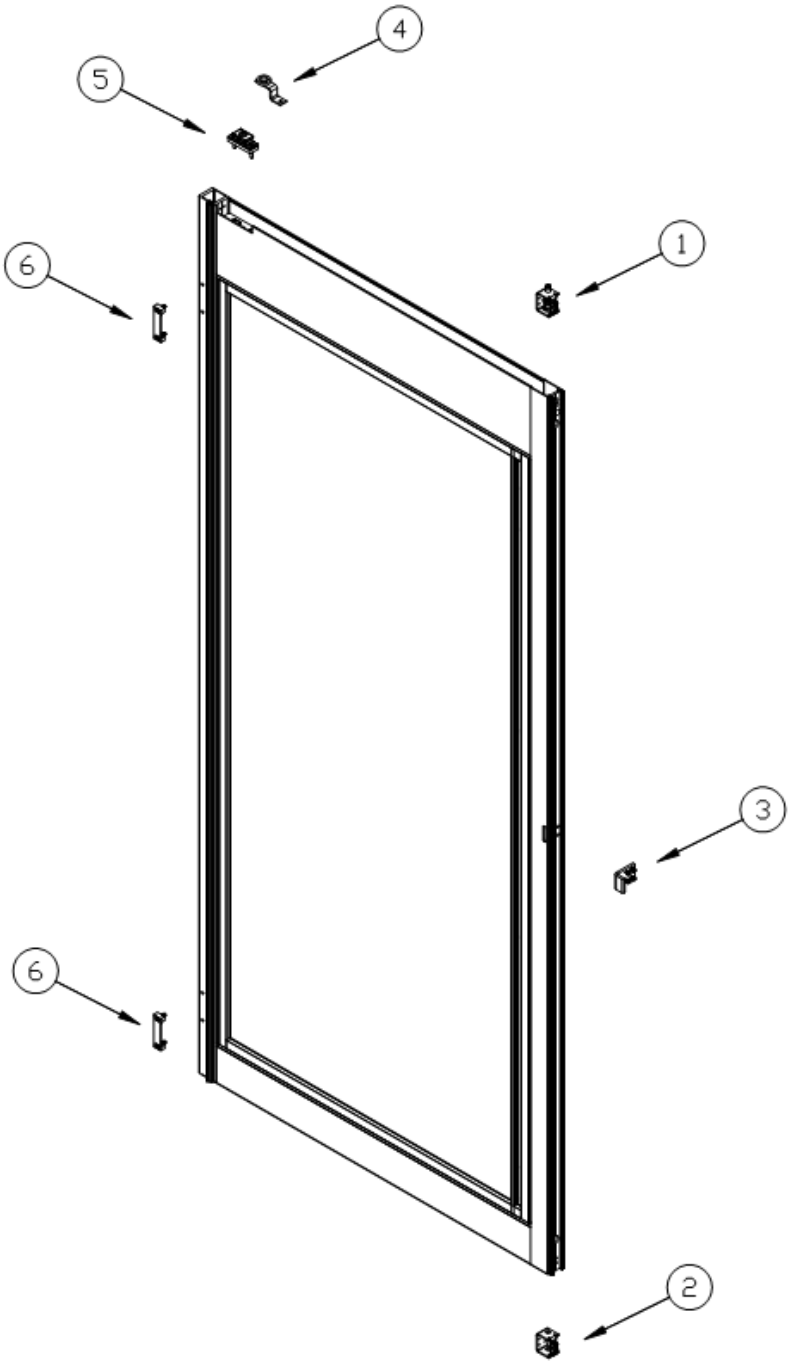
8 PARTS IDENTIFICATION

8.1 HEADER



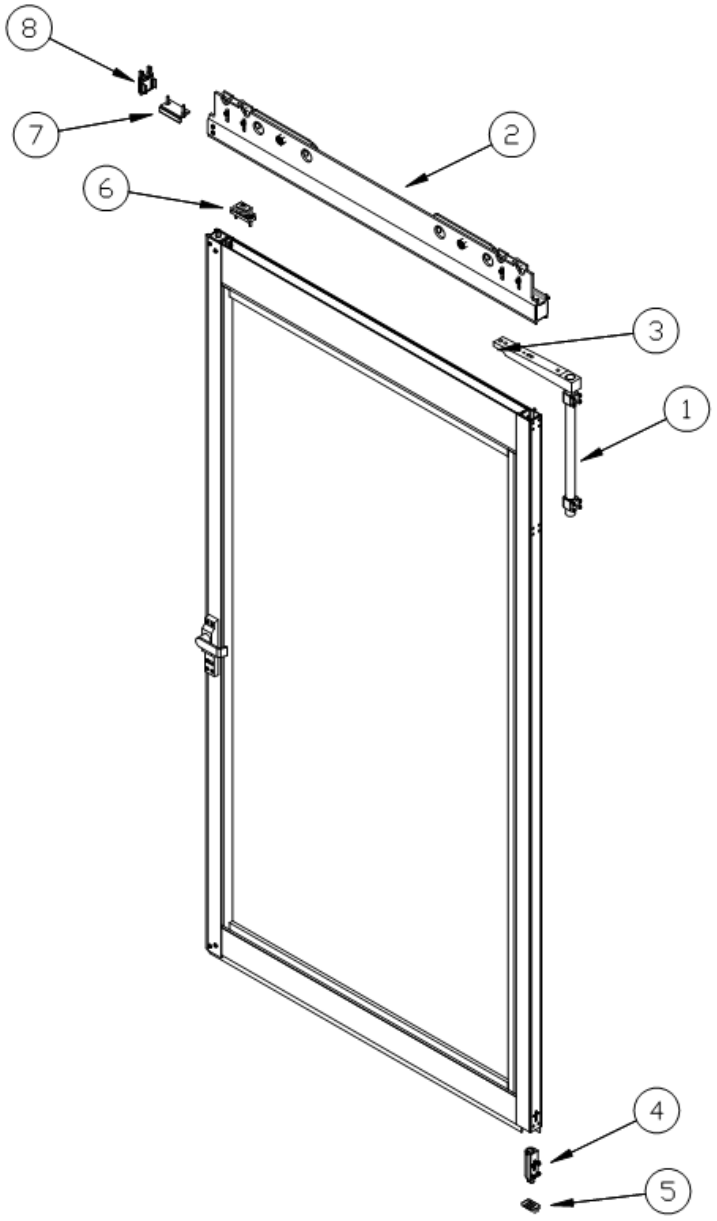
No.	Description	P/N
1	Terminal Block Assembly	4-51-0010
2	Drive unit ATE 20 USA	4-51-0144
3	Control Assembly System 20	9-99-1325
4	Power Supply, Assembly, 110V, System 20	4-51-0142
5	Cord, Power, SJT Jacket	1023457
6	VRR 51 Lock, Electric (Fail Safe/Fail Secure)	202-003815XXX
7	Windcord Belt Bracket Assembly	1023452
8	Tandem Carriage Assembly	1016641
9	Tooth belt	1701406
10	Idler Pulley Assembly, 5100 Series	4-51-0006
11	Jamb	US01-0931-LLXX
12	Hurricane Door Stop Assembly	1016967
13	Record Hurricane, Beam End Plate	1022928 (E - right) 1022929 (F - left)
14	Control Module, Display, Molded Enclosure	4-51-0818
15	Record Hurricane Extrusion, Cover	1022921

8.2 FULL BREAK-OUT SIDELITE PANEL



No.	Description	P/N
1	Top Pivot Assembly	1012549
2	Bottom Pivot Assembly	1012548
3	Kit, Jamb Interlock Hook	1018092
4	Kit, Hurricane, S/L B/O Magnet	1019546
5	Ball Catch Kit, Sidelite Door Portion	1017039
6	XG Kit, Hurricane Interlock Bar	1018093

8.3 ACTIVE PANEL PANIC BREAK-OUT SYSTEM



No.	Description	P/N
1	Panic Swing Away (PSA) Arm	1017036
2	Door Carrier	1015669
3	Adjustment Plate	US03-0545-02
4	Hurricane Pin Guide Assembly	1016658
5	XG Hurricane Tee Block	1016649
6	Ball Catch Kit, Door Portion	1017039
7	Ball Catch Receiver, Carrier Portion	US05-1609-01
8	Hurricane Carrier End Cap Assembly	1008774

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