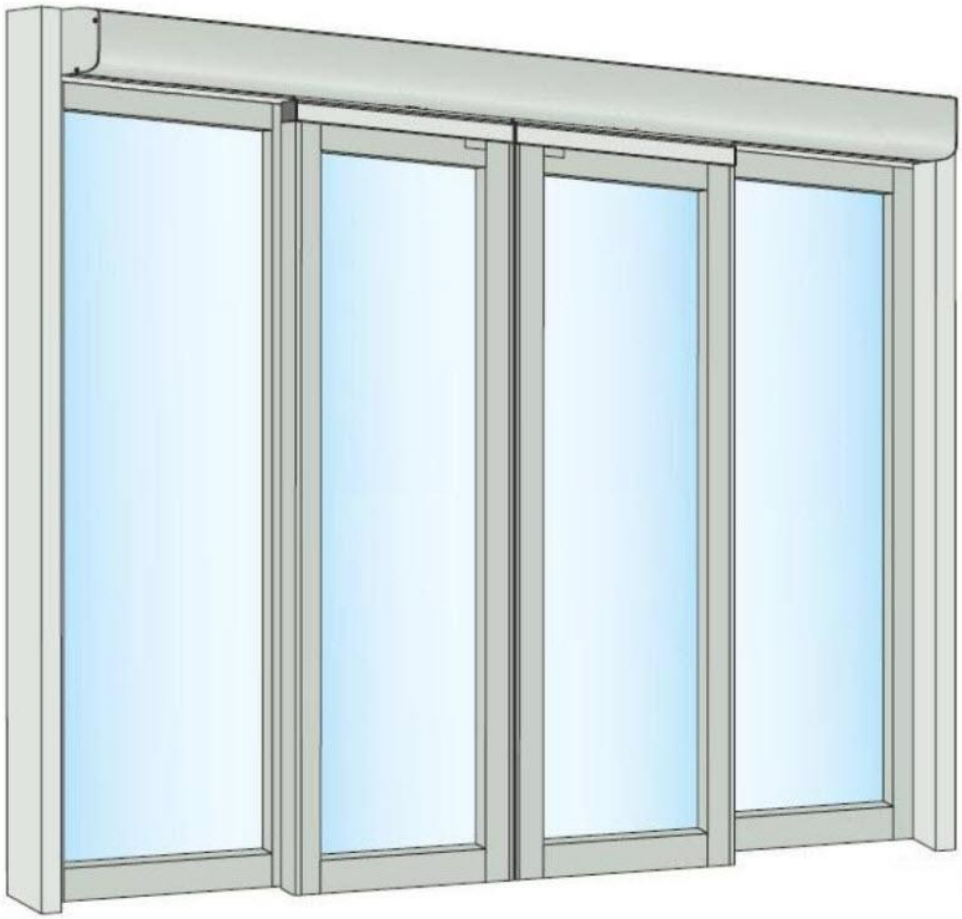
Besam UniSlide™ Resilience Package

Installation and Adjustment Addendum Manual



Complies with ANSI/BHMA A156.10 for Power Operated Pedestrian Doors, UL 325 Listed

Revisions

The following pages have been revised:

Page	Revision
7	Glass thickness column added to glazing options chart

Table of Contents

About this Manual

Addendum Manual

This is an addendum to Besam UniSlide manual p/n US23-0920-02. This manual in conjunction with the Besam UniSlide manual is to be utilized as a complete set of installation instructions for UniSlide Resilience packages.

The Besam UniSlide Resilience manual p/n US23-0999-03 is to be used as the primary manual for the mechanical installation of the UniSlide Resilience door system. The standard Besam UniSlide PL manual p/n US23-0920-02 is to be utilized for electrical connections and adjustment, troubleshooting and any other area not covered by the UniSlide Resilience Addendum manual.

Installation & Adjustment Procedures

Installation and adjustment procedures and for all UniSlide Resilience packages must be strictly followed.

This manual follows an “as tested” certified process for the mechanical assembly and installation of the door. The assembly and installation instructions referenced and contained herein and must be followed without deviation to maintain the product’s performance and certifications.

IMPORTANT

IMPACT DOOR PANELS MUST BE GLAZED 21 DAYS PRIOR TO INSTALLATION. REFER TO GLAZING INFORMATION AND PROCEDURES FOR FURTHER DETAILS.

Introduction

Besam UniSlide Resilience packages are approved for overhead concealed installations in wood, steel, masonry or concrete substrates. Applications include, but are not limited to, high velocity wind zones where high wind load and impact certifications are required. Refer to the Technical Specifications section for more detailed application and testing performance data.

A Besam UniSlide package ensures all-around safety. It can be combined with the full range of Besam safety systems, such as the Besam UltraView presence and motion detector with threshold safety. UltraView is factory installed and wired for quality and has been tested with the Resilience package as a semi-concealed sensor. The UltraView sensor also employs safety monitoring to give your application the highest level of performance and safety at all times.

Design

The Besam UniSlide Resilience packages were designed utilizing the standard UniSlide package with performance enhancements such as solid lock rod guides, heavy-duty pivots and steel inserts for strength. Single action locking and unlocking has been incorporated into the Resilience package to meet egress code requirements and to make this heavy-duty system more convenient for the customer to use.

Resilience design enhancements provide a safe and secure opening during extreme conditions including high winds and windborne debris.

Packages

- Full Breakout Single Sliding, Impact
- Full Breakout Bi-Parting Sliding, Impact
- Full Breakout Single Sliding, Non-Impact
- Full Breakout Bi-Parting Sliding, Non-Impact
- Fixed Sidelite Single Sliding, Impact
- Fixed Sidelite Bi-Parting Sliding, Impact
- Fixed Sidelite Single Sliding, Non-Impact
- Fixed Sidelite Bi-Parting Sliding, Non-Impact

Options

All UniSlide Resilience models have the options of Narrow, Medium or Wide vertical stiles as well as five, seven or ten inch bottom horizontal rails.

FBO models are available as an access and egress control package with panic exit hardware.

Note: Style and use of panic device must meet local, state and national codes where applicable.

Sidelite and active leaf dampeners are offered to limit and dampen the breakout movement of the door panels.

Threshold lead-ups are available for all Resilience packages.

Important Safety and Technical Information

Hazard Warning!

Failure to observe the information in this manual may result in minor personal injury or damage to equipment. Save these instructions for future reference.

Important Safety Instructions for Use

To avoid bodily injury, material damage and malfunction of the product, the instructions contained in this manual must be strictly observed during installation, adjustment, repairs and service. Only Besam-trained technicians should be allowed to carry out these operations. Save these instructions.

Electronic Equipment Reception Interference

This equipment may generate and use radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, it may cause interference to radio, television reception or other radio frequency type systems. It has been designed to comply with the emission limits in accordance with EN 61000-6-3 (US Market FCC Part 15), which are designed to provide reasonable protection against such interference in a residential installation.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna.
- Relocate the receiver with respect to the equipment.
- Move the receiver away from the equipment.
- Plug the receiver into a different outlet so that equipment and receiver are on different branch circuits.
- Check that protective earth (PE) is connected.

If necessary, the user should consult the dealer or an experienced electronic technician for additional suggestions.

Environmental Requirements

Besam products are equipped with electronics and may include batteries containing materials that are hazardous to the environment. Remove and properly dispose of hazardous materials.

Technical Specifications

Item	Specifications
Control & Accessories	
Main Power Supply	100V AC –15% to 240v AC +10% 50/60 Hz, 3 Amp
Power Consumption	Max. 250W
Auxiliary Voltage	24V DC, 0.64 Amp (640 mA)
Control Box Fuse	6.3 Amp (6,3 AT)
Hold open time	0-60 Seconds
Ambient Temperature	-35C to +50C (-31 to +122F)

Maximum Door Weight	
Active leaf	220 LBS
Sidelite	220 LBS

Clear Opening	Bi-Part	Single Slide
Clear Door Opening Height	82”	82”
Clear Door Opening Width	72”	35”

Test Protocols	
Air Infiltration Test	TAS 202, ASTM E 283-99
Forced Entry Test	ASTM F-842-97 “&” F-588-97
Impact, Large Missile	TAS 201, ASTM E 1996-02
Cyclical Test	TAS 203, ASTM E 1996
Static Air Pressure (Structural Test)	TAS 202, ASTM E 330-97
United States Standards	UL325
Canadian National Standards	CAN/CSA-C22.2
Glass Load Resistance	ASTM E1300-02
ICC/ICBO	ANSI/ASQC Q9002 (ISO-9002)

Approvals		
Florida Statewide Approval	FL# 5436	FBC 2004 & 2007
Miami-Dade Product Control	NOA 10-0217.06	Large & Small Missile Impact – FBO Only

Approved Glazing Options				
Glazing	**Lite 1**	**Interlayer / Laminate**	**Lite 2**	**Overall Thickness**
Impact	3/16” HS	.090” Saflex® PVB by Solutia	3/16” HS	7/16”
	3/16” HS	.090” SentryGlas® Plus by Dupont	3/16” HS	7/16”
Non-impact	1/4” Tempered	N/A	N/A	1/4”

*Wet glaze impact glass with DOW 995 Silicone; Follow manufacturer’s instructions for storage, application & disposal.

Pre-Installation Considerations

Questions

Before installing a door package, certain aspects of the installation should be considered.

- Is the package Impact or Non-Impact?

Impact doors are wet glazed the structural glazing sealant requires a minimum of 21 days to fully cure. The sealant must be given adequate time to properly cure before handling and/or installing the door system.

- What are the site conditions for the installation?

Different types of fasteners are required for installation to concrete, wood or steel. Refer to the installation instructions for fastener requirements applicable to various substrates.

- Will the threshold require lead up on either side?

The UniSlide Resilience comes standard with a continuous 4-½" x ½" threshold. This threshold does not come with lead up on either side unless otherwise requested on the options page of the sales form.

- How level and square is the door opening?

Maximum shim space is ¼". If conditions do not allow for this, correct the opening before beginning with the installation.

- What is the condition of the floor?

Threshold shims may not exceed ¼". Gap between the threshold and the door bottoms may not exceed ¼". If the floor conditions do not allow for this, correct the floor condition before beginning with the installation.

- Are the proper tools and manpower available for the installation?

The UniSlide Resilience package is a heavy door package. Utilizing the proper tools and personnel will speed up the installation as well as help to prevent personal injury. For additional information, refer to Installation Requirements / Recommended Tools.

- Has the door package been inspected?

Inspect and verify the entire door system for correct size, quality and for any parts that may be missing before heading to the installation site.

UniSlide Installation Manual

Please read and understand the standard UniSlide installation manual before installing a UniSlide Resilience package. The UniSlide Resilience manual is only an addendum to the UniSlide manual and both manuals should be utilized for the proper installation and setup of the door system giving preference to the differences pointed out in this manual when installing a Resilience package.

Installation Requirements & Site Inspection

Installation Requirements

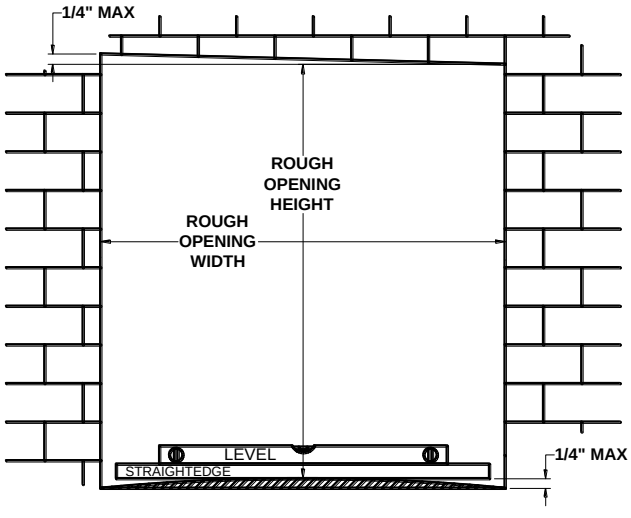
To ensure that the UniSlide Resilience package that is being installed will meet the specifications and PSF ratings as indicated, the installation of the package needs to be installed as it was tested to keep the “as tested” certification. This is extremely critical and means that every installation step must be followed. Large gaps under the doors, large shim packs and poor adjustment of the doors are not acceptable.

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

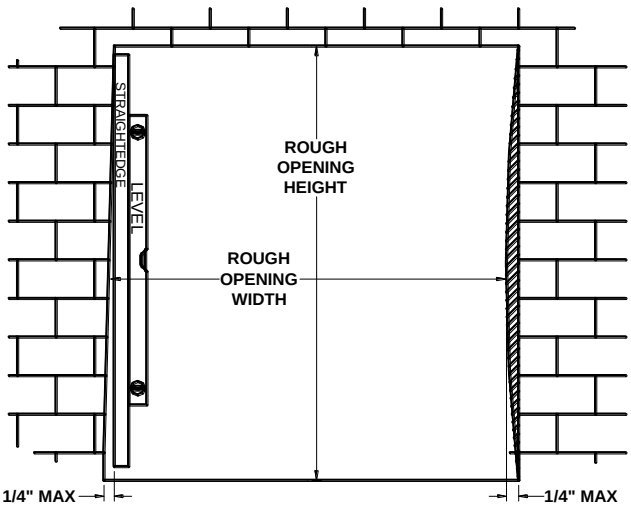
Site Inspection

Inspect the door opening to ensure that there are no dips or high spots in the floor that are going to hinder adjustment of the door panels in later steps. It is also critical that the opening is not trapezoidal. The tolerance for the opening is ¼” along each jamb, across the top of the header and along the threshold. Correct any non-conforming conditions in the opening or floor before continuing with the installation

FIG 1.0 OPENING TOLERANCE



ROUGH FLOOR SURFACE CANNOT VARY BY MORE THAN 1/4" FROM LEVEL.
HEADER CANNOT VARY BY MORE THAN 1/4" FROM LEVEL.
CHECK WITH LEVEL AND STRAIGHTEDGE.
CORRECT NON-CONFORMING CONDITIONS. 1/4" SHIM SPACE MAXIMUM.



JAMBS CANNOT VARY BY MORE THAN 1/4" FROM PLUMB.
CHECK WITH LEVEL AND STRAIGHTEDGE.
CORRECT NON-CONFORMING CONDITIONS. 1/4" SHIM SPACE MAXIMUM.

Personnel

It is recommended that two persons install a UniSlide Resilience package. Although the header is only minimally heavier than our standard UniSlide package, impact door panels can weigh up to 220 pounds. Using approved glass cups to move and set the doors is highly recommended for the safety of the installers and protection of the door panels. This will also ease the installation process and decrease the overall installation time.

Recommended Tools

- Approved Glass Suction Cup (2 recommended)
- 10 mm Nut Driver / 10 mm Combination Wrench
- Standard & Metric Allen Wrenches
- Side Cutters
- Electric or Pneumatic Caulking Gun
- 7’ Straight Edge / 4’ Level
- ½” Drill / Screw gun & #2 & #3 Phillips Screw bits + 8” Extension
- Extended Drill Bits –appropriate type for the installation substrate & size for the installation anchors to be used
- ½” Drill Bit for metal
- 6mm Tap
- Rubber or Soft Faced Mallet

Installation Notes

Anchoring Requirements

Screws specific to the installation substrate must be used for the anchoring the UniSlide Resilience door system. Anchor requirements must be determined prior to the installation based on the installation site conditions. *Substrates other than wood, steel, concrete or masonry are not acceptable.*

Installation anchors and associated hardware must be made of corrosion resistant material or have a corrosion resistant coating.

Anchors are not included with the package.

- Wood: #14 x 3 FH SS Wood Screw, 1-½" minimum embedment and 1" minimum edge distance.
- Concrete: ¼" ITW Tapcon, 1-3/4" minimum embedment and 2-1/2" minimum edge distance.
- CMU: ¼" ITW Tapcon, 1-1/4" minimum embedment and 2-1/2" minimum edge distance.

Minimum embedment and edge distance exclude wall finishes including but not limited to stucco, foam, brick veneer and siding.

For hollow and/or grout filled block, do not place installation anchors into mortar joints. Edge distance is measured from free edge of block or edge of mortar joint into face shell of block.

Anchors shall be installed in accordance with manufacturer's installation instructions.

Installation anchor capacities for products herein are based on substrate materials with the following properties:

- Wood: Minimum specific gravity of 0.55
- Concrete: Minimum compressive strength of 3192 psi
- Masonry: Strength conforming to ASTM C-90, Grade N, Type1

ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY, WOOD AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT.

Shims

Shim as required at each anchor location with load bearing shims. Maximum allowable shim space is ¼"; Shim where space of 1/16" or greater occurs. Shims shall be constructed of high density plastic or better. Shims are not supplied with the door package.

Glazing Information

Impact Glass

Impact panels must be glazed 21 days prior to installation to allow proper curing.

See instructions on *Page 19* for the Wet Glazing procedure.

Laminate

Approved laminates for UniSlide Resilience Impact Doors are:

.090” Saflex® PVB by Solutia

.090” SentryGlas® Plus by DuPont

All impact glass is laminated with two pieces of 3/16” (5mm) heat strengthened glass and weighs approximately 5 lbs/ft^2.

Impact Glazing Adhesive

Approved impact glazing adhesive is DOW 995 Structural Silicone.

Special Care

When glazing UniSlide Resilience impact door panels, special care must be given to the entire process. Only Dow 995 structural silicone can be used for glazing and the manufacture’s recommendations for applying the product must be strictly followed. This includes cleaning all the metal and glass surfaces. All application surfaces must be free of grease, oil, or debris of any kind.

Follow the manufactures recommendations for the ambient temperature and humidity in the area where the door panels will be stored while the silicone is curing.

For Dow 995 to properly cure, glazed door panels must be stored undisturbed for a minimum of 21 days.

Take great care to do a clean job of applying the silicone, use masking techniques to minimize the spread of the silicone over the glass and aluminum stops.

Non-Impact Glass

Non-impact glazing is dry with vinyl compression gasketing.

Non-impact door panels may be glazed prior to or during package installation.

Mechanical Installation

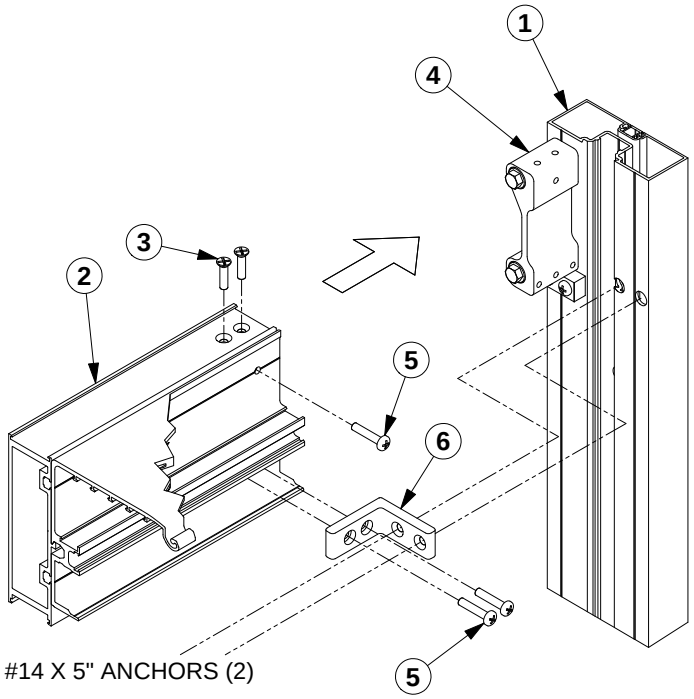
Procedure

1. **Glazing**: Full-impact panels must be glazed 21 days prior to installation to ensure proper curing. Non-impact door panels may be glazed prior to or during package installation. Ref. Page 19

2. **Unpack**: Confirm correct finish, size & glazing. Check for missing and/or damaged hardware or parts. Verify all tools and materials required for the installation are on hand.

3. **Verify Opening**: Inspect door opening. Floor and header must be level within ¼". Jambs must be plumb within ¼". Confirm rough opening size and determine shimming requirements, ref. FIG 1.0 Opening Tolerance

4. **Assemble Frame**: Fasten jambs to the header using the supplied screws and hardware, ref. FIG 1.1 Jamb Attachment



REF	P/N	DESCRIPTION
1	US15-0642	JAMB TUBE ASSEMBLY
2	US23-1150	HEADER ASSEMBLY
3	52-09-004	1/4-20 X 1" FHP SCREW
4	US04-0647	MOUNTING BLOCK
5	US09-0377	1/4-20 X 1-1/4" PHP SCREW
6	US03-0646	SUPPORT ANGLE

FIG 1.1 – JAMB ATTACHMENT

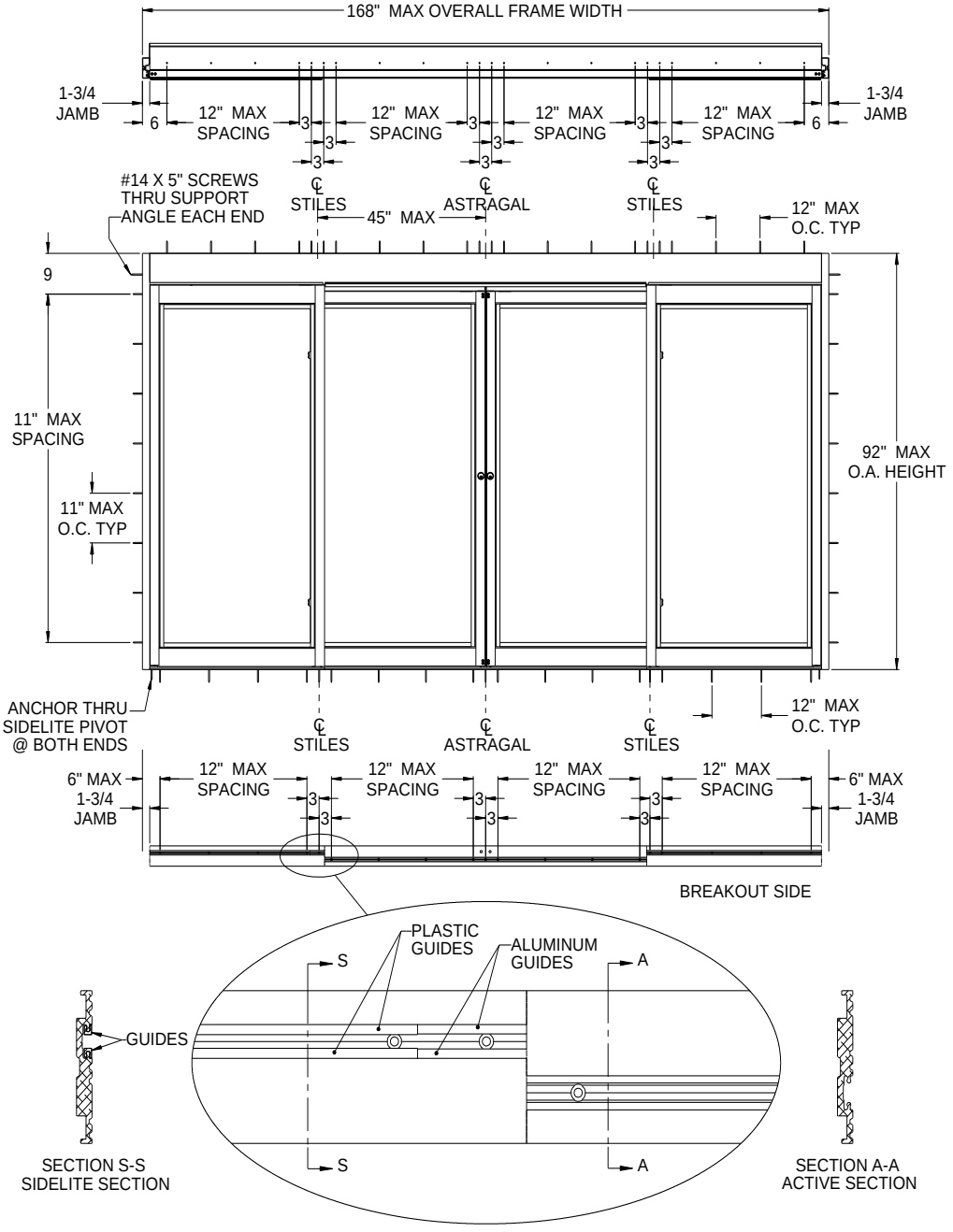
5. **Tilt Frame**: Using appropriate manpower, tilt the assembled jambs and header into the opening. Install shims as required to plumb and level the jambs and header.

6. **Re-check Square, Level & Plumb**: Install anchors at top and bottom of each jamb to hold the frame in place. Re-check plumb of each jamb and across corners. Re-check header for level.

7. **Shim & Anchor Frame**: Shim as required at each anchor location with load bearing shims. Maximum allowable shim space is ¼"; Shim where space of 1/16" or greater occurs. Using anchors of the appropriate type and length, fasten the jambs and header through each pre-drilled hole. Install jamb covers.

8. **Install Threshold - FBO**: The FBO Bi-Part threshold is divided into three sections; Left Sidelite, Right Sidelite and Active (center). The Single Slide threshold is in two sections; Sidelite and Active. Anchor holes for all FBO thresholds are factory fabricated. Ref. FBO Anchor Detail, below.

   Install threshold components as shown. Aluminum guides MUST be oriented toward the active threshold section to engage the active leaf pin guide when the door is closed. The active section is oriented 180° from the sidelite section so that the guide tracks are opposite. After anchoring, install the threshold guide track cover on the active section.



FBO ANCHOR DETAIL

9. **Install Threshold – FSL**
   - Layout & mark the locations of the exterior side anchor holes on of threshold following spacing shown for Bi-Part or Single Slide, ref. FIG 1.2 and 1.3
   - Drill and countersink the exterior side holes.

   - Install the Threshold Cover P/N US01-517, ref. FIG 1.4
   - Position and clamp the G-channel to the threshold as shown in FIG 1.4 Drill holes into threshold through each predrilled hole in the G-channel
   - Place threshold on floor between jambs, shim as required to level.
   - Drill Pilot holes into floor through each hole in the threshold.
   - Place G-channel on threshold. The notched end should be toward the jamb and the open side facing the exterior.
   - Install anchors to secure the threshold and G-channel in place.

FIG 1.2 - FSL BI-PART THRESHOLD ANCHOR DETAIL

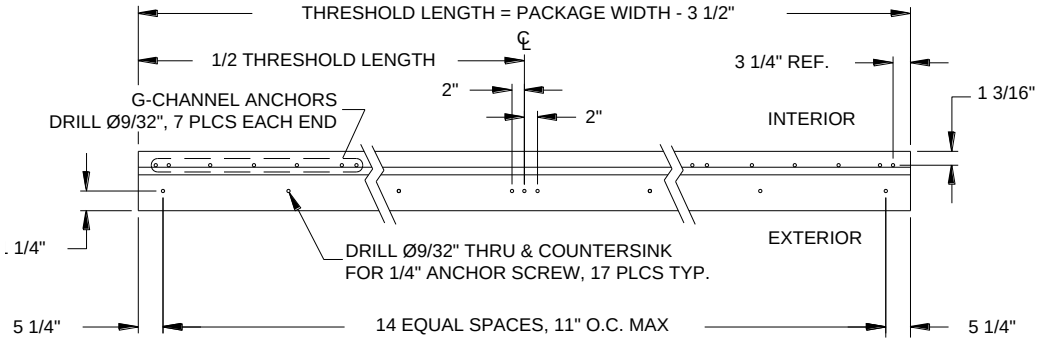
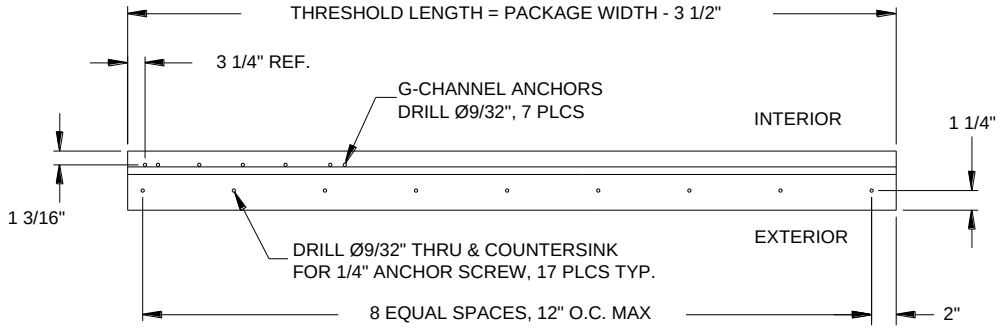


FIG 1.3 - FSL SINGLE SLIDE THRESHOLD ANCHOR DETAIL



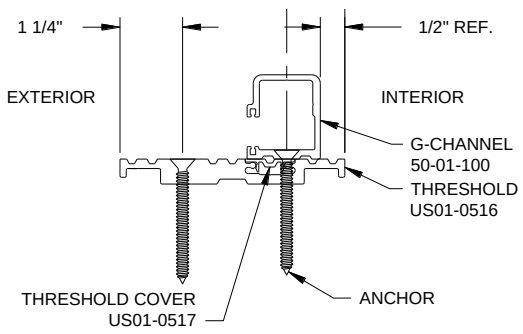


FIG 1.4 - G-CHANNEL LOCATION

10. **Install Sidelite(s)**: Refer to UniSlide Sidelite Installation Procedures UniSlide Installation Manual.

11. **Sidelite Adjustment**: Adjust panels as described in the UniSlide Installation Manual.

NOTE Minimum threshold clearance required for FBO sidelites is 3/16”

12. **Install Sidelite Strike – FBO**: Adjust sidelite Ball Detent so that the ball contacts the threshold and marks its position. Place the strike on the threshold centered over the ball path. Mark the fastener holes on the threshold then drill and tap for M6 screws. Secure the strike on the threshold and adjust ball catch clearance. ref. FIG 1.5

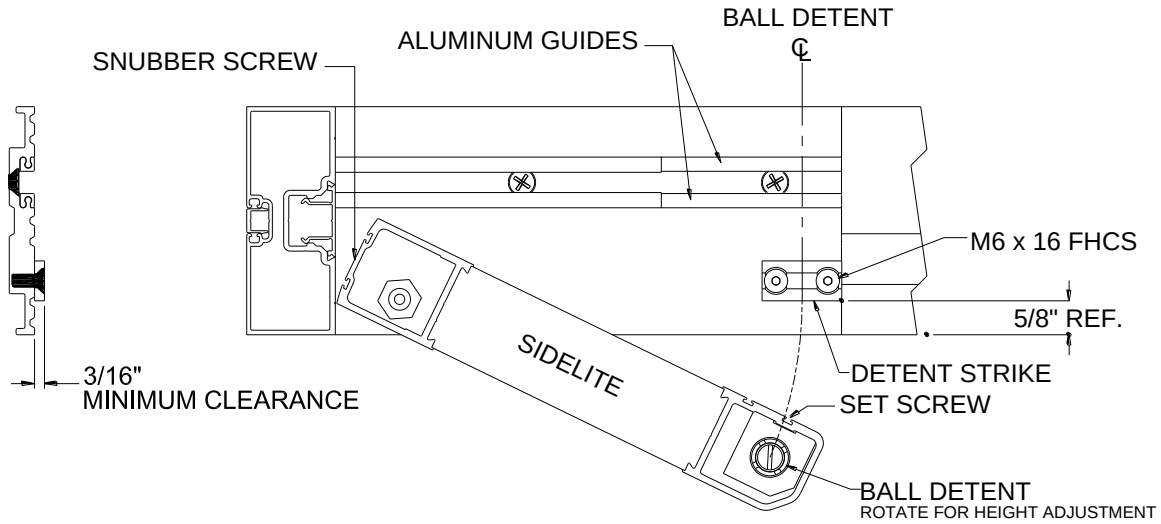


FIG 1.5 FBO SIDELITE BALL DETENT & SNUBBER SCREW

13. **Install Sidelite Snubber - FBO**: Break open the sidelite and install the M6 X 20 SHCS jamb snubber screw located at the midpoint of the pivot stile. ref. FIG 1.5

14. **Active Leaf Roller Guide Adjustment - FSL**: Follow the instructions for the Active Leaf Roller guide in the UniSlide Installation Manual.

15. **Install Active Leaves**: Follow the instructions for “Hanging Active Door Leaves” and “Active Leaf PSA Adjustment” in the UniSlide Installation Manual. Remove rubber band from the Pin Guide and slide washer and pin onto threshold until pin engages in threshold slot between guides.

16. **Active Leaf Adjustment**: Adjust panels as described in the UniSlide Installation Manual. Minimum required threshold clearance is 3/16”. Check breakout and adjust PSA arm as needed to vertically align the ball catch.

17. **Drive Belt**: Connect and adjust the drive belt following the instructions for “Attachment of Tooth Belt Fittings” and “Checking and Adjusting the Belt Tension” UniSlide Installation Manual.

18. **Ball Catch Adjustment**: Adjust ball catches as described in the UniSlide Installation Manual.

NOTE **Do not adjust or align locking system until all door adjustments are complete.**

18. **2-Point Lock Alignment & Adjustment**: All components of the 2-point locking system MUST be correctly aligned and adjusted for proper operation and engagement of the locking system. Make sure that doors are fully closed prior to making lock alignments and adjustments.

    To adjust the top or bottom bolt, the Lock Rod Guide Block and Guide block shim must be removed. Adjust the bolt to the desired length by rotating it ccw to lengthen or cw to shorten, and then re-install the Guide Block & Shim.

    a. **Top Bolt**- The top portion of the 2-Point system consists of the top bolt, lock rod guide block and guide block shim located in the door panel, a lock pin assembly located in the carrier and a strike plate kit mounted to the header. Break open door panel and adjust bottom lock rod up far enough to allow operation of the lock with the door closed, approximately ¾". Check alignment of the carrier lock pin with the header strike plate. Adjust position of the lock pin assembly as needed. Close door, operate lock and verify that it operates freely and engages the lock pin. Door should not slide or breakout.

    b. **Bottom Bolt** - The bottom portion of the 2-Point system consists of the bottom bolt, lock rod guide block, guide block shim and a ½" hole fabricated in the threshold. Breakout door, adjust lock pin to clear the threshold by 1/8" or less. Swing door to ensure there is no interference with the floor. Close door, mark the lock pin position on the threshold. Partially engaging the lock will allow the pin to create a mark on the threshold. Breakout door, drill ½" hole thru the threshold. Close door, operate lock and verify that it operates freely and fully engages. Doors should not slide or breakout.

19. **Interlock Installation & Adjustment - FBO**: Install interlocks on active leaf stile(s) as shown in FIG 1.5

20. **Sidelite Sweep(s) - FBO**: Fasten the sweep to the bottom exterior side of each door panel and adjust so that they are just brushing the threshold.

21. **Active Leaf Sweep - FBO**: Adjust height of sweep to contact top of threshold.

22. **Active Leaf Sweep - FSL**: Fasten the sweep to the bottom exterior side of each door panel and adjust so that they are just brushing the threshold.

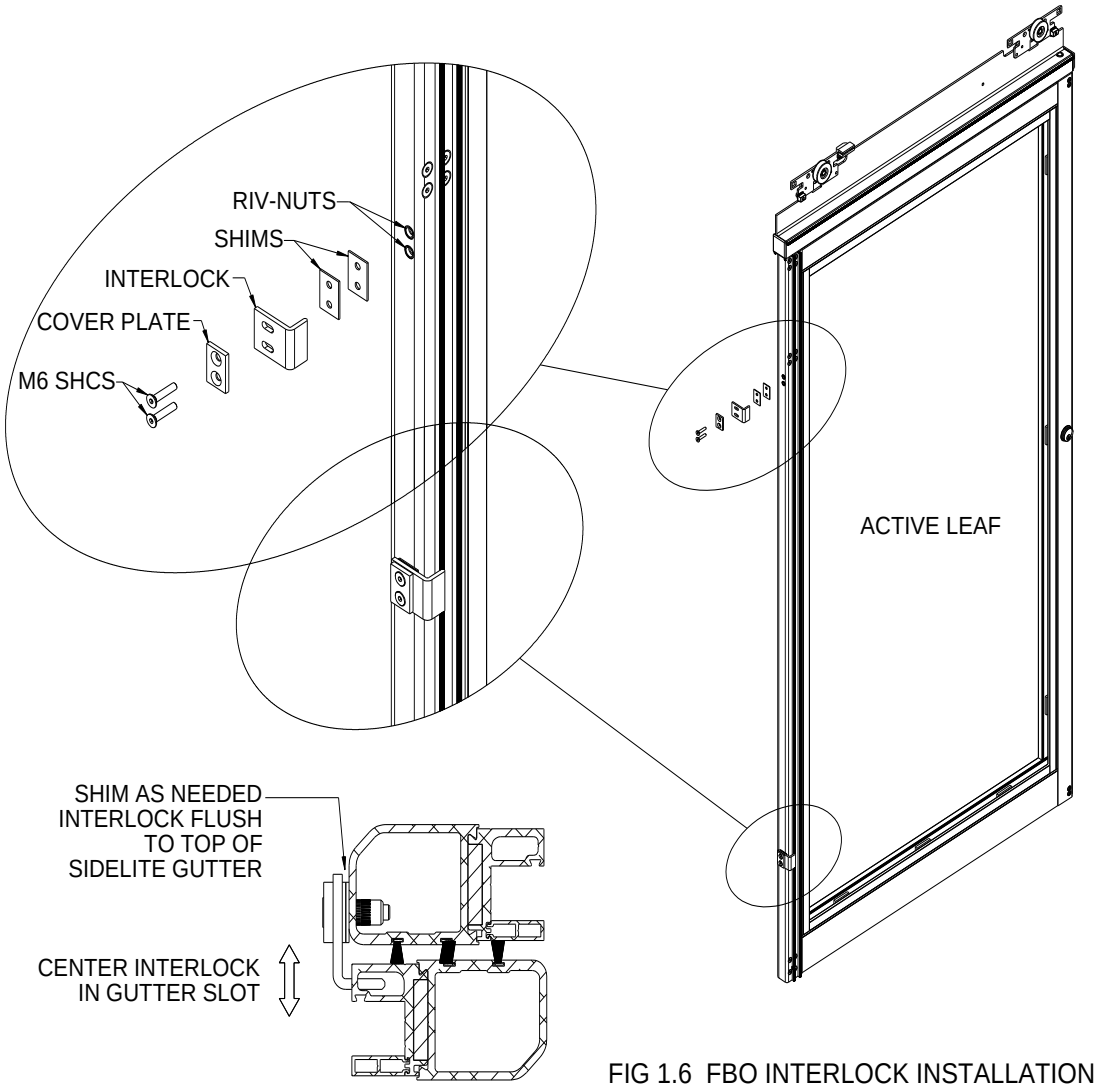


FIG 1.6 FBO INTERLOCK INSTALLATION

23. **Electrical Connections**: Electrical connections should be performed by a licensed electrician. Follow procedures outlined and referenced under “Electrical Connections” in the UniSlide Installation Manual.

24. **Final Inspection**: Inspect the package for form, fit and function, ensuring that it meets the appropriate ANSI and NFPA Life Safety codes and any other codes that have jurisdiction.

25. **AAADM Certification**: Perform an AAADM inspection on the package and train the customer on its usage and the “Daily Safety Checklist”.

UniSlide Resilience Glazing Procedures

Impact Packages - Laminated Impact Glass

Please see “Special Care” instructions on Page 12 for additional information.

Setting Blocks

Setting blocks are supplied with the package and must be cut in half. Use side cutters to snip the blocks into two equal pieces.

The blocks will be placed as shown in FIG 2.1. They should be located 12 inches from each corner and centered on each vertical. Check the orientation detail in FIG 2.1 for correct placement.

Wet Glazing

The UniSlide Resilience Impact door system has been tested and approved with Dow Corning 995 structural silicone for glazing. Dow Corning 995 is the ONLY approved silicone for glazing this product.

Check the “Use By” date on the Dow Corning 995 tubes. Do not use silicone that is past its “use by” date. Make sure there is an adequate quantity of silicone to complete glazing. Approximately six tubes of silicone are required to properly glaze each door panel.

Lay the door panel horizontally with the exterior side facing up. Two saw-horses work well; take precautions not to damage the finish on the door.

Clean all surfaces, metal and glass, where the silicone will be applied. Follow the manufacturer’s recommendations.

Apply a minimum 3/8” bead of 995 to the vertical leg of the gutter all around the door. Follow the manufacturer’s recommendations.

Place 1/2” x 1/4” setting blocks as shown in FIG 2.1 Impact Glazing Detail

Set the glass into the door, positioning it on the glass blocks so that the gap between the glass edge and door is even all around.

Push the glass down into the silicone all around.

Insert 3/8” x 1/4” setting blocks between the glass and gutter as shown in FIG 2.1

Back fill the gap between the glass edge and gutter with silicone all around.

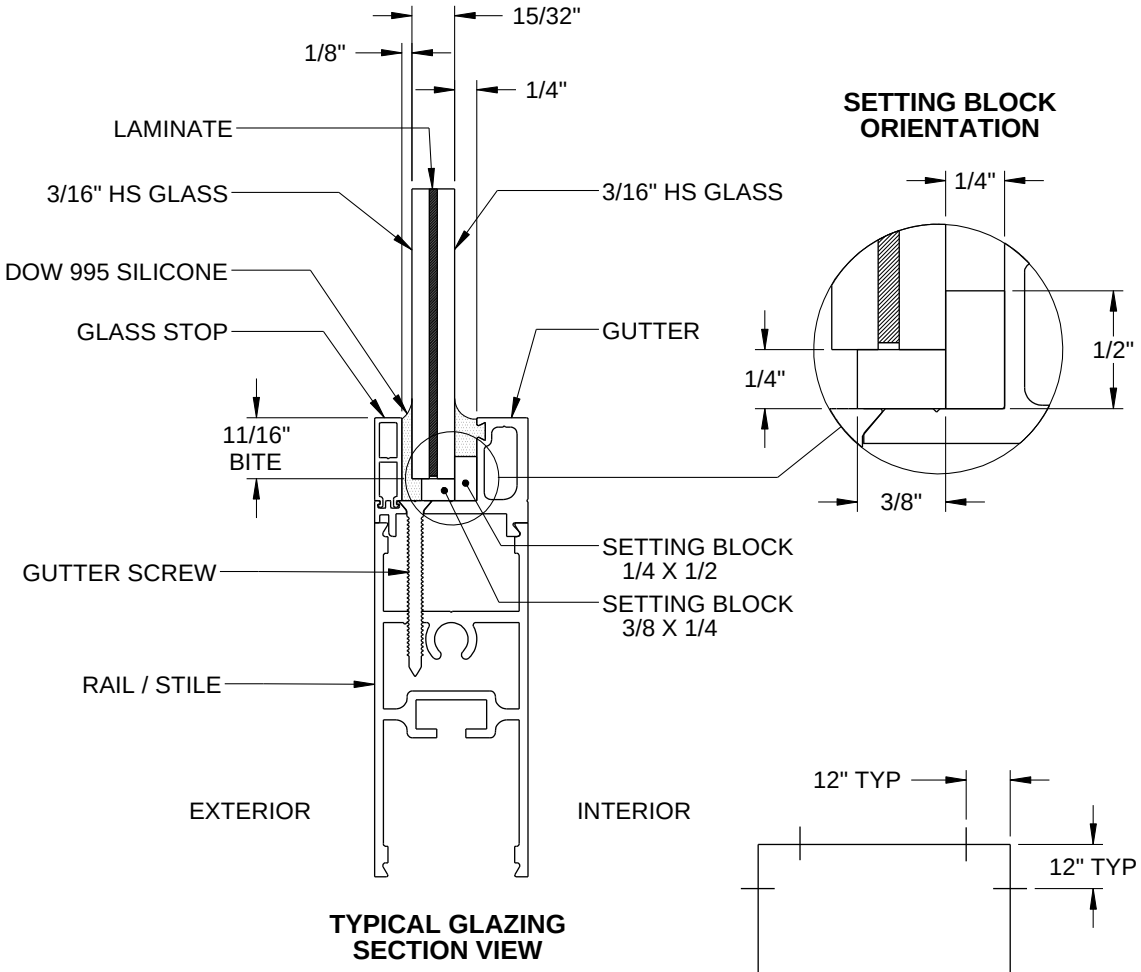
Install the vertical glazing stops. Place a 1/8” shim between the glass and stop to align the stop to the gutter. Use a wooden block or soft faced mallet to tap the stop into place starting at one end and working toward the other. Repeat this process for the horizontal stops.

Apply a cap bead of silicone all around in the gap between snap and glass.

Fill the gap between the gutter and glass on the interior side with silicone.

Doors may be stored standing vertically, leaning slightly to the interior side or lying horizontally flat with the interior side facing down. Regardless of orientation, doors must be kept square and plumb during curing.

FIG 2.1 IMPACT GLAZING DETAIL



TYPICAL GLAZING SECTION VIEW

SETTING BLOCK PLACEMENT

GLAZING PROCEDURE

1. CLEAN ALL SURFACES.
2. APPLY A MINIMUM 3/8" BEAD OF SILICONE TO GUTTER ALL AROUND.
3. PLACE 1/4 X 1/2 SETTING BLOCKS AS SHOWN.
4. SET GLASS, PUSH INTO SILICONE.
5. PLACE 3/8 X 1/4 SETTING BLOCKS AS SHOWN.
6. BACK FILL GAP BETWEEN GUTTER AND GLASS.
7. INSTALL GLASS STOPS.
8. APPLY CAP BEAD OF SILICONE AROUND STOPS AND GUTTER, TOOL AS REQUIRED.

NOTE

Doors racked, bowed, handled or inappropriately stored during the curing process, can be permanently distorted and may require replacement. Take care to properly store glazed doors during curing.

Non-Impact Packages – ¼" Tempered Glass

Dry Glazing

Lay the door panel horizontally with the exterior side facing up. Two saw-horses work well; take precautions not to damage the finish on the door.

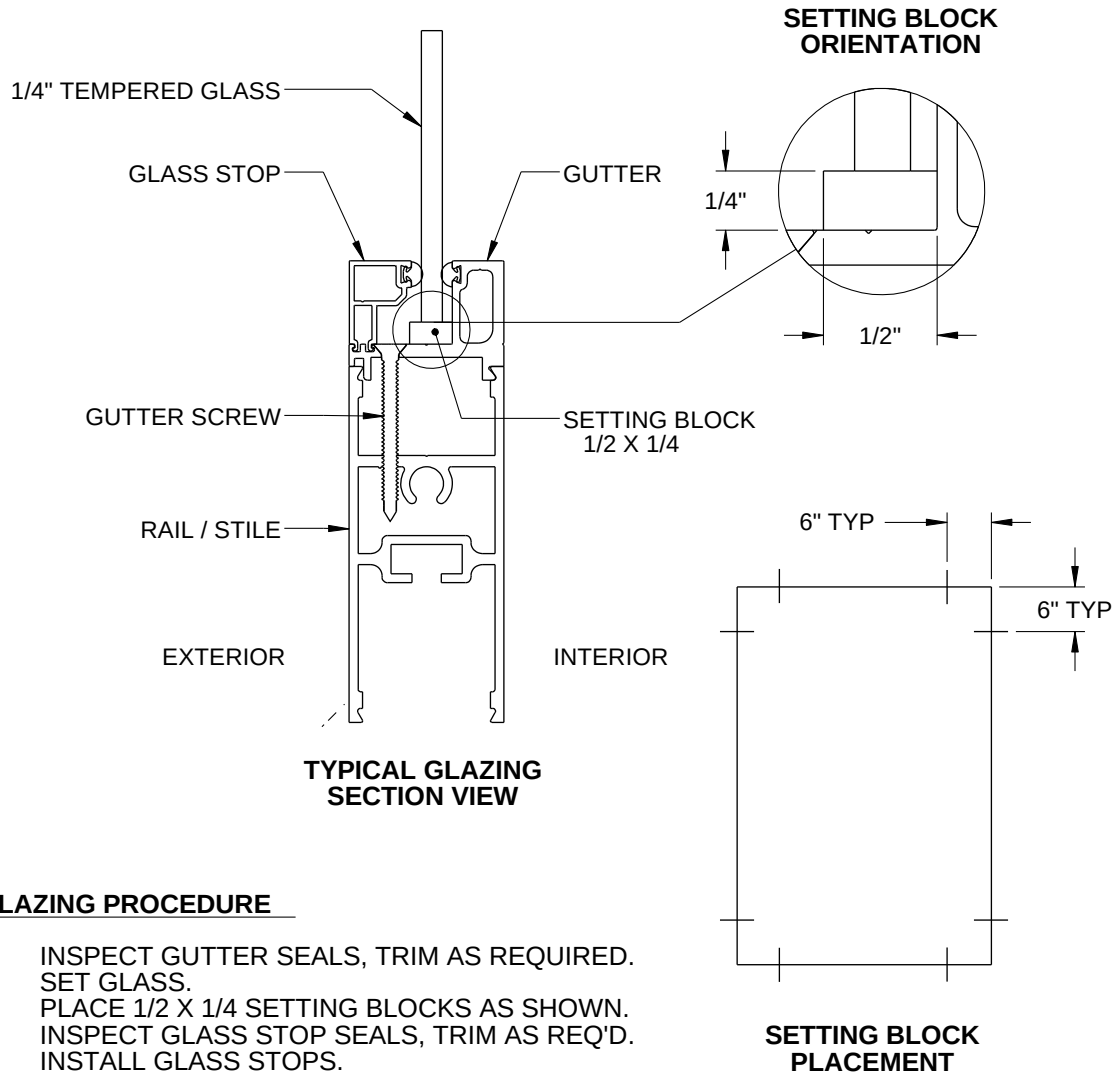
Inspect the vinyl in the gutter and trim to length as required.

Set the glass into the door.

Install the setting blocks as shown in FIG 2.2.

Inspect the vinyl in the glass stops and trim to length as required.

Install the vertical glazing stops. Use a wooden block or soft faced mallet to tap the stop into place starting at one end and working toward the other. Repeat this process for the horizontal stops.



GLAZING PROCEDURE

1. INSPECT GUTTER SEALS, TRIM AS REQUIRED.
2. SET GLASS.
3. PLACE 1/2 X 1/4 SETTING BLOCKS AS SHOWN.
4. INSPECT GLASS STOP SEALS, TRIM AS REQ'D.
5. INSTALL GLASS STOPS.

FIG 2.2 NON- IMPACT GLAZING DETAIL

Important Safety Instructions for Use

WARNING

To reduce the risk of personal injury, all instruction and installation of safety equipment must be performed in accordance to ANSI A156.10 for pedestrian usage.

Compliance with Safety Standards

Your door was designed to meet the latest operating and safety standards. In order to ensure the continued safe operation of your door, it is important that:

- Your door system is maintained in compliance with the standards of the industry.
- Proper decals and labels be applied and maintained on your doors. If decals are removed or cannot be read, request replacement decals when calling for service.
- Safety devices for all doors should be checked by an AAADM certified inspector annually and each time a door is serviced.

AAADM, the American Association of Automatic Door Manufacturers, has established a program to certify automatic door inspectors. Through this program, the inspectors check your door systems for compliance with the appropriate version of the American National Standards Institute Standard ANSI A156.10.

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