ENTICE HP+
PREMIUM ENTRANCE SYSTEM

TABLE OF CONTENTS

RECOMMENDED GUIDELINES FOR ALL INSTALLATIONS

1. **REVIEW CONTRACT DOCUMENTS.** Check shop drawings, installation instructions, architectural drawings, and shipping lists to become thoroughly familiar with the project. The shop drawings take precedence and include specific details for the project. Note any **field verified** notes on the shop drawings prior to installing. The installation instructions are of a general nature and cover most conditions.

2. **INSTALLATION.** All materials are to be installed plumb, level, and true. Install operable windows preglazed only.

3. **BENCH MARKS.** All work should start from bench marks and/or column lines as established by the architectural drawings and the general contractor with guaranteed accuracy. Working from these datum points and lines determine:
   a) The plane of the wall in reference to offset lines provided on each floor.
   b) The finish floor lines in reference to bench marks on the outer building columns.
   c) Mullion spacing from both ends of masonry opening to prevent dimensional build-up of daylight opening.

4. **FIELD WELDING.** All field welding must be adequately shielded to avoid any splatter on glass or aluminum. Results will be unsightly and/or structurally unsound. Advise general contractor and other trades accordingly. All field welds of steel anchors must receive touch-up paint (zinc chromate) to avoid rust.

5. **SURROUNDING CONDITIONS.** Make certain that construction which will receive your materials is in accordance with the contract documents. If not, notify the general contractor in writing and resolve differences before proceeding with work.

6. **ISOLATION OF ALUMINUM.** Aluminum to be placed in direct contact with uncured masonry or incompatible materials should be isolated with a heavy coat of zinc chromate or bituminous paint.

7. **SEALANTS.** Sealants must be compatible with all materials with which they have contact, including other sealant surfaces. Consult with sealant manufacturer for recommendations relative to joint size, shelf life, compatibility, cleaning, priming, tooling, adhesion, etc. It is the responsibility of the **Glazing Contractor** to submit a statement from the sealant manufacturer indicating that glass and glazing materials have been tested for compatibility and adhesion with glazing sealants, and interpreting test results relative to material performance, including recommendations for primers and substrate preparation required to obtain adhesion. The chemical compatibility of all glazing materials and framing sealants with each other and with like materials used in glass fabrication must be established. This is required on every project.

8. **FASTENING.** Within the body of these instructions "fastening" means any method of securing one part to another or to adjacent materials. Only those fasteners used within the system are specified in these instructions. Due to the varying perimeter conditions and performance requirements, perimeter and anchor fasteners are not specified in these instructions. For perimeter and anchor fasteners refer to the shop drawings or consult the fastener supplier.

9. **BUILDING CODES.** Due to the diversity in state/provincial local, and federal laws and codes that govern the design and application of architectural products, it is the responsibility of the individual architect, owner, and installer to assure that products selected for use on projects comply with all the applicable building codes and laws.
   U.S. Aluminum exercises no control over the use or application of its products, glazing materials, and operating hardware and assumes no responsibility thereof.

10. **EXPANSION JOINTS.** Expansion joints and perimeter seals shown in these instructions and in the shop drawings are shown at normal size. Actual dimensions may vary due to perimeter conditions and/or difference in metal temperature between the time of fabrication and the time of installation. Gaps between expansion members should be based on temperature at time of installation.

11. **COORDINATION WITH OTHER TRADES.** Coordinate with the general contractor any sequence with other trades which offset curtain wall installation (i.e. fire proofing, back-up walls, partitions, ceilings, mechanical ducts, converters, etc.)

12. CARE AND MAINTENANCE. Final cleaning of exposed aluminum surfaces should be done in accordance with AAMA 609.1 for anodized aluminum and 610.1 for painted aluminum.

POLISHED STAINLESS STEEL
Polished stainless steel finishes should be routinely cleaned with CRL841 Stainless Steel Polish & Cleaner. The foam formula cleans and protects polished stainless steel without hard rubbing. It leaves behind a thin protective layer that resists fingerprints, grease, and water splash. The foam can be wiped off with CRL BX15 Lint-Free Wipes.

BRUSHED STAINLESS STEEL
Brushed stainless steel finishes can be cleaned the same way as polished stainless steel. Use cleaning and/or waxing motions in the same direction as the grain texture. Unlike polished stainless steel, brushed stainless steel can be rubbed with a light abrasive pad such as CRL SB7447F Scotch-Brite Fine Hand Pad.

MILD CORROSION
The best way to remove mild corrosion on stainless steel is with a metal restoration cleaner. Apply it like you would a wax, let it dry, and rub repeatedly to remove spots and restore luster. On a brushed stainless finish, you can use Scotch-Brite pads to remove tougher spots and help restore the original sheen. To ensure lasting beauty, a good quality wax for metals can be applied. abrasive pad such as CRL SB7447F Scotch-Brite Fine Hand Pad.

ADDITIONAL TIPS
Do not use coarse abrasives like sandpaper on stainless steel since they may cause rusting over time. Do not use mineral acids or bleaches to clean stainless steel either. Be sure to keep stainless steel away from rusting metals such as iron since they may cause contamination. With proper care and maintenance, the pristine appearance of CRL stainless steel hardware will last for years.

HANDLING, STORAGE, AND PROTECTION OF ALUMINUM

The following precautions are recommended to protect the material against damage. Following these precautions will help ensure early acceptance of your products and workmanship.

A. **HANDLE CAREFULLY.**
All aluminum materials at job site must be stored in a safe place, well removed from possible damage by other trades. Cardboard wrapped or paper interleaved materials must be kept dry.

B. **CHECK ARRIVING MATERIALS.**
Check for quantities and keep records of where various materials are stored.

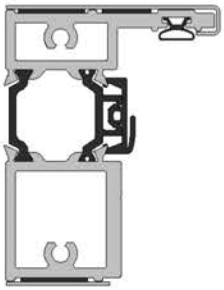
C. **KEEP MATERIALS AWAY FROM WATER, MUD, AND SPRAY.**
Prevent cement, plaster or other materials from damaging the finish.

D. **PROTECT THE MATERIALS AFTER ERECTION.**
Protect erected frame with polyethylene or canvas splatter screen. Cement, plaster, terrazzo, other alkaline solutions, and acid based materials used to clean masonry are harmful to the finish. ***If any of these materials come in contact with the aluminum, immediately remove with water and mild soap.***

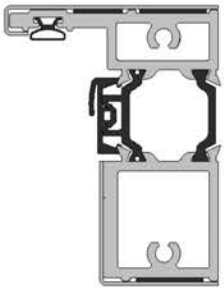
IMPORTANT: READ THIS MANUAL THOROUGHLY BEFORE BEGINNING INSTALLATION

PARTS IDENTIFICATION

Up & Over Frame

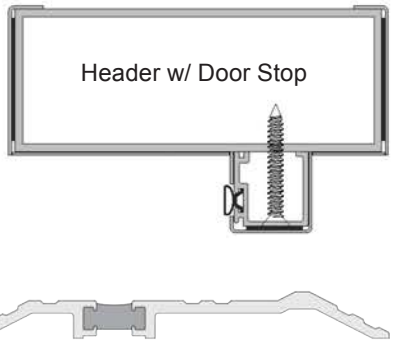


Frame at Hinge



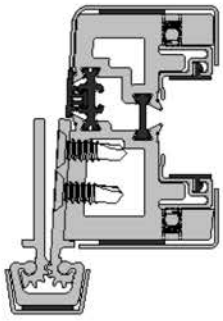
Frame at Lead

Horizontal Parts



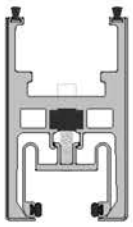
4-1/2” Threshold

Door Parts

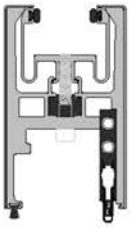


Hinge Stile w/ Gear Hinge

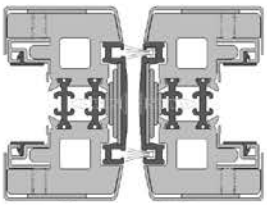
10” Bottom Rail



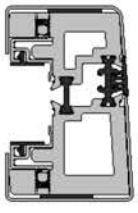
4” Top Rail



4” Bottom Rail



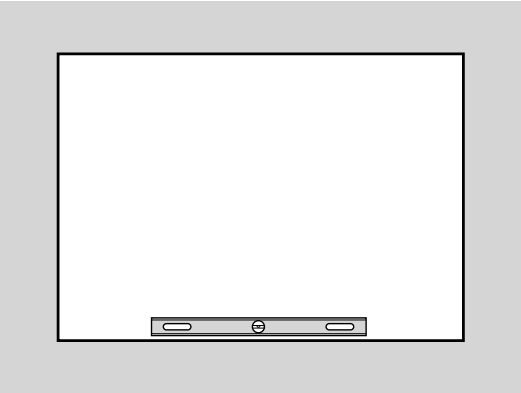
Meeting Stile



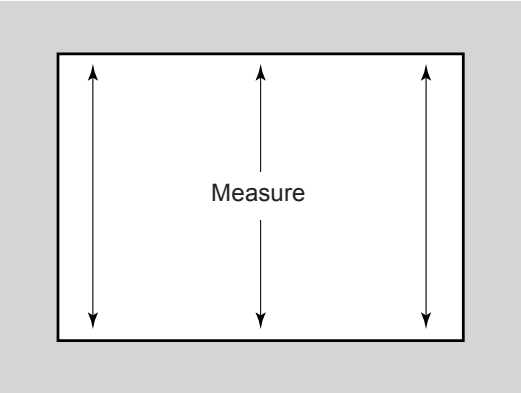
Lead Stile

SITE PREPARATION

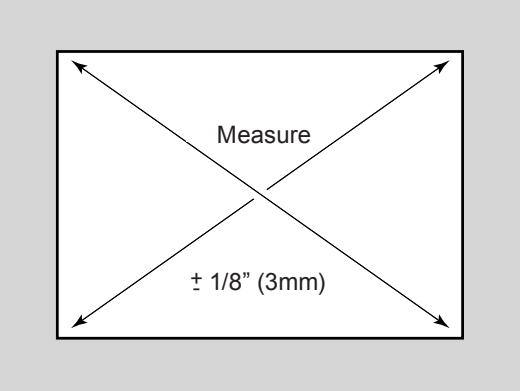
1. Review and measure the opening.
2. Verify rough window opening size 1/2” (12.7) clearance in both width and height. Verify framing is plumb, straight, and true around opening. Measure opening at each end and at center vertically and horizontally. Make corrections to openings as required. Measure opening diagonally to check squareness. Chip concrete high points to flush and rounded corners to square.



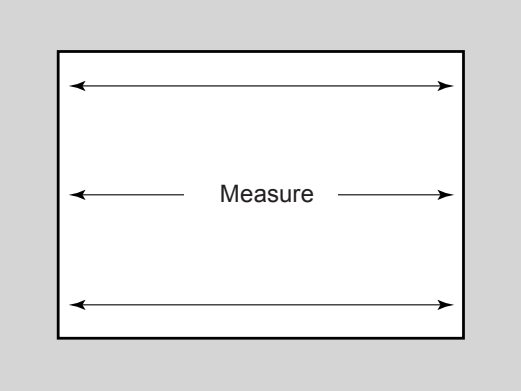
LEVEL



VERTICAL DIMENSION



SQUARE



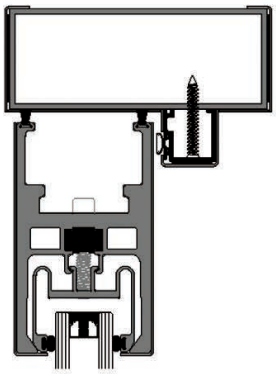
HORIZONTAL DIMENSION

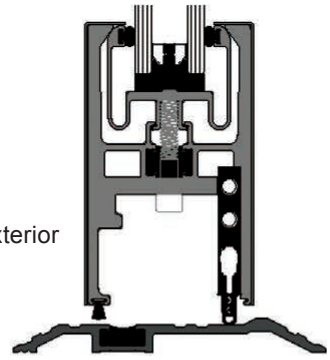
DOOR AND FRAME INSTALLATION OVERVIEW

Door & Frame Installation Order

1. Header & Frame Jamb Assembly
2. Frame Mounting Installation
3. Threshold Installation
4. Door Preparation
5. Gear Hinge Preparation & Installation
6. Door Installation
7. Frame Clad Installation
8. Vertical Door Stile Clad Installation
9. Drop Seal Adjustment
10. Double Door Astragal Adjustment

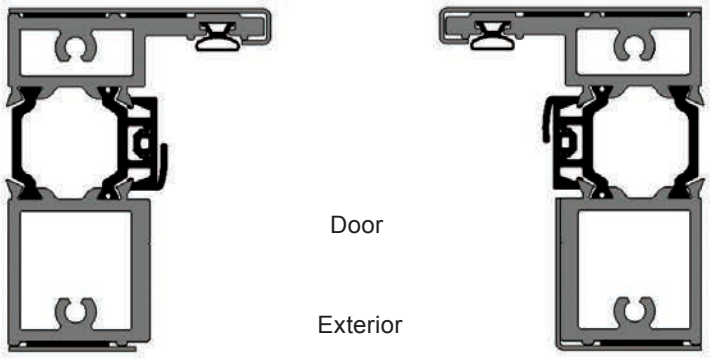
Header

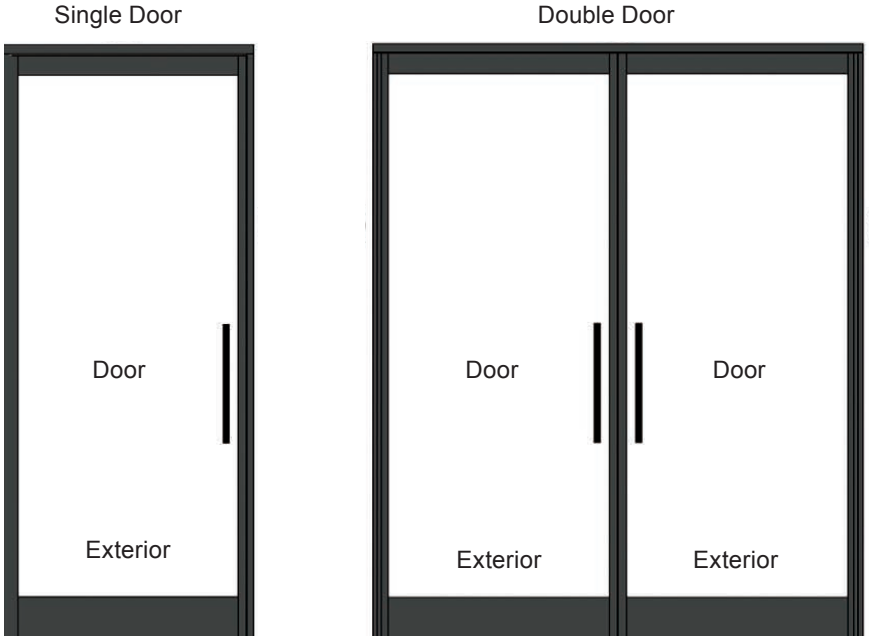




NOTE: 4” Bottom Rail Shown.
10” Bottom Rail Optional.

Frame Jambs



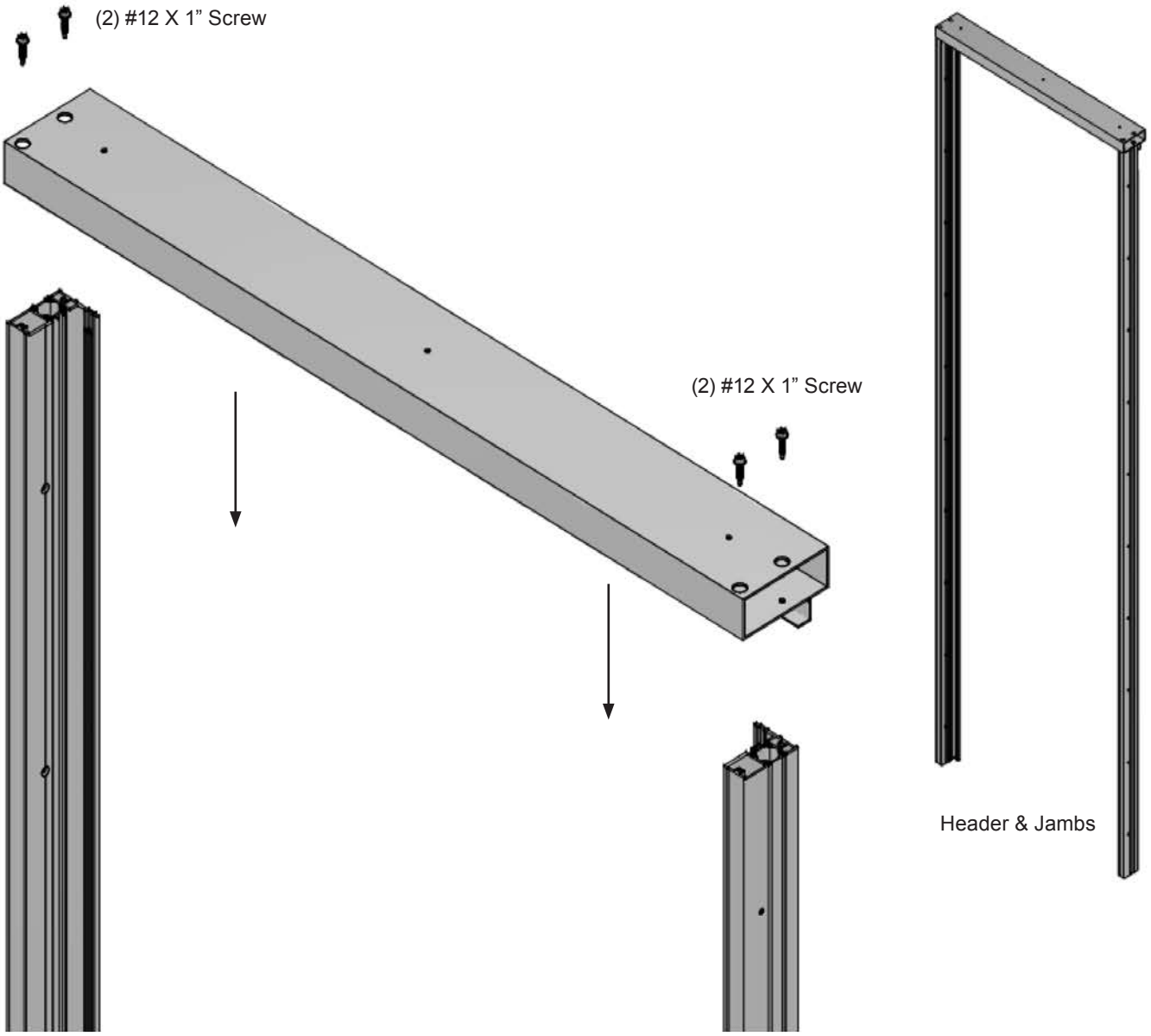


HEADER HARDWARE INSTALLATION

If required, install closing hardware in header

HEADER & FRAME JAMB ASSEMBLY

1. Install header on to Jambs using (4) #12 x 1” Hex Washer Self Drilling Screws (By Installer)
   Note: Use pre-drilled clearance holes on header to install onto jamb screw race



2. Once Header is securely fastened to Jambs (Hinge and/or Lead) proceed to installing up & over frame into rough opening.

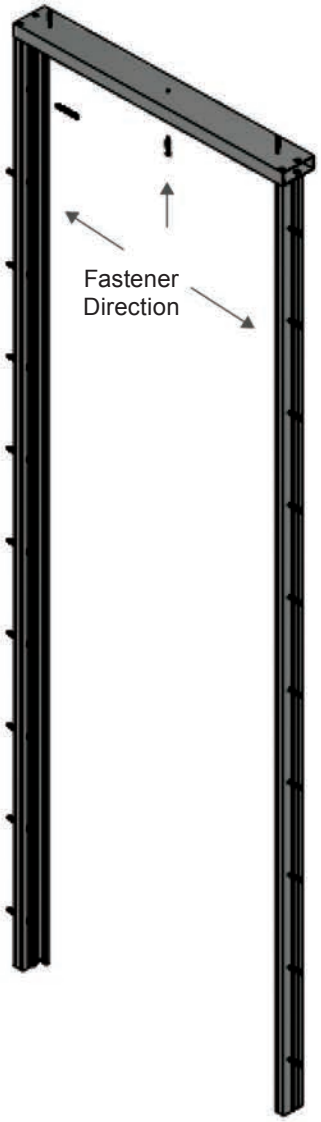
FRAME MOUNTING INSTALLATION

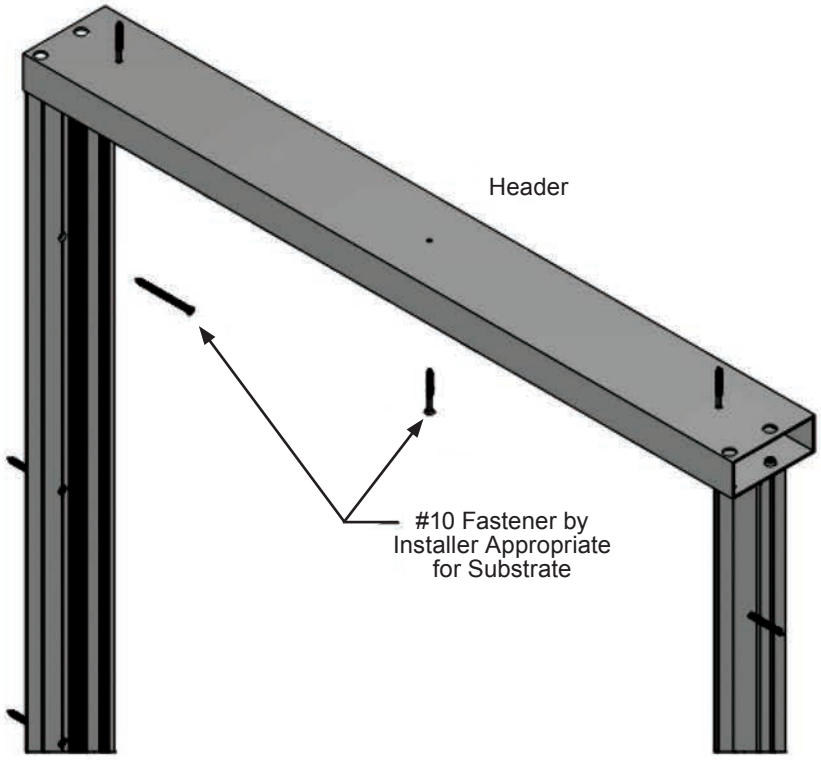
1. Install up & over Frame into rough opening

   Note: Rough Opening minimum clearance 1/2” width x 1/2” height larger than frame

2. Level and mount up & over Frame using #10 Frame Fasteners Appropriate for Substrate (by installer)

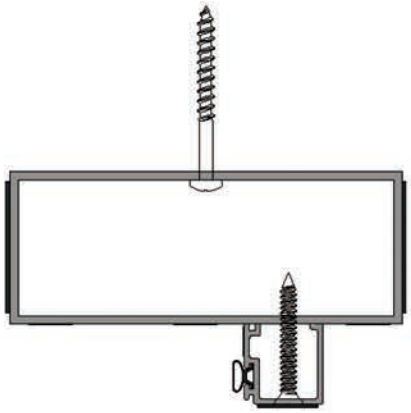
   Note: Fasten to hold frame in place. Do not tighten fully, use pre-drilled installation holes





Hinge Frame Jamb

Lead Frame Jamb

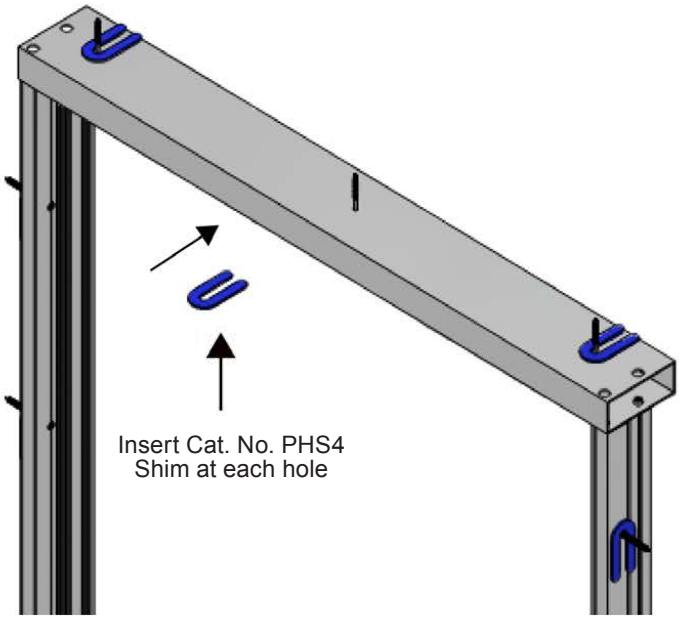


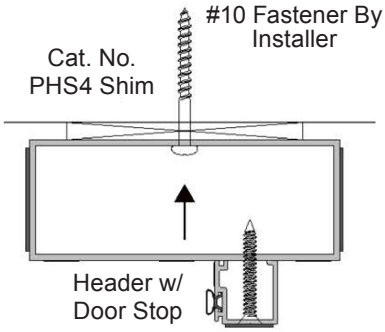
Header w/ Factory Applied Door Stop

FRAME INSTALLATION CONTINUED

1. Shim Under each Header & Frame Fastener (#10 by Installer)

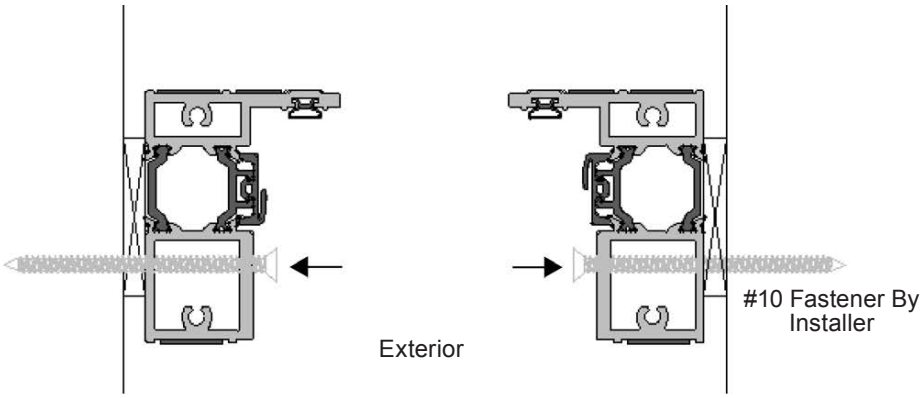
   Note: Header & Frame should be level, plum & square. Use Laser LD200 - CRL Cross-Line Self Leveling Laser Kit to aid in installation





Insert Cat. No.
PHS4 Shim
at each hole

2. Once Shims are installed/placed, proceed with fully fastening Header & Frame Screws into place

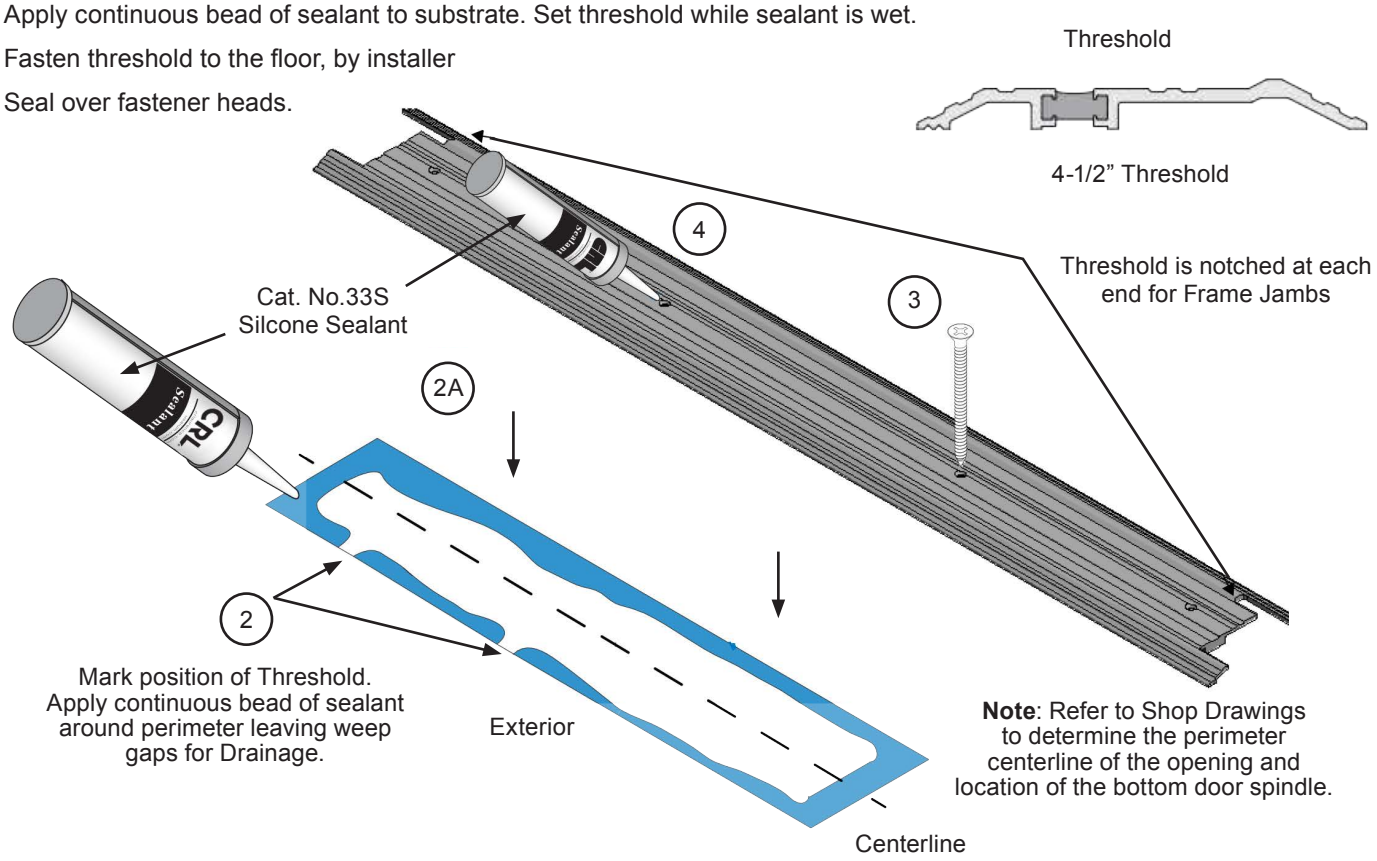


Hinge Frame
Jamb

Lead Frame
Jamb

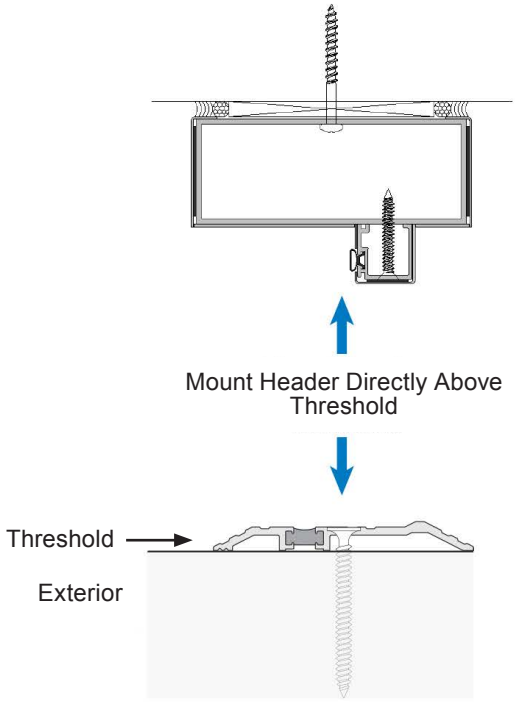
THRESHOLD INSTALLATION

1. Clean Finished Floor thoroughly removing all dust and debris.
2. Apply continuous bead of sealant to substrate. Set threshold while sealant is wet.
3. Fasten threshold to the floor, by installer
4. Seal over fastener heads.



5. Align Threshold to Up & Over Frame

   Note: Threshold should be level, plum & square. Use Laser LD200 - CRL Cross-Line Self Leveling Laser Kit to aid in Installation

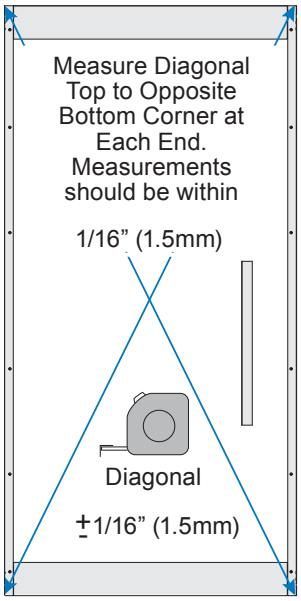


DOOR PREPARATION

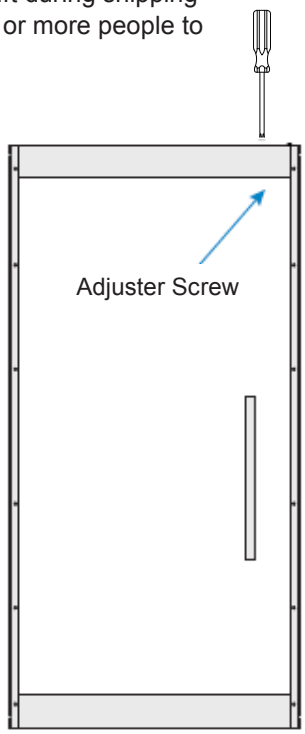
Unpacking

The doors for the Entice System are shipped fully assembled and glazed. The glass may shift during shipping so it is important to follow the preparation procedures to ensure the door is square. Use two or more people to lift doors.

Note: Clad on vertical stiles is applied after door is installed.



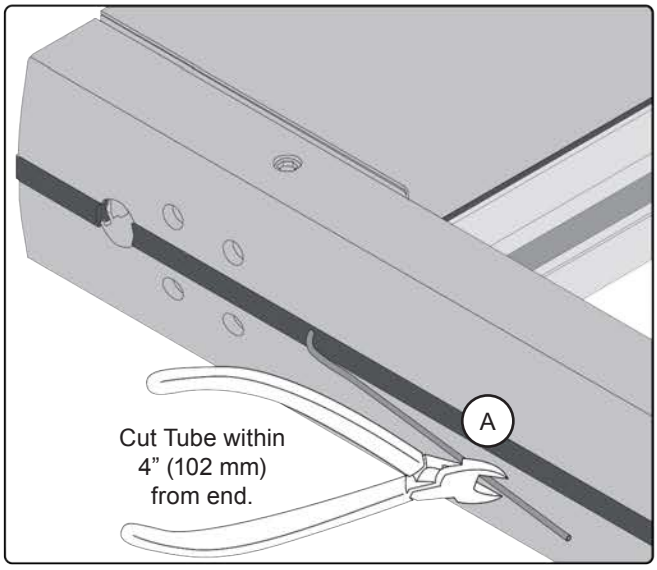
Note: Use a Phillips Screwdriver to turn Adjuster Screw until it is firmly touching the top of the glass. This will hold glass in place and the door square.

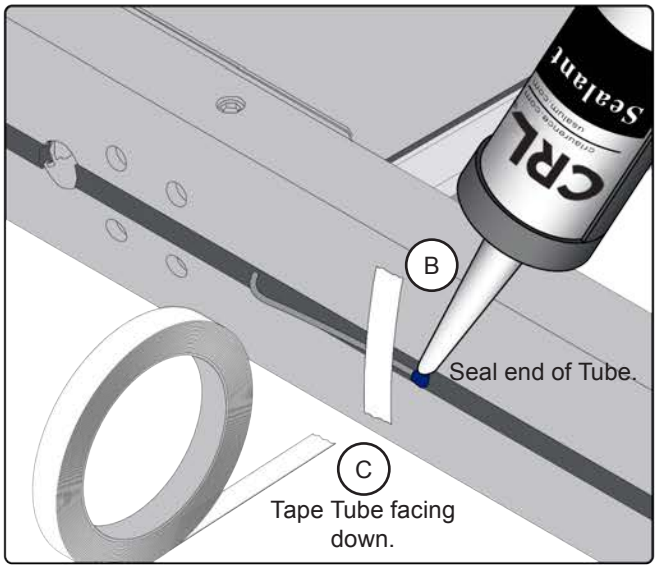


Note: If door is not square, follow instructions on Page 13 to adjust.

Cut the Capillary Tube

A breathing tube is installed to stabilize the glass panel during travel. Cut and seal tube before installation.





Check Handle Alignment

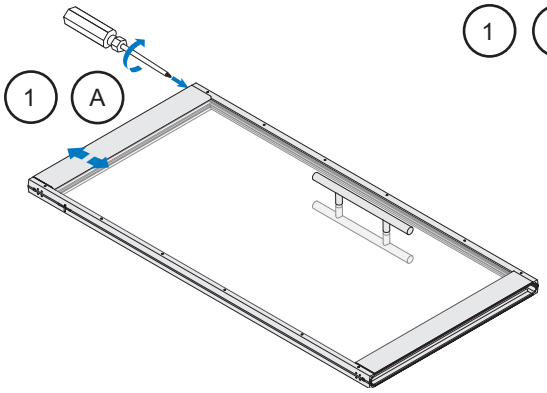
Panic Handles can shift during shipping. Check alignment and adjust when necessary.

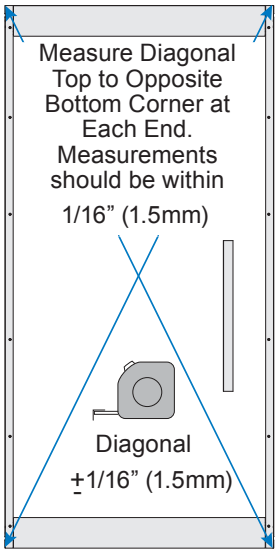
(See panic handle instructions)

DOOR PREPARATION (CONTINUED)

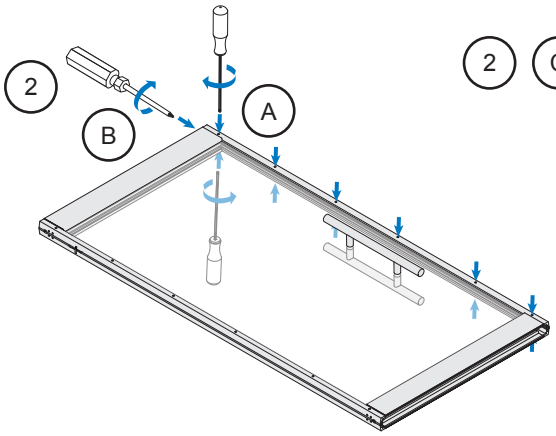
Adjust Door to Square

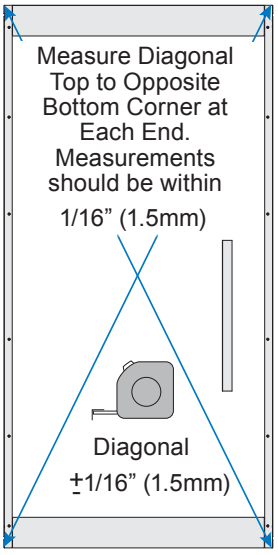
1. In most cases, using the Adjuster Screw to raise or lower the handle side of the door will solve the problem. Use a Phillips Screwdriver to turn Adjuster Screw. Check the diagonal measurements again.
   If the door is square move on to installation. If not, try Step 2 below



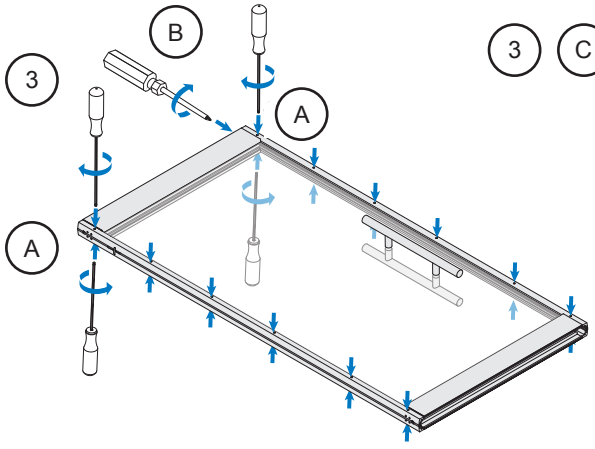


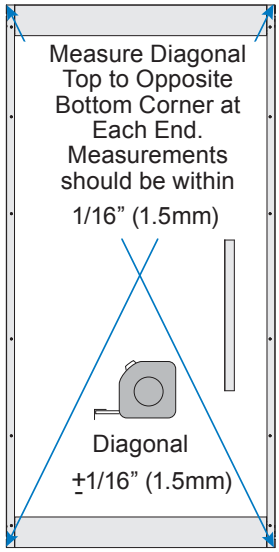
2. Loosen the set screws on both sides of the Lead Stile with included Hex Driver. Use Phillips Screwdriver to turn Adjuster Screw. Check measurements again. If the door is square, tighten the set screws and move on to installation. If not, go to Step 3 below.





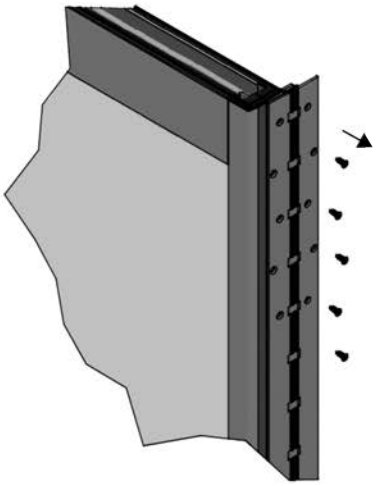
3. Loosen set screws on both sides of Lead and Pivot Stiles. Use Phillips Screwdriver to turn Adjuster Screw. Make sure glass fully rests on bottom setting block. Check measurements. When the door is square, tighten all set screws and move on to installation.



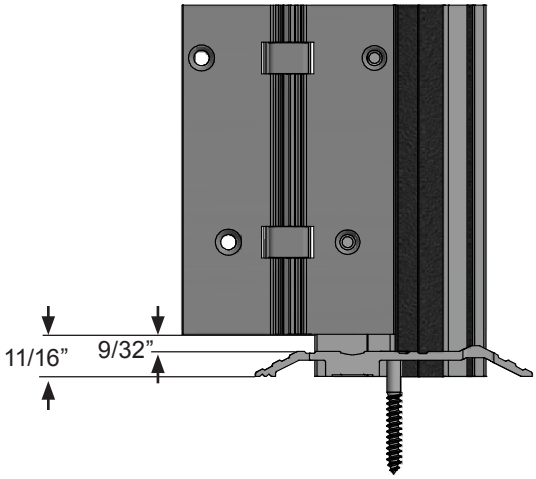


FRAME GEAR HINGE INSTALLATION

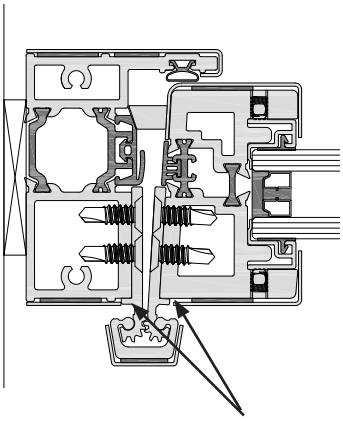
1. Locate Door and remove pre-installed Gear Hinge by removing #12 self drilling screws



2. For hinge side of Frame Jamb, please use the provided gear hinge as a template to prep for #12 pilot holes. Make sure Gear Hinge is installed per dimension shown in image below

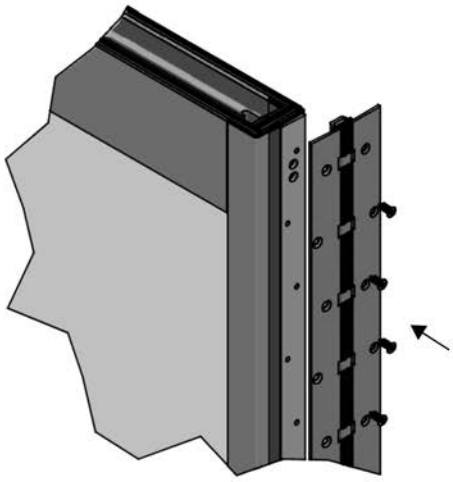


2A. Please make sure Gear Hinge butts up flush with Door & Frame



Gear Hinge must be Flush with Door & Frame

3. Once pilot holes have been prepped on Frame Jamb, re-install gear hinge back onto door

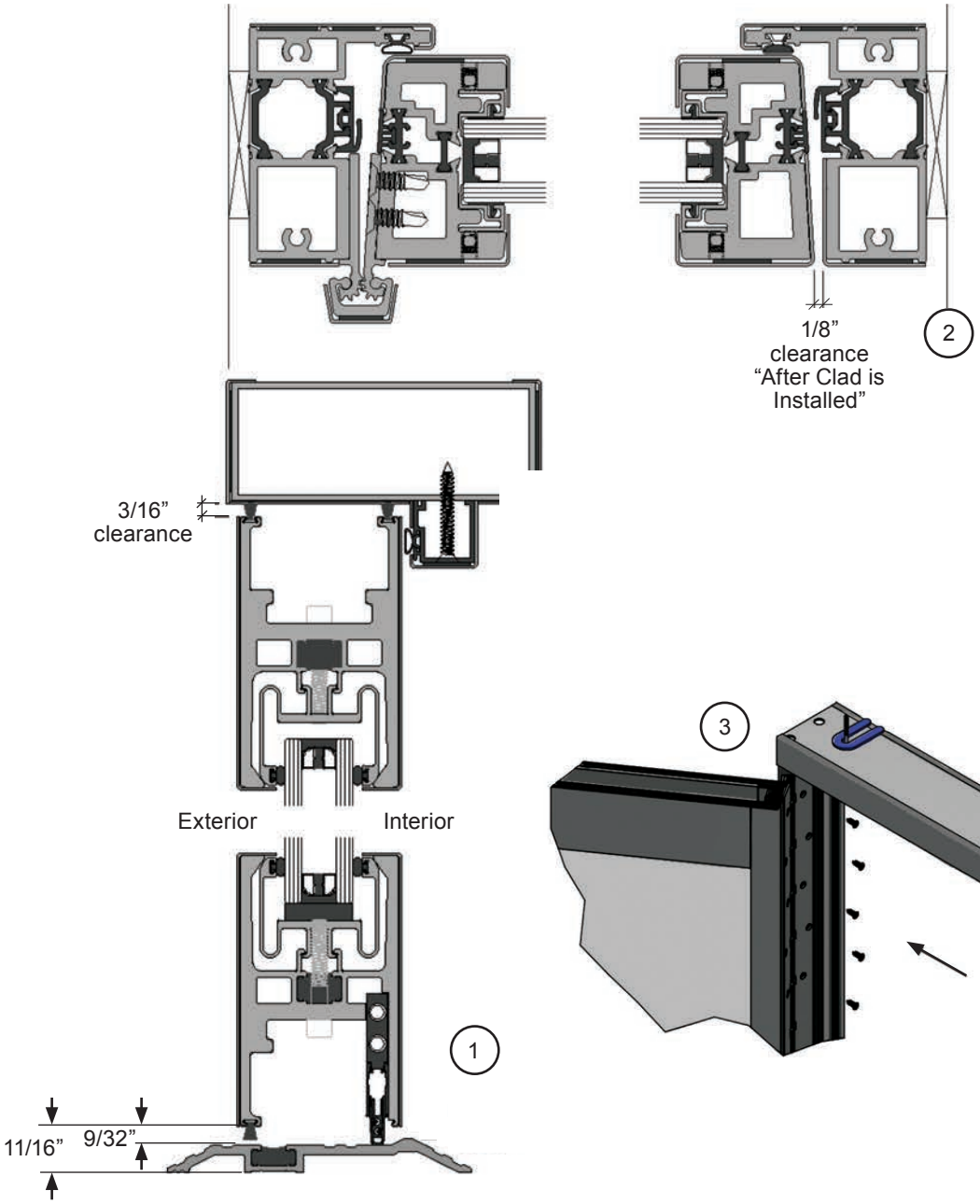


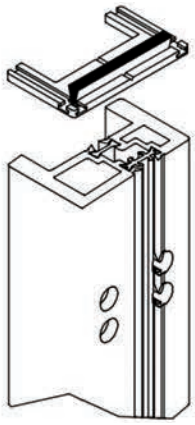
DOOR INSTALLATION

Use two or more people to lift and install the doors. After installation, follow the instructions below to adjust.

NOTE: Installation varies with hardware selection. Consult Installation Instructions in hardware packages.

1. Once default horizontal and vertical gaps have been set open door to 90 deg and screw in #12 self drilling screws into pre-drilled holes.
2. Once all screws have been fastened check for default clearances, 3/16” clearance between Door and Header, 9/32” between bottom of Door & sill and 1/8” between Door & Frame “after cladding is installed”.



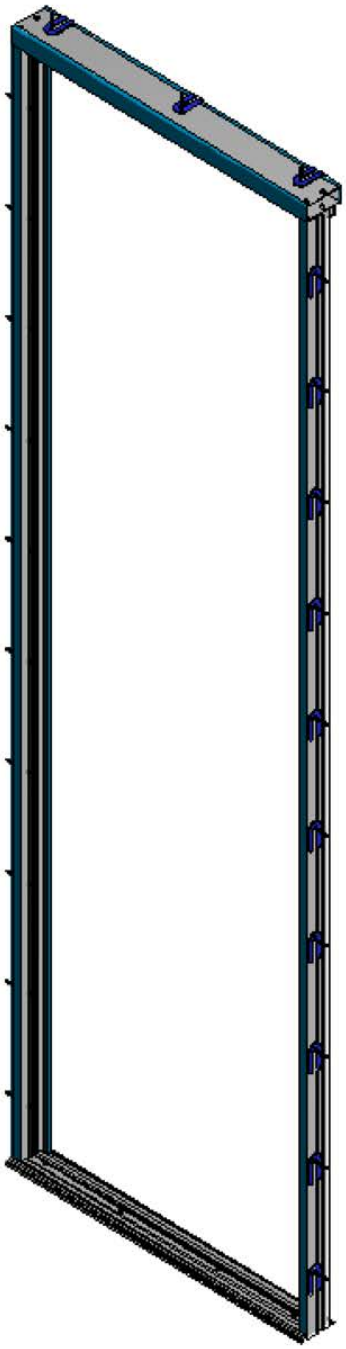


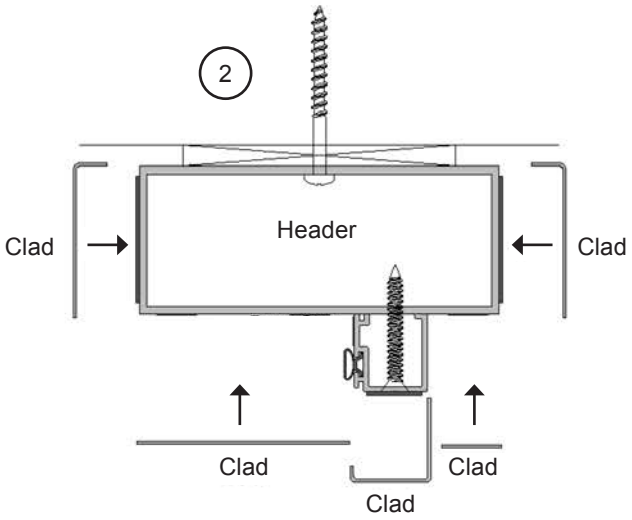
Optional end caps for the top and bottom of each door stile. These end caps should snap into place after the clad is applied and should be flush with the edge of the cladding.

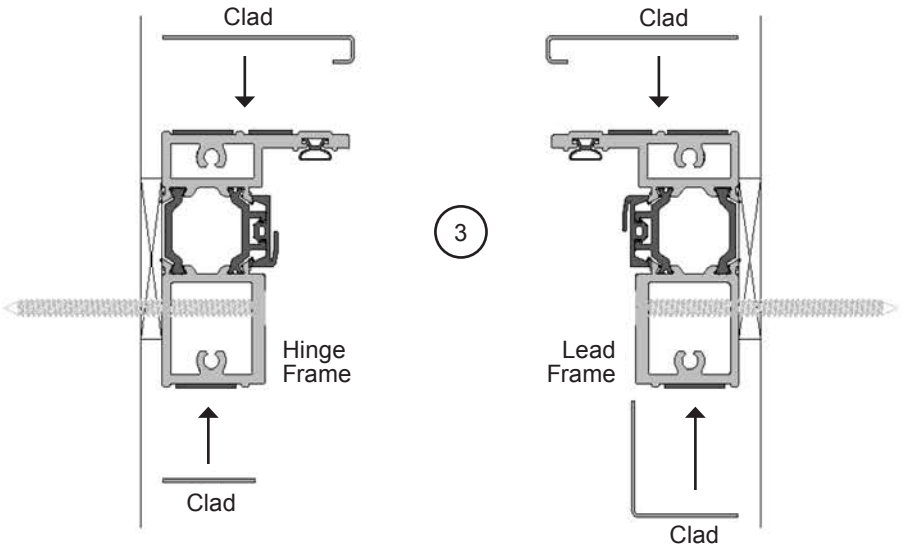
FRAME CLAD INSTALLATION

1. Begin by removing liner from double sided tape (attached to Header & Frame members)
2. Apply Clad to Header
3. Apply Clad to Frame Jambs

Note: Cladding must be applied with smooth even pressure to ensure adhesion and aesthetic make sure to wipe clean cladding using solvent before installing



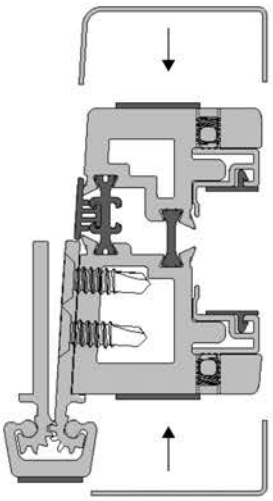




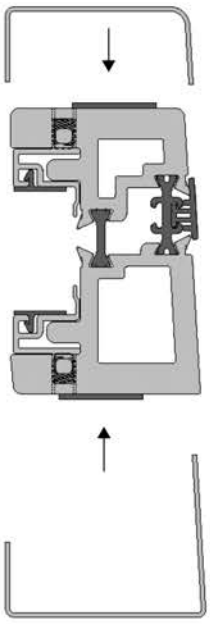
VERTICAL DOOR STILE CLAD INSTALLATION

1. Remove liner from VHB Tape and apply Clad to Vertical Stiles, make sure to wipe clean cladding using solvent before installing

   Note: Apply Clad after Door is installed and adjusted



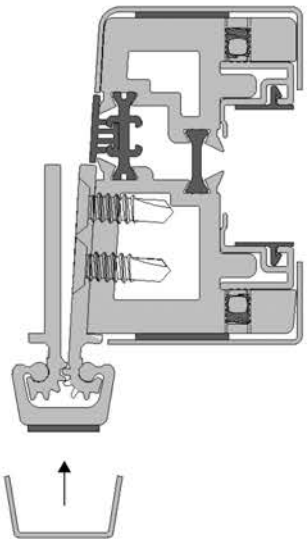
Hinge Stile



Lead Stile

2. Remove liner from VHB Tape and apply Clad to Gear Hinge, make sure to wipe clean cladding using solvent before installing

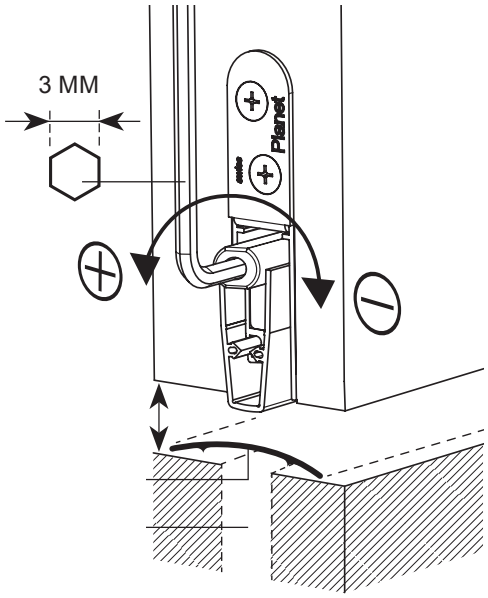
   Note: Apply Clad after Door is installed and adjusted



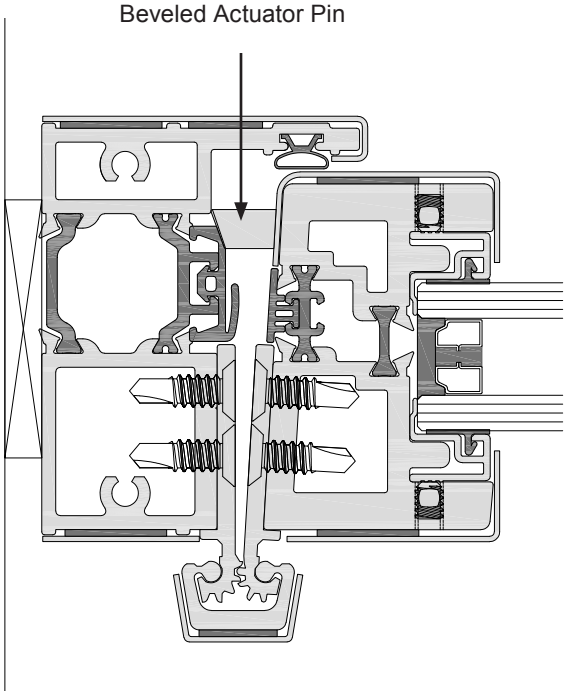
Note: Door Rail Clad will be pre-installed by CRL

DROP SEAL ADJUSTMENT

1. For Drop Seal adjustments; lift height adjustment with allen key (3mm), avoid pressing to the sill.
   Note: Installation varies with hardware selection. Consult Installation Instructions in hardware packages.



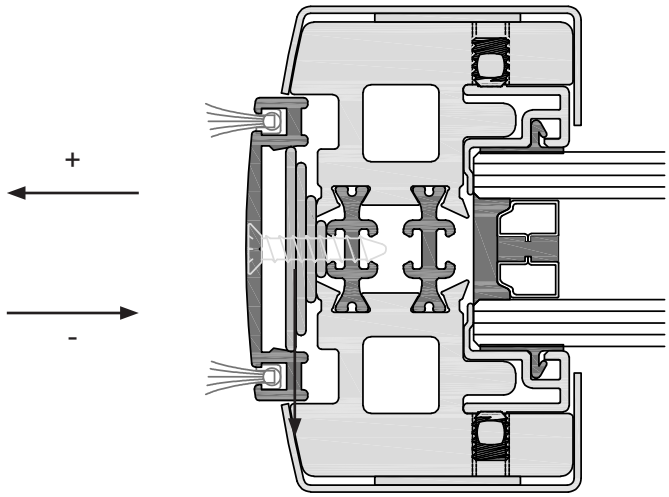
2. Please note the orientation of the beveled actuator below. Actuator contact with frame jamb will engage drop seal.



DOUBLE DOOR ASTRAGAL ADJUSTMENT

1. Astragal is fully adjustable, start by turning Phillips head screw clockwise (-) counter clockwise (+)

   Note: Installation varies with hardware selection. Consult Installation Instructions in hardware packages.



2. Adjust astragal to nominal dimension of 3/16” between Meeting Stiles.