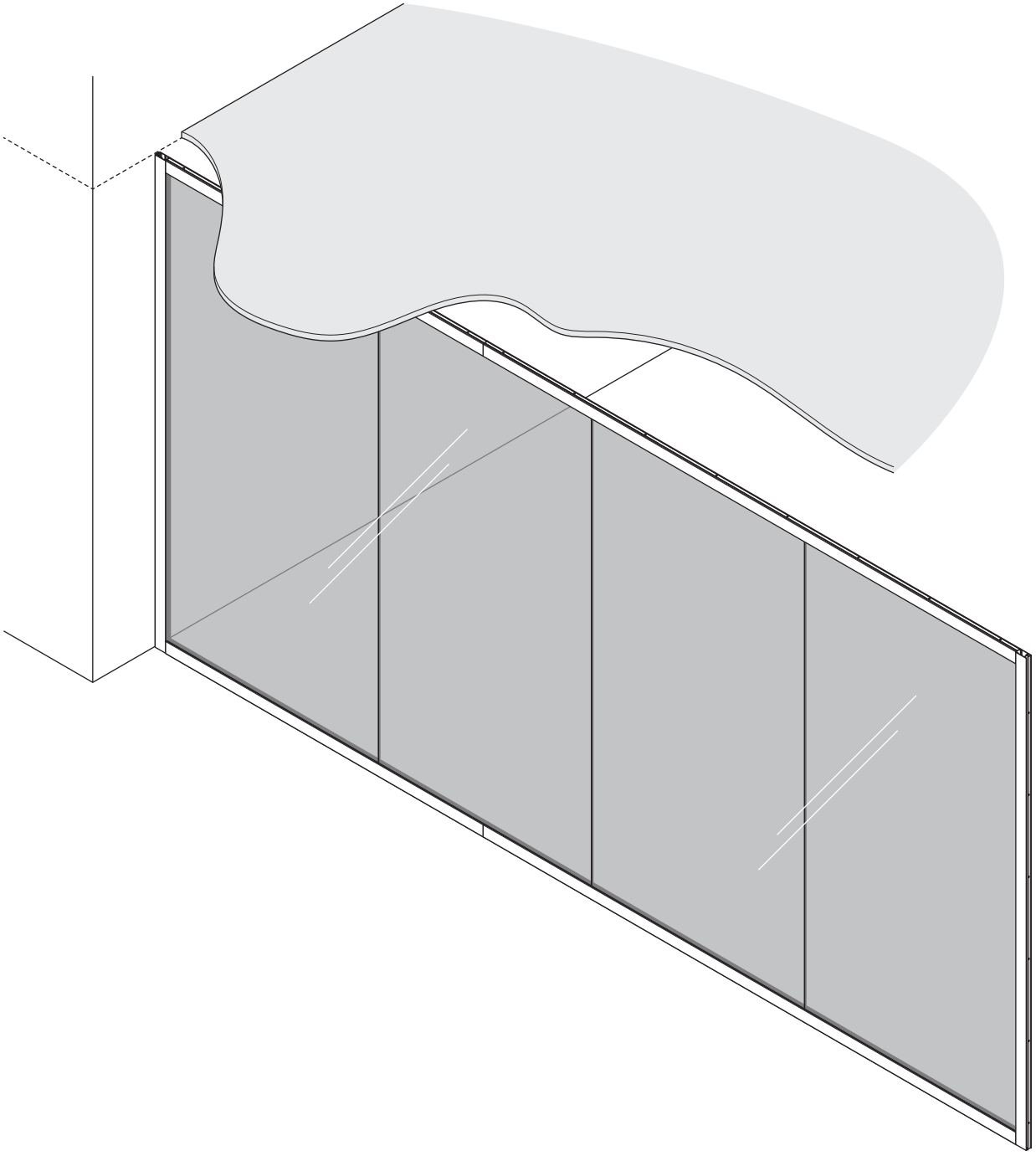
HAWORTH

4SPACE™ FRONTS

Assembly Instructions



BLANK

1.1 TABLE OF CONTENTS

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2.1 GENERAL GUIDELINES

INSTALLATION

This guide covers the installation methods for typical 4SPACE™ FRONTS applications. However, due to the versatility of the product, some applications may not be shown. In order to ensure a successful installation, review the product layout and this guide in its entirety before starting the installation. Please contact a Haworth Regional Technical Representative or Sales Engineering if additional support is required.

SAFETY

PERSONAL PROTECTIVE EQUIPMENT

Steel-toed shoes, cut resistant gloves, hard hats, and safety glasses are recommended to be worn during the installation of this product. In addition, when handling glass, cut resistant arm sleeves are recommended.

HANDLING PRODUCT

Use CAUTION when handling heavy, large, or long components and assemblies. When needed, use multiple people, lift or support equipment, and proper lifting techniques to reduce the risk of injury from strain or impact. Use CAUTION when working with overhead components to avoid risk of injury from falling objects. ALWAYS use OSHA approved ladders or scaffolding to access overhead components.

POWER

Connection to the permanent wiring of the building MUST be performed by a licensed electrician, who must control the size, voltage drop, and loading of each branch circuit. The person or group installing the product is responsible for complying with all NEC and local code requirements. Power to all branch circuits MUST remain disconnected during installation or removal of electrical components and covers to avoid shock hazards.

GLASS

Suction cup lifting handles are recommended when handling glass or glass products. When storing or handling glass ALWAYS keep the glass edges in a vertical position relative to the ground or floor. NEVER store or handle the glass horizontally due to risk of breakage. ALWAYS set the glass on soft or padded surfaces such as cardboard, carpet (or fabric), wood, rubber or plastic. NEVER set the glass on hard surfaces such as metal, gravel, or concrete. ALWAYS set the glass down on smooth, even surfaces so the weight is evenly distributed along the glass edge. Excessive pressure on glass edges may cause breakage. Observe the glass stamp placement and keep placement consistent to outside bottom right when the pane is placed within the wall frame.

CUTTING METAL & PLASTIC

When using power equipment to cut plastic or metal, a full face shield and long sleeve shirt should be used to protect eyes, face and forearms from shavings. Make sure that the component to be cut is firmly held or clamped during the cutting process. Always keep body parts and clothing away from the blade path and proceed slowly with the cut.

Before cutting any components, double-check to ensure the correct component has been selected and the correct end or location of the part is being cut.

When possible, it is recommended to trim cut the factory edge of components to ensure squareness.

To avoid metal shavings from damaging carpet and walls, a designated cutting station should be set up, preferably away from the installation area when possible. Vacuums should be used to manage cutting debris. The cutting table should be elevated to a comfortable working height and be able to safely support long lengths (12') of material.

For components with plastic seals installed, it is recommended to remove the seals from the cut area of the component prior to cutting to limit debris on the seals. Once the cut is made, clean the debris from the component before returning the seals to their original position. Use a utility knife or appropriate cutter to remove excess seal material.

LAYOUT

ORDER OF ASSEMBLY

During the installation of 4SPACE™ FRONTS there may be applications of components that must be installed in a specific order due to the progressive nature of the installation process. Failure to install the components at the right time could result in having to rework part of the installation or difficulty installing the components. To avoid these issues, complete a thorough review of the product applications and layout drawings, pay attention to the locations of starters, door frames, and transitions, and develop an order of installation plan before proceeding with the installation.

FLOORS

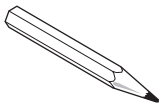
4SPACE™ FRONTS is capable of, and intended, to be installed on all floor types and substrates. Due to various floor constructions, the anchoring components are not provided by Haworth. The appropriate fastening components and frequency of attachment should be determined by the site engineer. Bottom rails may be installed directly on the hard floor surface (recommended) or attached over the floor covering. When taking site measurements during the layout or installation process, variations in floor surface due to unevenness of the floor or the firmness of the floor covering should be taken into account.

CEILINGS

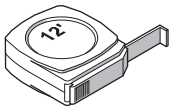
4SPACE™ FRONTS is intended for installation only to ceilings where there is solid framing or backer board behind the ceiling material for the attachment. Due to various ceiling constructions, the anchoring components are not provided by Haworth. The appropriate fastening components and frequency of attachment should be determined by the site engineer. When taking site measurements during the layout or installation process, ceiling type and fastening solution should be taken into account. The ceiling height measurement is defined from the top of the finished floor to the lowest surface of the ceiling.

Tools Required

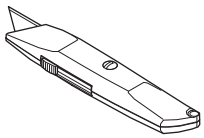
Pencil



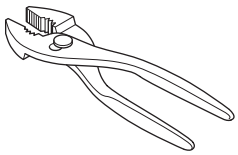
Tape Measure



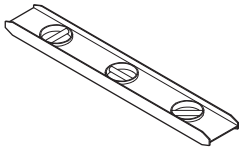
Utility Knife



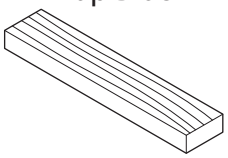
Pliers



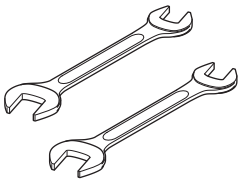
Level (4')



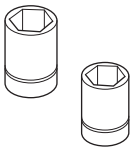
Tap Block



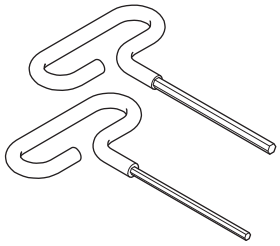
SAE Wrench set



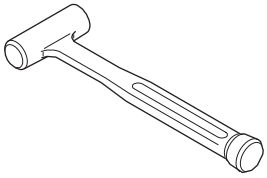
SAE Socket set



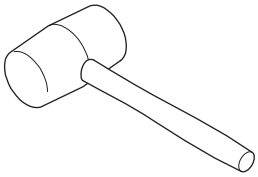
Hex Key Set



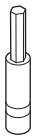
Deadblow Hammer



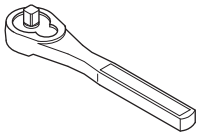
Rubber Mallet



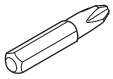
Bit Extension



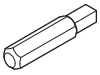
Ratchet Wrench



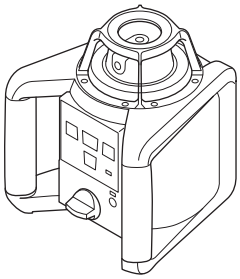
#2 Phillips Bit Driver



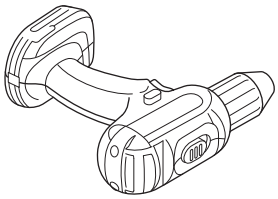
Hex Key Set



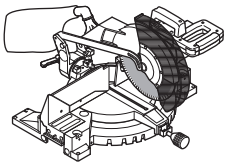
Laser



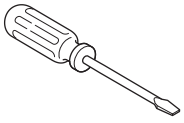
Cordless Drill



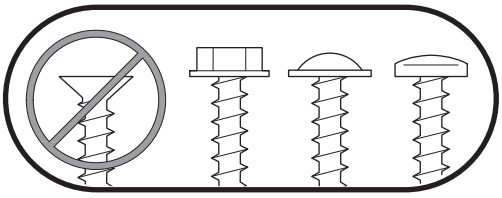
Chop Saw



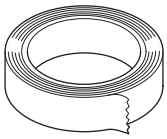
Flathead Screwdriver



NOTE: Only use pan head and washer head screws. **DO NOT USE** countersunk screws unless provided for use.



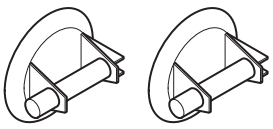
Tape



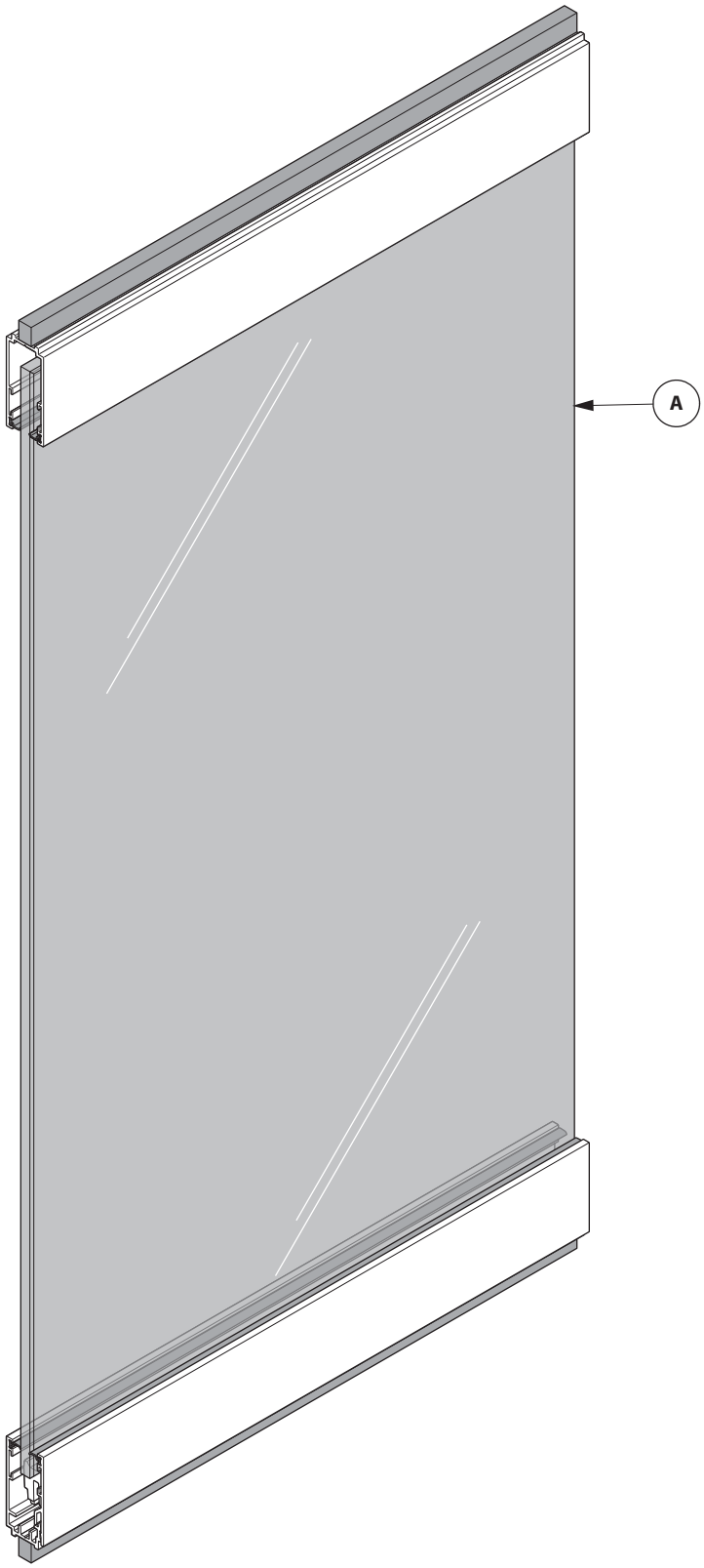
Safety Glasses



Glass Suction Cups

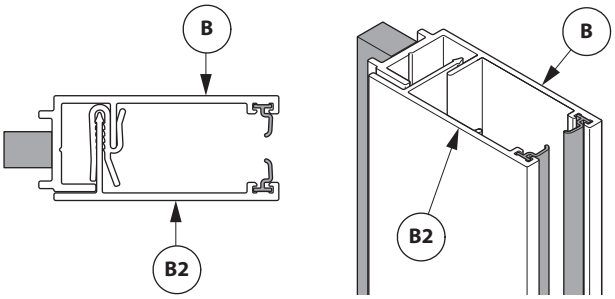


Glass Fronts

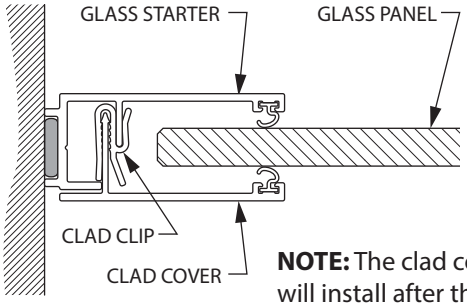


Wall Starter - Glass

3.1 COMPONENTS

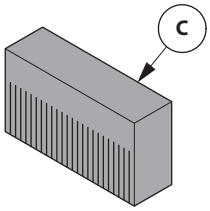


GLASS STARTER RAIL



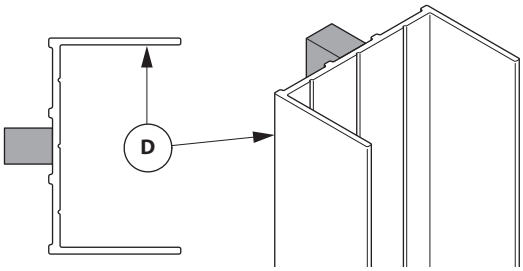
NOTE: The clad cover will install after the glass installation.

TOP VIEW

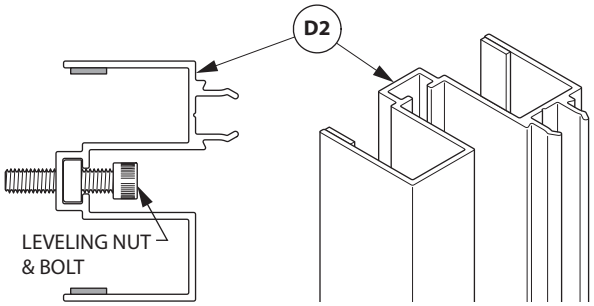


VERTICAL CEILING FILLER KIT FOAM

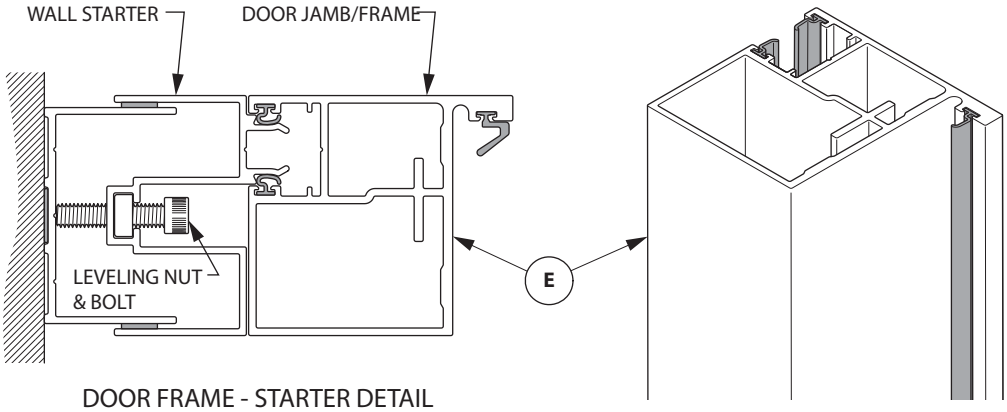
Wall Starter - Door



DOOR FRAME - STARTER INNER

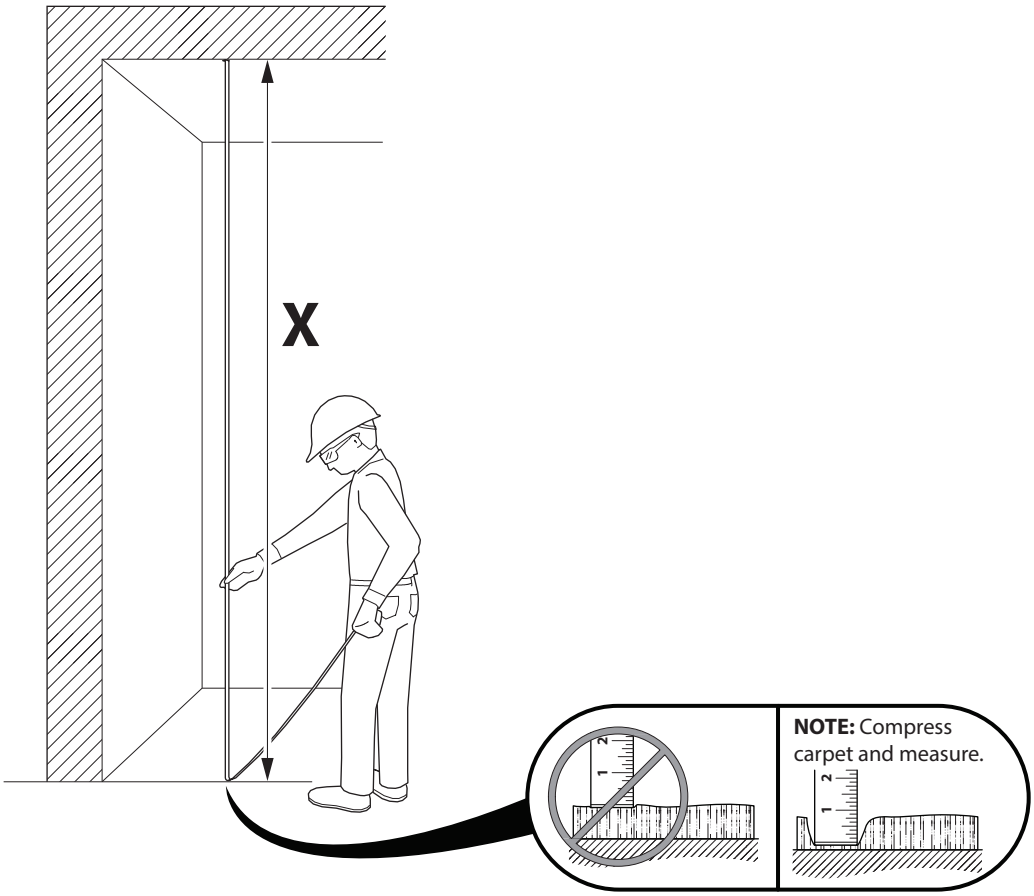


DOOR FRAME - STARTER OUTER

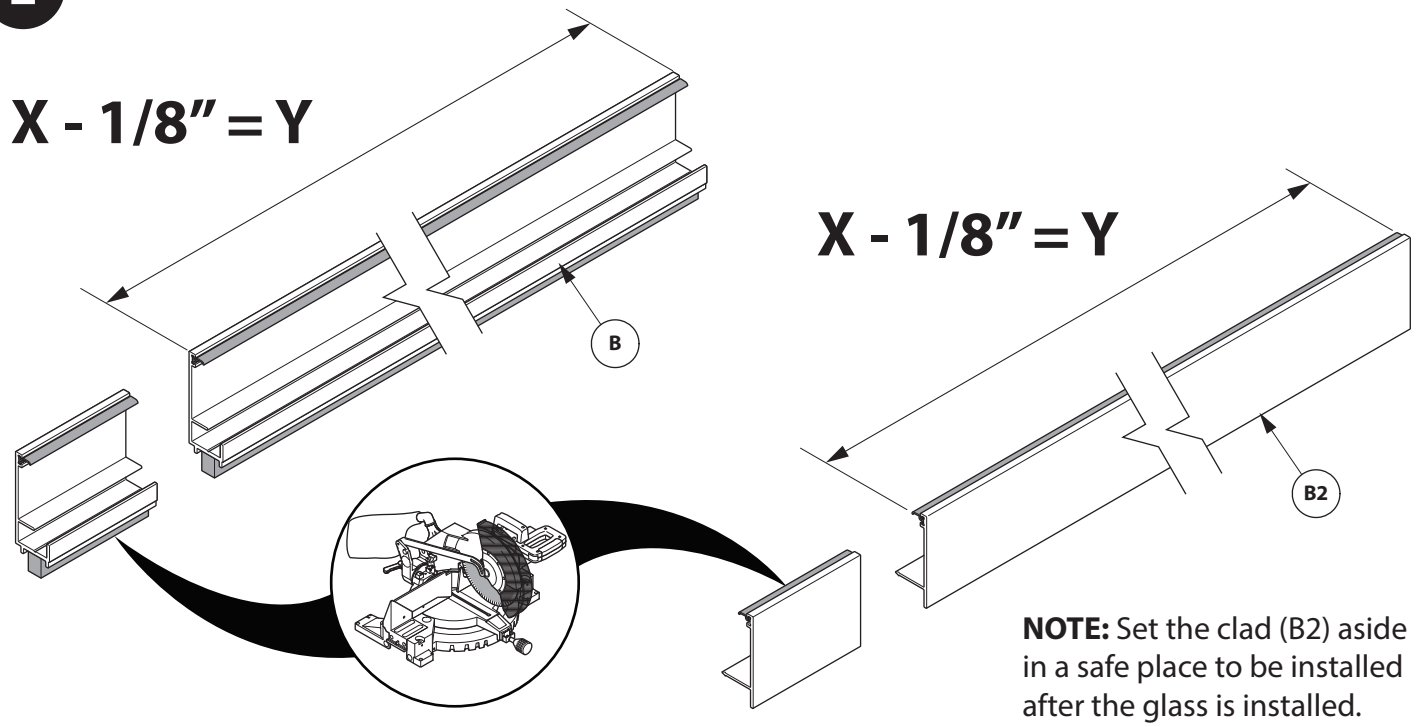


DOOR FRAME - STARTER DETAIL
TOP VIEW

1 Measure the opening as shown



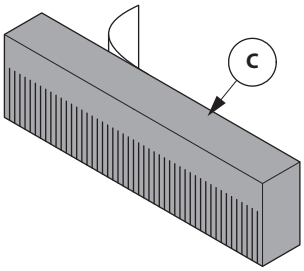
2 Cut starter rail (B) 1/8" (.125) shorter than measurement

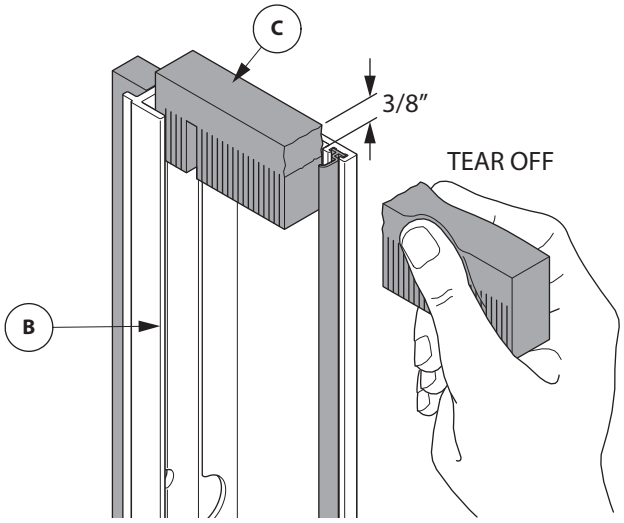


NOTE: Set the clad (B2) aside in a safe place to be installed after the glass is installed.

Wall Starter - Glass

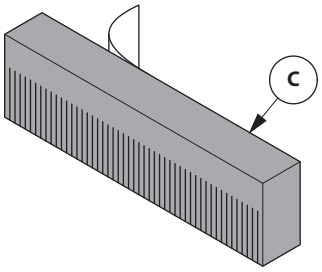
3 **Install acoustic foam (C)**

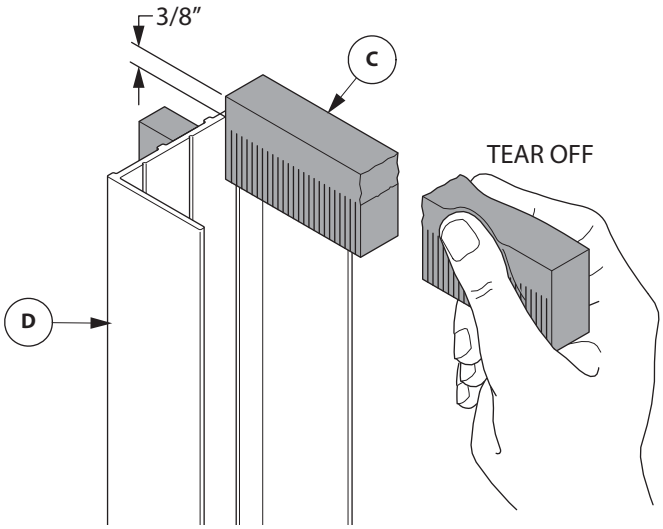




OR

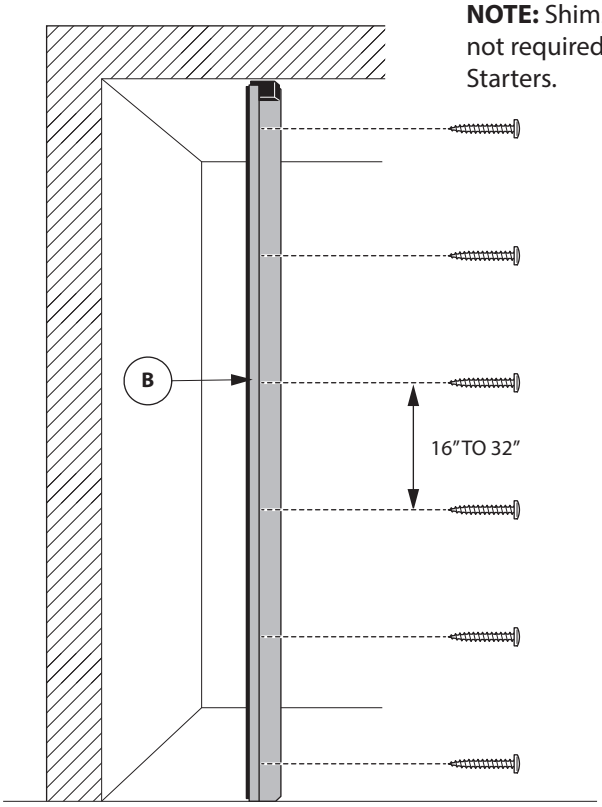
Wall Starter - Door



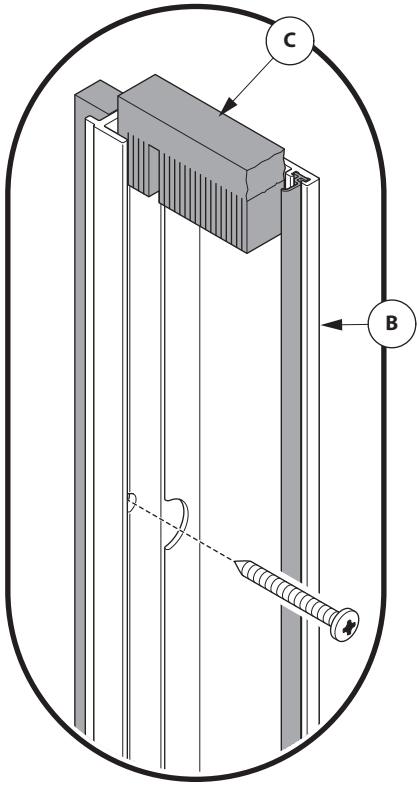


Wall Starter - Glass

4 **Place starter (B or D) against wall, compressing top foam (C) against ceiling. Attach to wall with screws (not provided) every 16-32".**

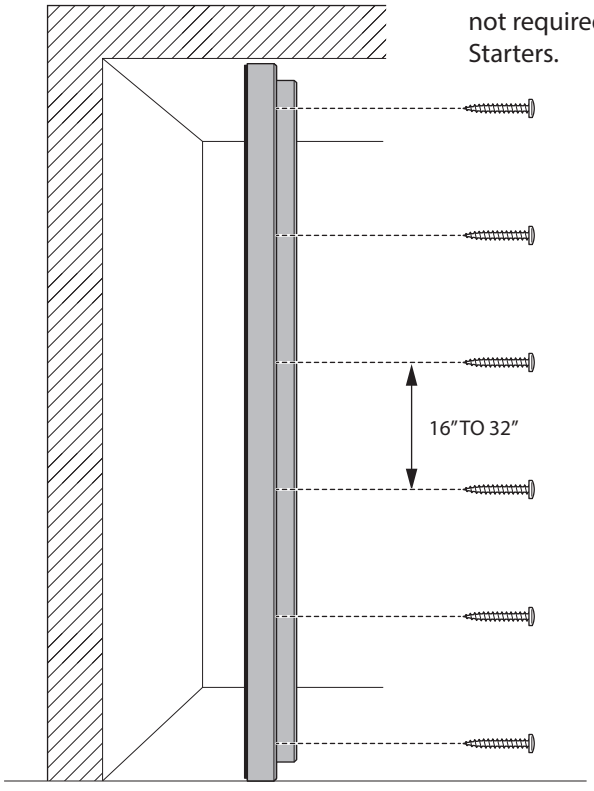


NOTE: Shims are not required for Starters.

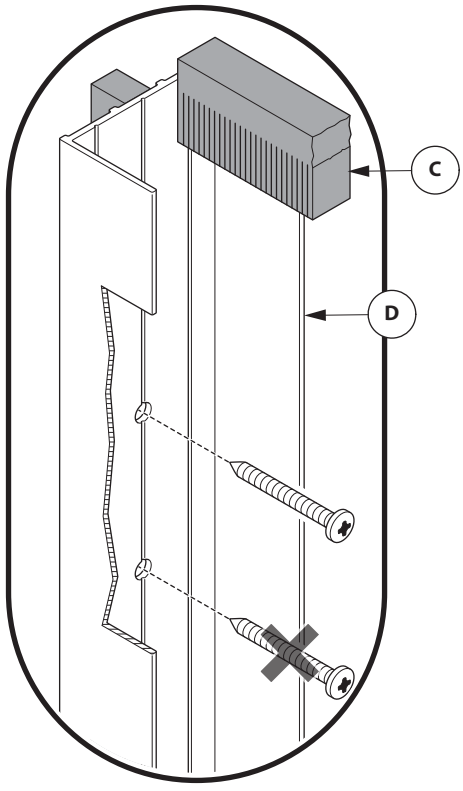


OR

Wall Starter - Door

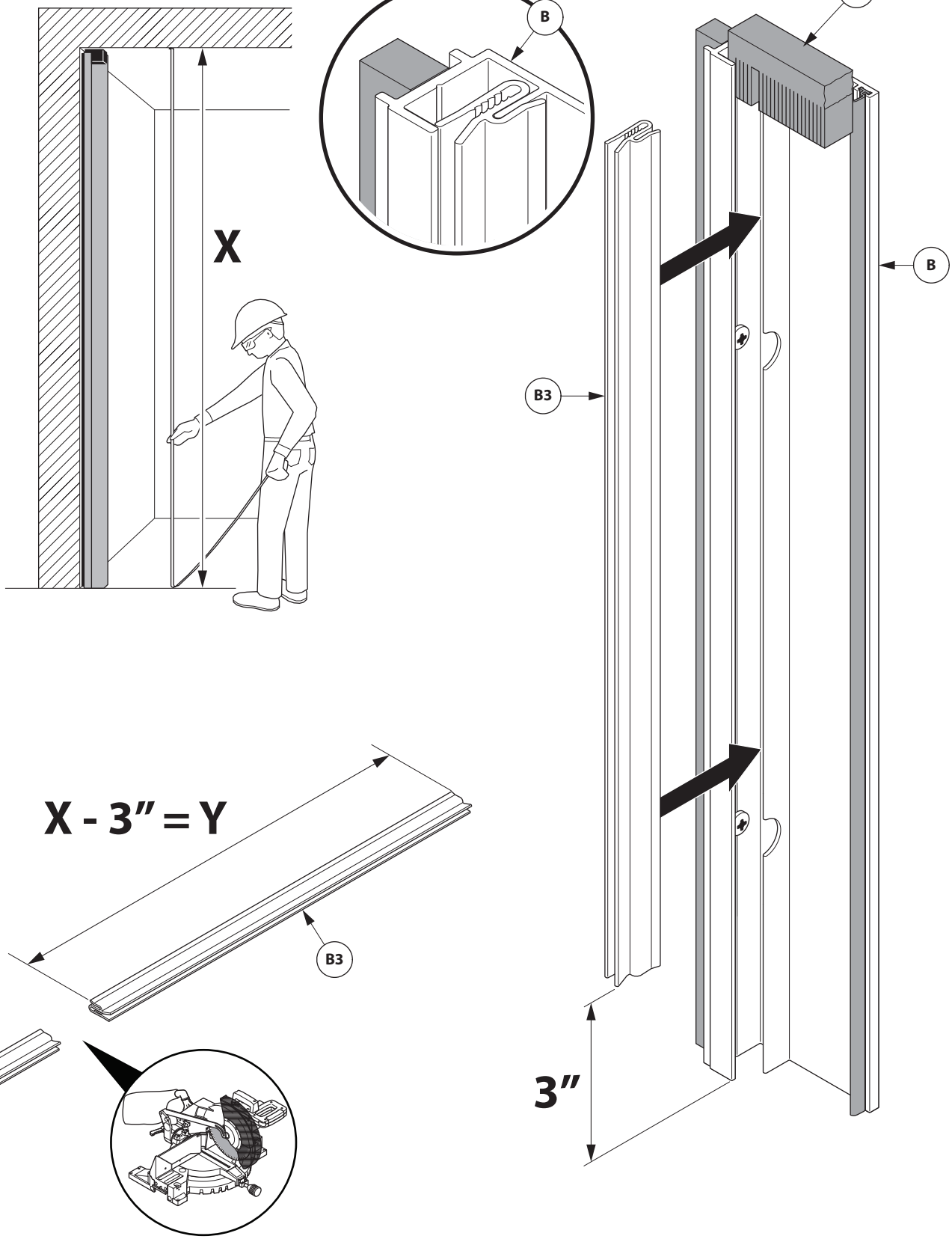


NOTE: Shims are not required for Starters.



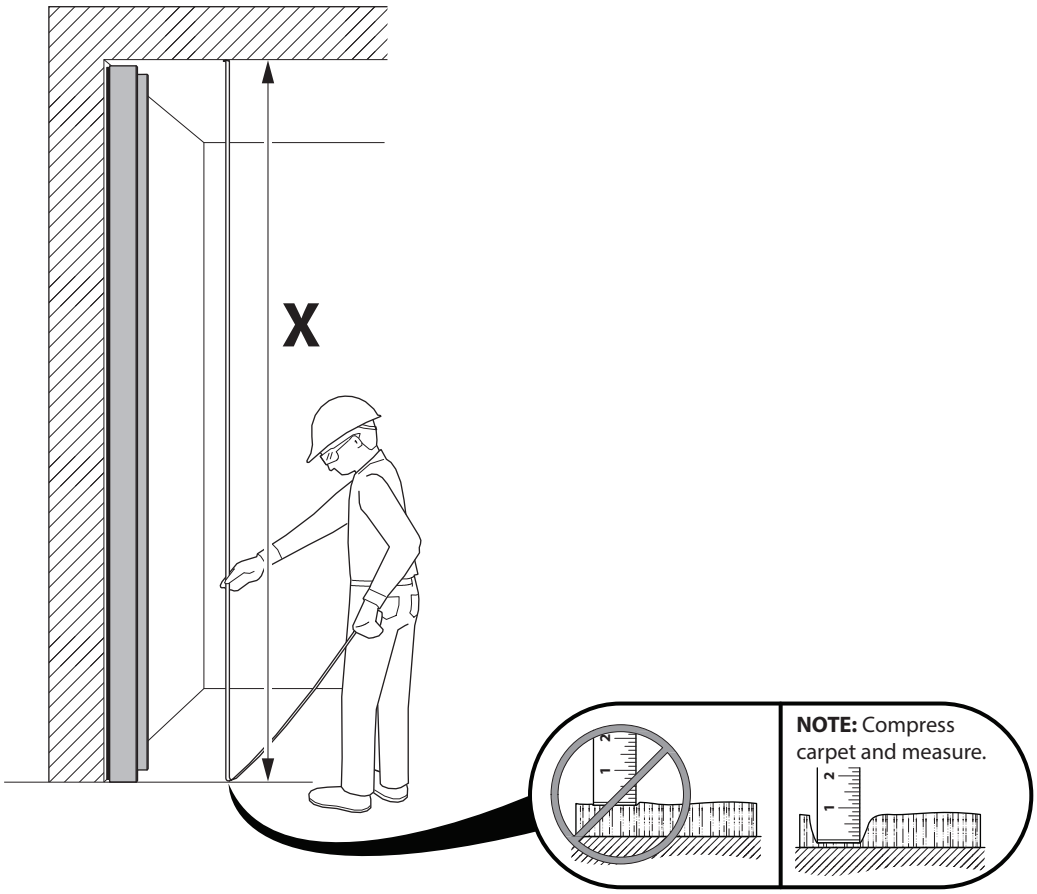
Wall Starter - Glass

5 **Measure clad clip (B3) and cut minus 3" and install as shown**

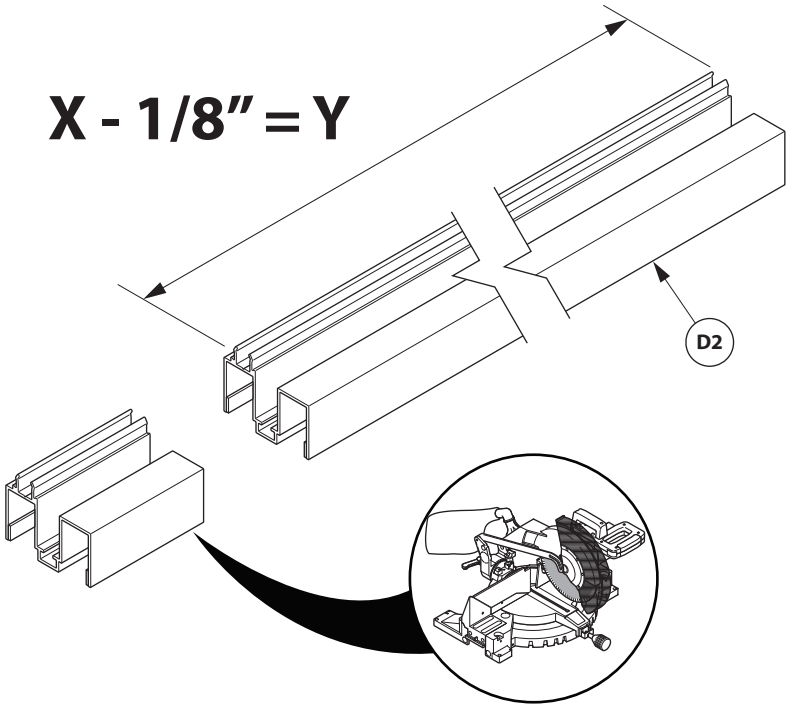


Wall Starter - Door

6 **Measure the opening as shown**

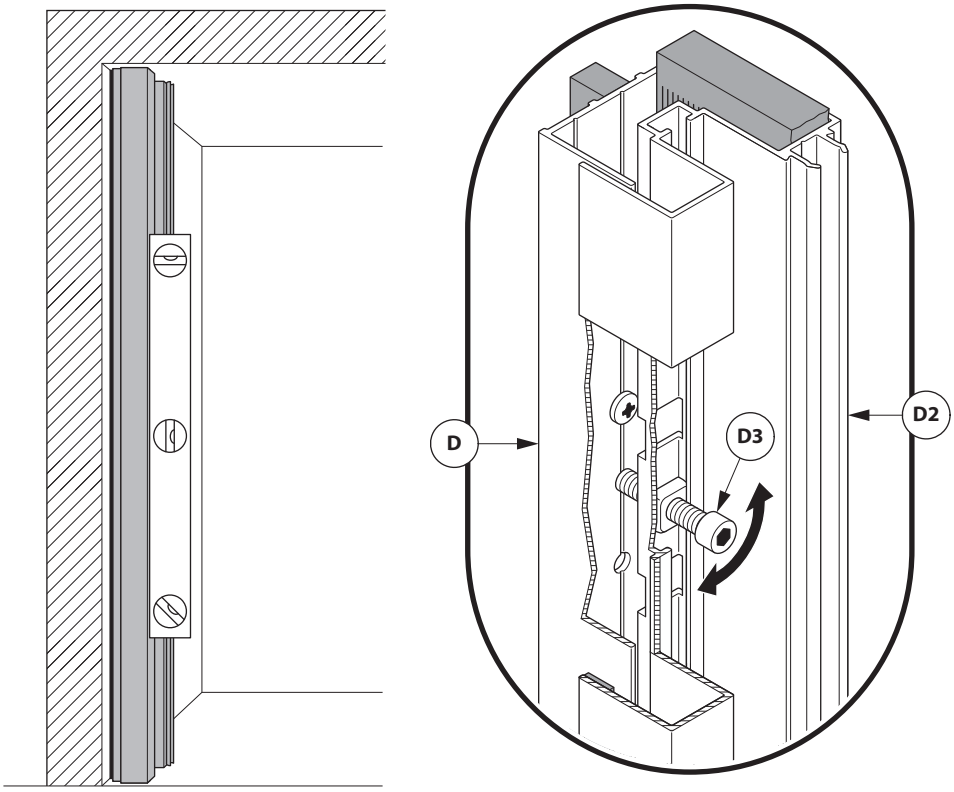


7 **Cut starter rail (B) 1/8" (.125) shorter than measurement**

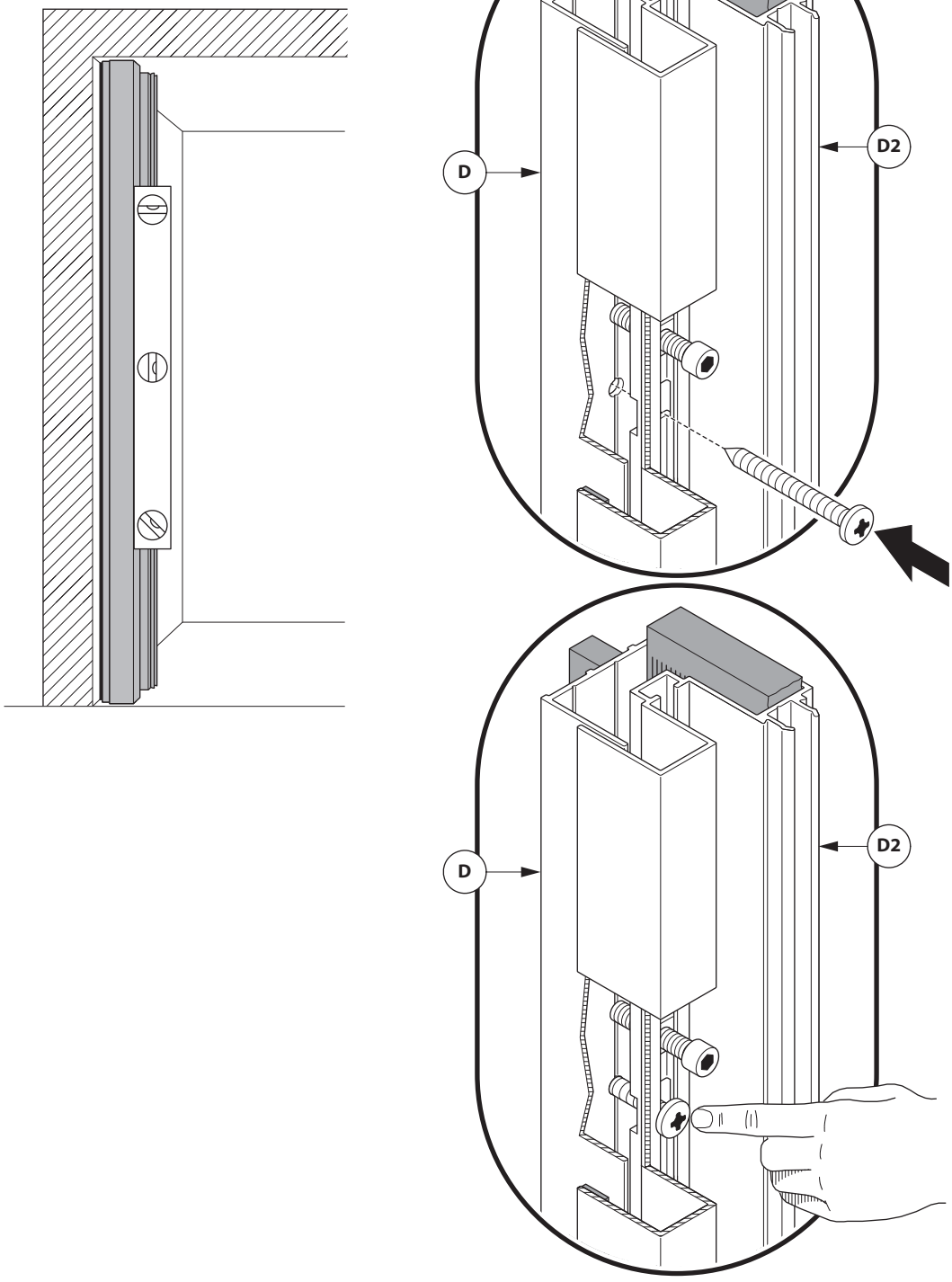


Wall Starter - Door

8 **Adjust bolts (D3) to plumb starter (D2)**

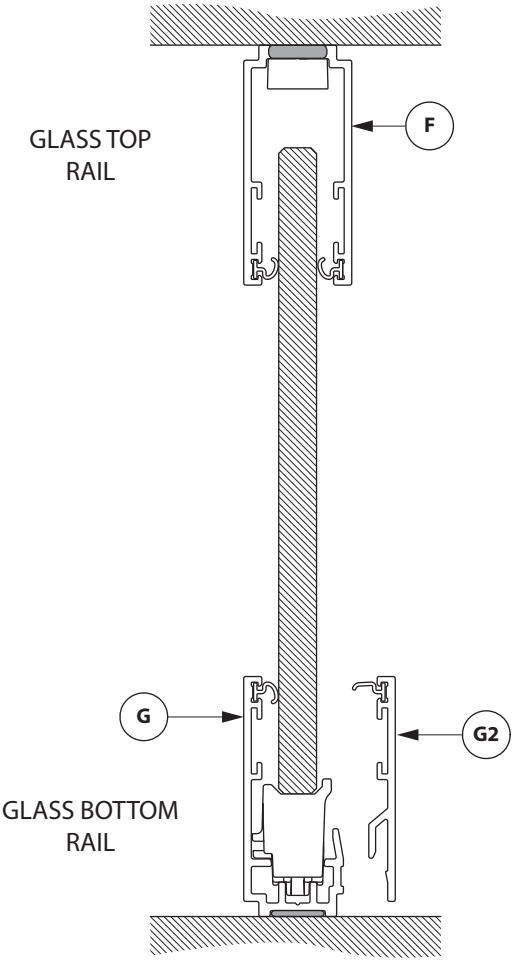


9 Install screws to secure outer starter (D2) to wall as shown

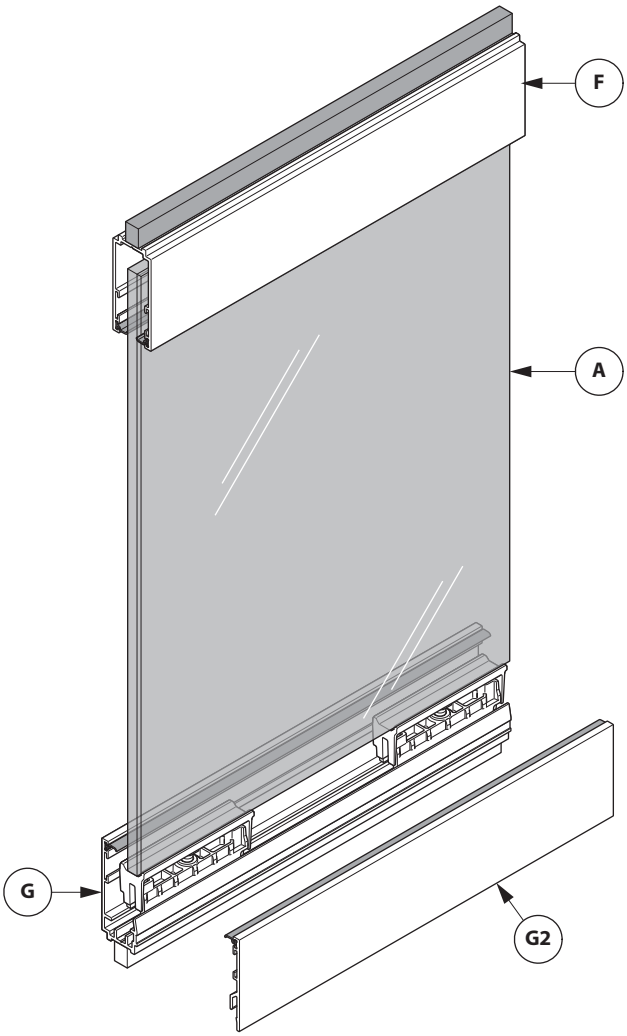


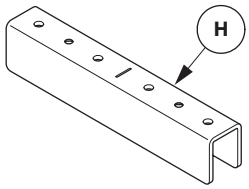
Glass - Components

4.1 COMPONENTS

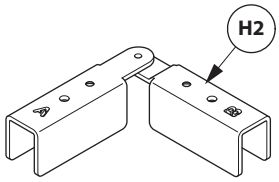


SECTION VEW - ASSEMBLY

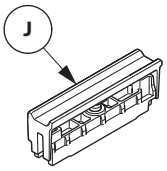




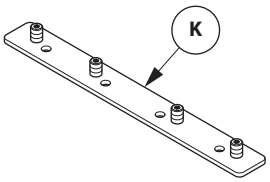
INLINE TOP SPLINE BRACKET



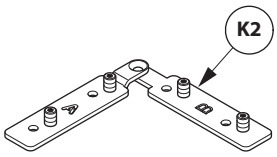
2WAY TOP SPLINE BRACKET



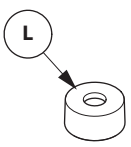
GLASS LEVELER



INLINE BOTTOM SPLINE BRACKET

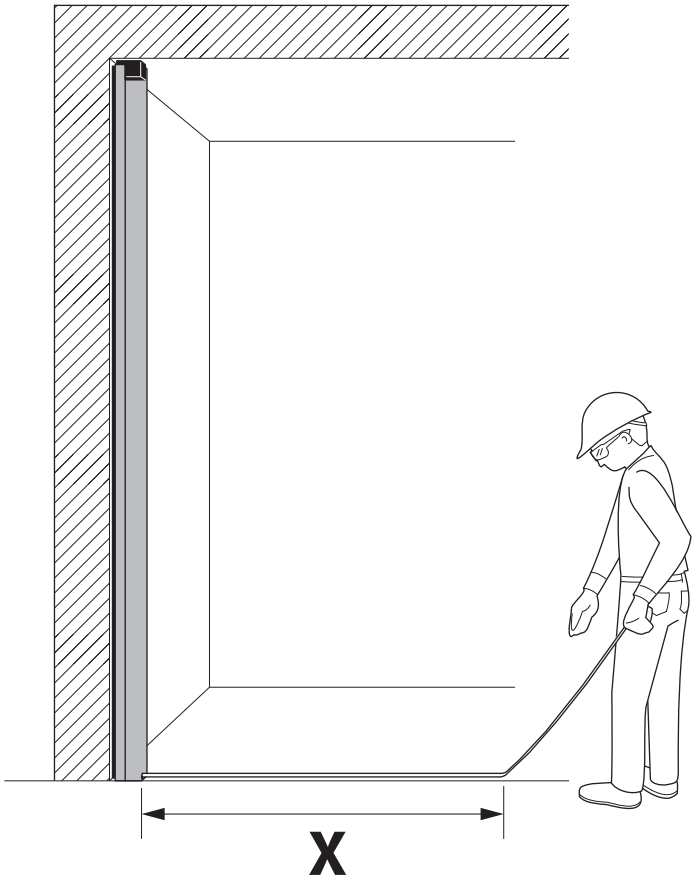


2WAY BOTTOM SPLINE BRACKET

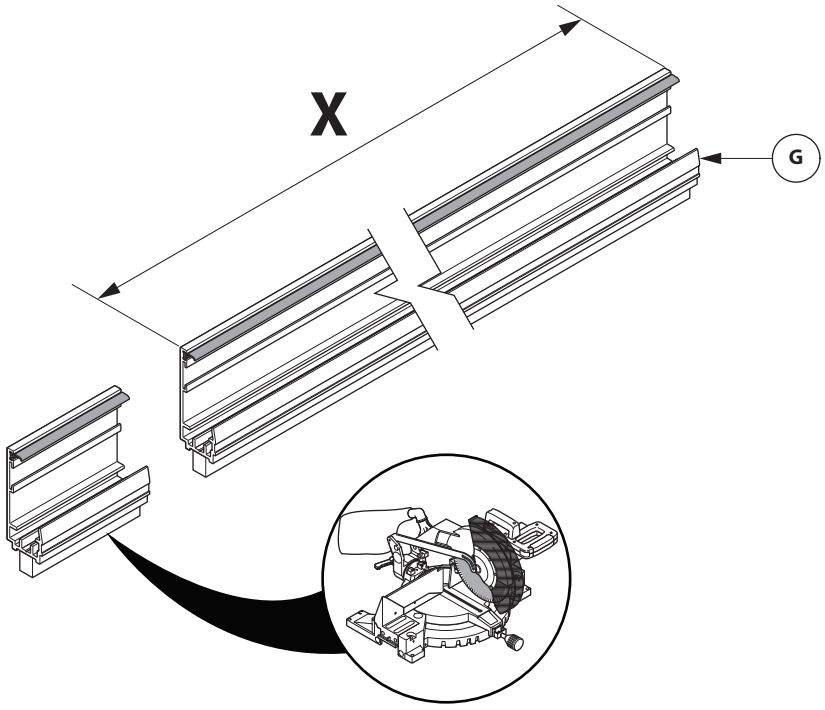


SCREW CAP

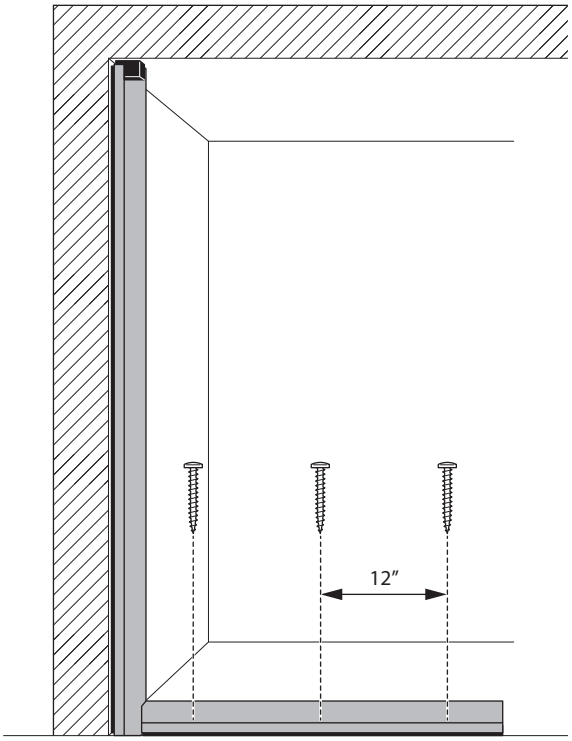
1 Measure for bottom rail as shown



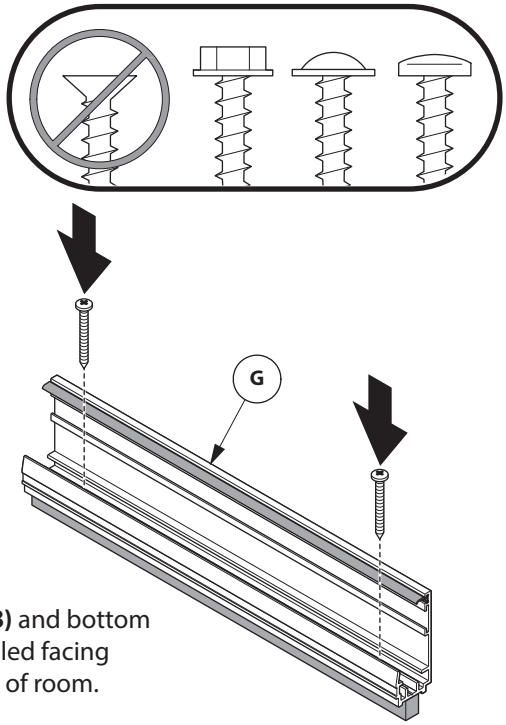
2 Cut buttom rail (G)



3 Align rail (G) on floor and place tight against adjacent rails. Attach to floor with screws (not provided) every 12".

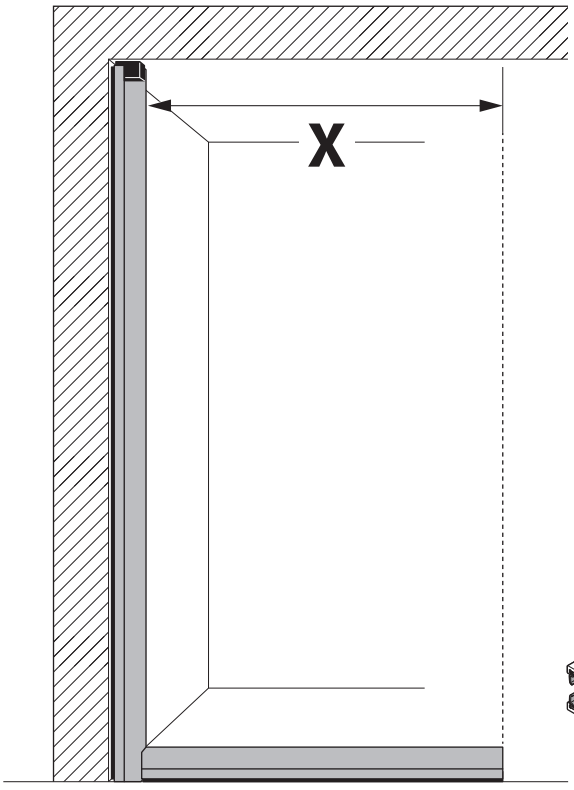


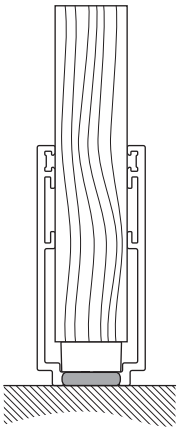
NOTE: Only use pan head and washer head screws. **DO NOT USE** countersunk screws unless provided for use.



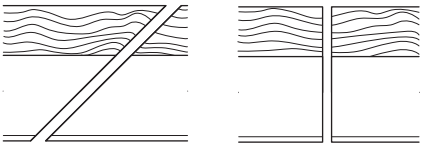
NOTE: Starter **(B)** and bottom rail **(G)** are installed facing towards outside of room.

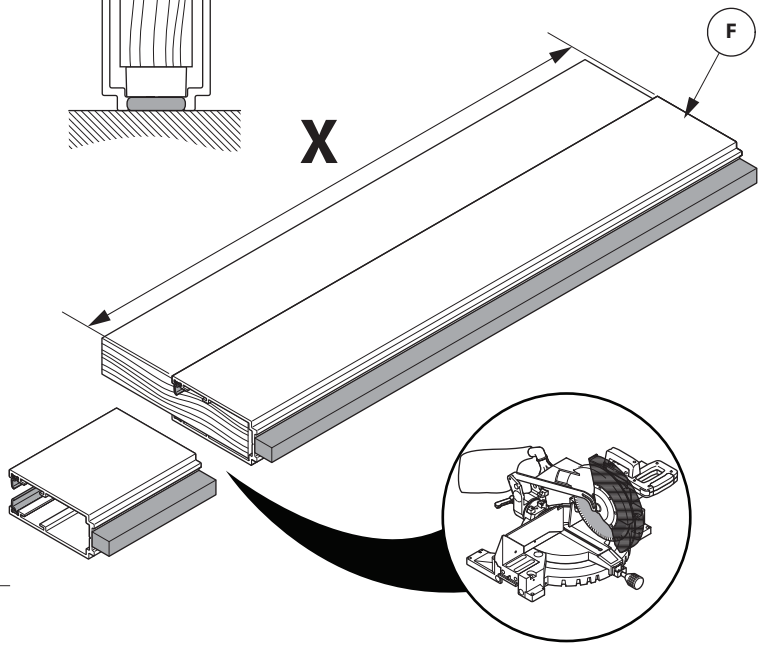
4 Measure for top rail and cut rail (F) as shown





NOTE: Insert a 1 x 4″ board to prevent compressing the rail **(F)** for an accurate cut.

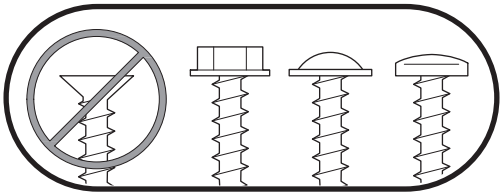


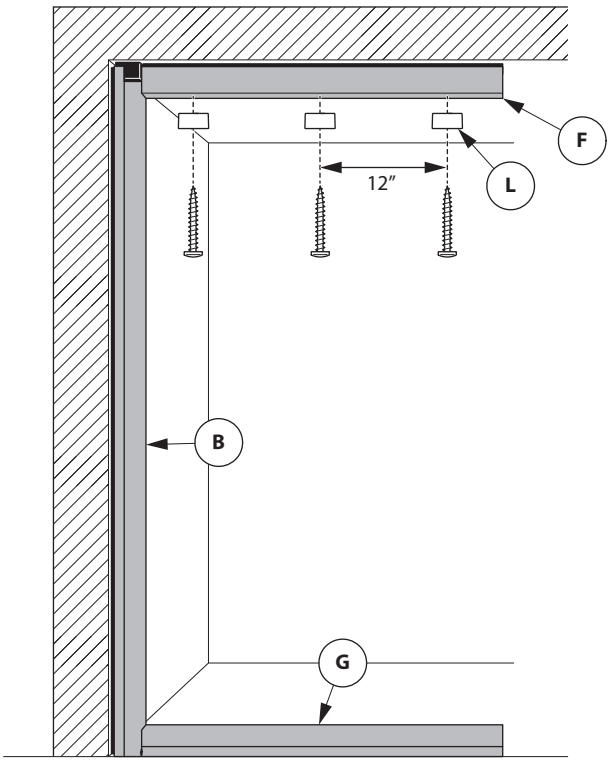


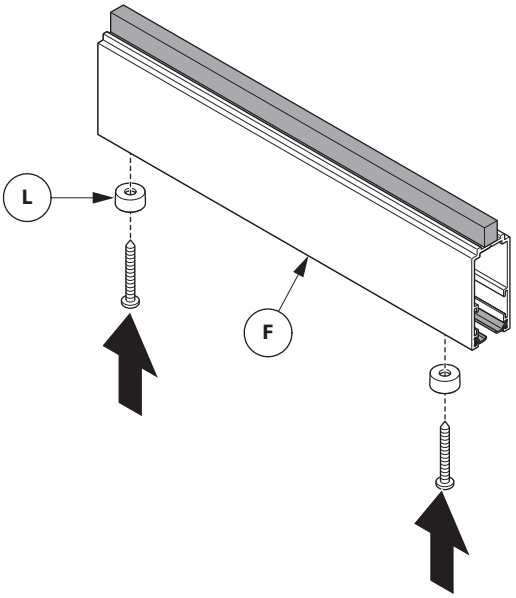
4

Align rail (F) on ceiling and place tight against adjacent rails. Attach to ceiling with screws (not provided) every 12". Make sure to use screw caps (L) to protect glass from screws.

NOTE: Only use pan head and washer head screws. **DO NOT USE** countersunk screws unless provided for use.

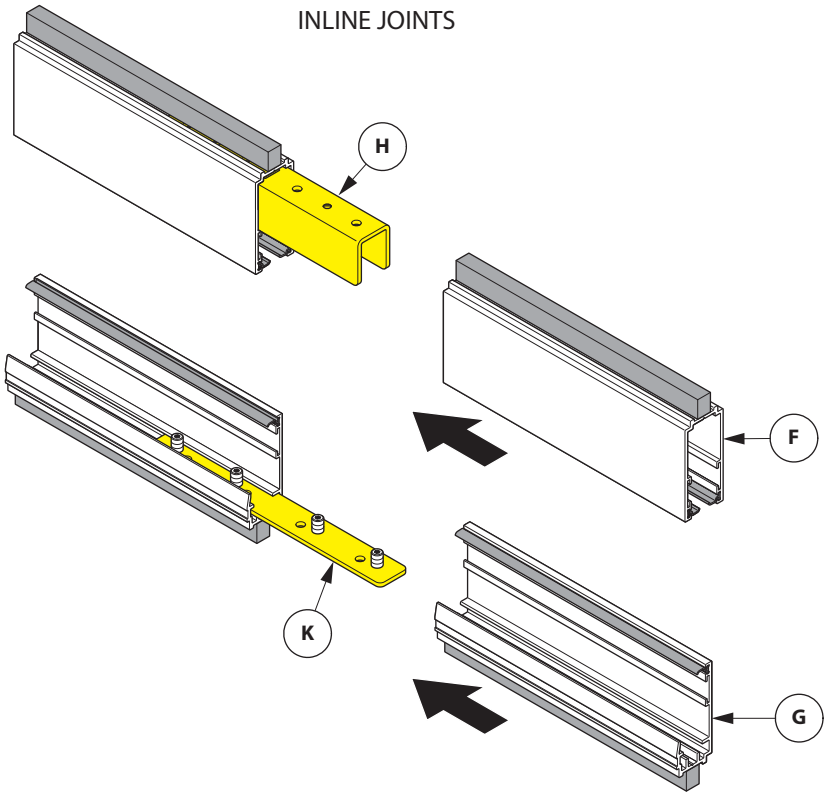




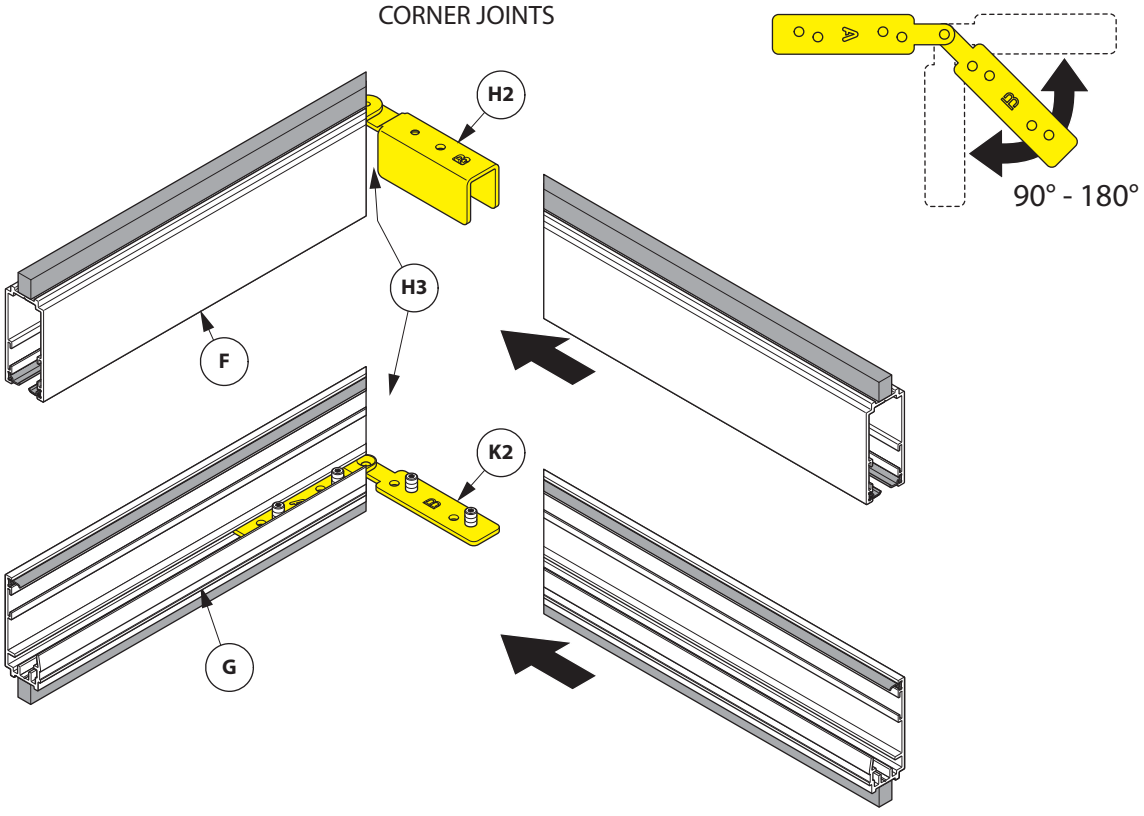


5 Insert top (H & K) and bottom (H2 & K2) with (H3 & K3) spline brackets as shown at corners or inline joints

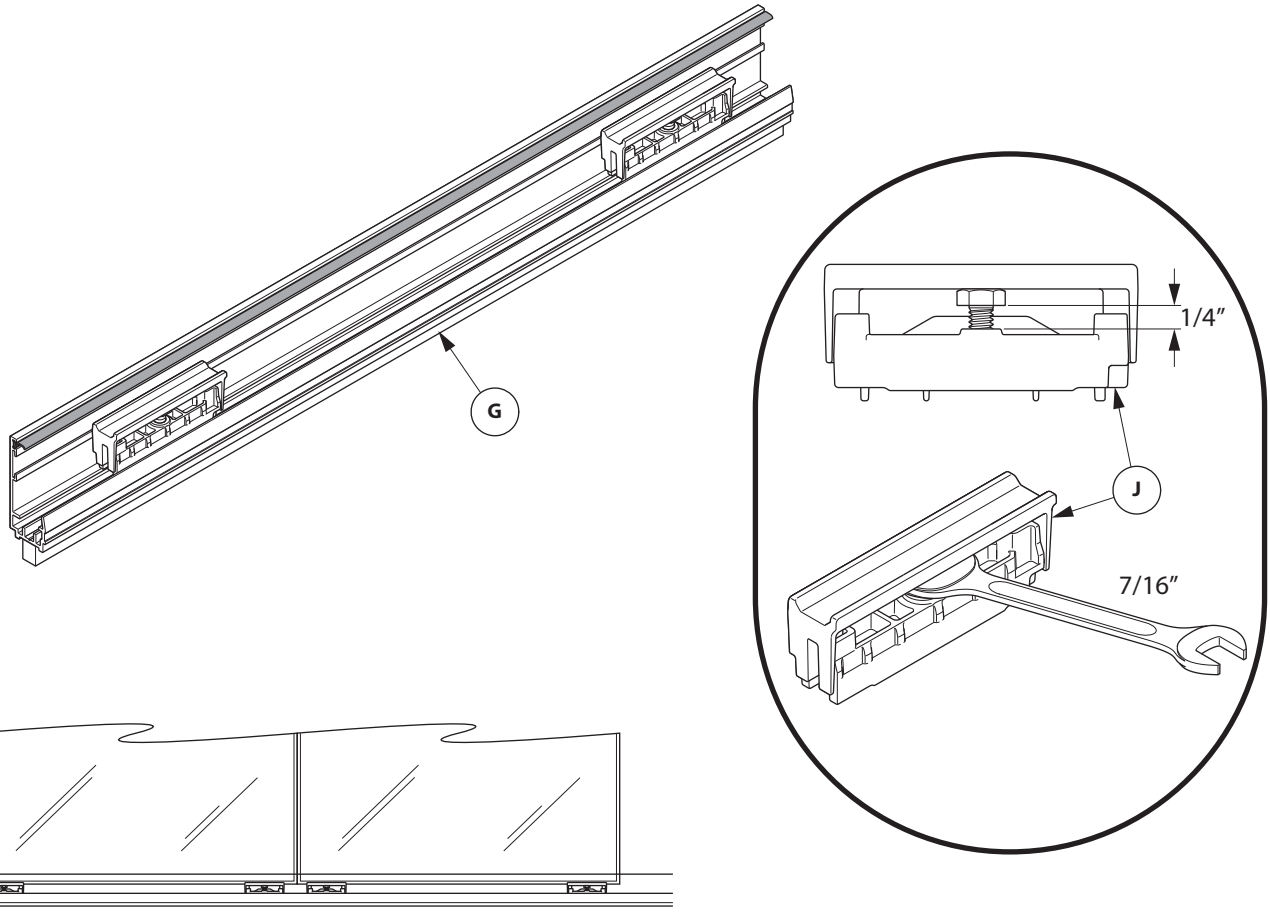
INLINE JOINTS



CORNER JOINTS



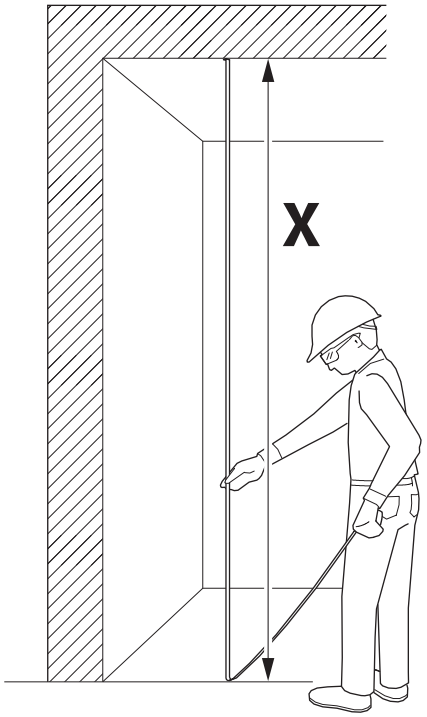
7 **Adjust bolt to set height (1/4") as shown. Insert levelers (J) so the side with bolt access is facing the open side of the bottom rails (G). Locate levelers (J) on each side of glass pane locations.**



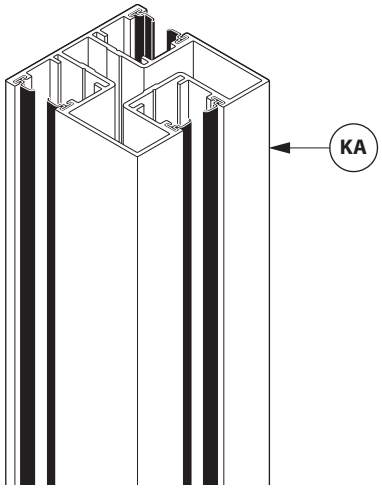
Glass Intersection Options

3way Glass Transition

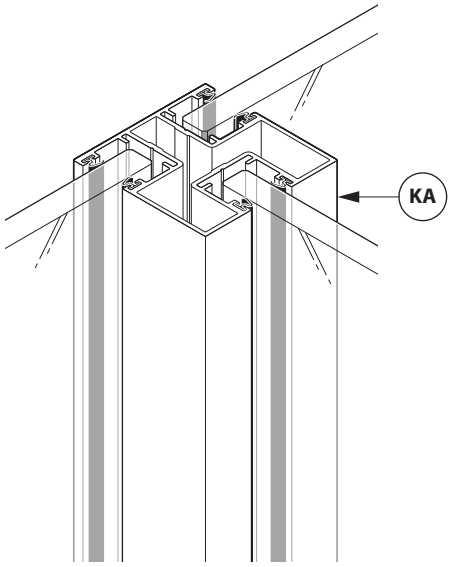
1 **Cut 3way glass transition rail (KA) 1/8" (.125) shorter than measurement X".**

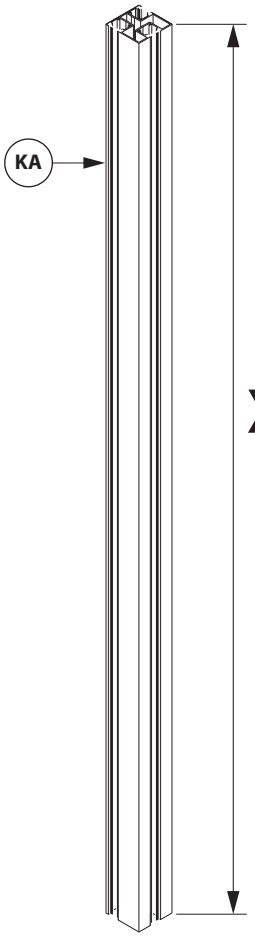


Without Glass Installed



With Glass Installed





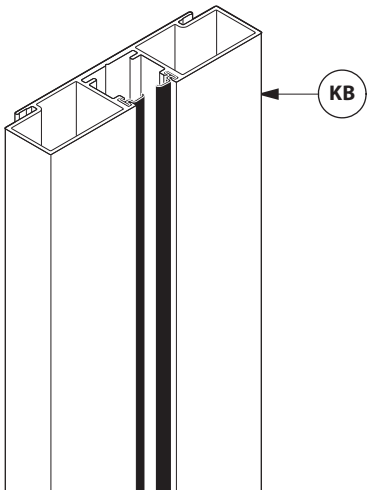
X - 1/8" = Y

Glass Intersection Options

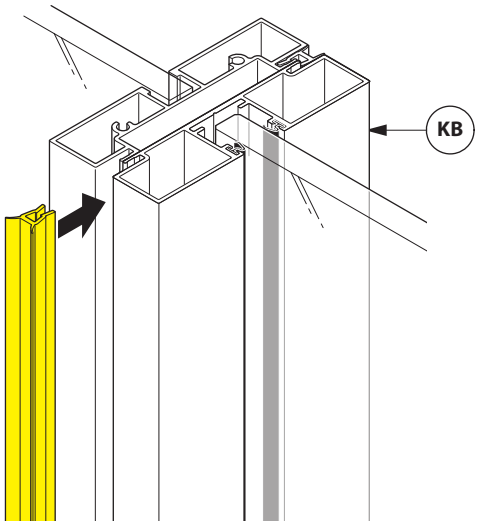
Single Center Glass asm

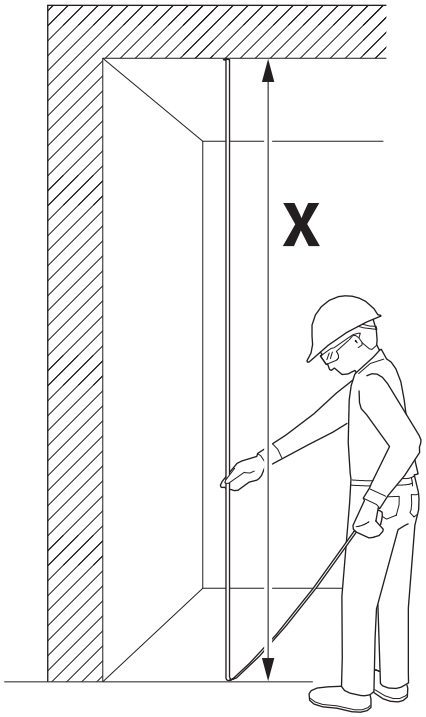
1 **Cut single center glass rail (KB) 1/8" (.125) shorter than measurement X".**

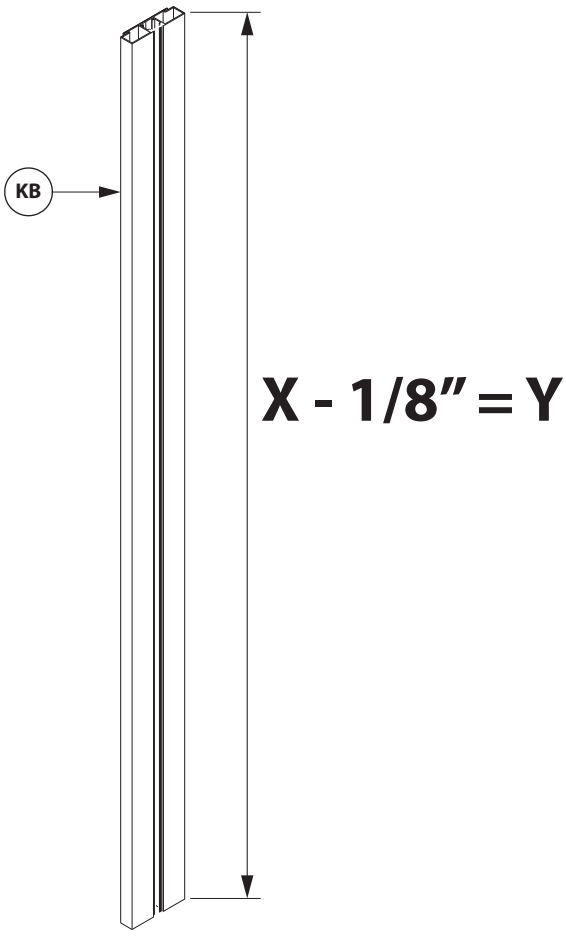
Without Glass Installed



With Glass Installed





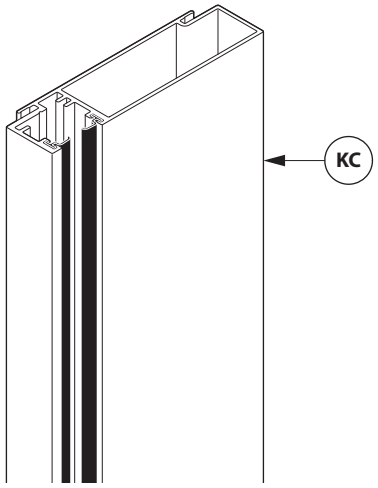


Glass Intersection Options

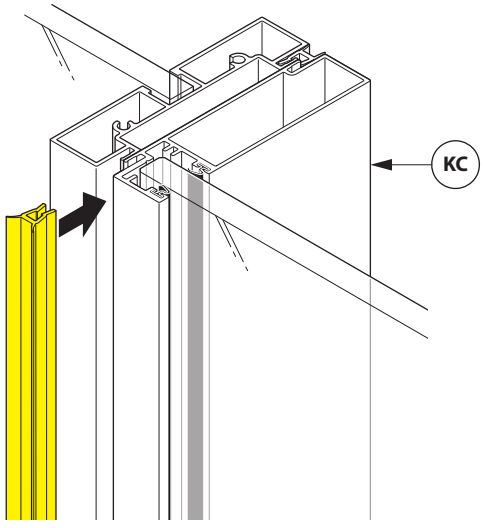
Single Offset Glass asm

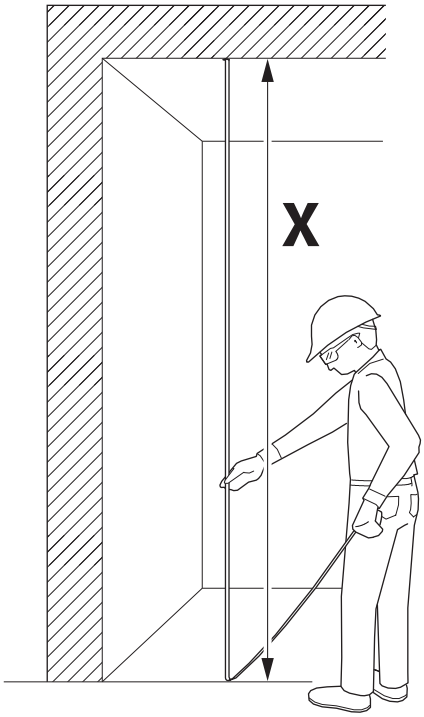
1 **Cut single offset glass rail (KB) 1/8" (.125) shorter than measurement X".**

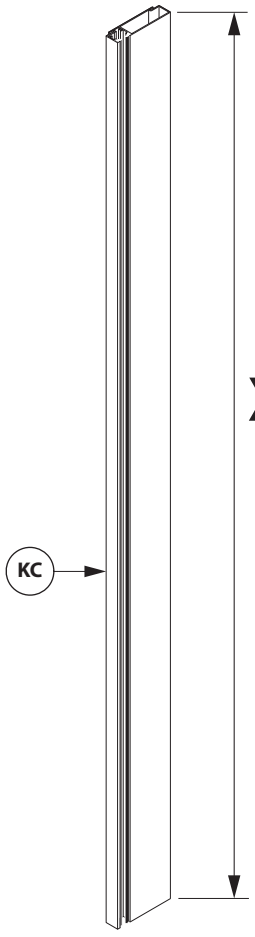
Without Glass Installed



With Glass Installed







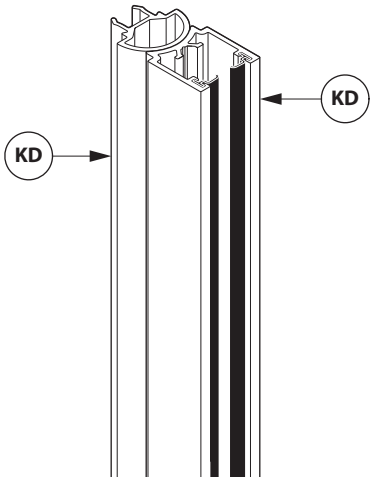
X - 1/8" = Y

Glass Intersection Options

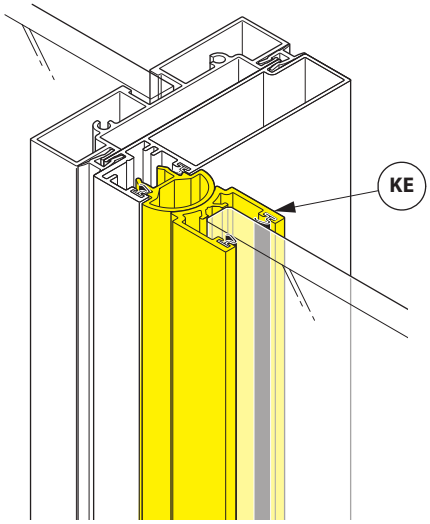
Variable Angle Glass asm

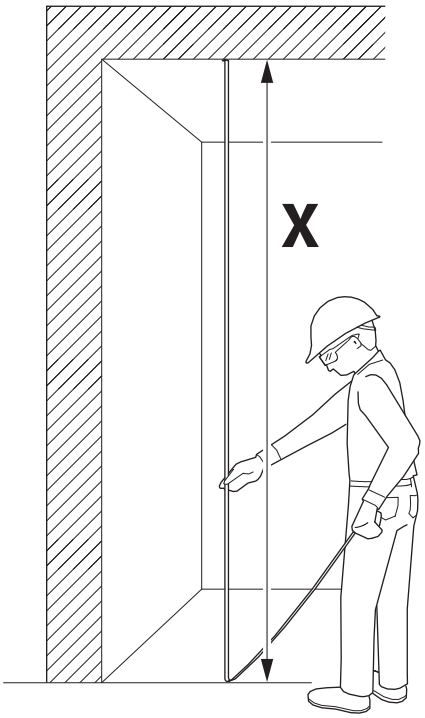
1 **Cut variable angle glass asm (KD) 1/8" (.125) shorter than measurement X".**

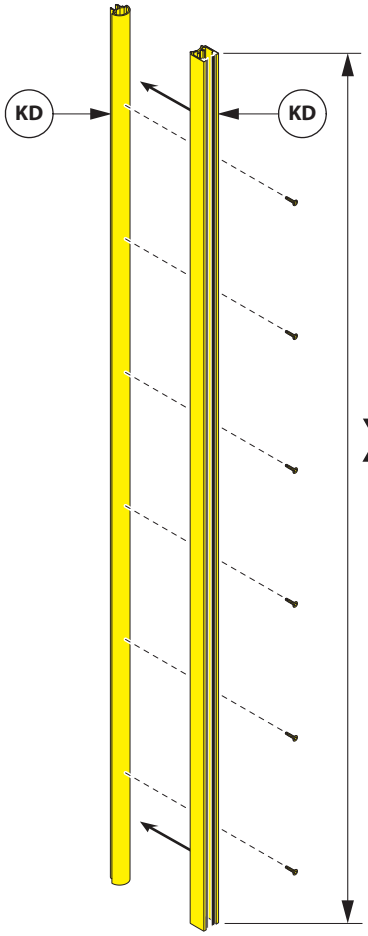
Without Glass Installed



With Glass Installed

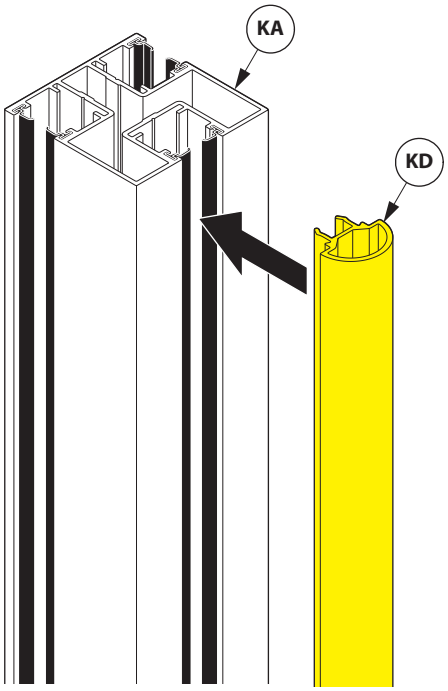




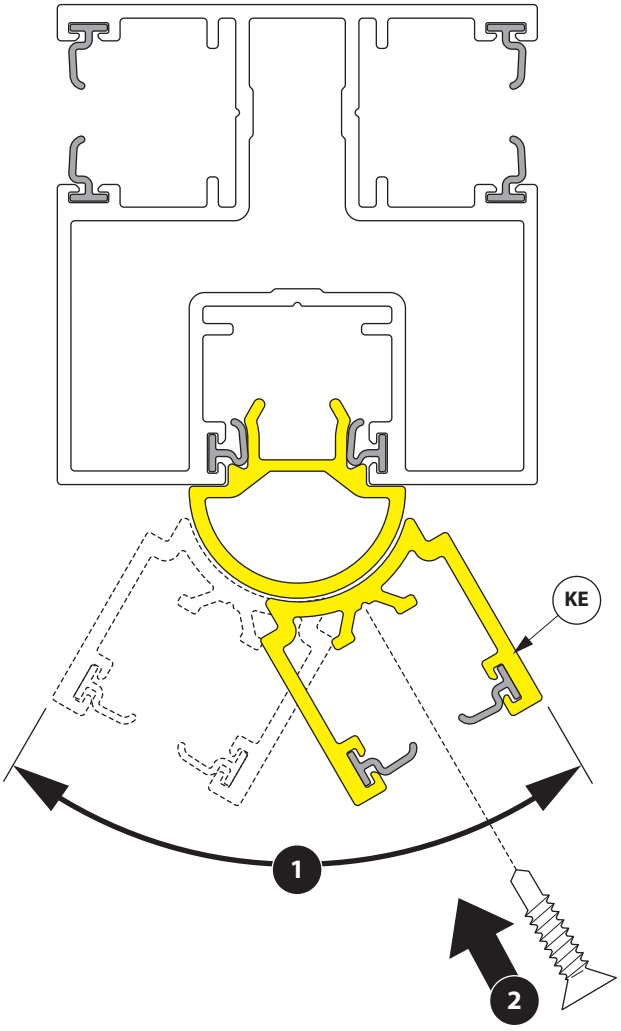


X - 1/8" = Y

2 **Snap part (KD) into center channel as shown.**



3 **Adjust varibale channel (KE1) and secure. Refer to plan layout for proper angle.**

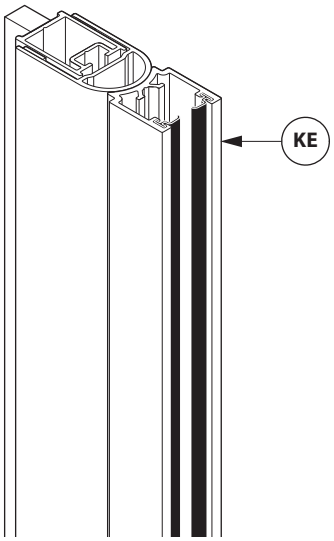


Glass Intersection Options

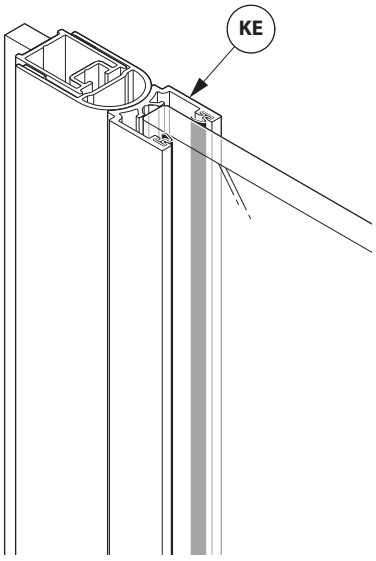
Variable Angle Glass asm

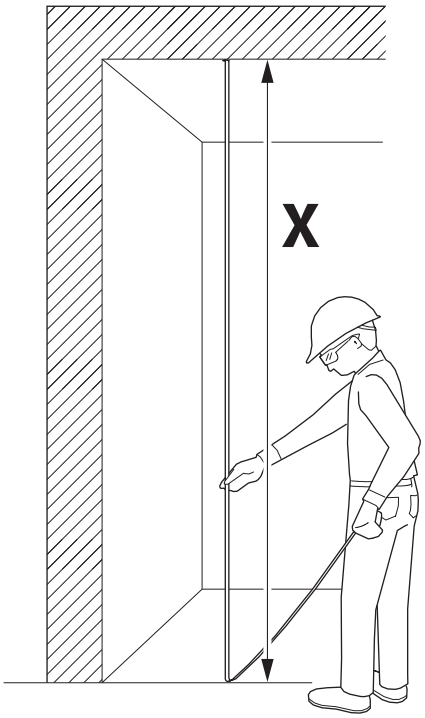
1 **Cut variable angle glass asm (KE) 1/8" (.125) shorter than measurement X".**

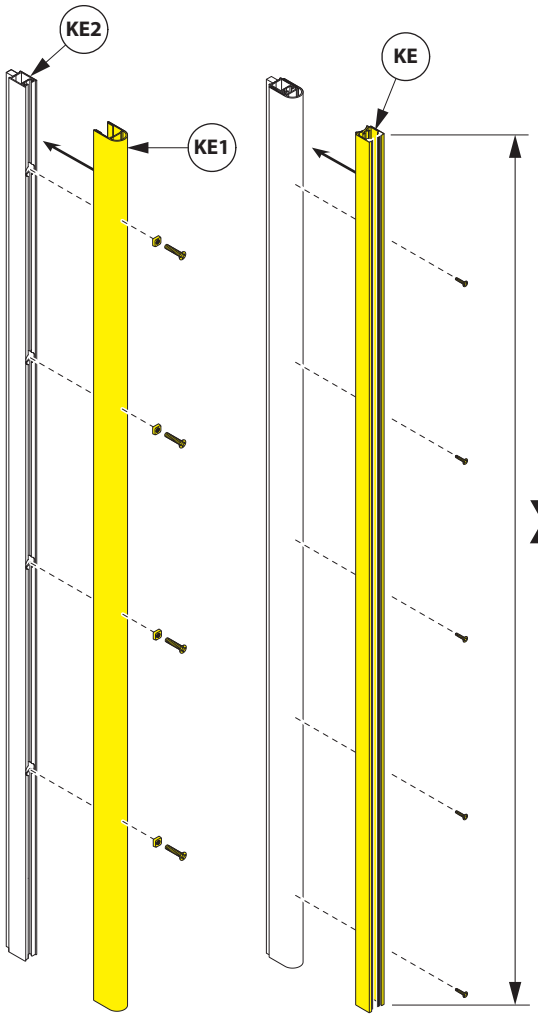
Without Glass Installed



With Glass Installed

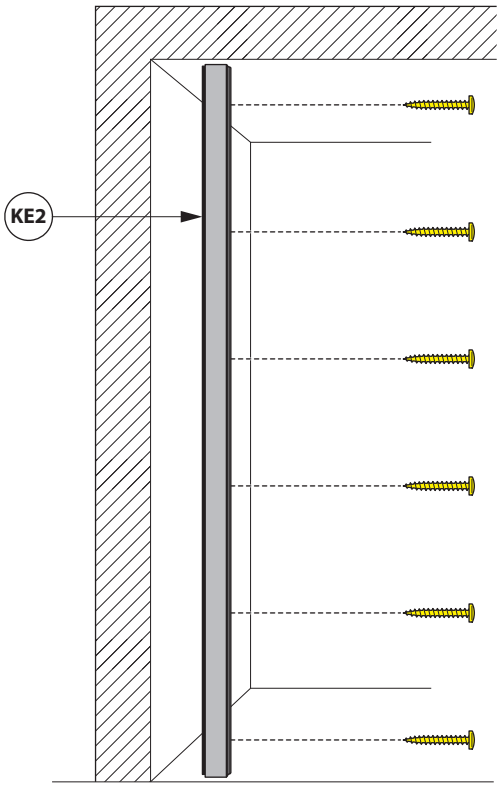


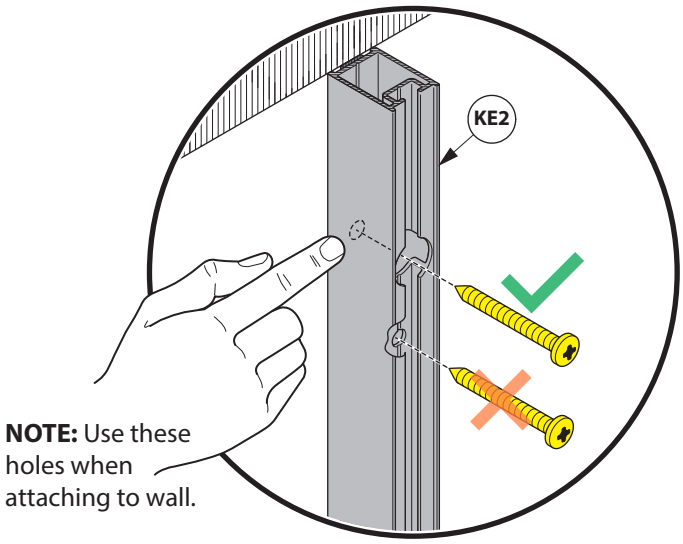




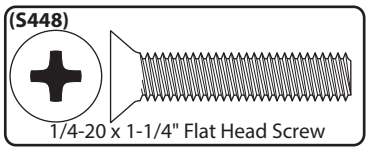
X - 1/8" = Y

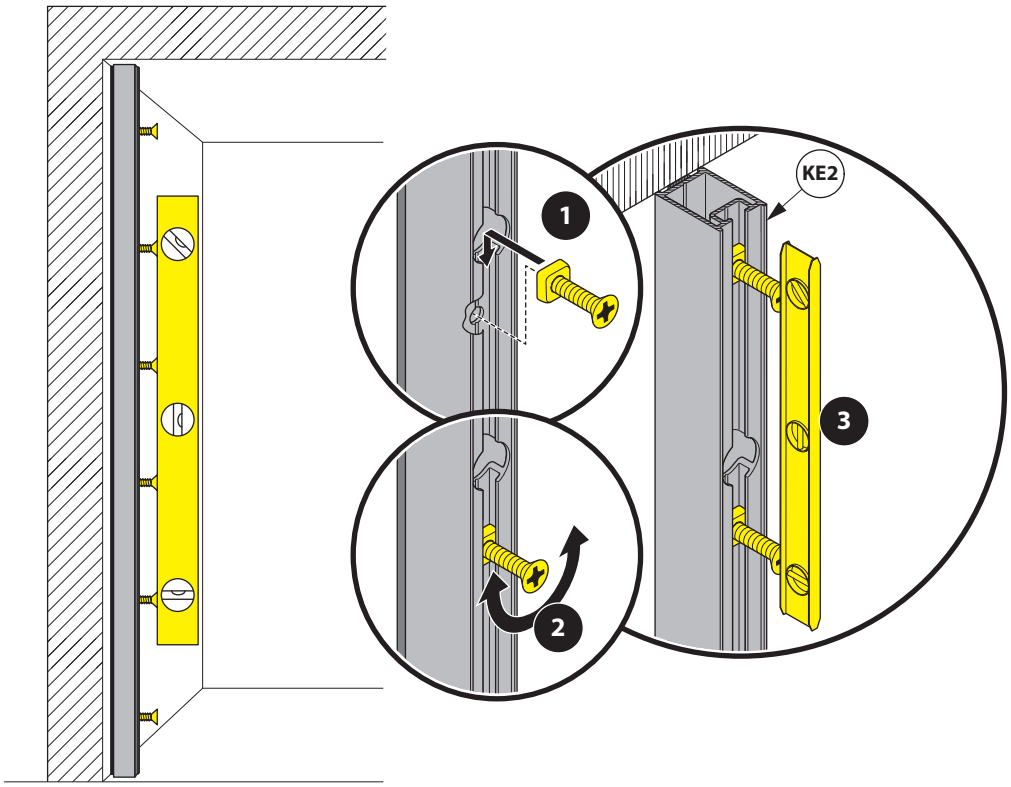
2 **Install using only the holes as shown when attaching channel (KE2) to wall (screws not provided).**



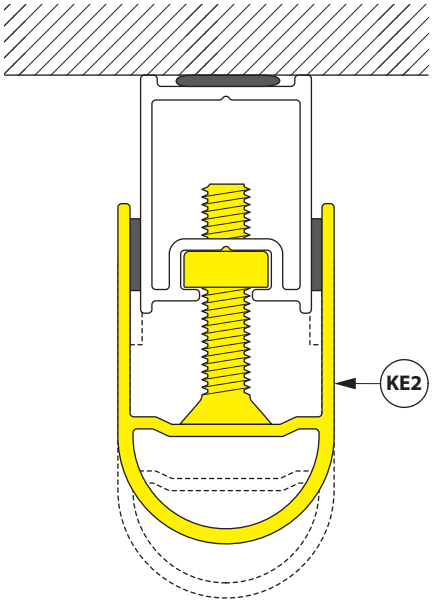


3 **Install square nut with screw(s) (S448) sliding into channel (KE2), then align with holes and adjust screw(s) (S448) until level as shown.**

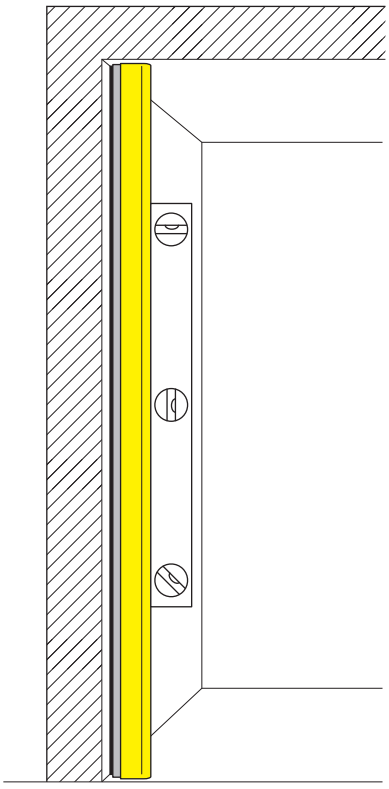




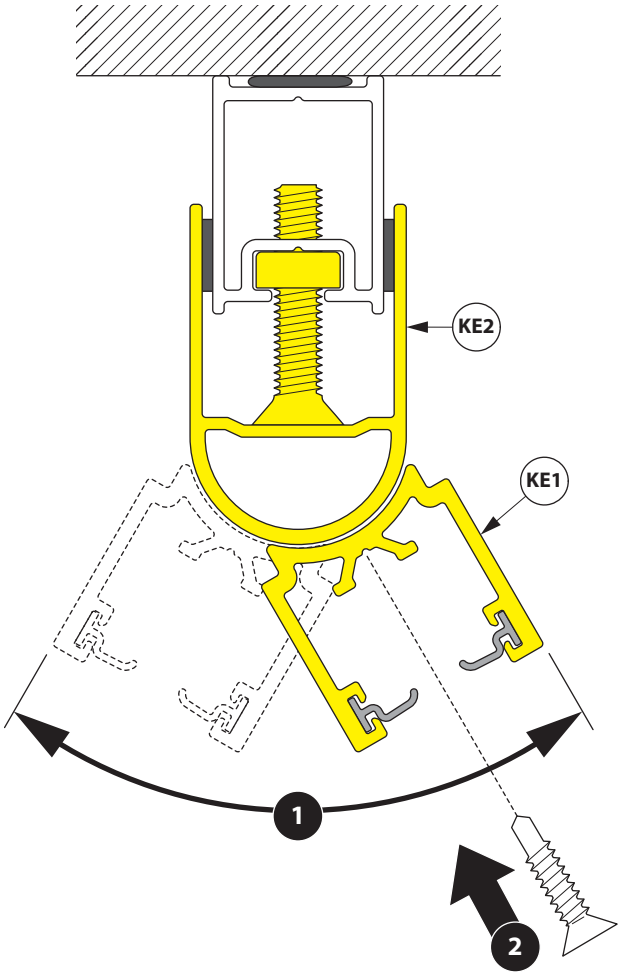
4 **Slide cover (KE1) on and check level. Refer to previous step if leveling is required.**



TOP VIEW

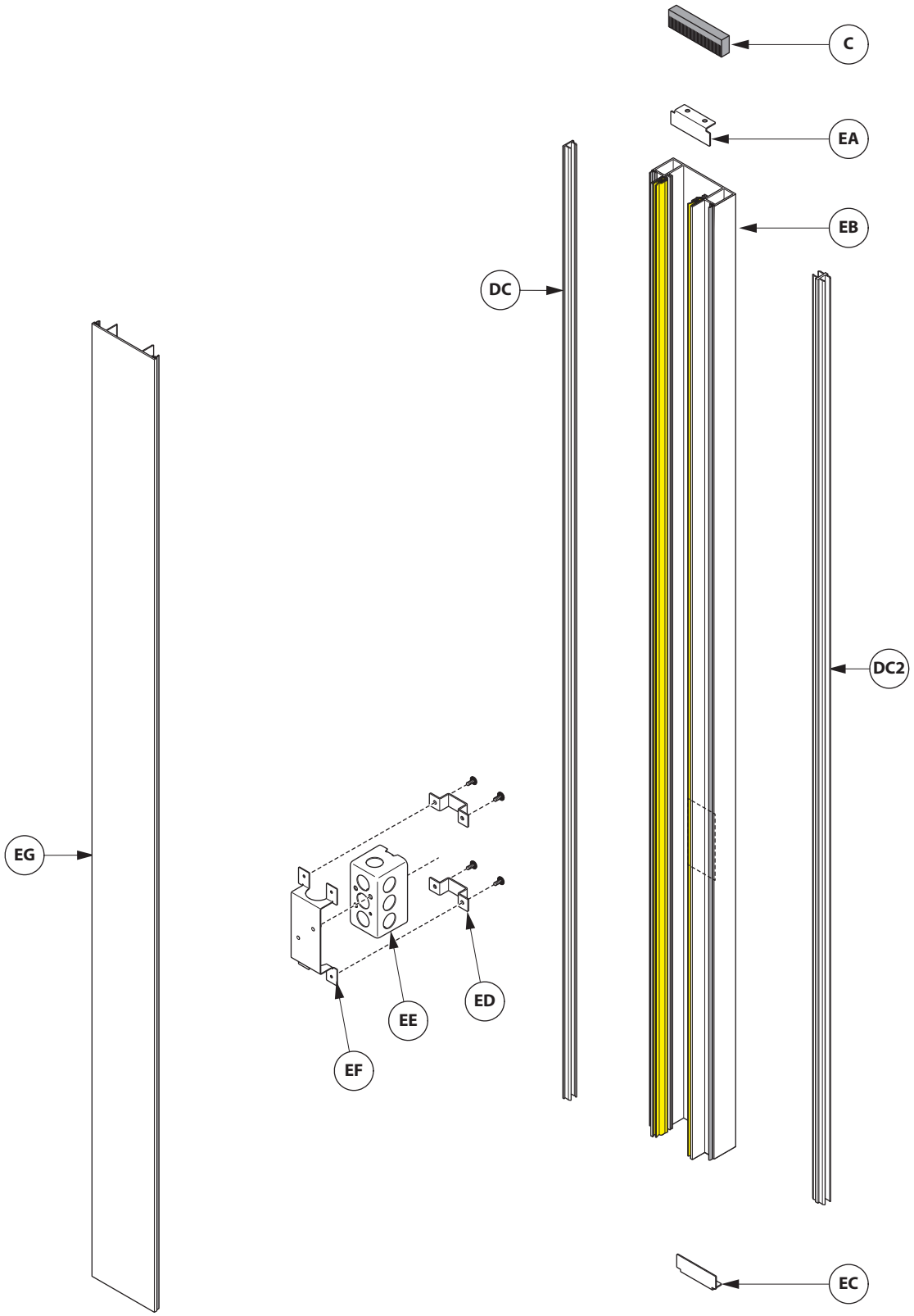


5 **Adjust variable channel (KE) and secure. Refer to plan layout for proper angle.**



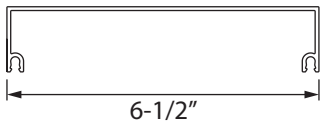
Inline Post

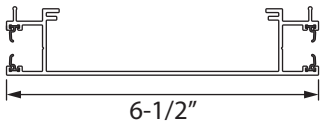
5.1 COMPONENTS

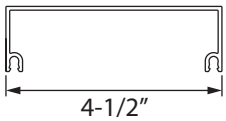


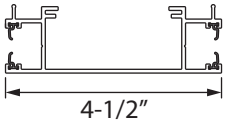
Inline Post

5.1 COMPONENTS



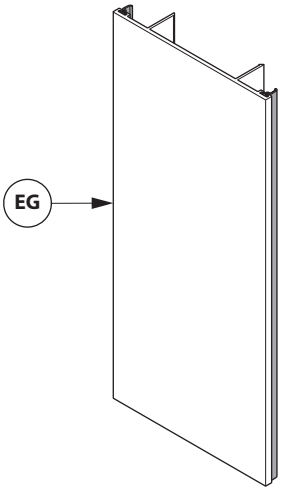




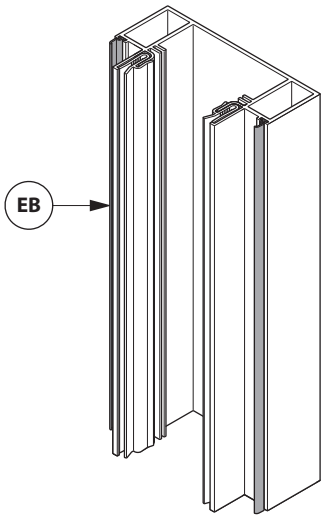




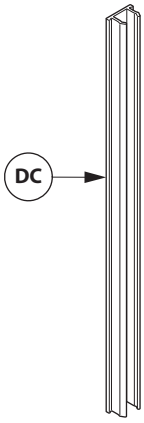




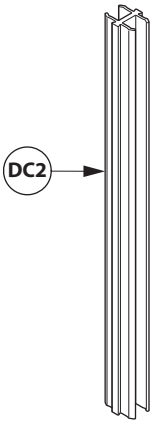
INLINE POST COVER



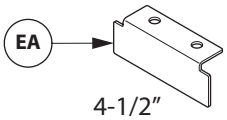
INLINE POST

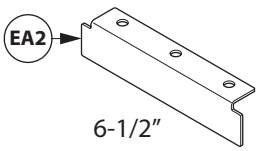


GLASS CHANNEL CAP

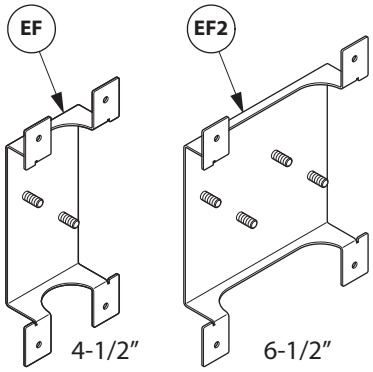


INLINE CONNECTOR

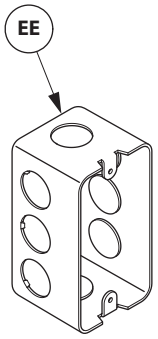




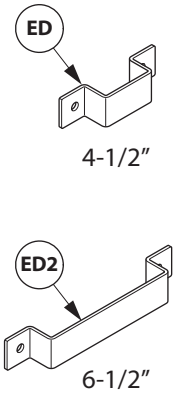
INLINE POST L-BRACKET



4.5″ INLINE POST
ELECTRICAL BRACKET

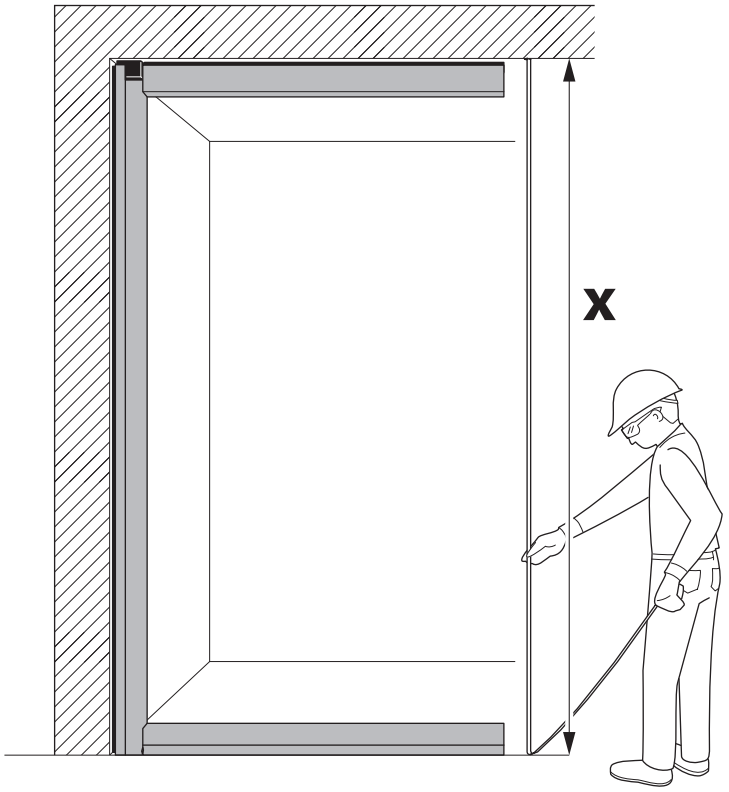


ELECTRICAL J-BOX

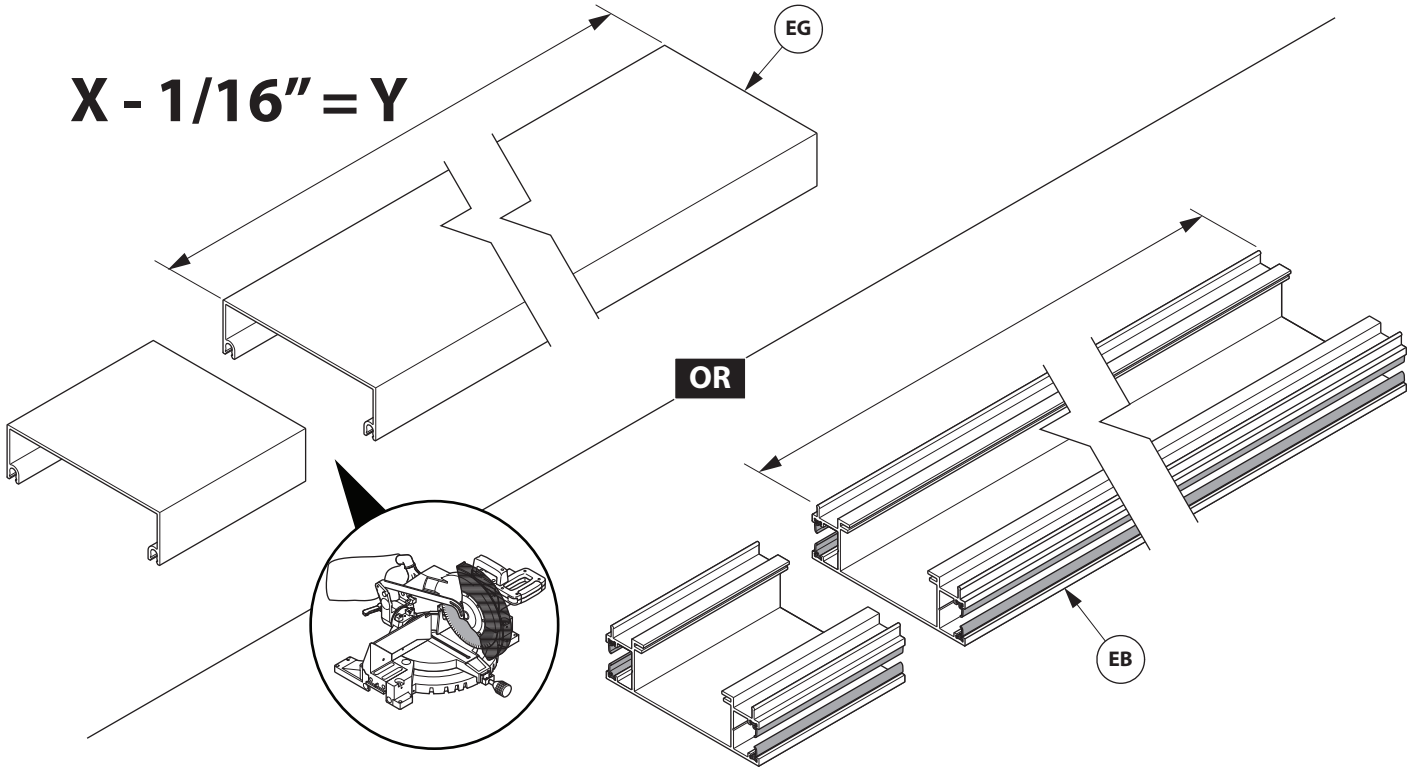


CLAMP BRACKET

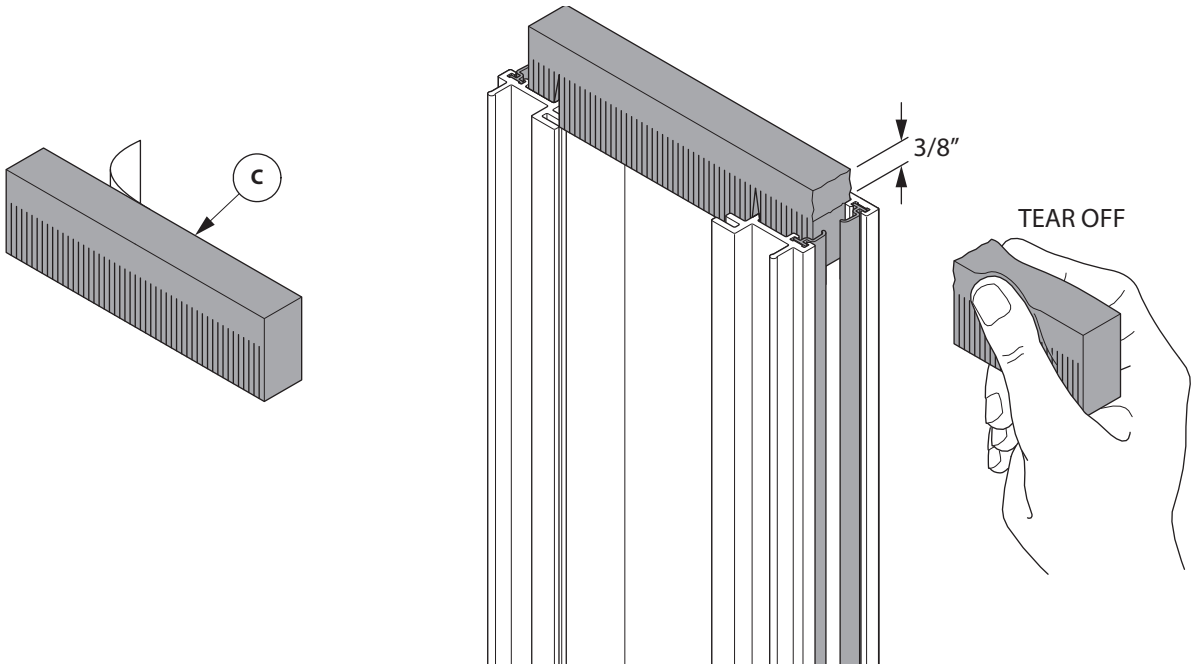
1 **Measure height from floor to ceiling at post location.**



2 **Cut post and cover rails 1/16" shorter than measurement.**

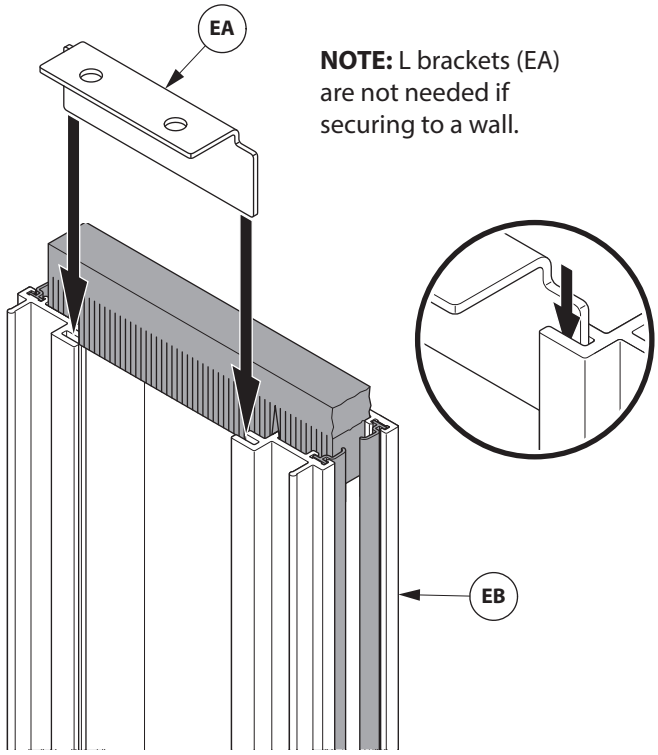


3 Insert and adhere acoustic foam block (C) into top end of post rail (EB) so full width of post is covered. Tear off excess foam (C).



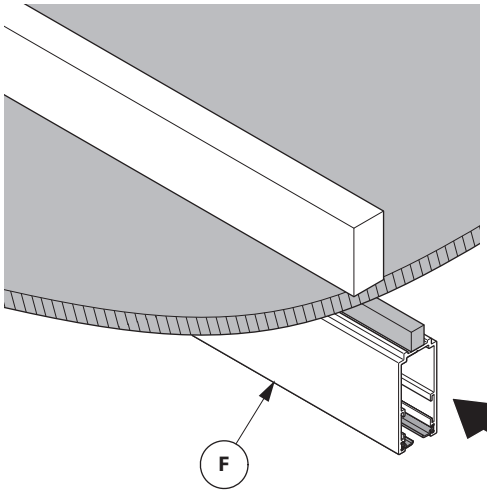
4 Slide the L brackets (EA) into the center ribs at the top and bottom ends of the post rail (EB) oriented towards the open side as shown.

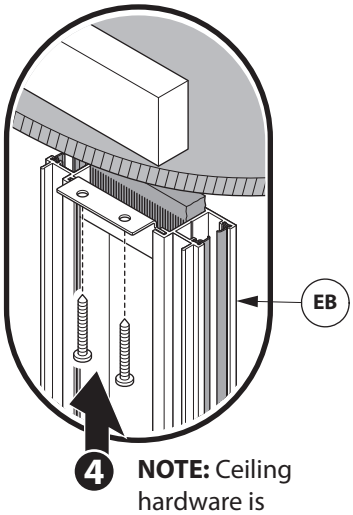
Tip: Use tape to hold the brackets in place near the ends of the rail.



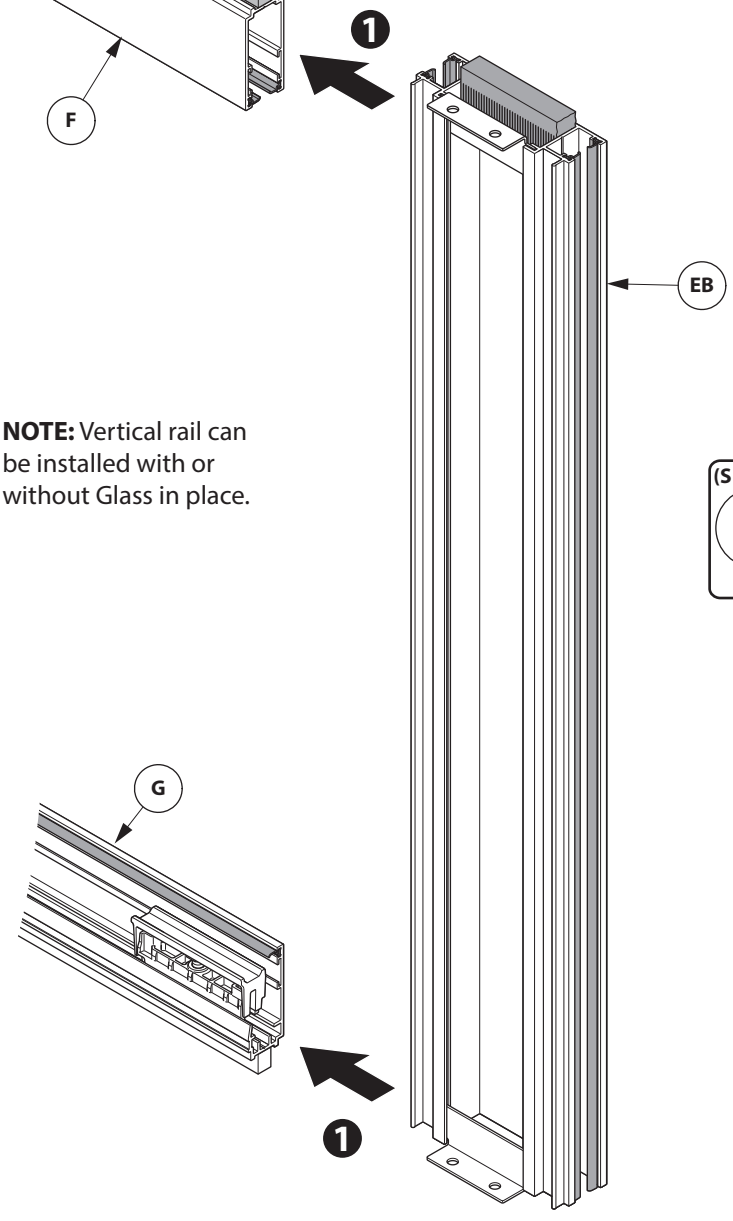
NOTE: L brackets (EA) are not needed if securing to a wall.

5 **Place post rail (EB) in place tight against adjacent framing, compressing top foam (C) against ceiling. Attach L brackets (EA) to floor and ceiling with screws (not provided).**

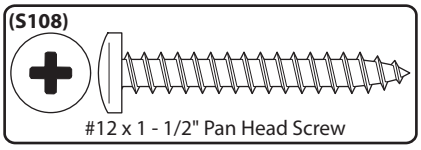




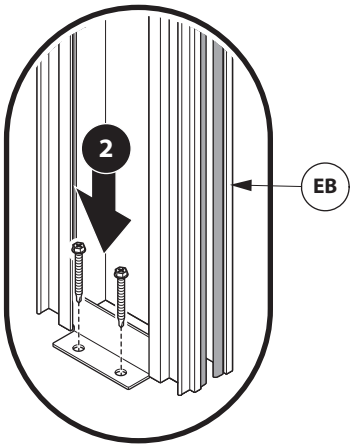
NOTE: Ceiling hardware is supplied by the installer.



NOTE: Vertical rail can be installed with or without Glass in place.

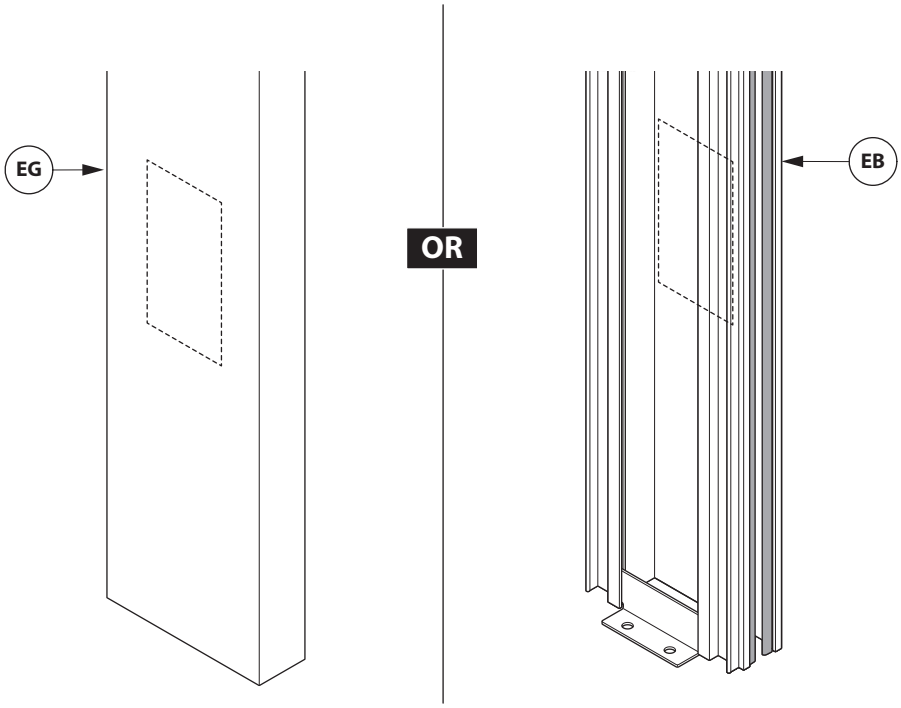


NOTE: When attaching jamb to ceiling use a minumum #12 x 1-1/2" screws.



6 Locate and mark the electrical box location on the post cover (EG) or rail (EB) and cut out hole.

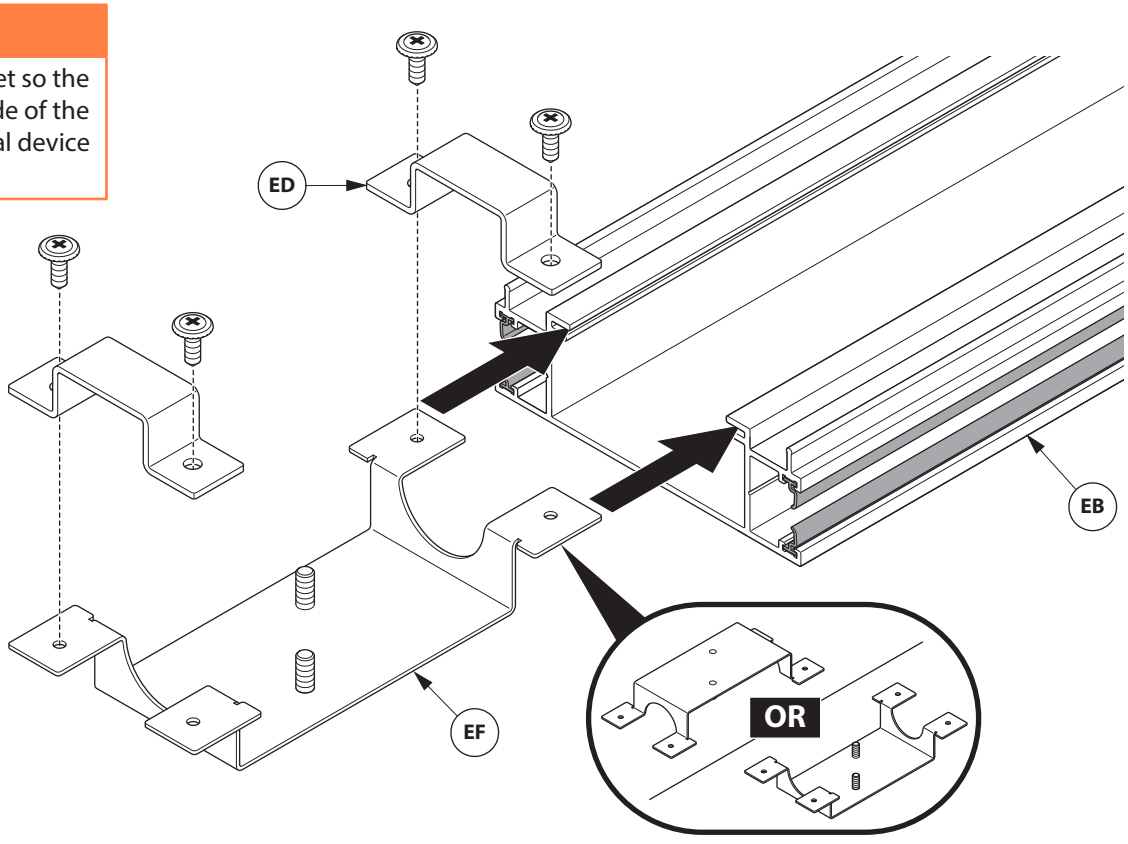
NOTE: The hole can be cut into either channel.



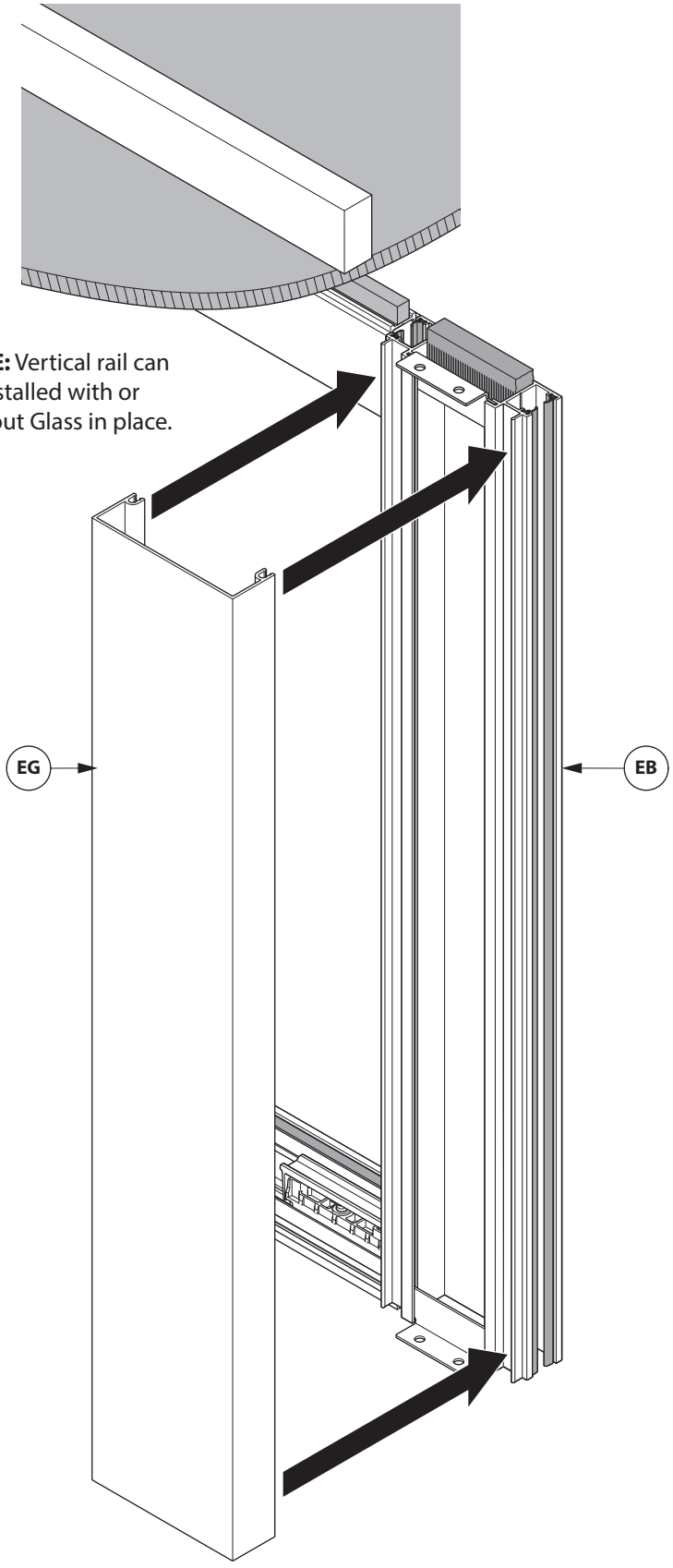
7 If electrical is to be installed in the post rail (EB), prior to installing the L brackets (EA), slide the electrical bracket (EF) into the center ribs of the post rail (EB).
Important: Orient the bracket (EF) so the studs face the side of the post the electrical device will be on.

Important

Orient the bracket so the studs face the side of the post the electrical device will be on.



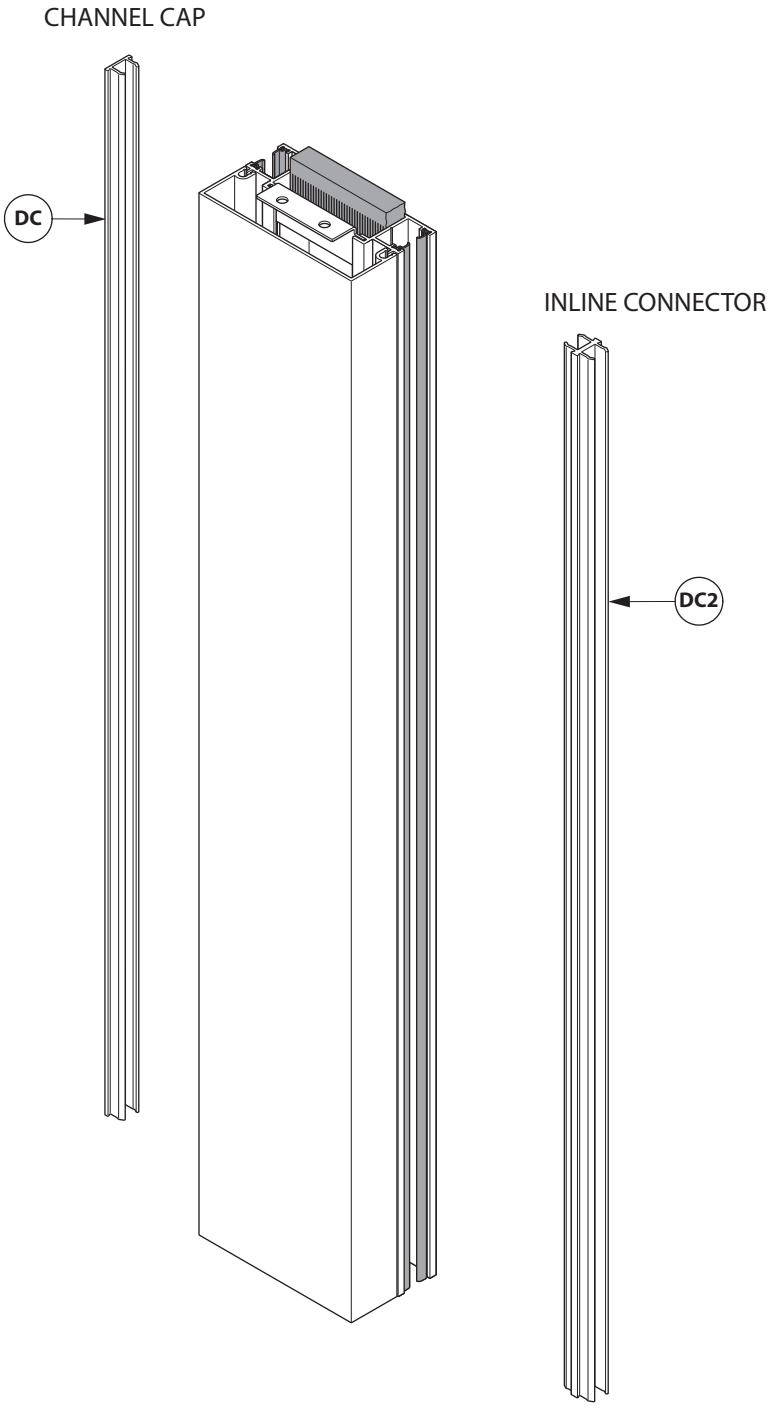
8 **Install cover (EG) by aligning leg features to post rail (EB) and snapping the components together. Cover can be taken on and off as needed for glass or electrical installation.**



9

For unused glass channels, press in a channel cap (DC) to cover the channel.

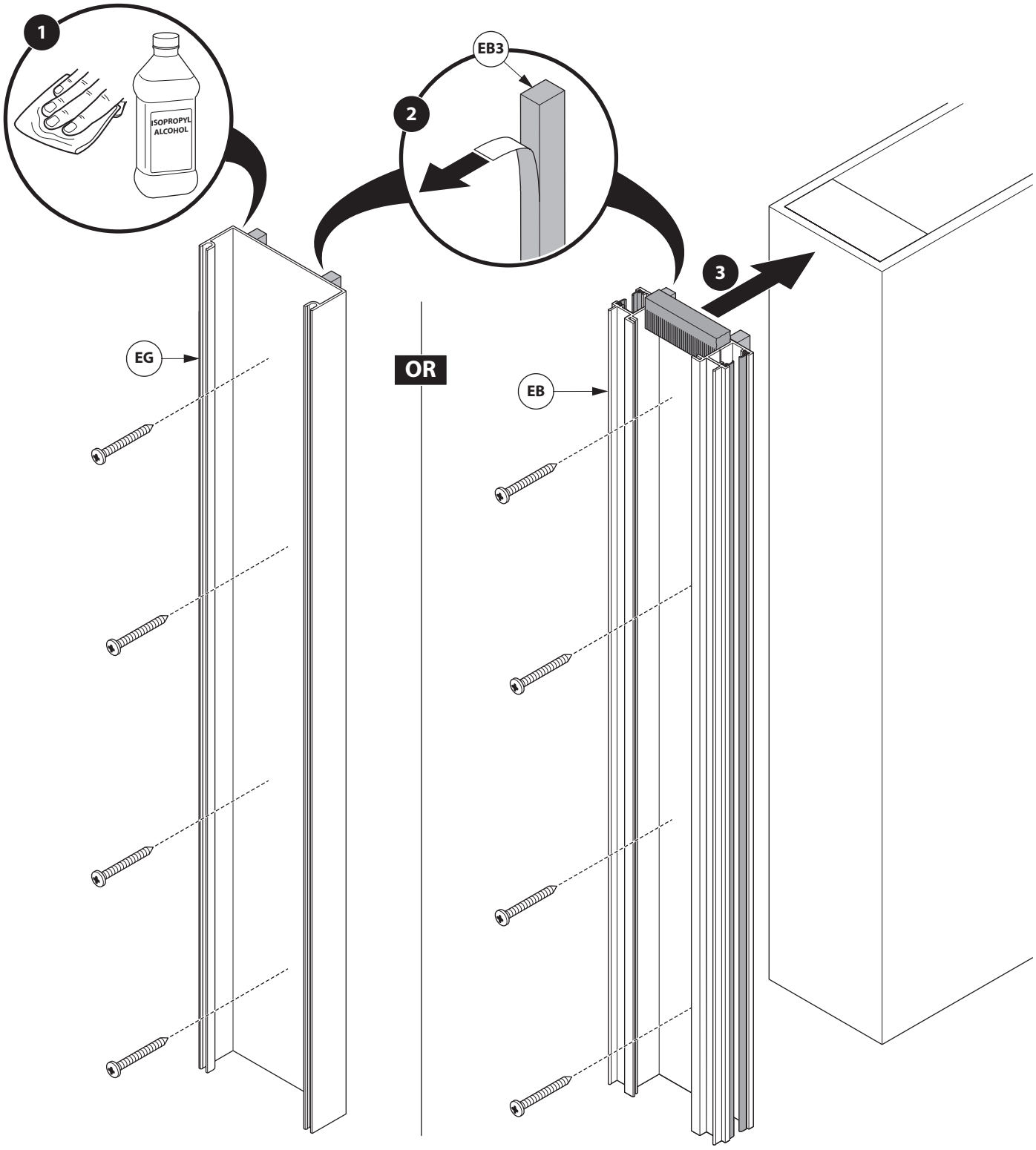
For post to door jamb applications, press an inline connector (DC2) in the glass channel to allow it to connect to the glass channel of an adjacent door jamb.



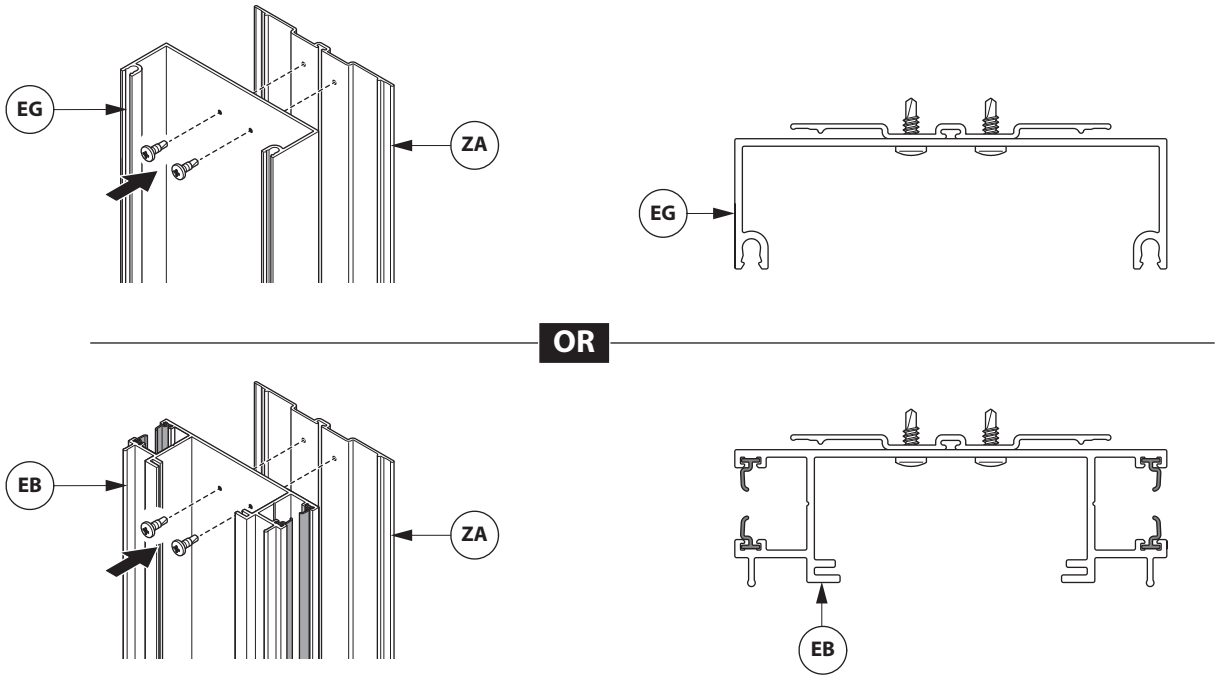
10 **GWB (gypsum wall board) or other hard wall applications:**

Apply two foam strips (EB3) from the transition starter kit vertically to the full height of the closed face side of the post as shown below with the foam centered on the face approximately 3" apart.

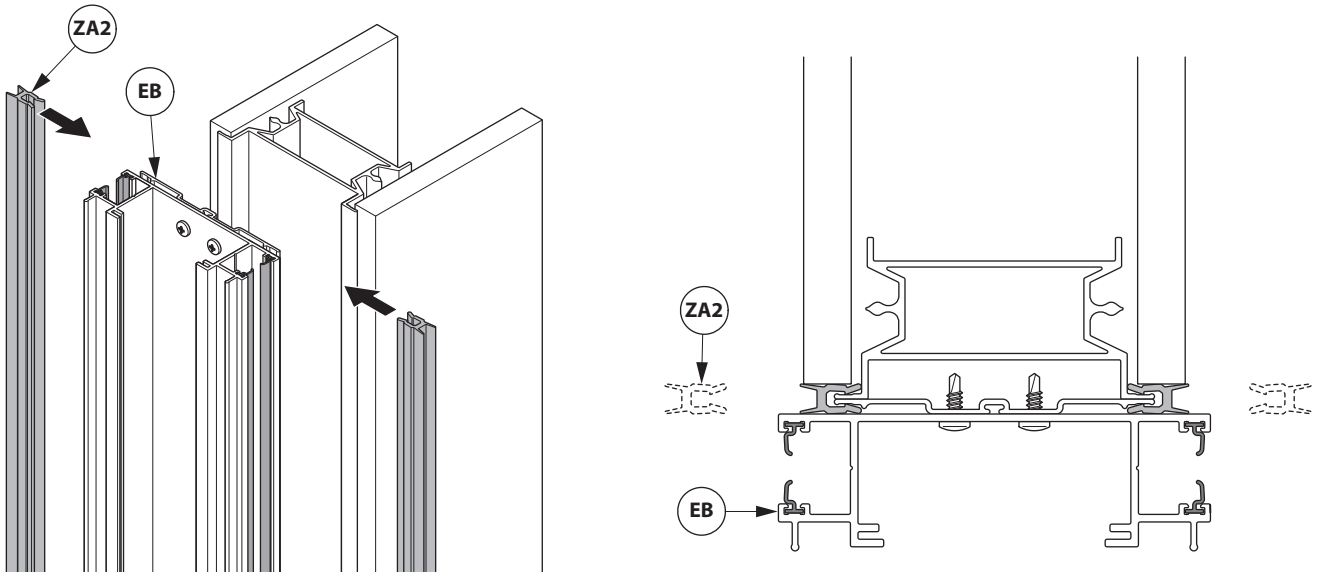
For wall attachment, drill screw clearance holes every 16-24" up the height in the approximate center of the closed face of the post. Locate and place the post against the hardwall, shim as needed for vertical leveling, and screw to the wall (screws not provided).



11 **Cut post to length and apply top foam per steps 7.2-1 and 7.2-2. Place post rail in place against Enclose wall panel compressing top foam against ceiling. Attach post to Enclose off mod rail using 1/2" self-drilling screws every 16-24" up the height of the post.**



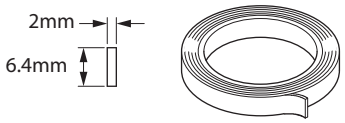
12 **Cut Enclose off mod starter rail to height of adjacent Enclose wall panel vertical rail. Attach starter (ZA) to Enclose wall panel using two Enclose reveal connectors (ZA2).**

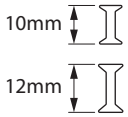


Walls - Glass

6.1 COMPONENTS

Glazing Connector,
Tape 2mm
119-1453







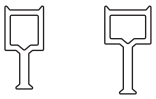
Glazing Connector,
Inline, 10mm
121-2846

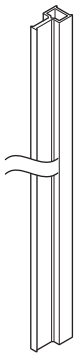
Glazing Connector,
Inline, 12mm
121-0589



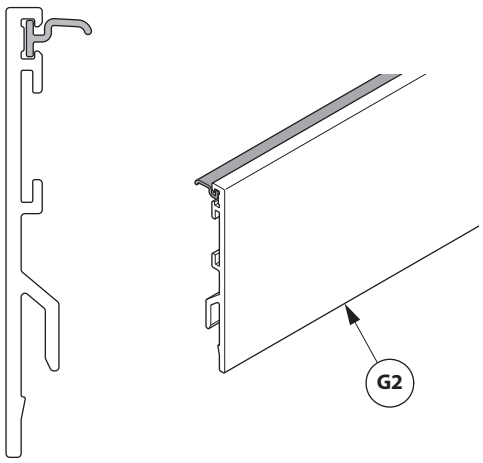


Glazing Connector,
2 Way 90
120-1653

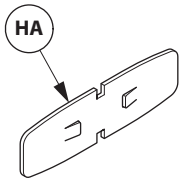




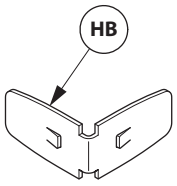
Glazing Connector,
3 Way 90
AW101400 (10mm)
AW114100 (12mm)



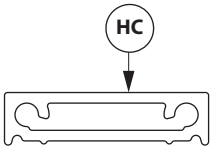
Bottom Rail Clad



Inline Connector



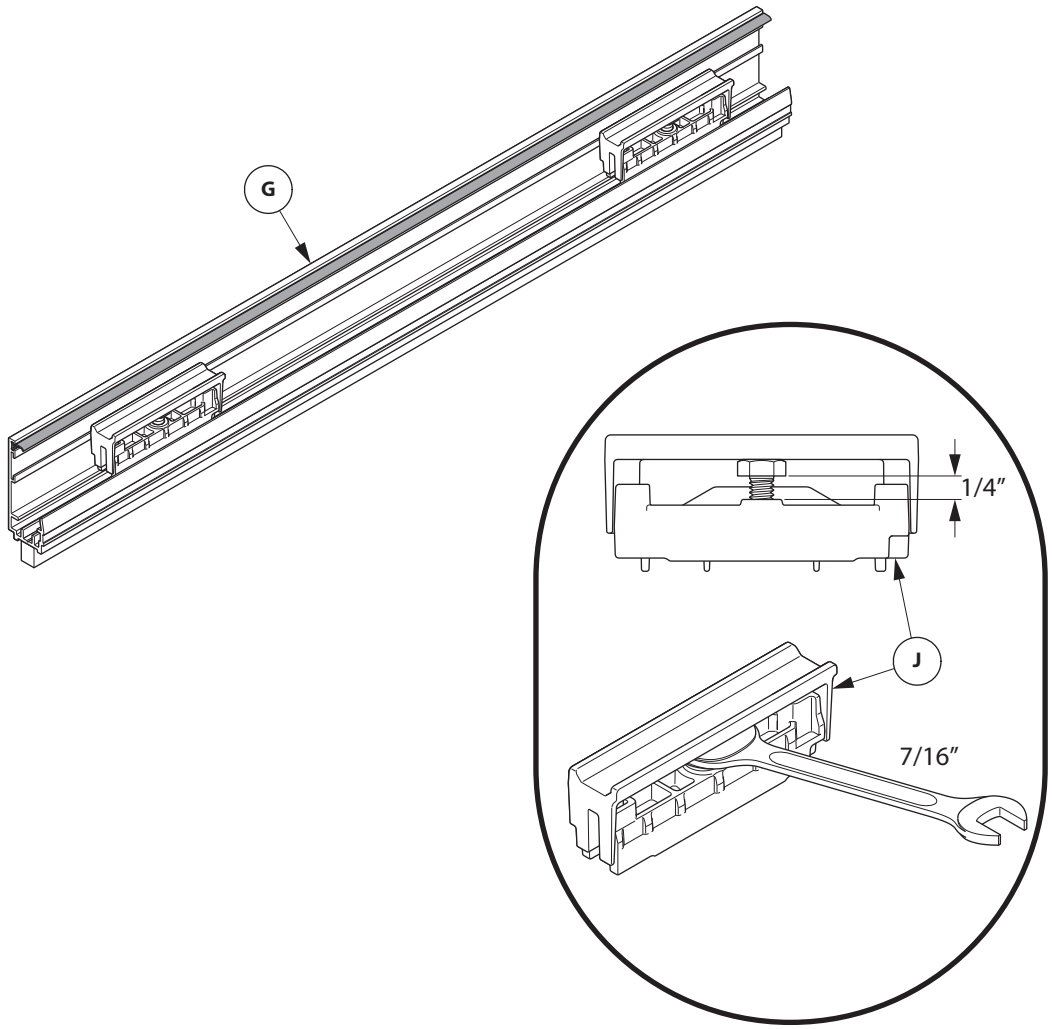
Corner Connector



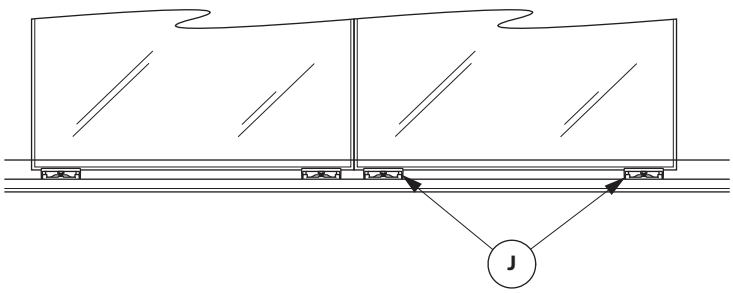
Glazing Strip

Glass Levelers

1 **Adjust bolt to set height (1/4") as shown. Insert levelers (J) so the side with bolt access is facing the open side of the bottom rails (G). Locate levelers (J) on each side of glass pane locations.**

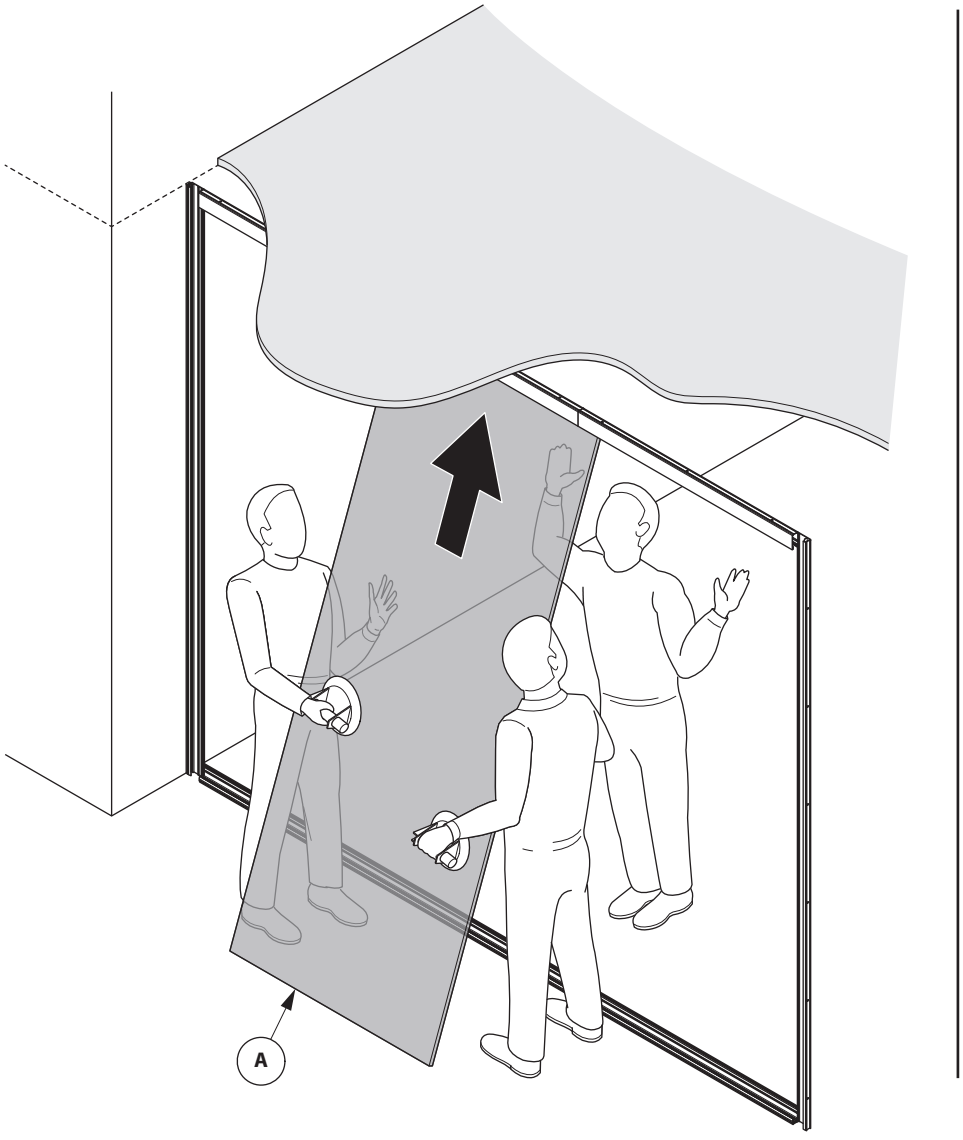


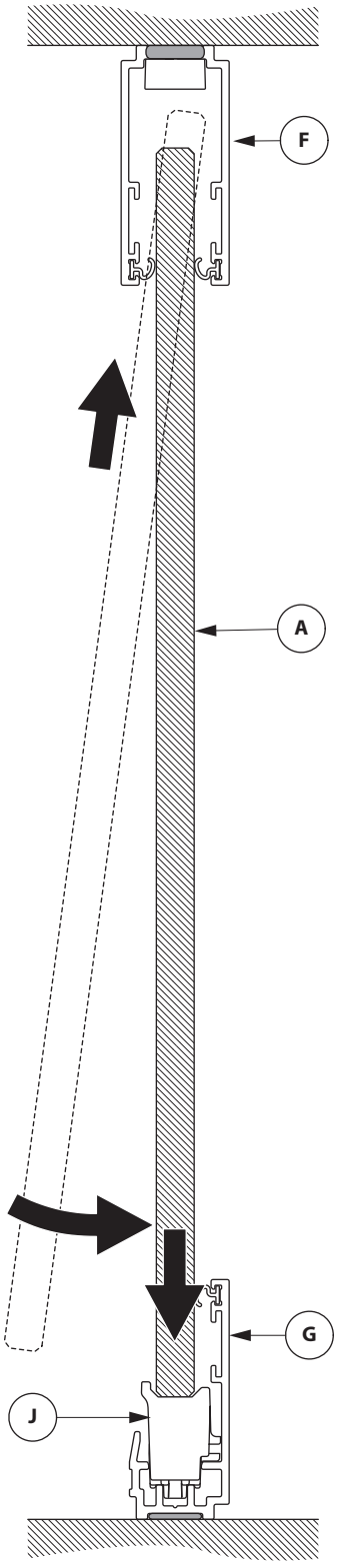
2 **Ensure glass levelers are in place and correctly positioned below the glass corners.**



Glass Installation

3 **Install glass pane (A) by inserting top edge into top rail (F) first, then set the bottom edge onto the glass levelers (J).**

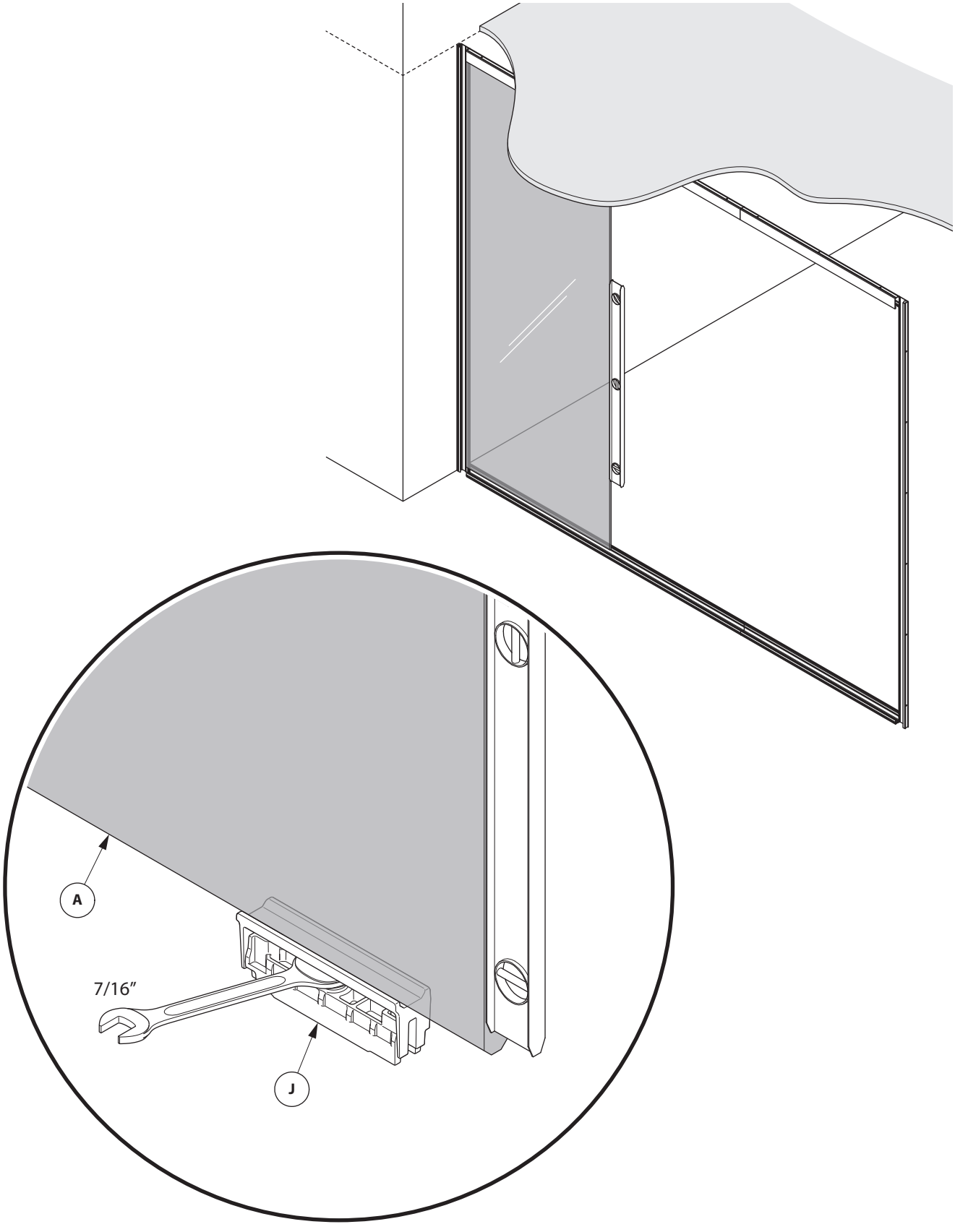




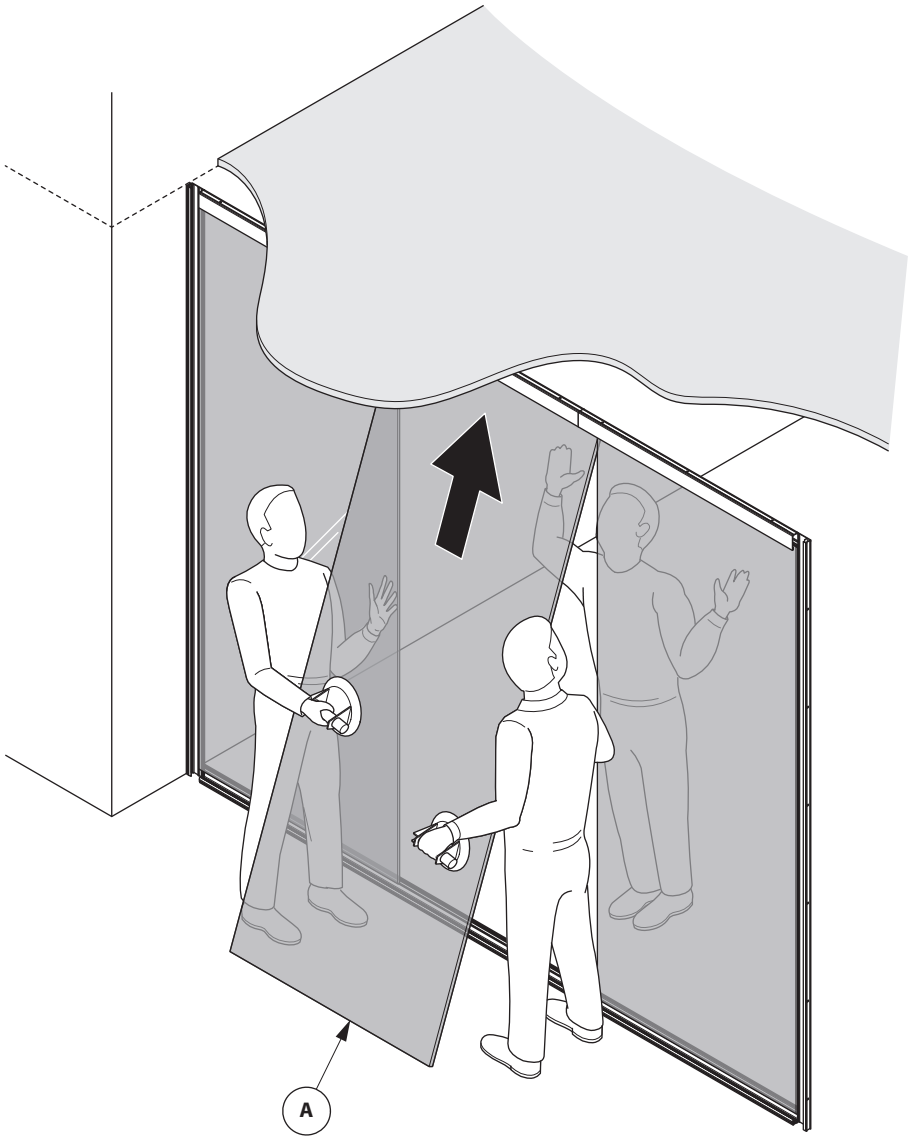
SECTION VEW - ASSEMBLY

Glass leveling

4 **Use a 7/16" wrench to adjust the leveler bolts (J) to level the glass pane (A).**

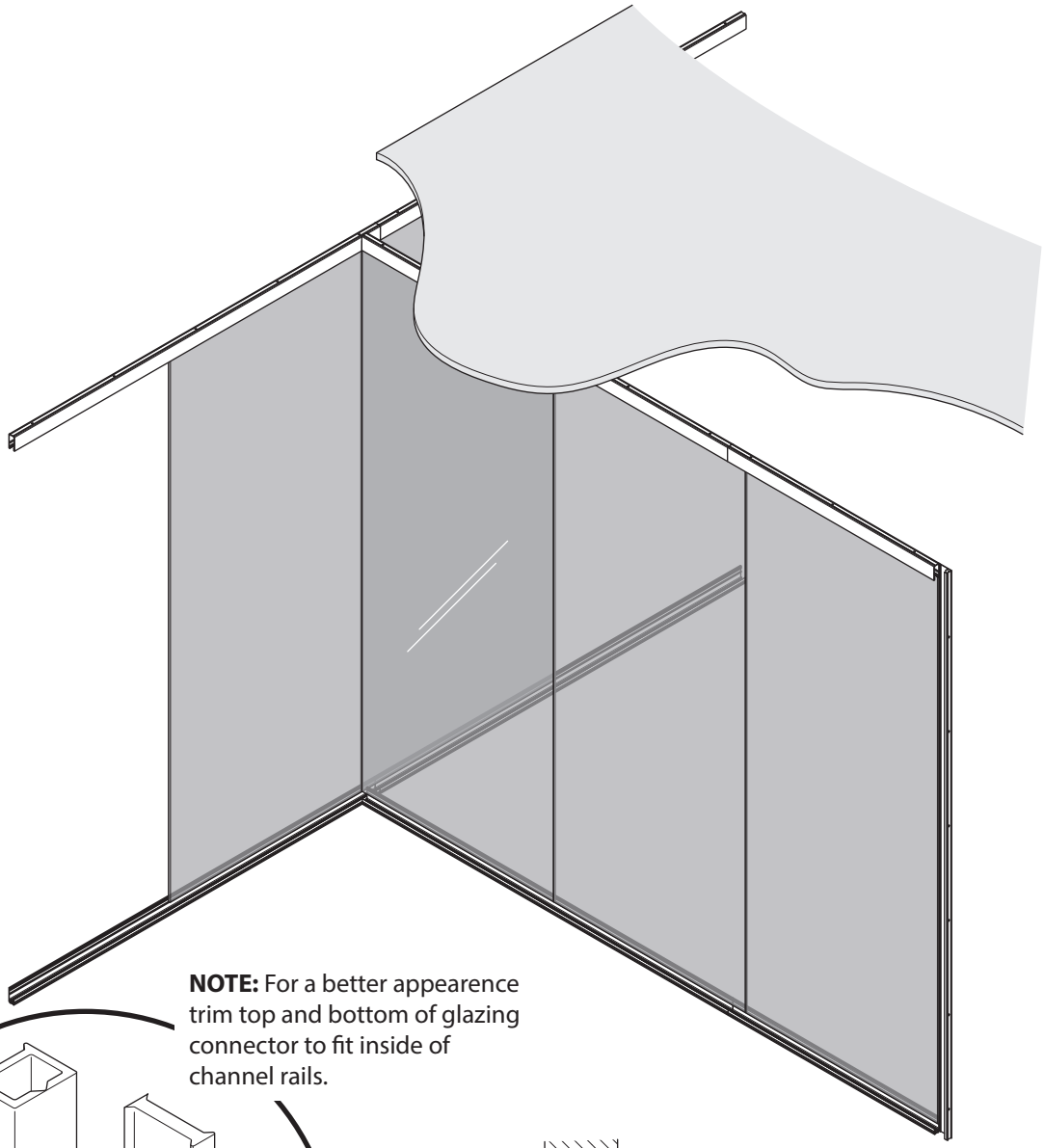


5 **Install final glass pane (A) and repeat step 4.**

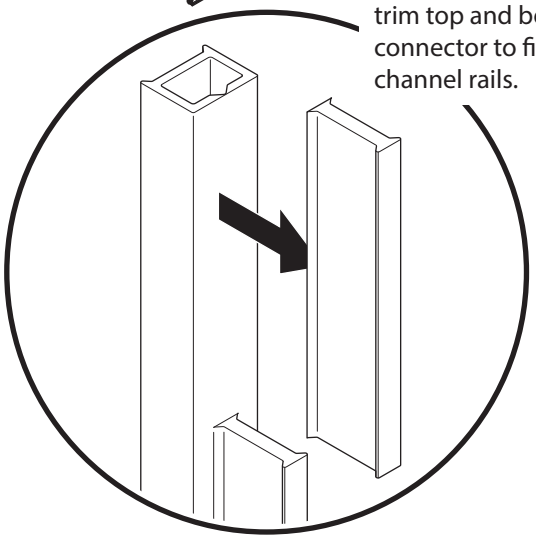


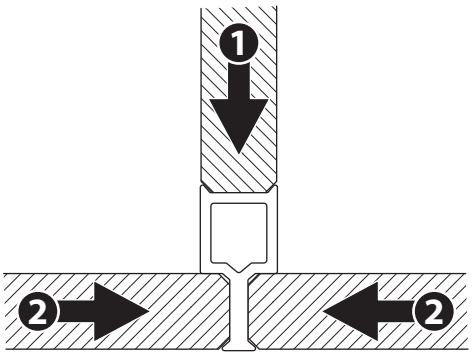
3-Way Glazing Connector

6 **For 3-Way 90 glazing connectors, cut the connector height to fit between the top and bottom glass horizontal rails. Assemble the connector first to the edge of the perpendicular glass pane so the bottom of the connector is even with the top of the adjacent bottom horizontal rail. Then assemble the two inline glass panes to the glazing connector.**



NOTE: For a better appearence trim top and bottom of glazing connector to fit inside of channel rails.





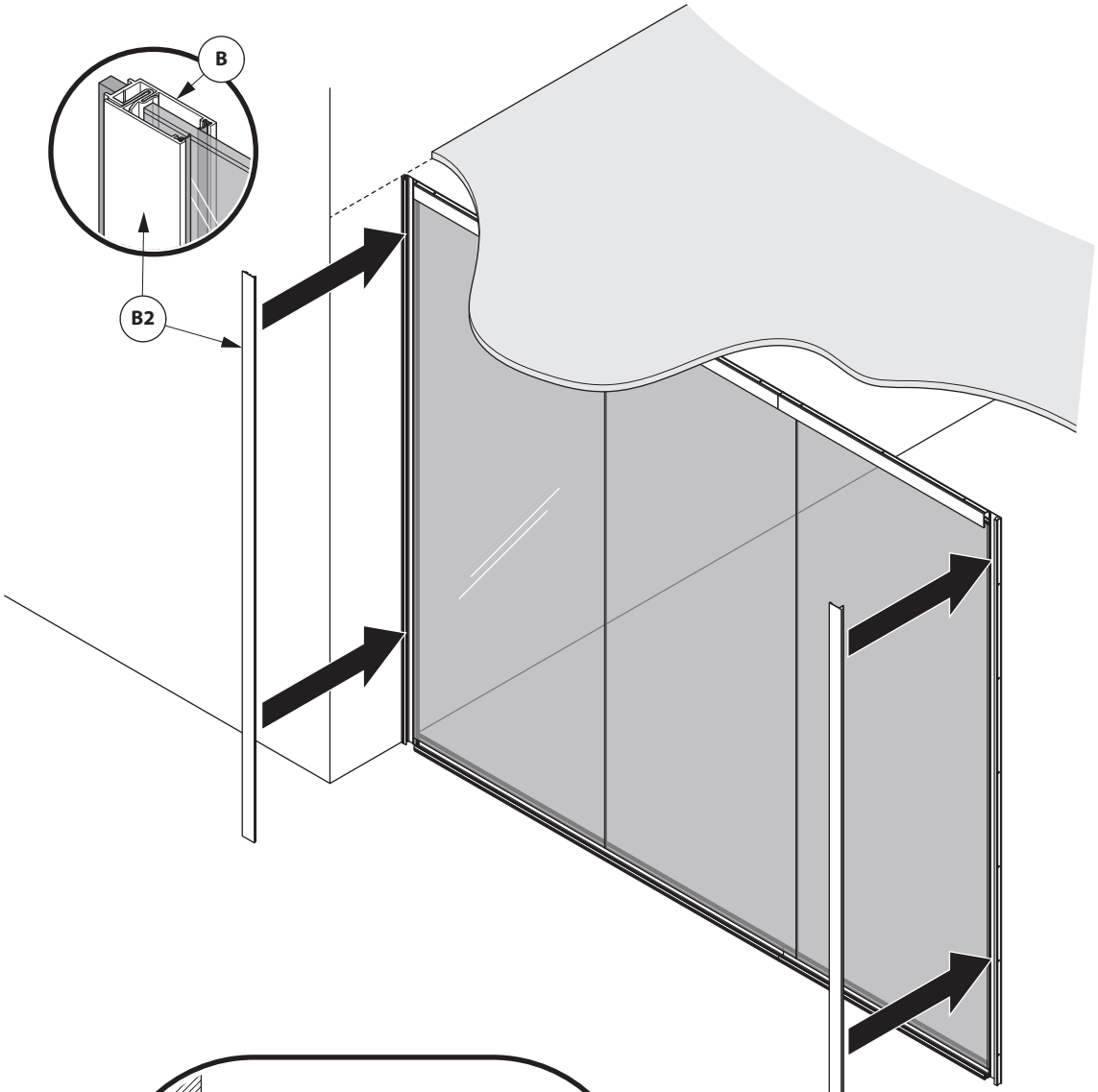
TOP VIEW

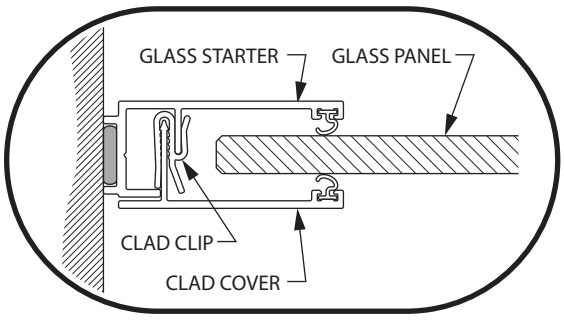
NOTE: Clean edge of glass with isopropyl alcohol.



Vertical Clad Installation

7 **Vertical Starter Clad: Cut clad (B2) to same length as vertical starter rail (B). Install clad by seating the clad leg against the retention feature and firmly pressing or lightly tapping with a rubber mallet to snap into place.**

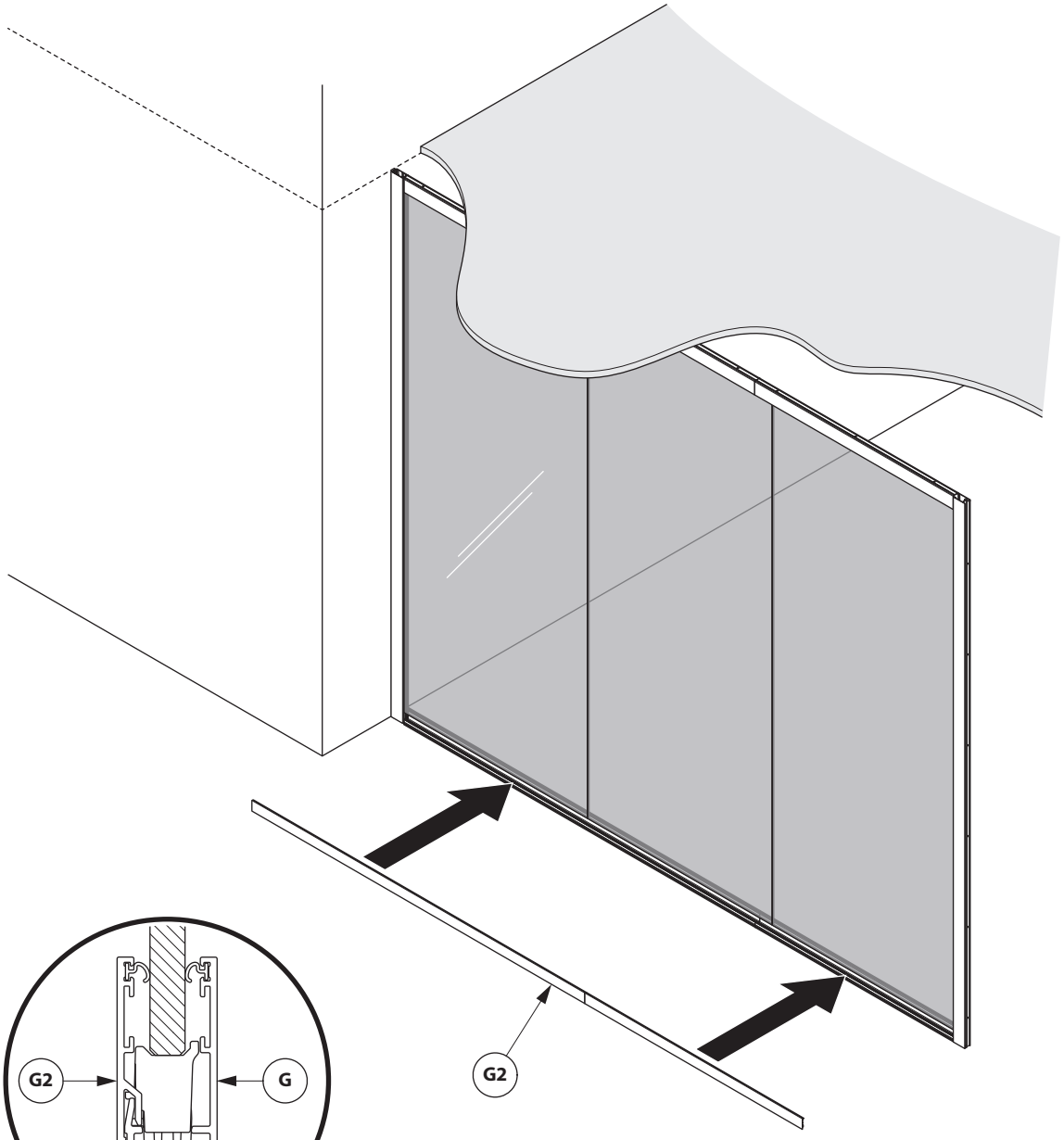




TOP VIEW

Bottom Rail Clad Installation

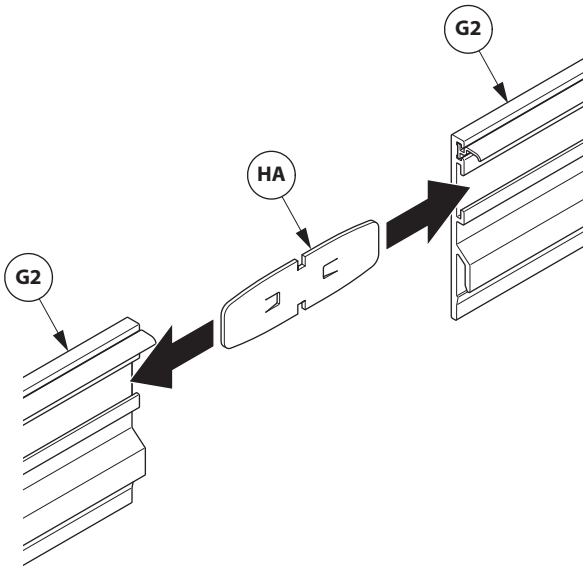
8 **Bottom Rail Clad: Cut clad (G2) to length to fit tightly between adjacent vertical rails or to corner. Install clad by firmly pressing or lightly tapping downward with tap block and mallet to snap the clad leg onto the bottom horizontal rail retention leg.**



END VIEW

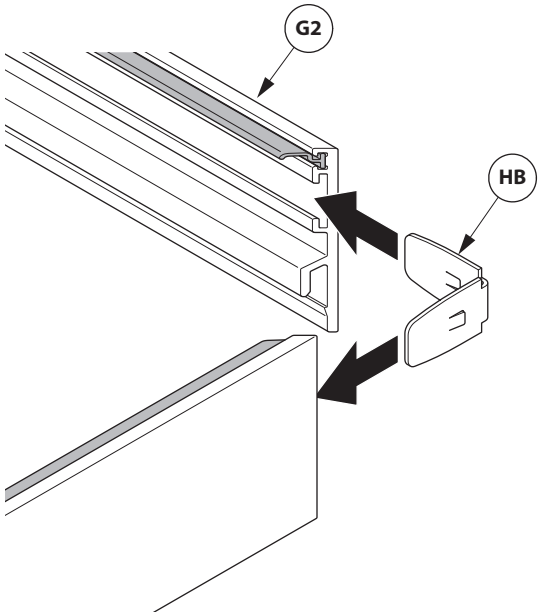
Inline Alignment Clip

9 **Assemble corner as shown.**



Corner Alignment Clip

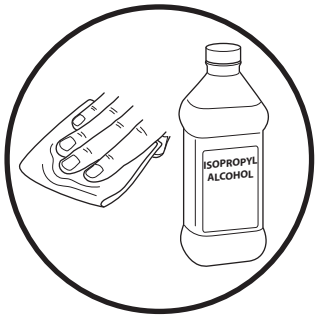
10 **Assemble corner as shown.**

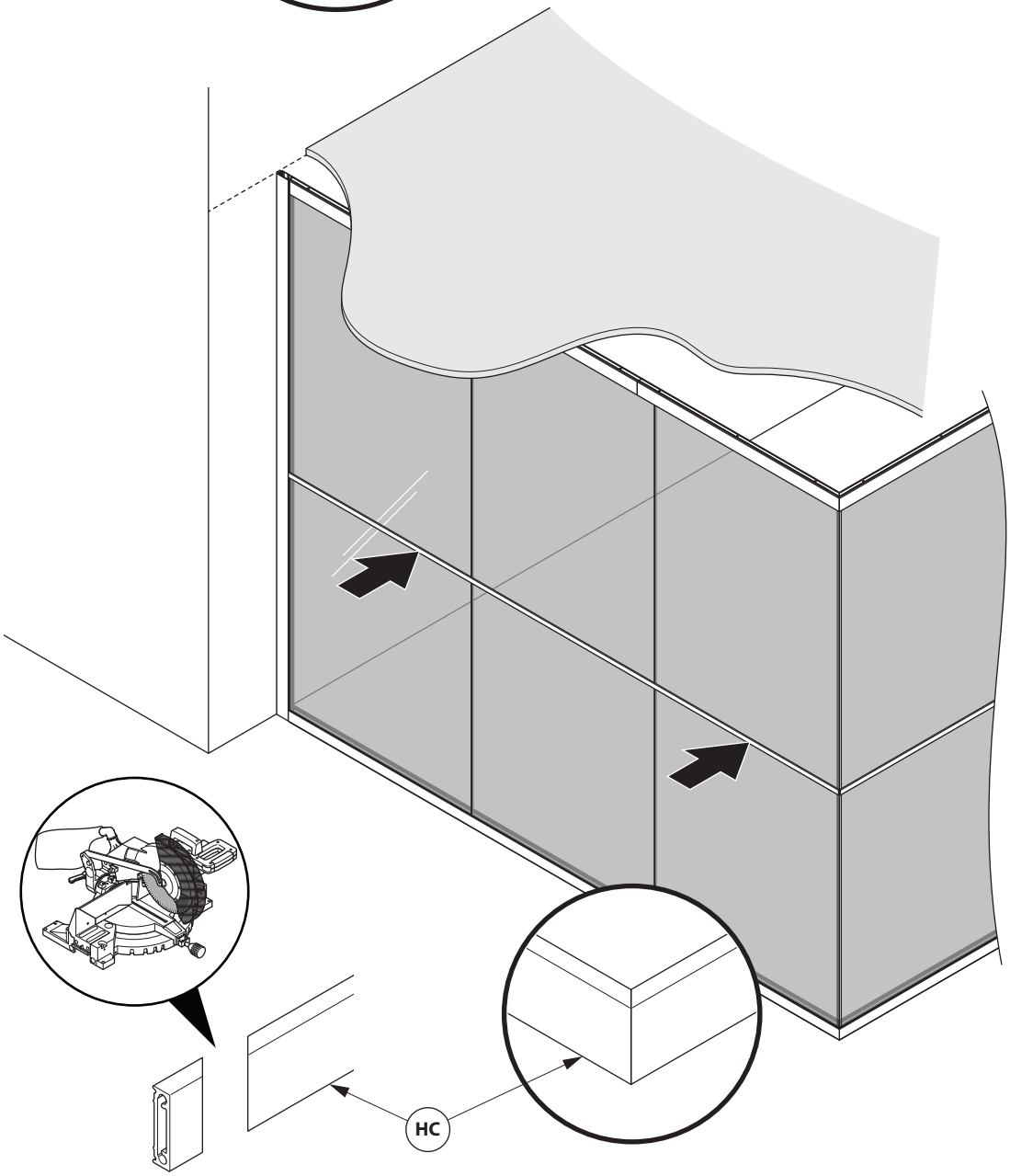


Glass Installation

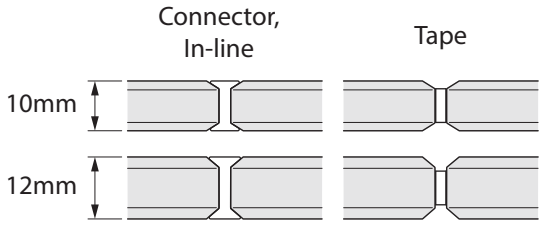
11 **Inline Horizontal/Vertical Glazing Strip: Cut rail to fit between adjacent vertical frame rails or mitered at corners if needed. Remove liner from glazing strip (HC) tape and install by setting rail in place against glass and firmly pressing to set tape. Repeat process for opposite side of glass so taped sides of glazing strips are hidden.**

NOTE: Thoroughly clean the glass with Isopropyl Alcohol before installing glazing strips.



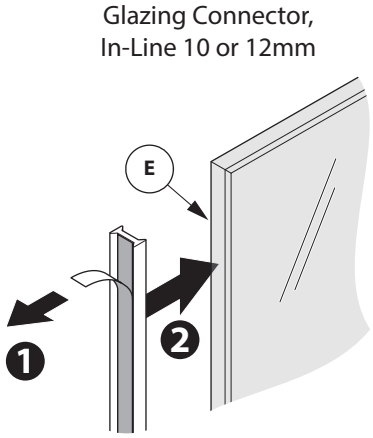


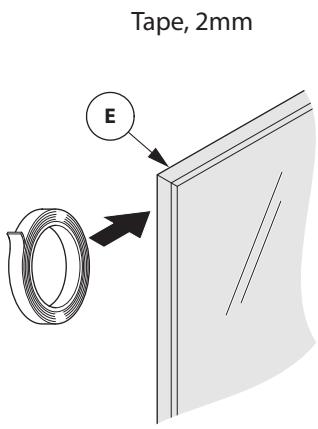
Glazing Connectors



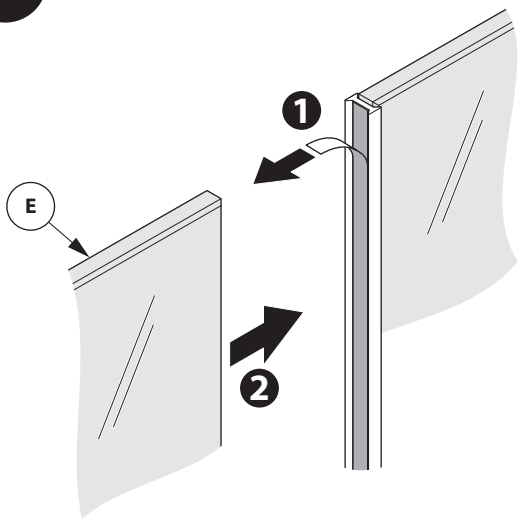
1

NOTE: Prep edge of glass with a 50/50 Isopropyl Alcohol and distilled water solution. A damp lint free cloth is pulled in one motion from top to bottom of glass edge. Once prepped the installer cannot touch the edge again. The connector is applied to the prepped edge starting at the top working downwards. The red backer of the 2 sided tape is removed as you work down the edge.



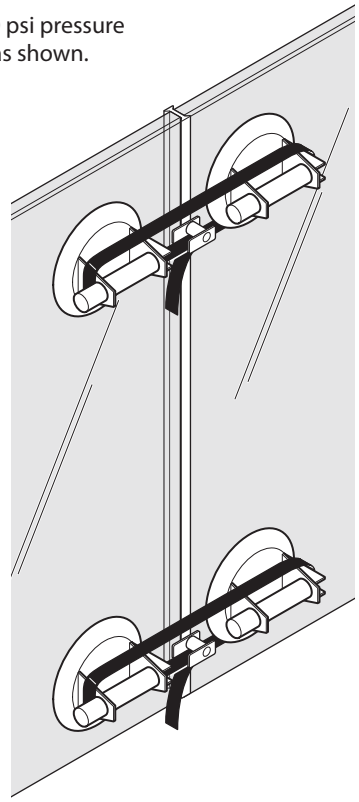


2



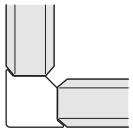
3

NOTE: Apply 20 psi pressure for 15 minutes as shown.



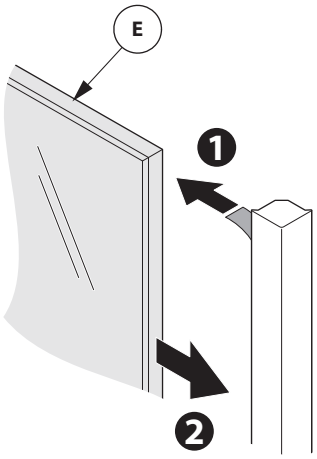
Glazing Connectors

Connector,
2 Way 90

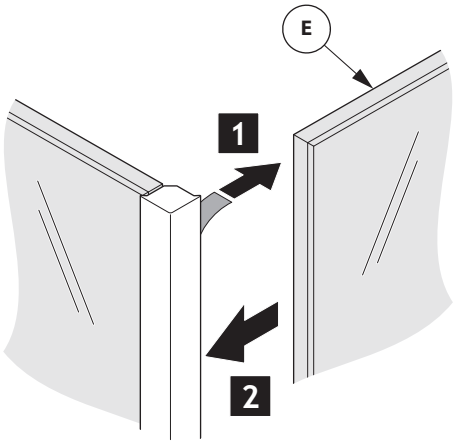


1

NOTE: Prep edge of glass with a 50/50 Isopropyl Alcohol and distilled water solution. A damp lint free cloth is pulled in one motion from top to bottom of glass edge. Once prepped the installer cannot touch the edge again. The connector is applied to the prepped edge starting at the top working downwards. The red backer of the 2 sided tape is removed as you work down the edge.

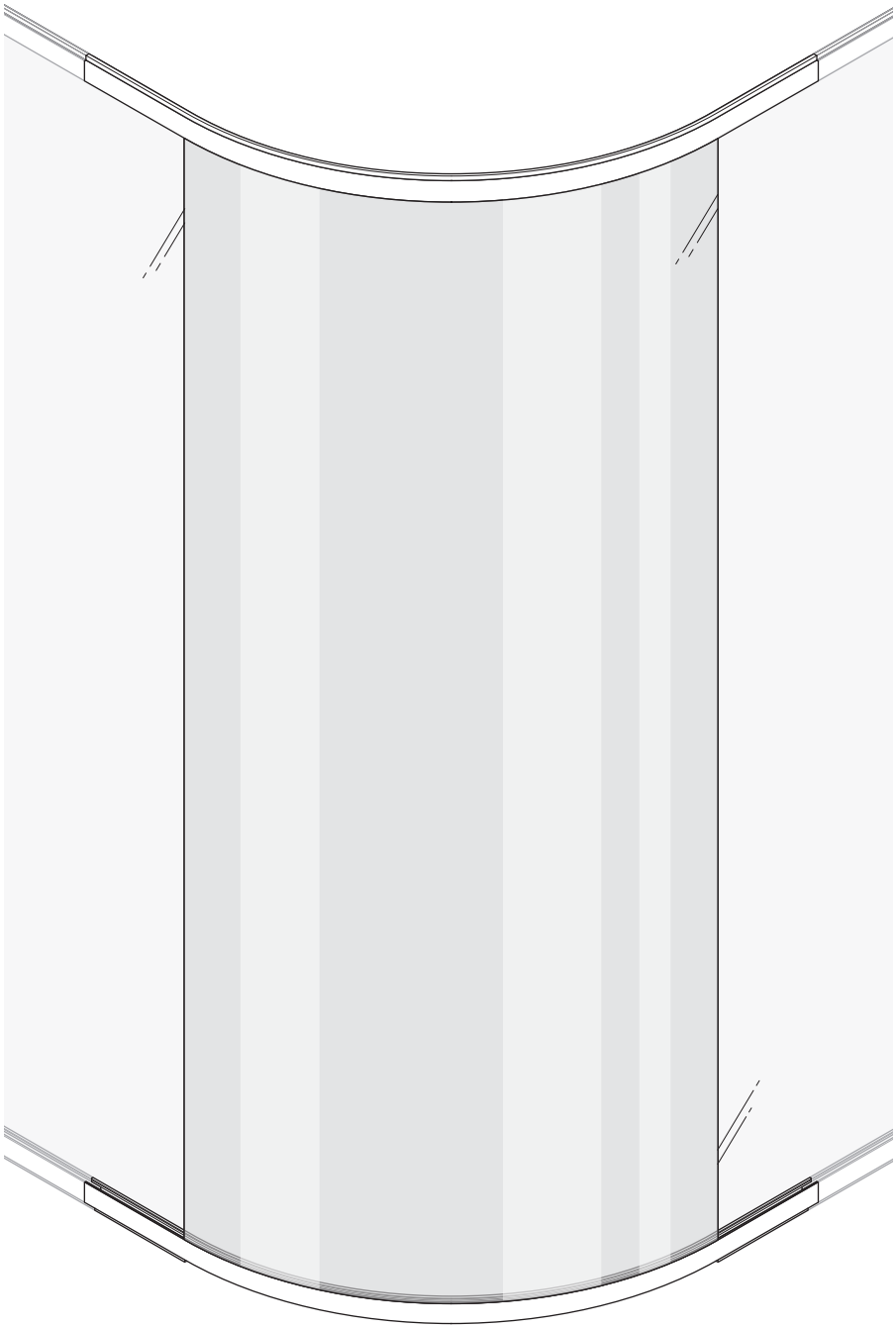


2

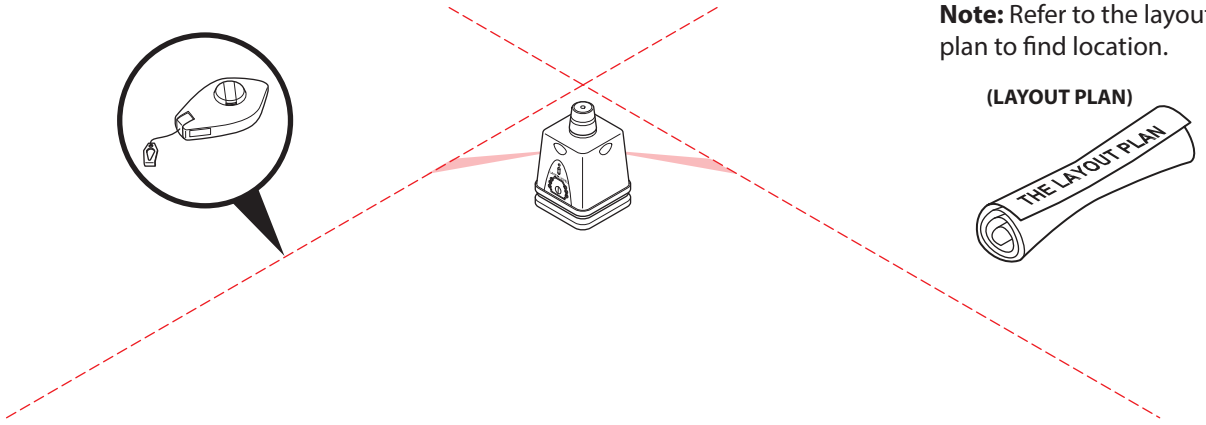


Curved Glass

7.1 COMPONENTS



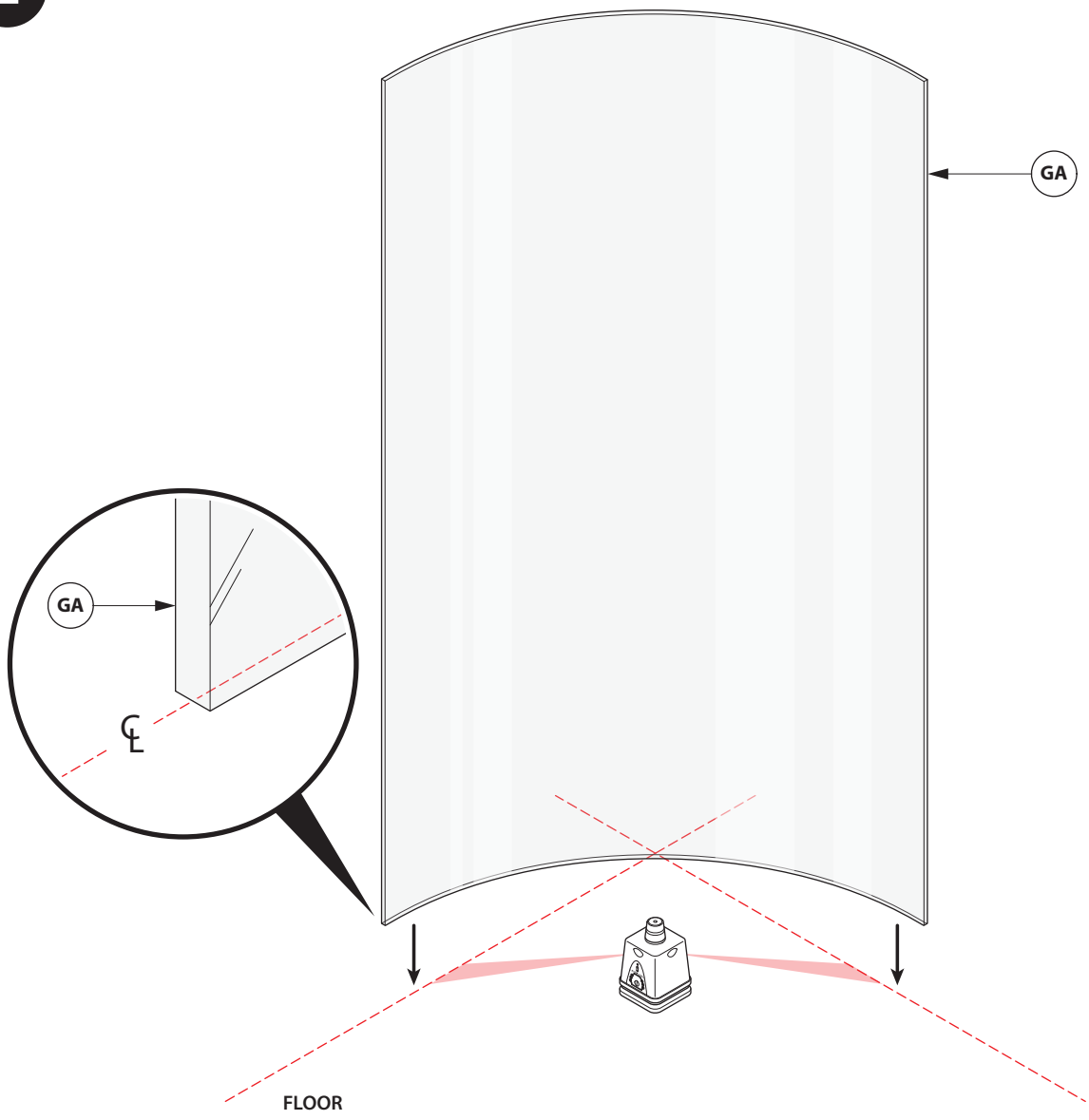
1 Refer to layout plan for location of curved glass and snap chalk lines.



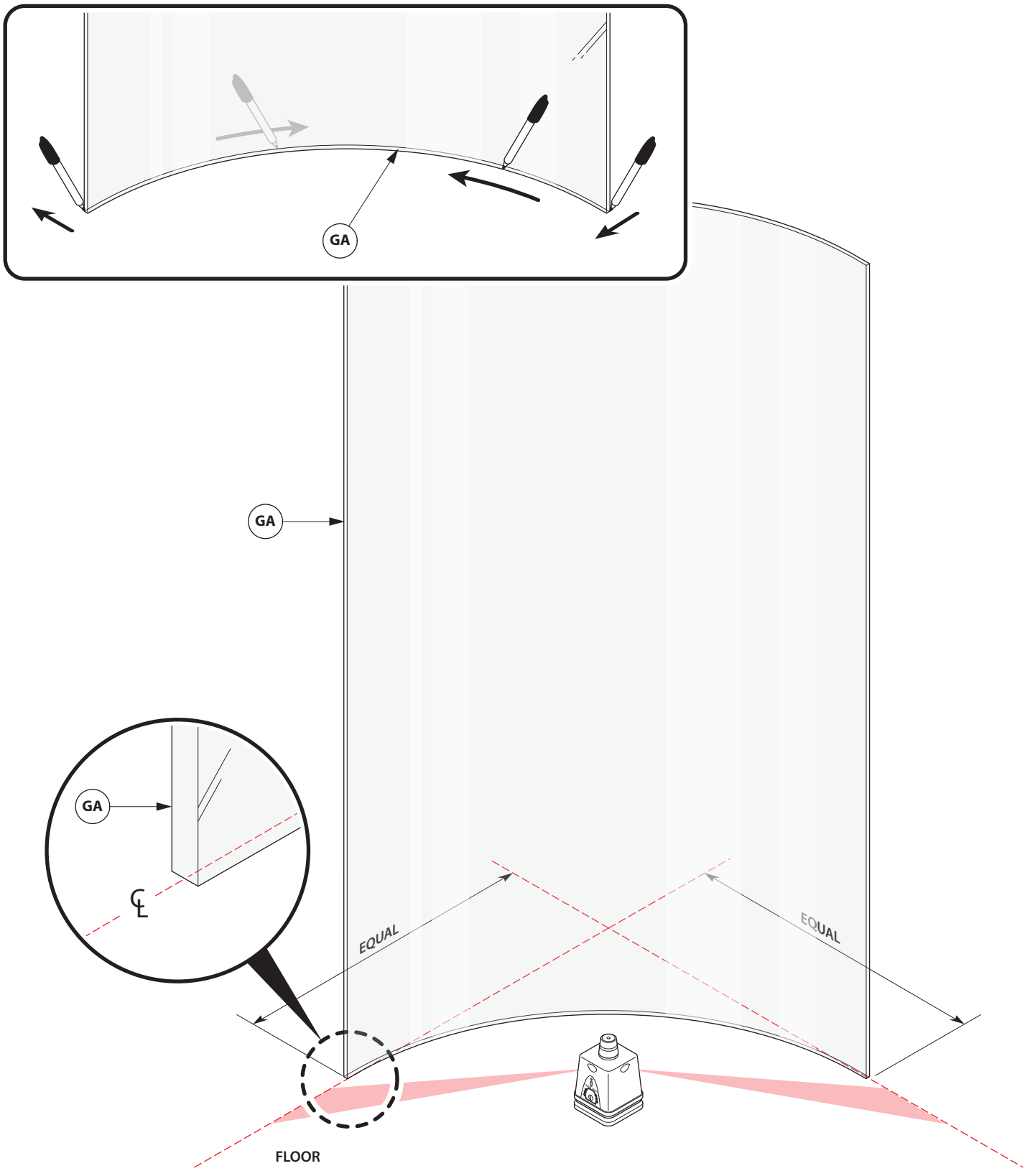
Note: Refer to the layout plan to find location.

(LAYOUT PLAN)

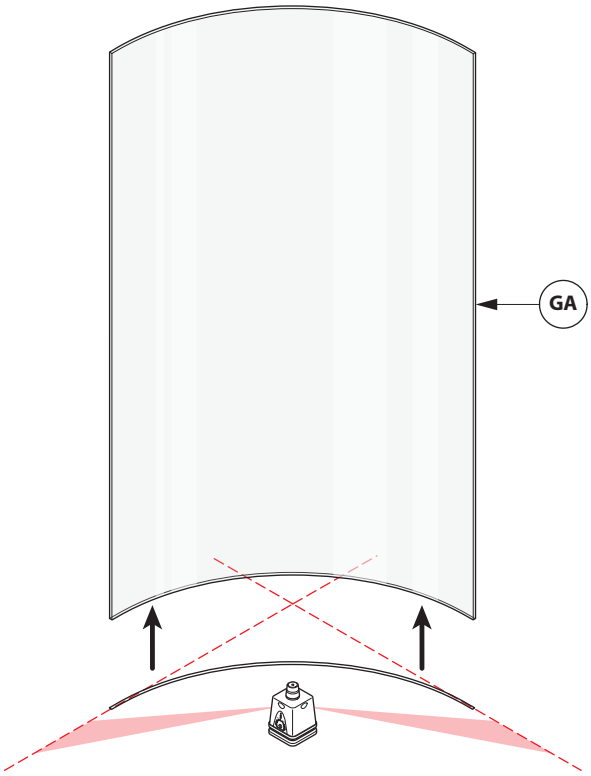
2 Postion glass (GA) as shown.



3 Trace outline on both sides of glass.

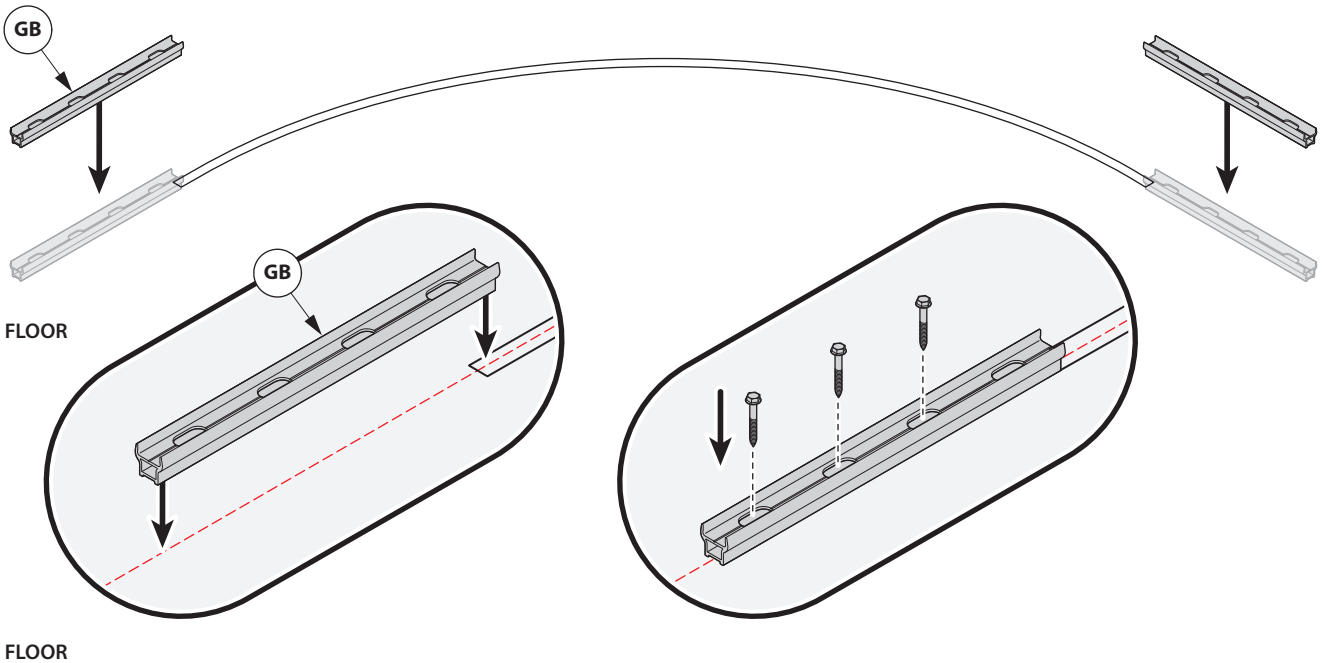


4 Carefully remove glass (GA).

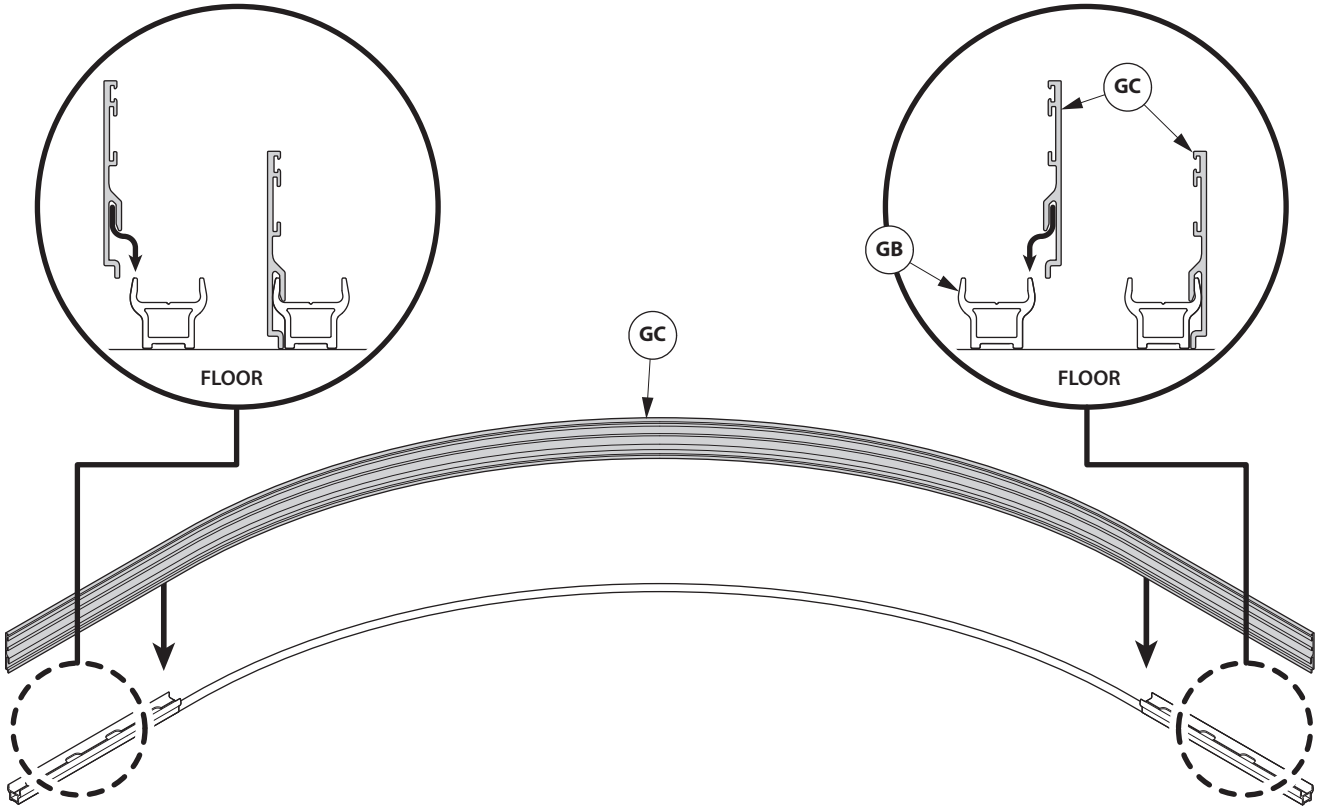


5 Install track(s) (GB).

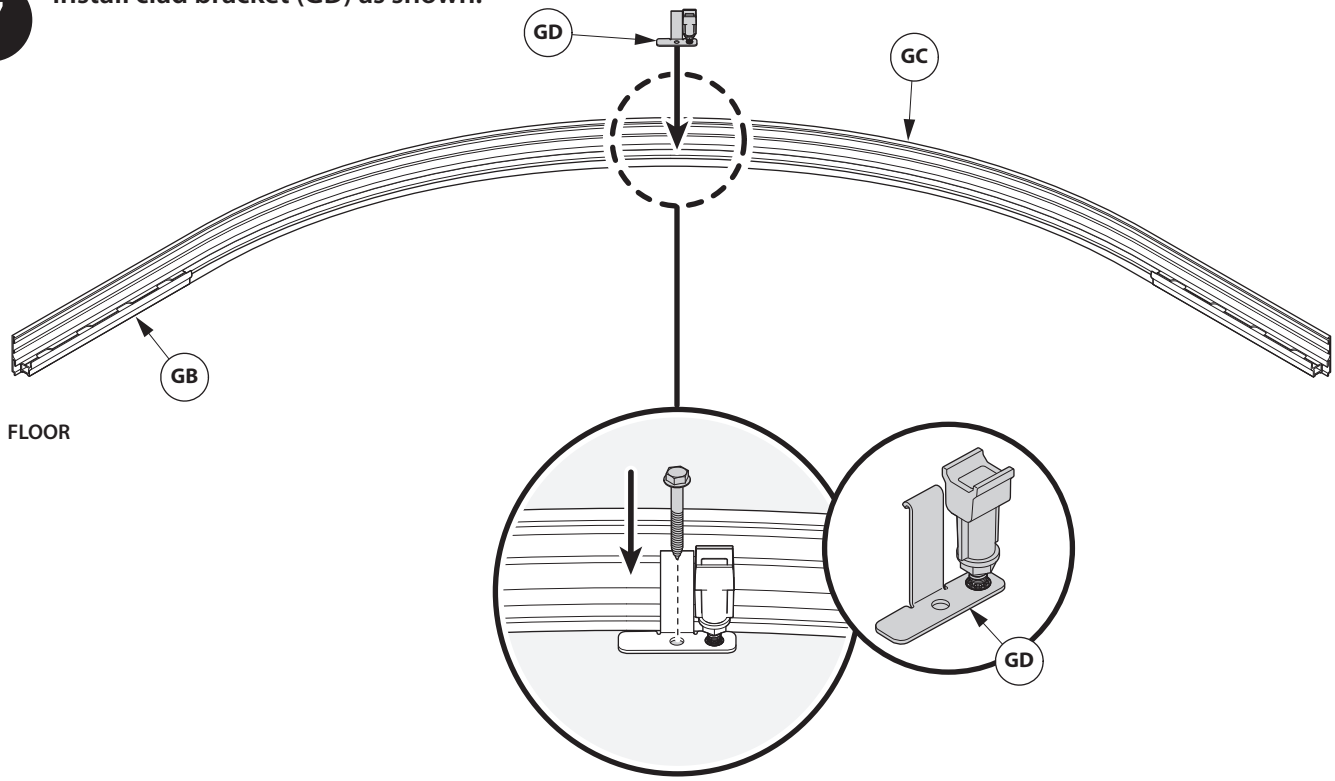
NOTE: Base rail may be trimmed to accommodate adjacent sidelight glass of 6-12" wide.



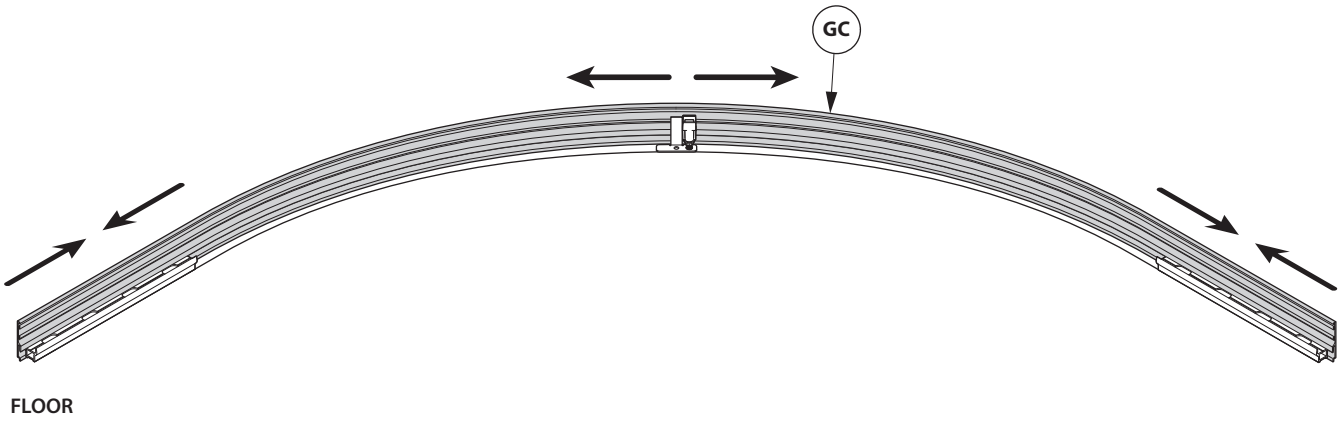
6 Install outter clad (GC) as shown.



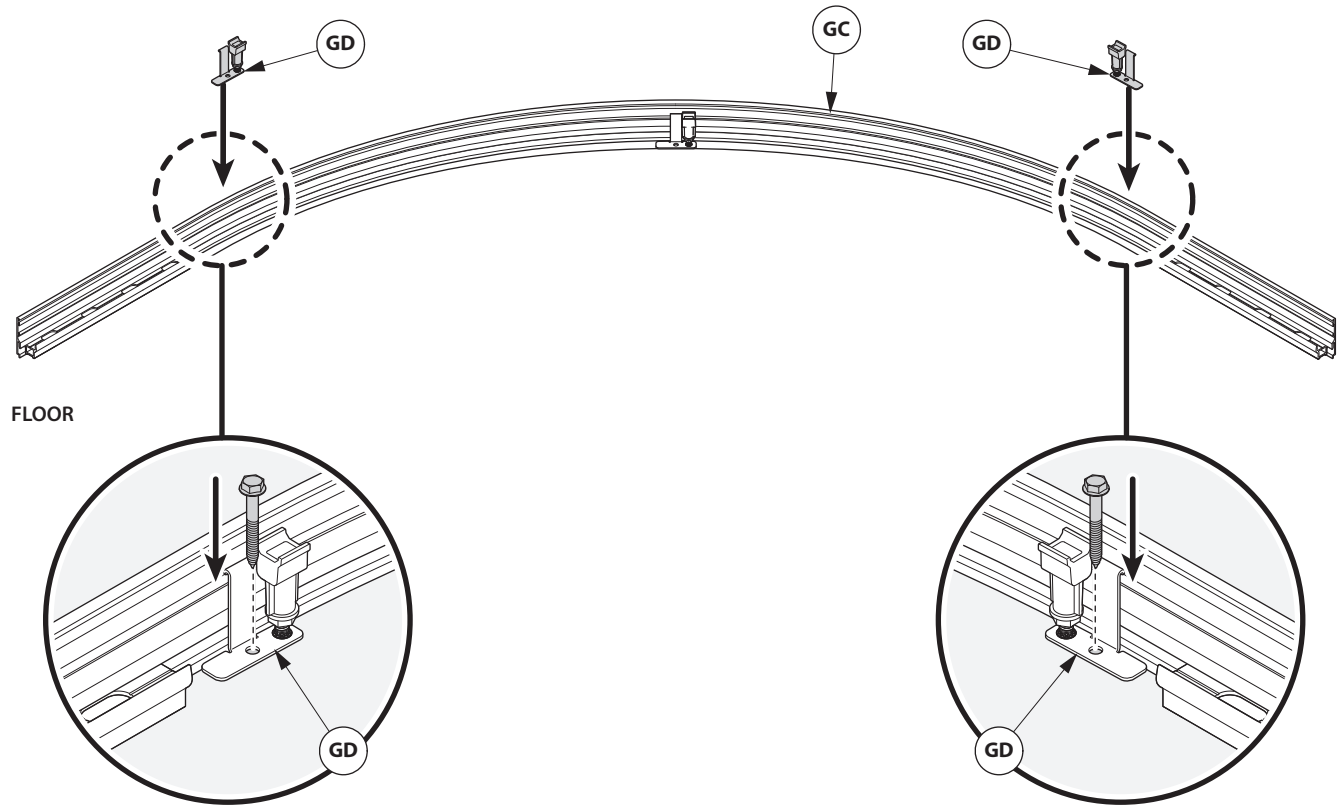
7 Install clad bracket (GD) as shown.



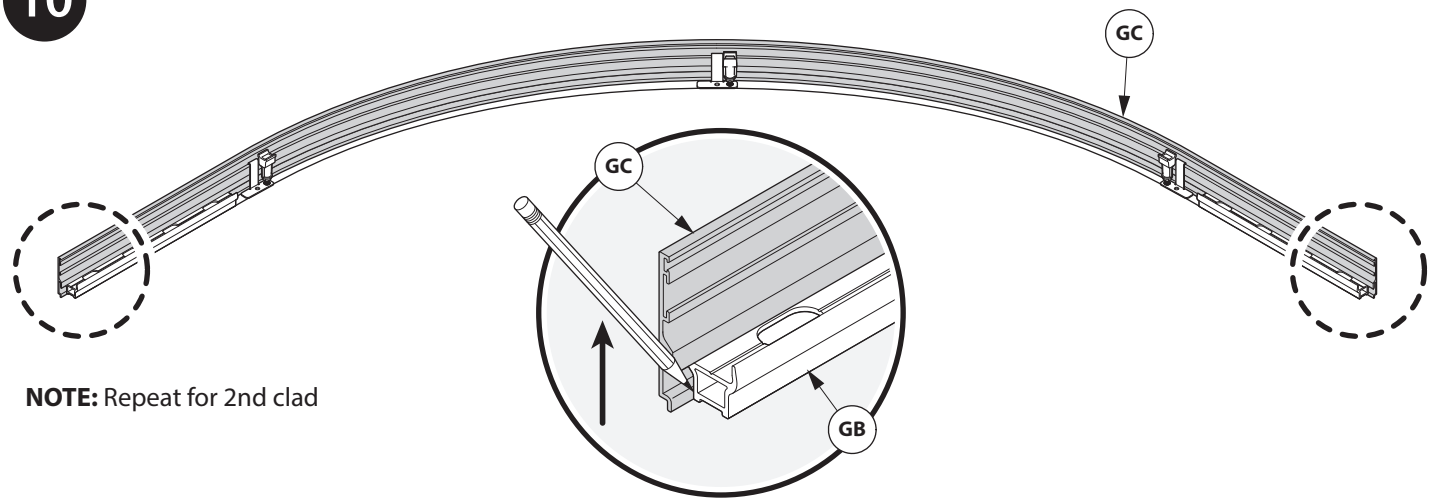
8 Adjust clad (GC) accordingly, making sure clad is aligned with marked lines on floor.



9 Install two extra clad brackets (GD) as shown.

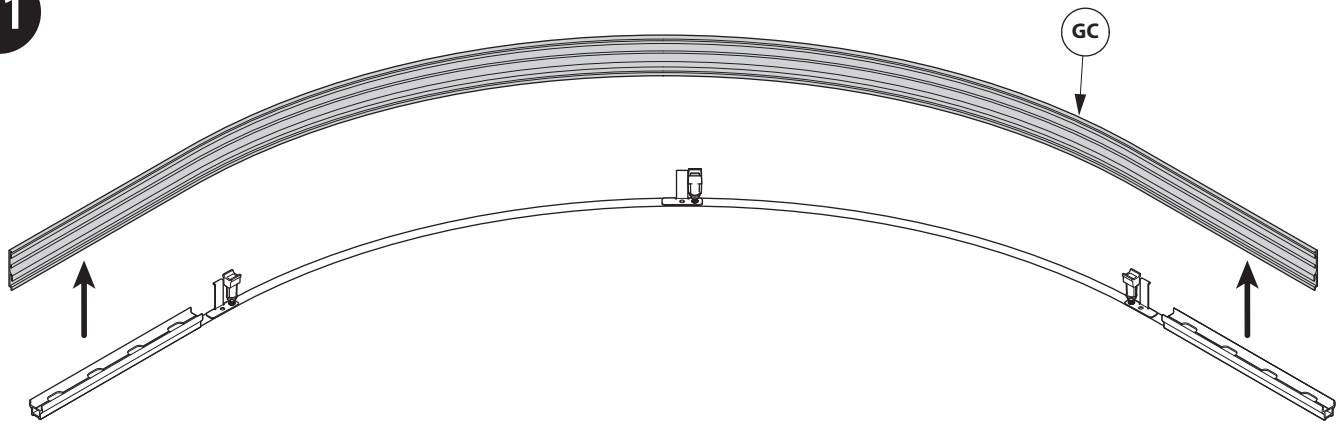


10 Mark clad (GC) on each side as shown.

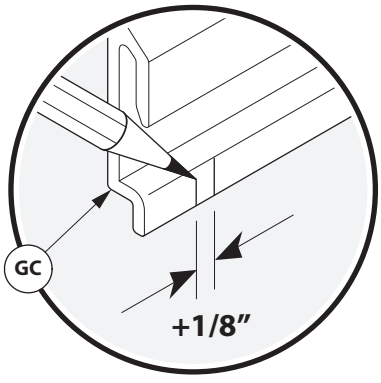


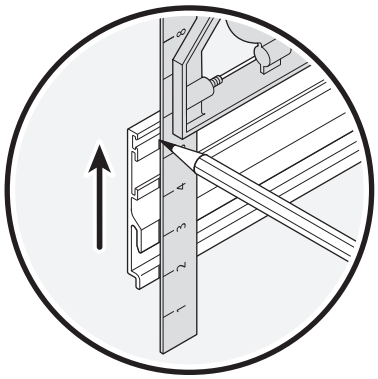
NOTE: Repeat for 2nd clad

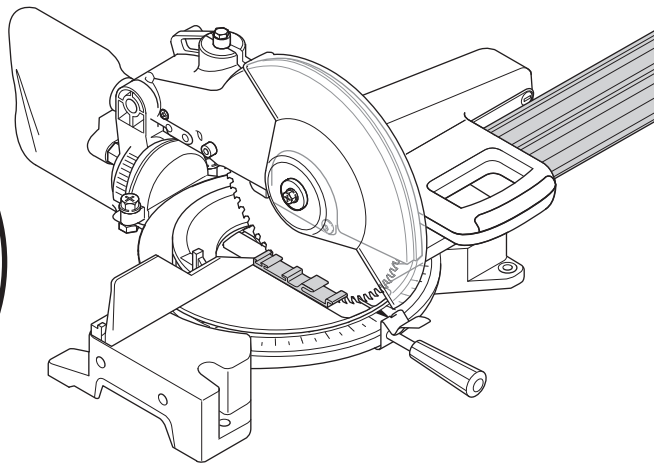
11 Remove clad (GC).



12 Mark and trim clad (GC) as shown.

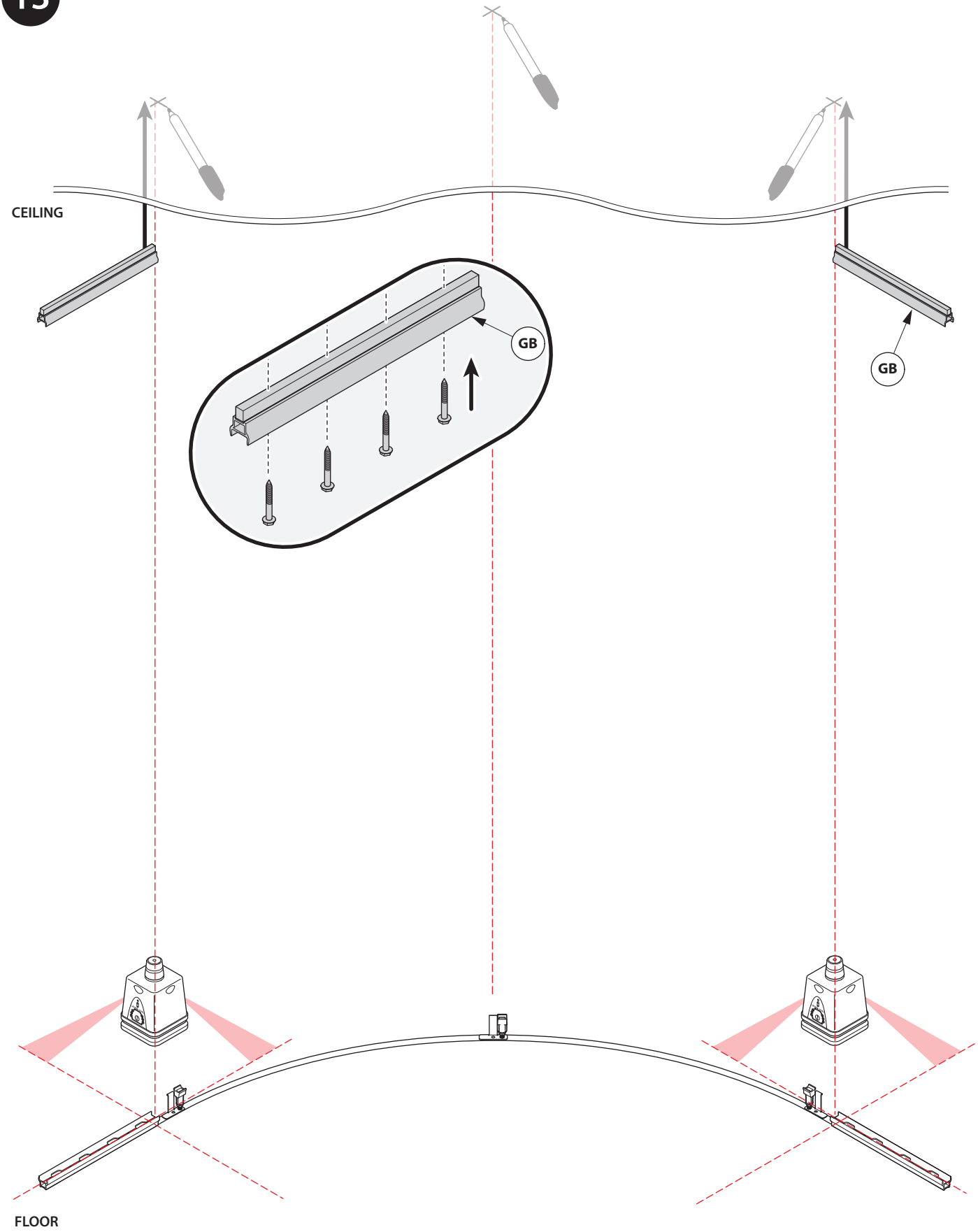




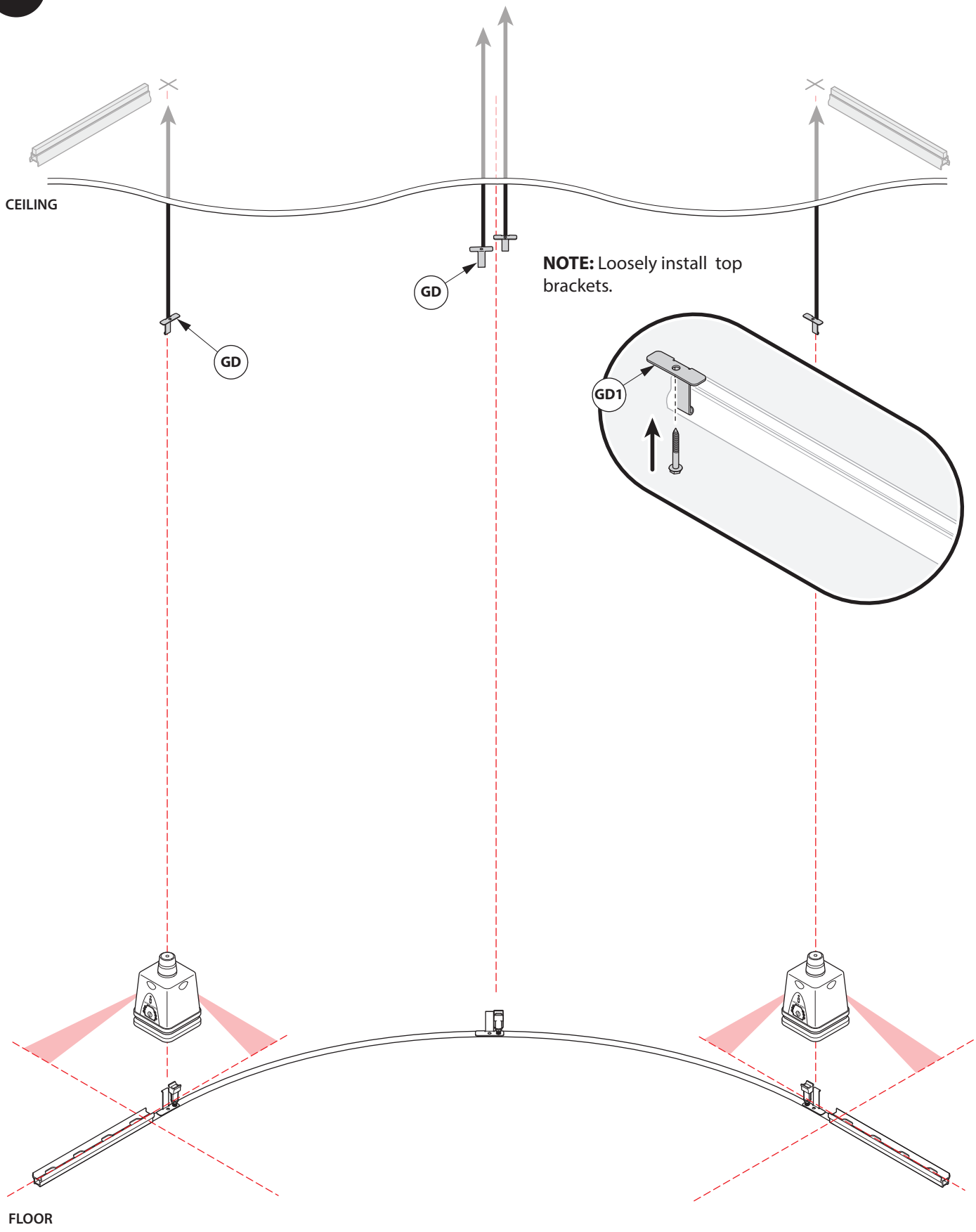


NOTE: Repeat for 2nd clad

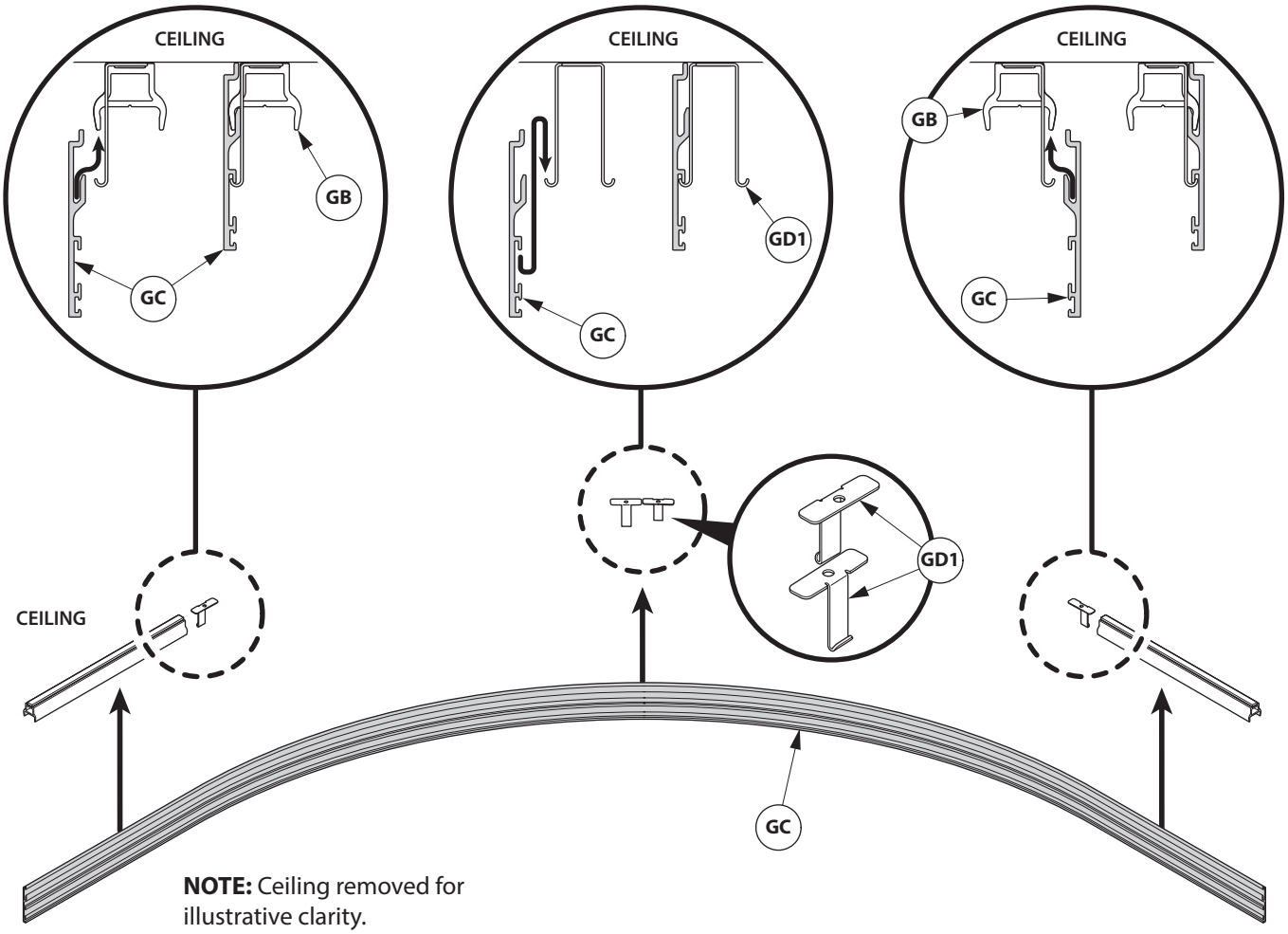
13 Mark location on ceiling for track(s) (GB) and install as shown.



14 Install clad bracket (GD1) as shown.



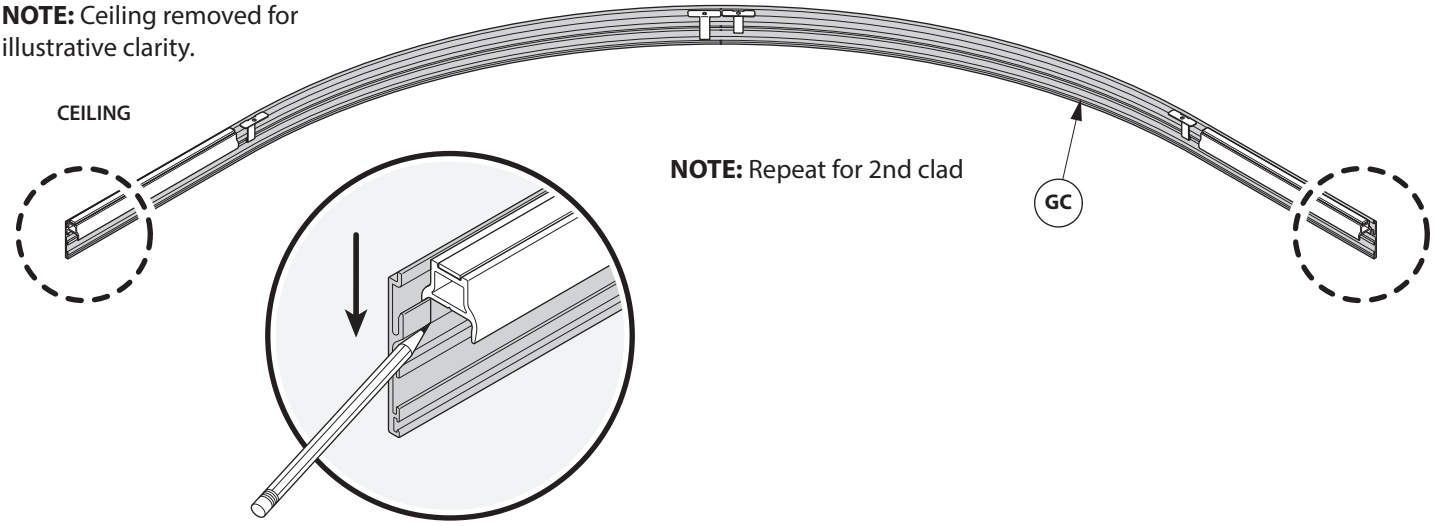
15 Install clad (GC) as shown.



NOTE: Ceiling removed for illustrative clarity.

16 Mark clad (GC) on each side as shown.

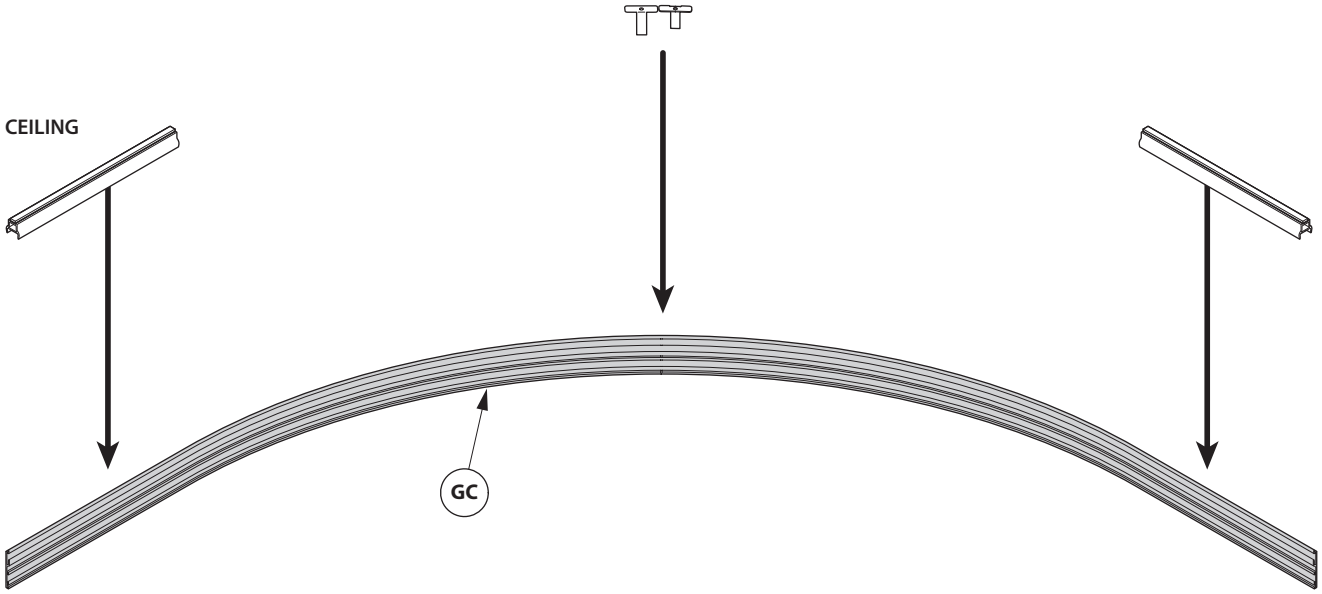
NOTE: Ceiling removed for illustrative clarity.



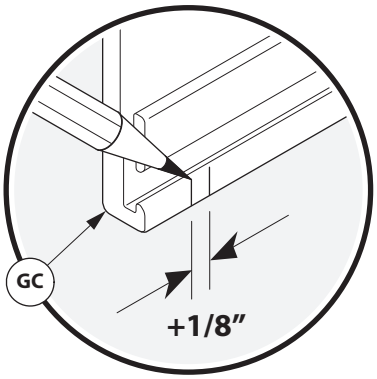
NOTE: Repeat for 2nd clad

17 Mark clad (GC) on each side as shown.

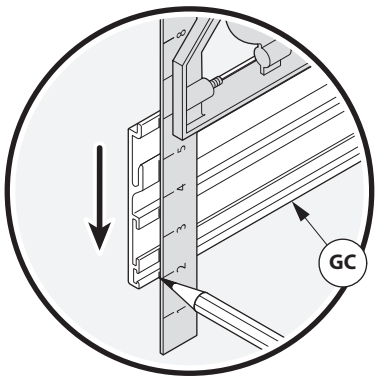
NOTE: Ceiling removed for illustrative clarity.

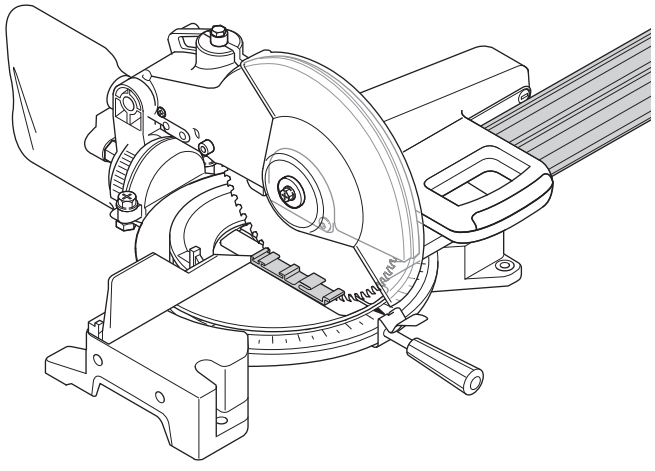


18



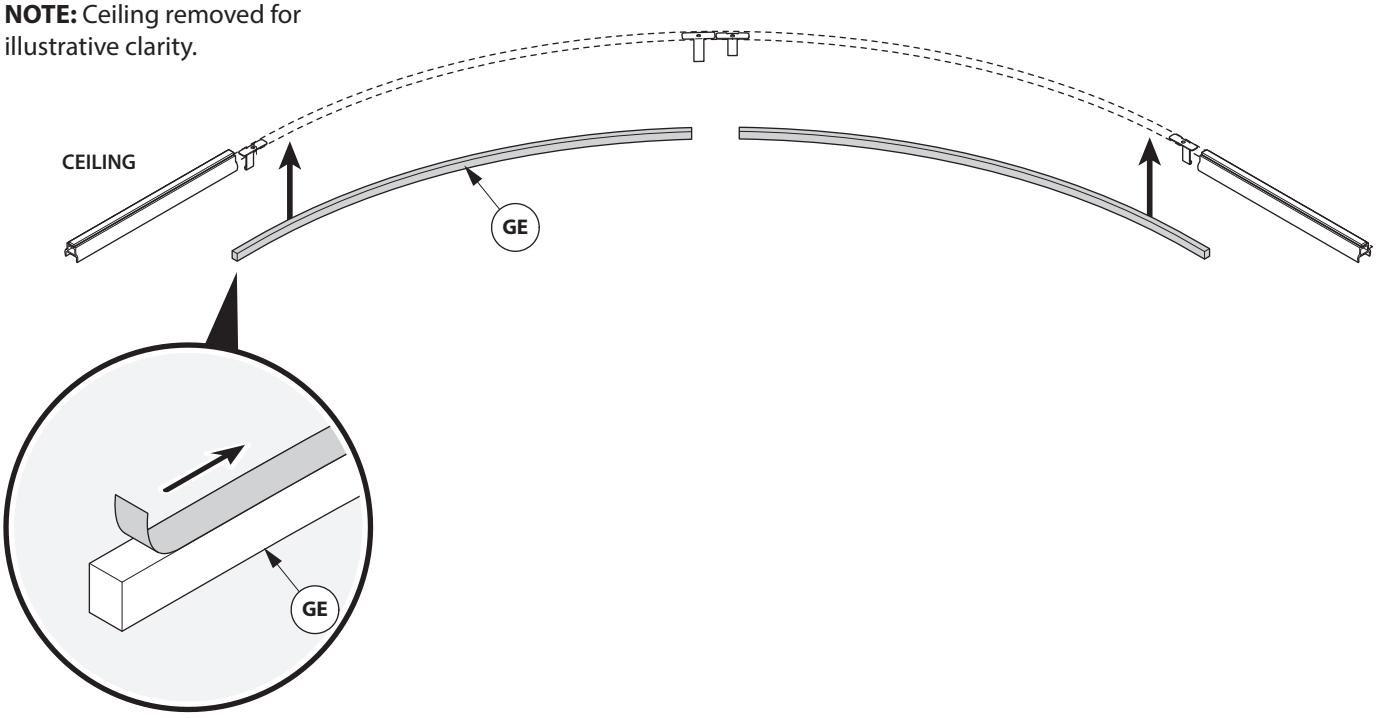
NOTE: Repeat for 2nd clad



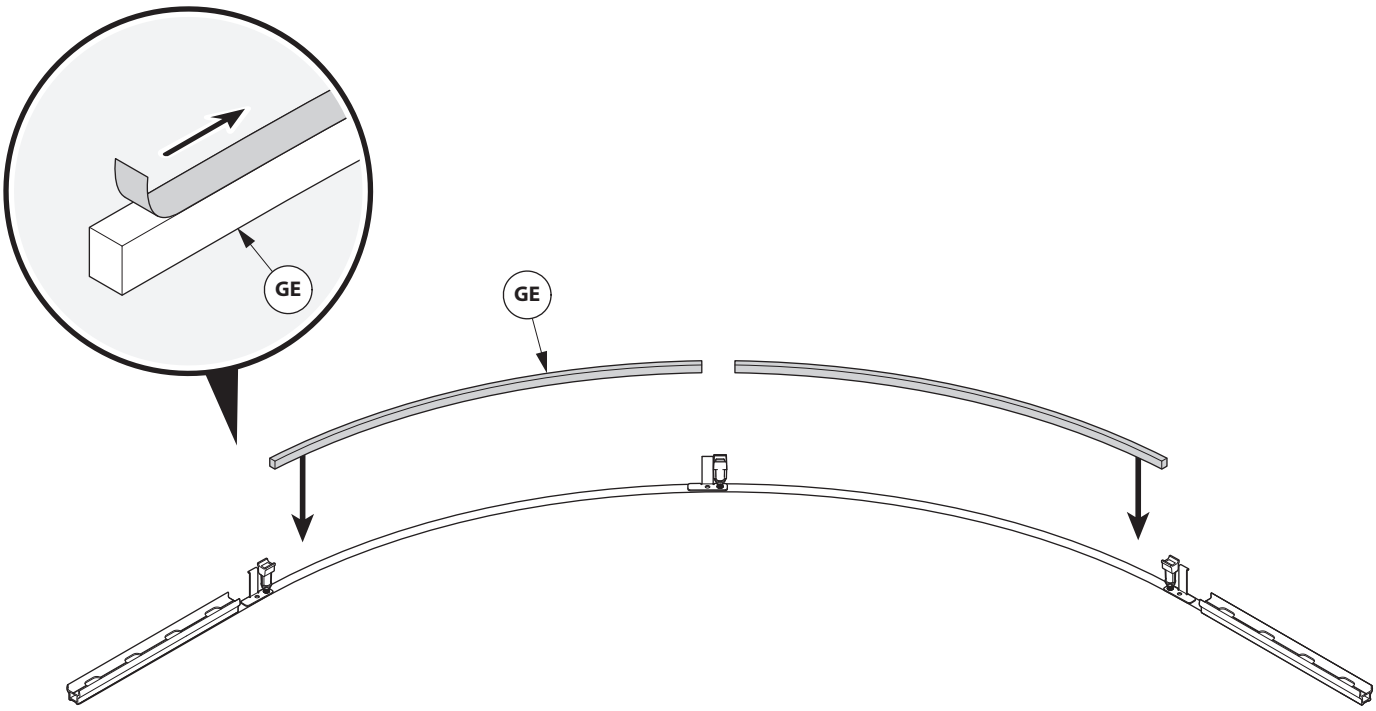


19 Install foam seal (GE) to ceiling as shown.

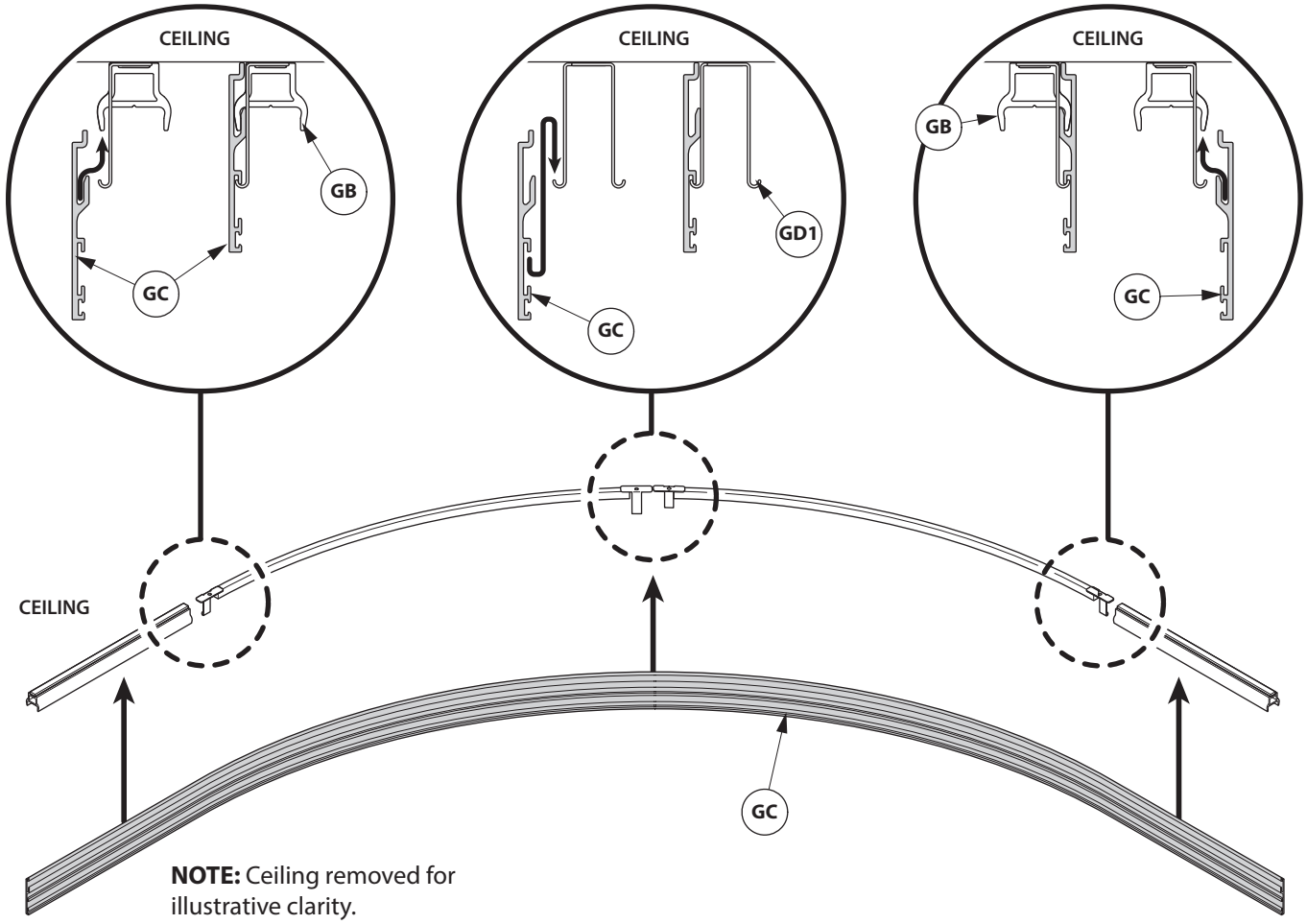
NOTE: Ceiling removed for illustrative clarity.



21 Install foam seal (GE) to floor as shown.

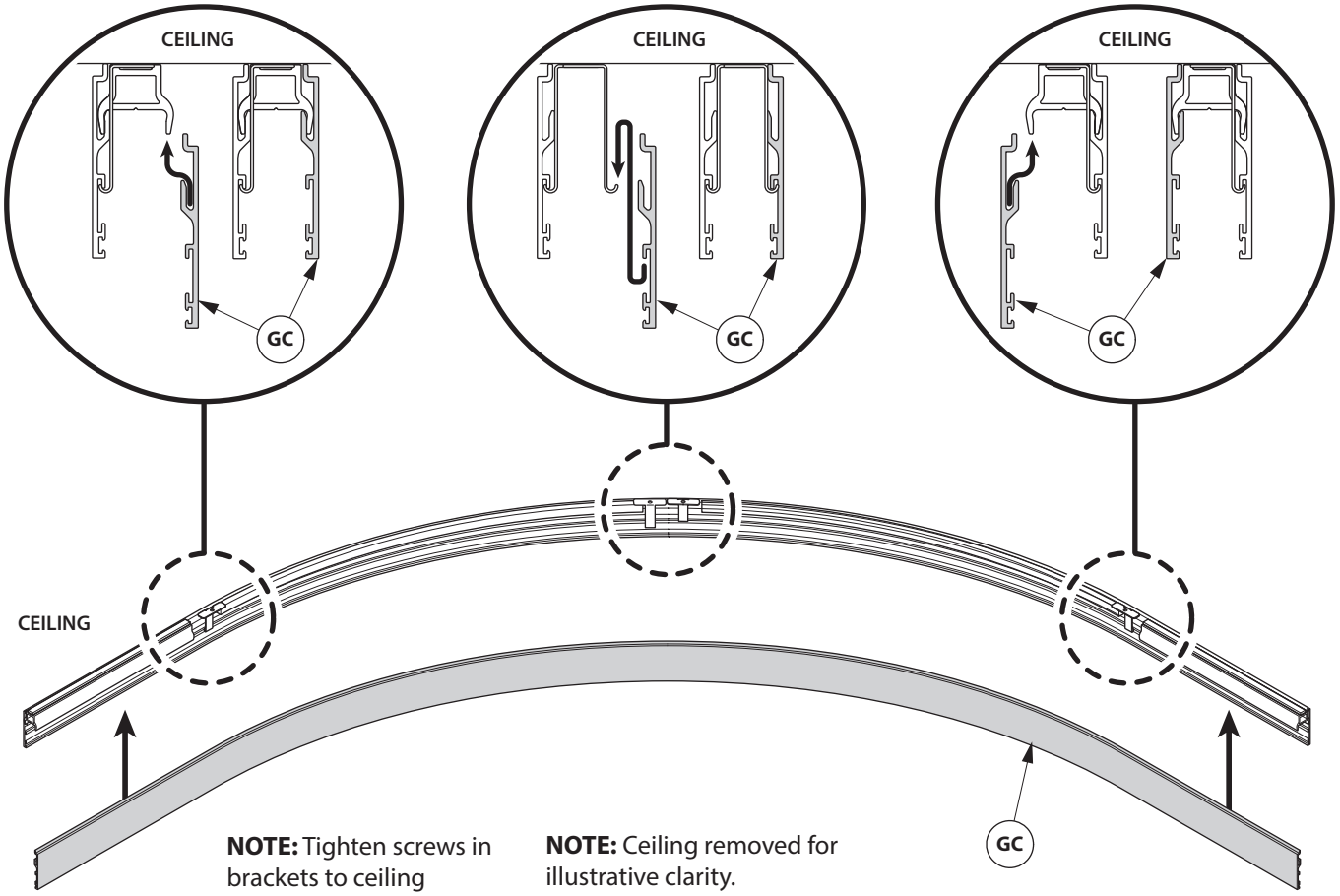


21 **Install clad (GC) as shown.**



NOTE: Ceiling removed for illustrative clarity.

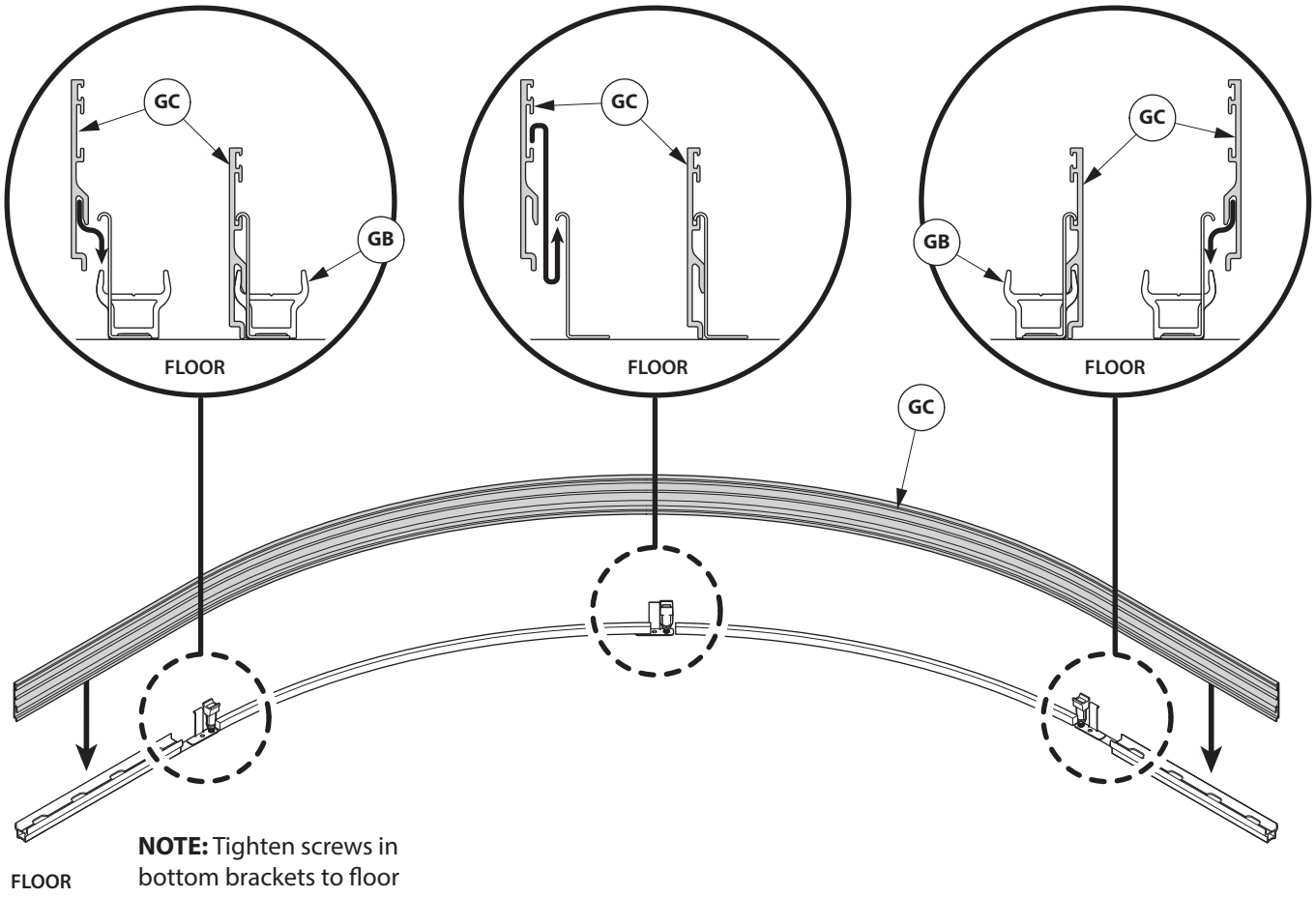
22 Install clad (GC) as shown.



NOTE: Tighten screws in brackets to ceiling

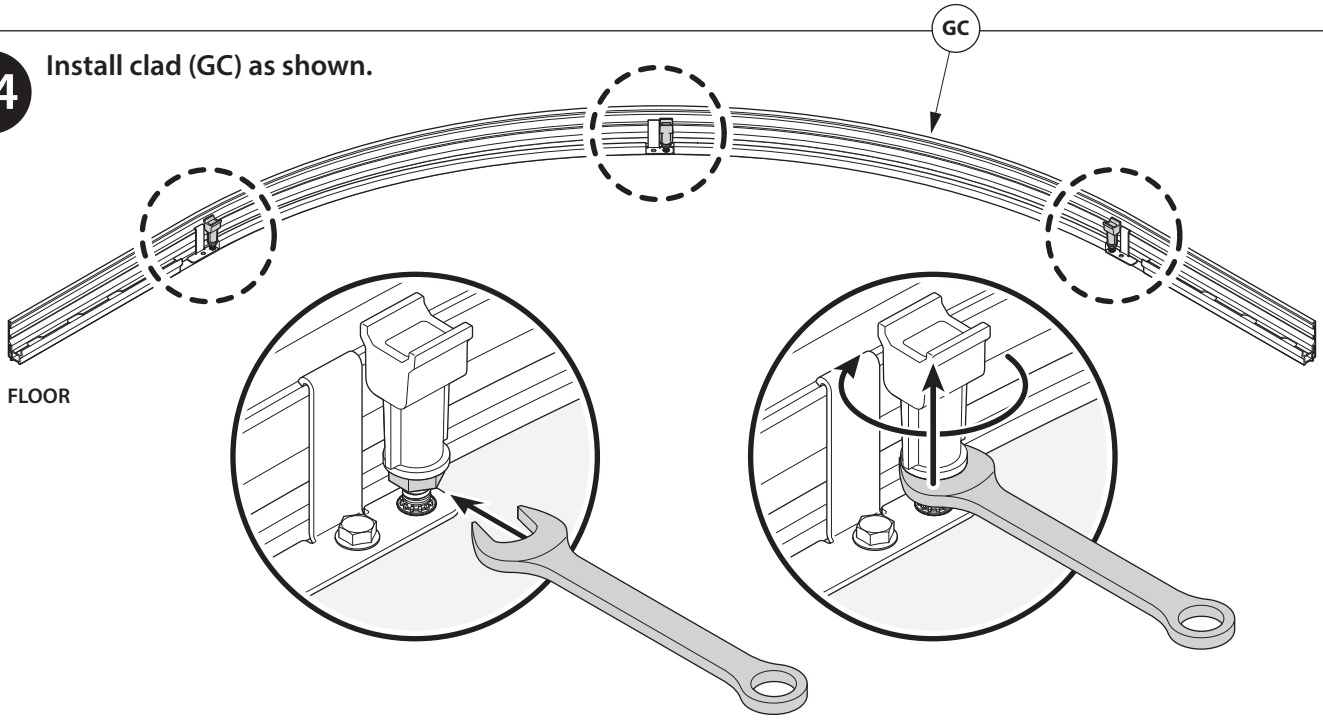
NOTE: Ceiling removed for illustrative clarity.

23 Install clad (GC) as shown.

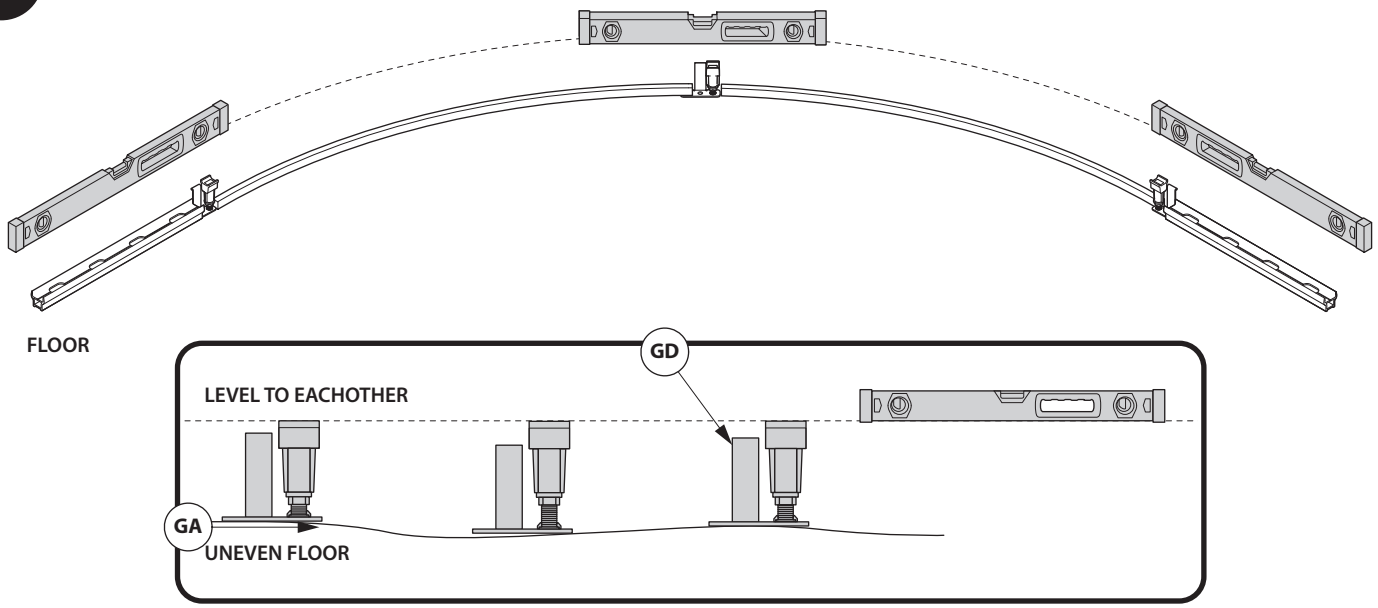


NOTE: Tighten screws in bottom brackets to floor

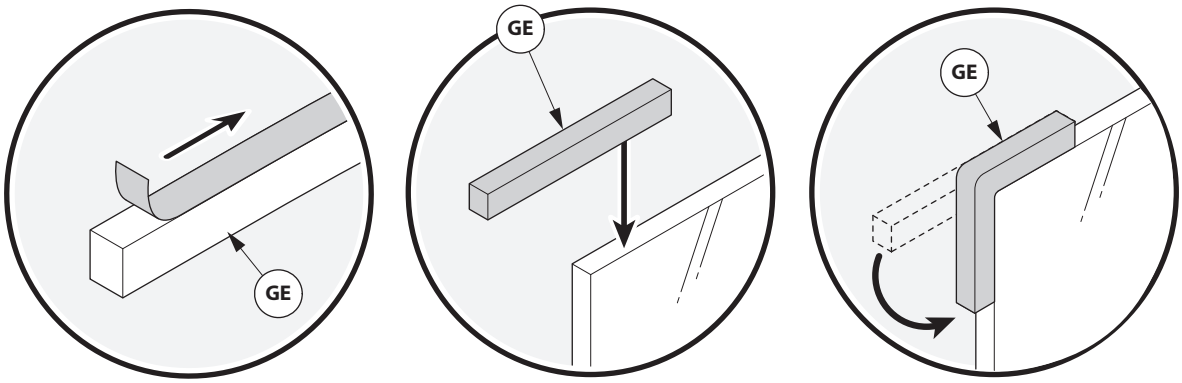
24 Install clad (GC) as shown.

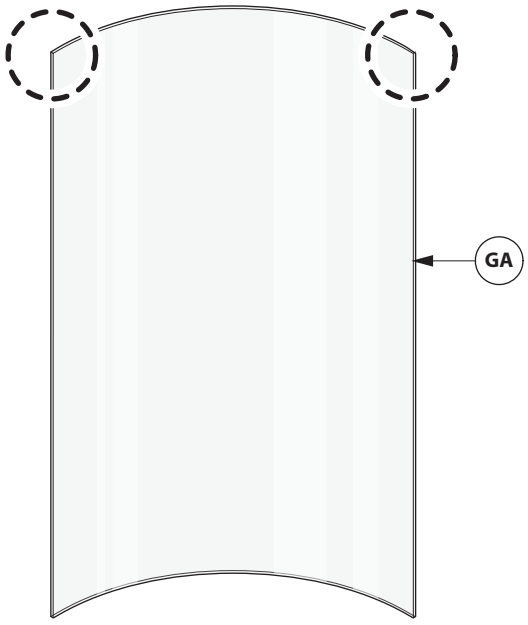


25 Level clad brackets (GD) as shown.

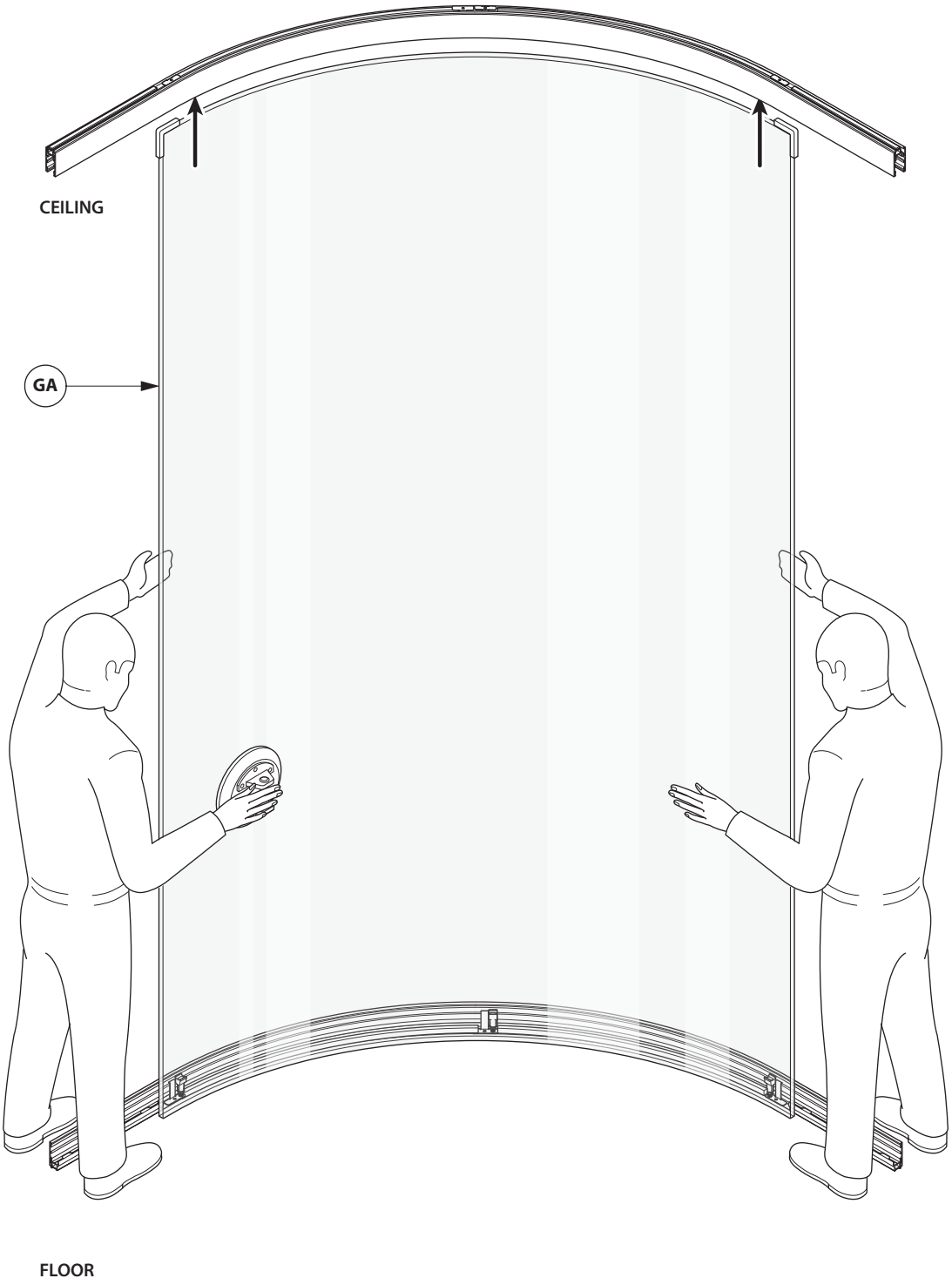


26 Protect corners of glass (GA) with foam (GE) as shown.

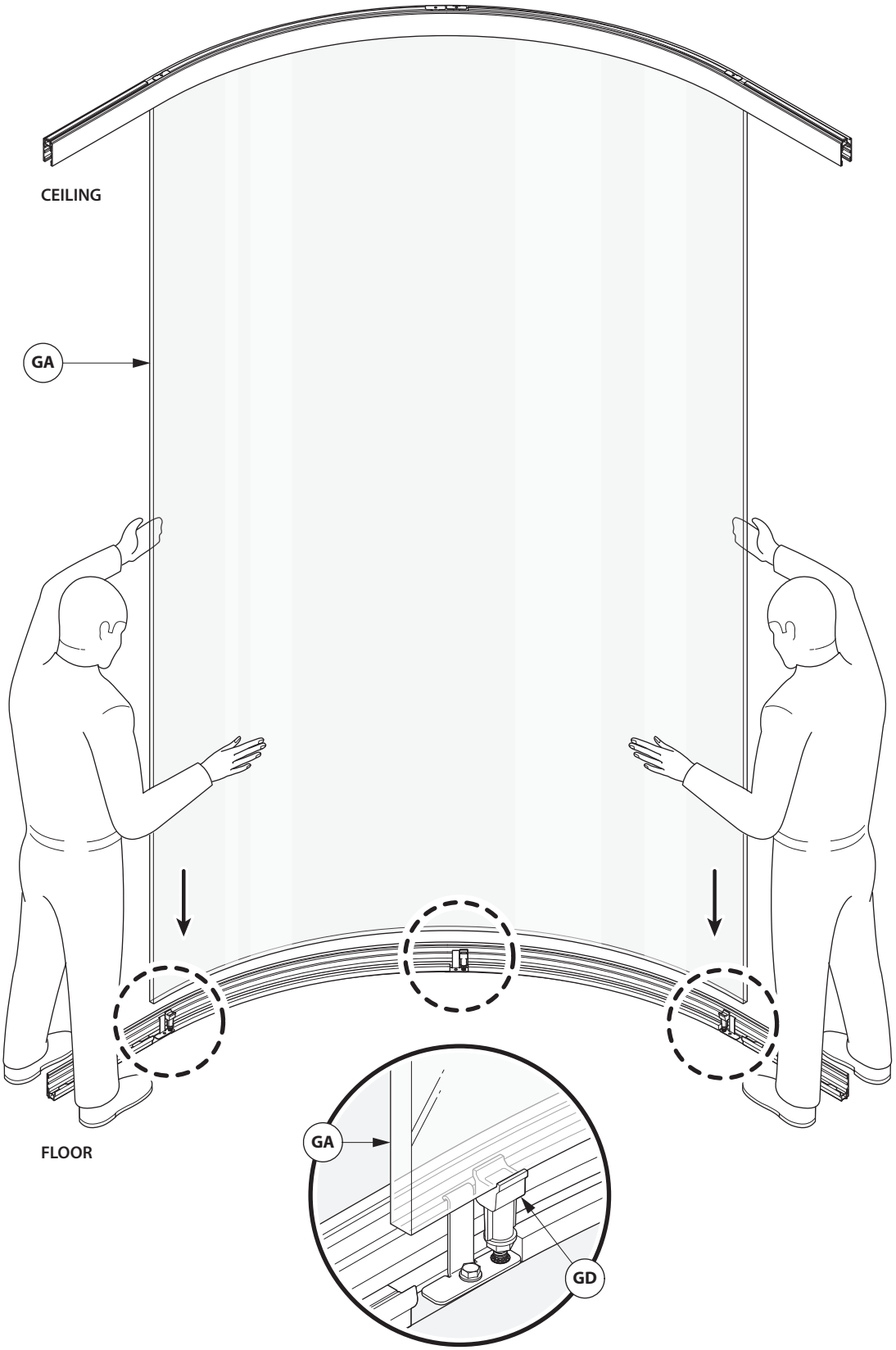




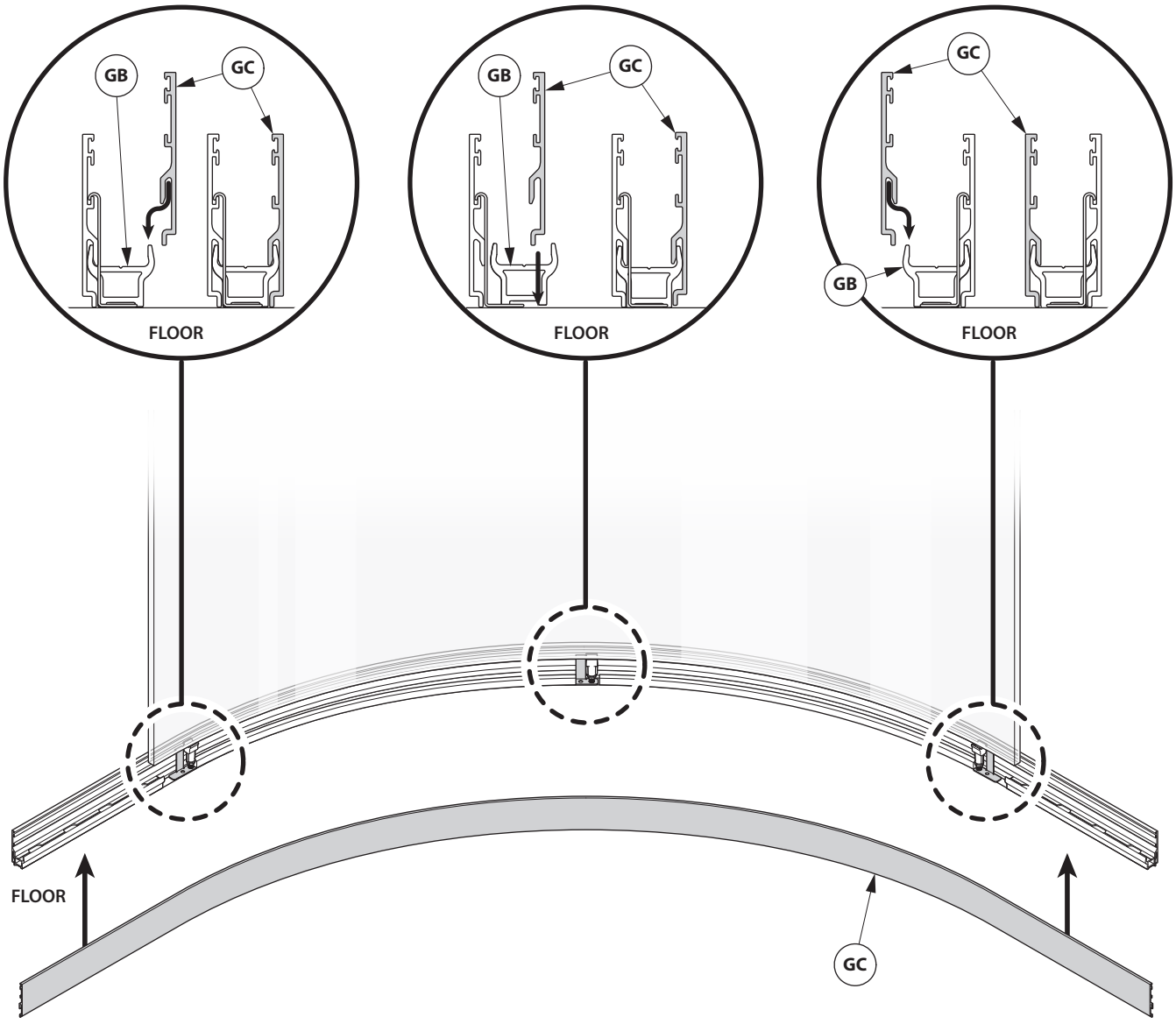
27 Install glass (GA) as shown.



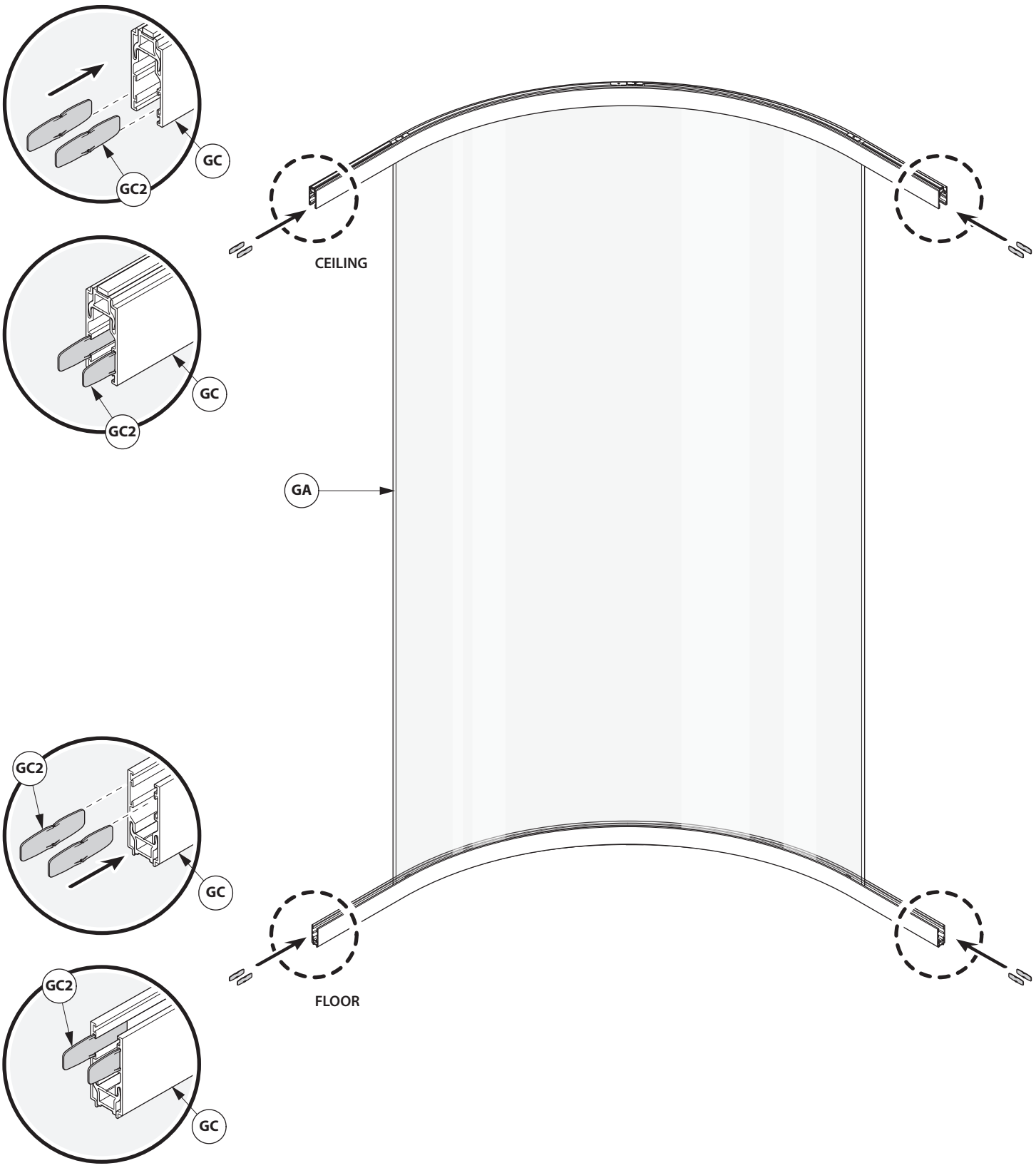
27 Place glass (GA) on leveling brackets (GD) as shown.



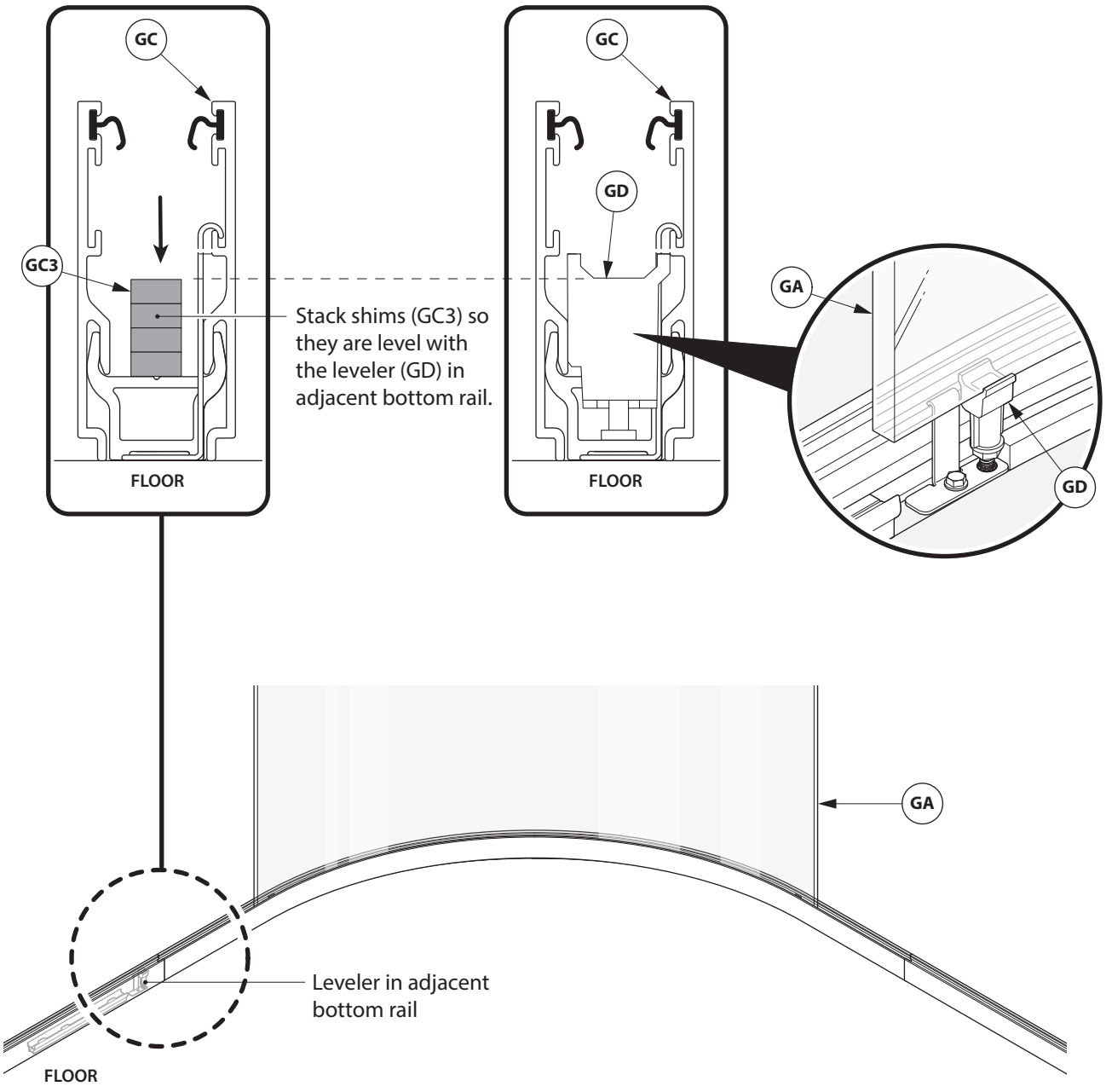
29 **Install clad (GC) as shown.**



30 **Adjacent top and bottom rails can be joined using splice brackets.**

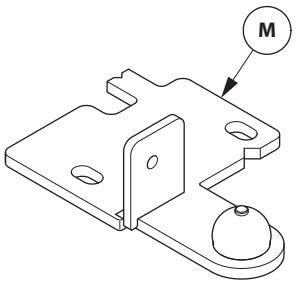


31 **Level the adjacent glass that sits above the base rail. Stack up shims on the base rail to match the height of the levelers on the adjacent glass bottom rail.**

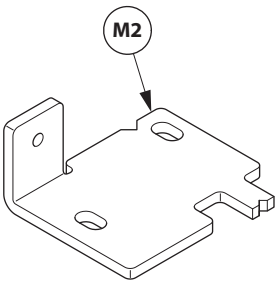


Pivot Door Frame

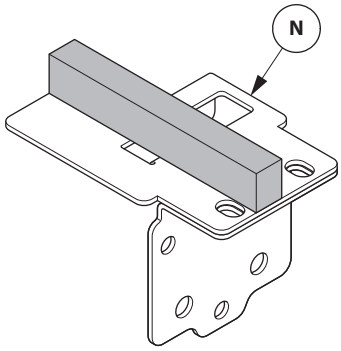
8.1 COMPONENTS



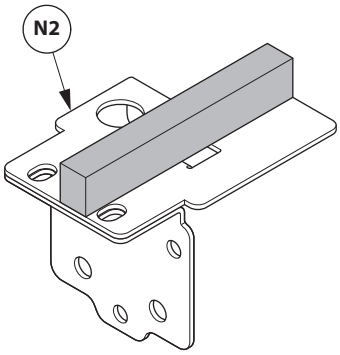
BOTTOM PIVOT BRACKET



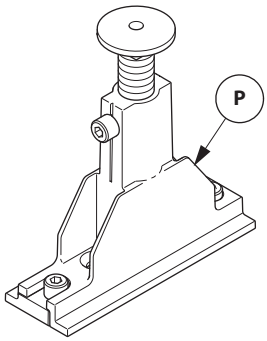
BOTTOM STRIKE BRACKET



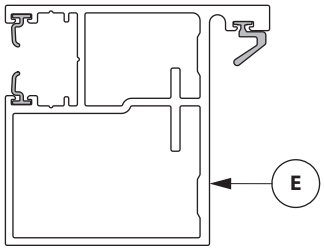
TOP JAMB BRACKET



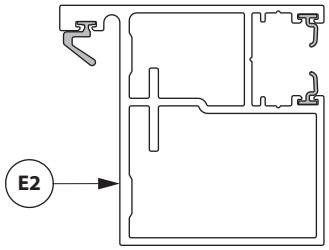
TOP JAMB BRACKET



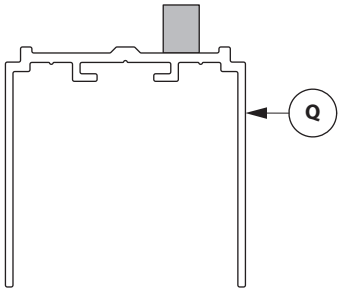
HEADER MOUNT



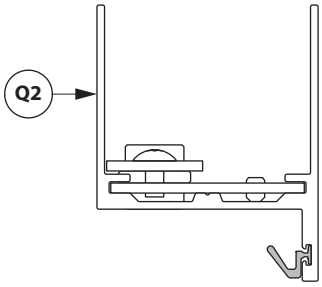
VERTICAL STRIKE JAMB



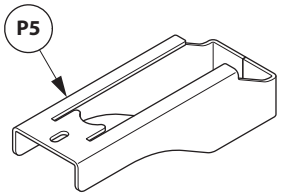
VERTICAL PIVOT JAMB



FIXED HEADER

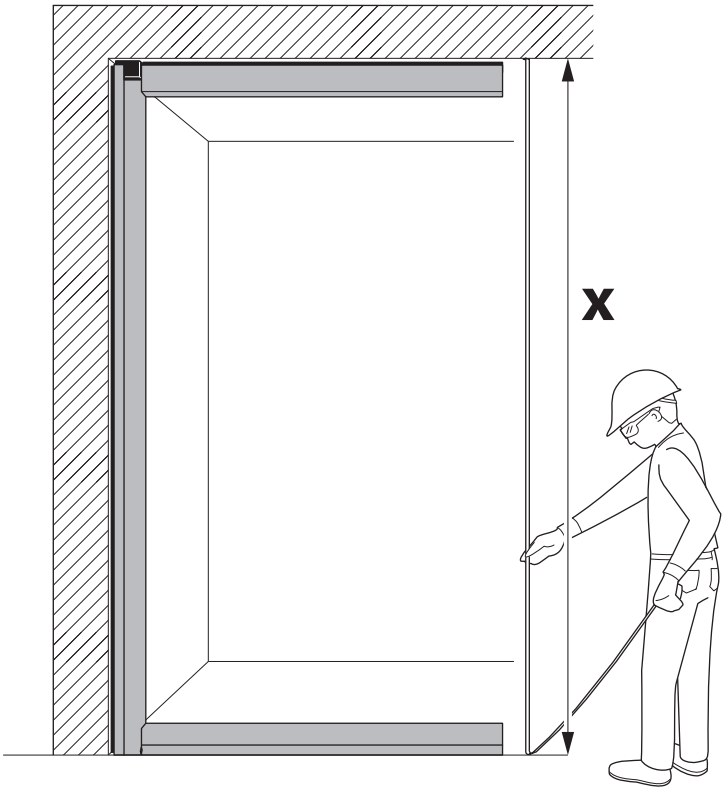


ADJUSTABLE HEADER

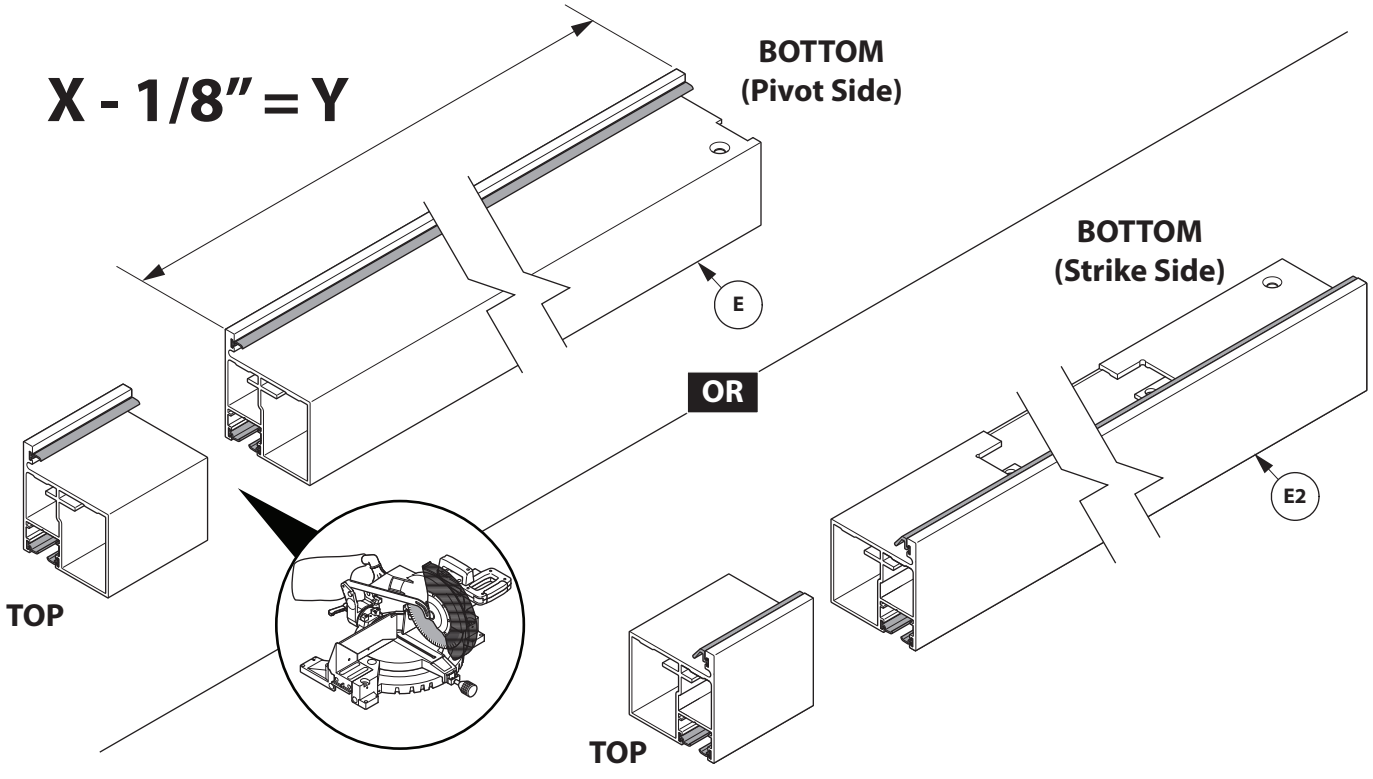


BRACE BRACKETS

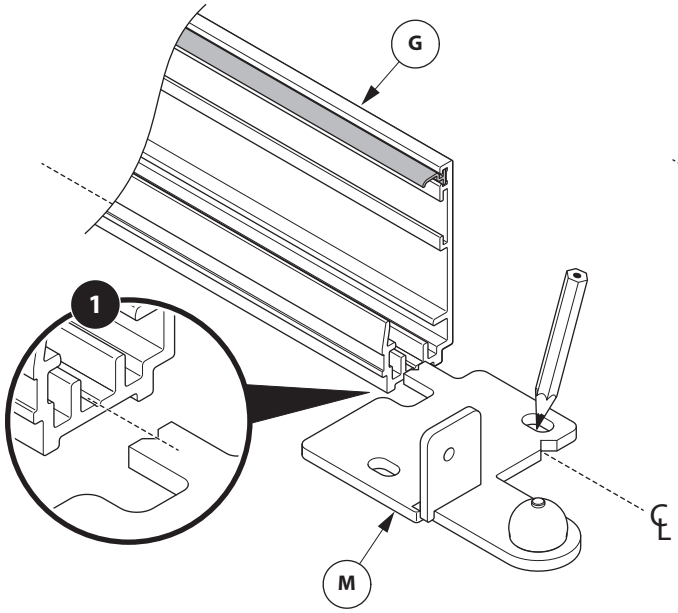
1 **Measure as shown for vertical door jamb**

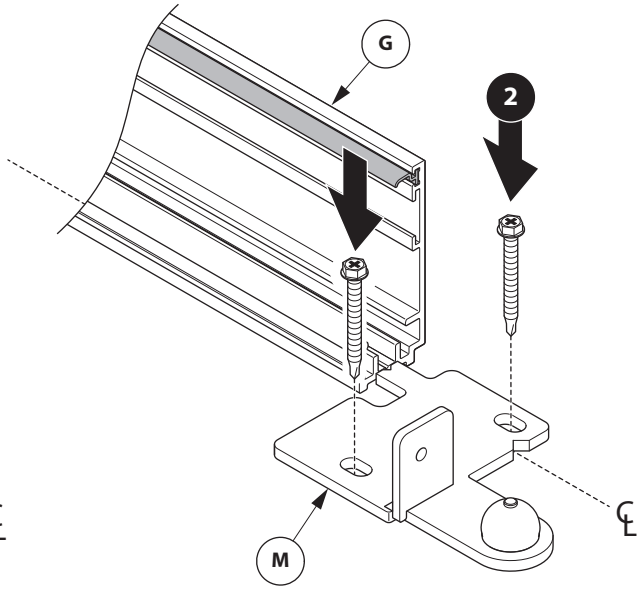


2 **Select correct jamb (E or E2). Measure and cut jamb to ceiling height minus 1/8".**
Important: Cut off top, non-machined end, of jamb. The bottom end of the jamb is the machined end.

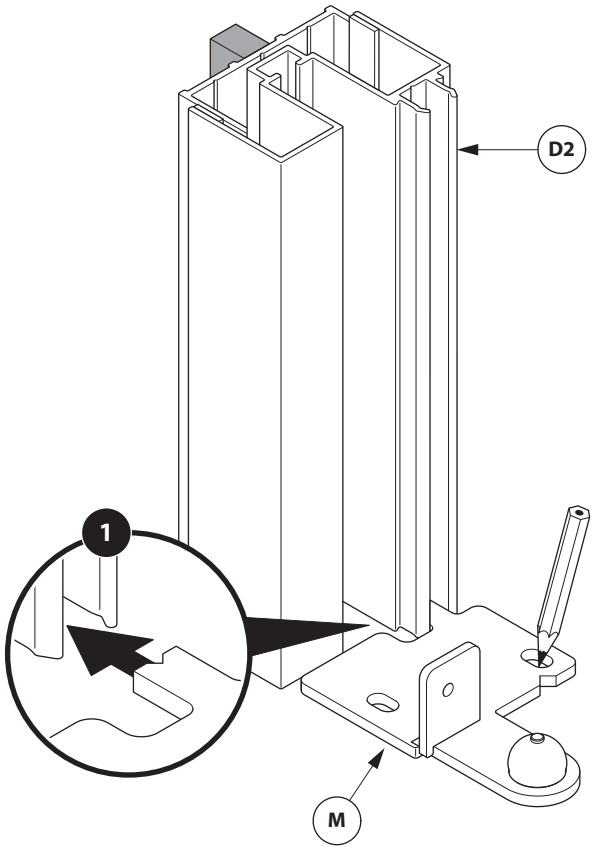


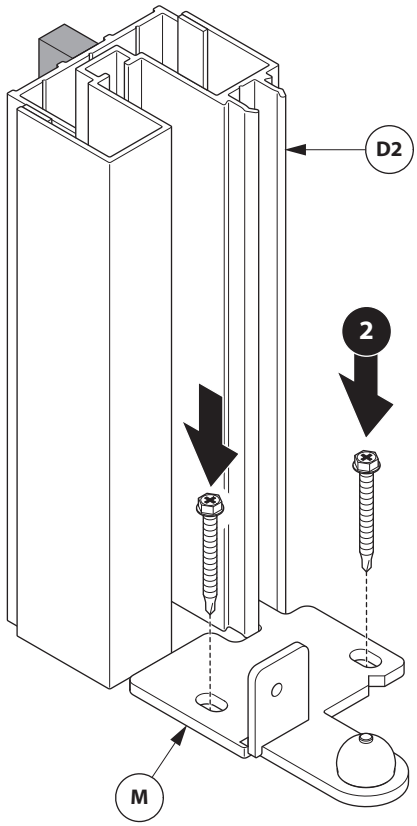
3 **Position and align correct bottom bracket, strike (M2) or pivot (M), against bottom horizontal rail (G) or starter (D2). Mark positions of mounting holes. Pre-drill and anchor to floor. Screws not provided.**





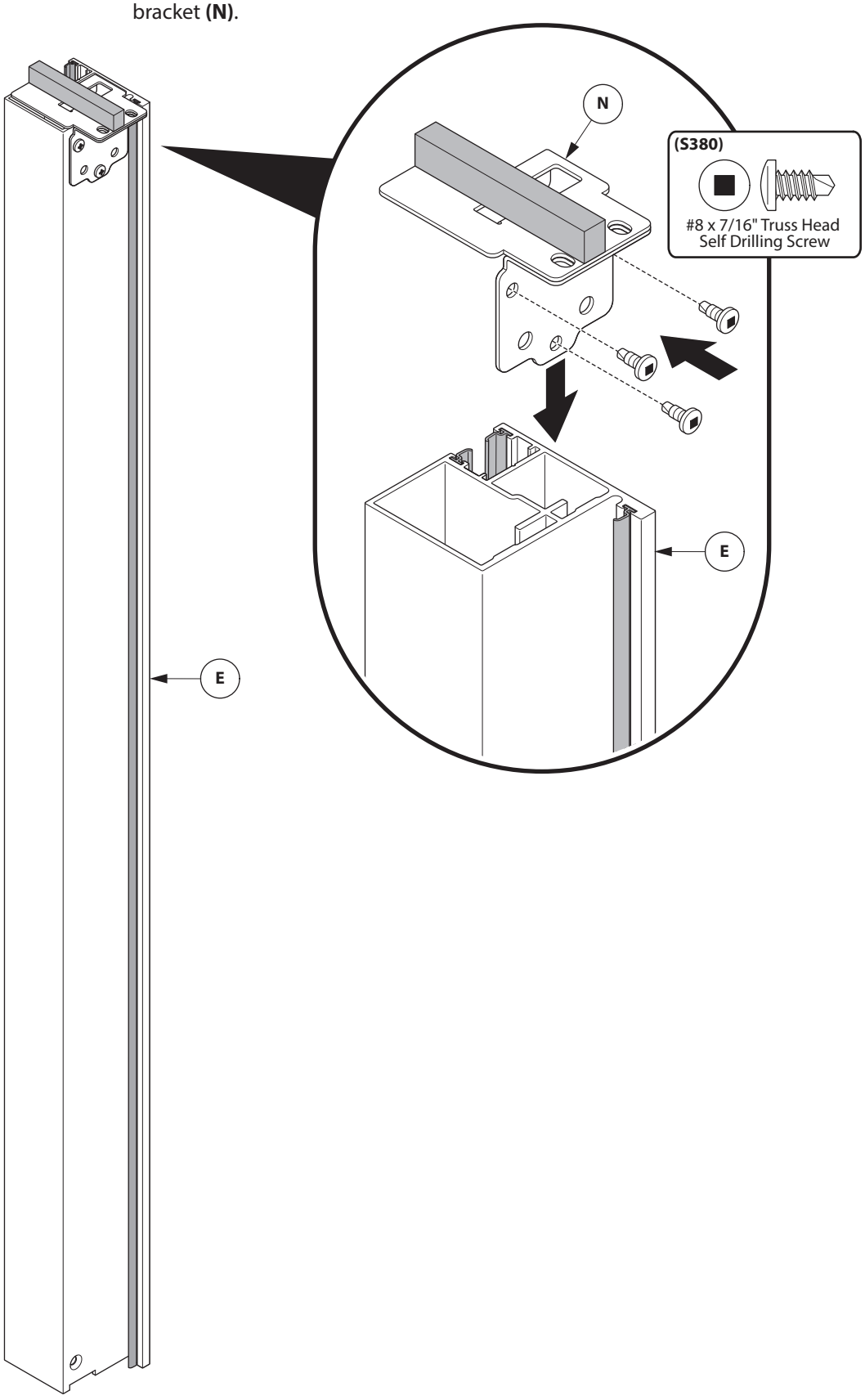
OR



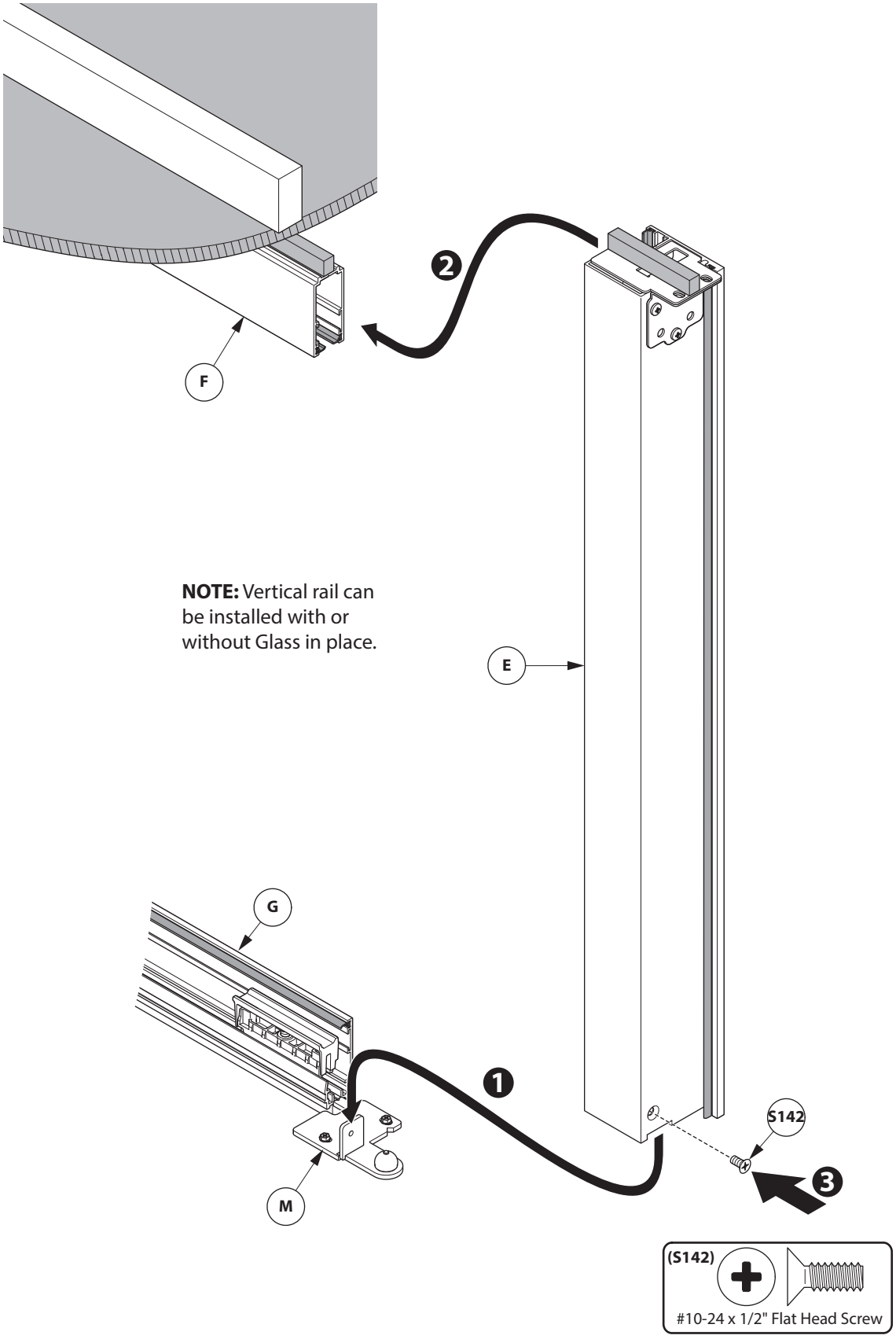


4 Attach jamb bracket (N).

NOTE: Center jamb bracket **(N)**.

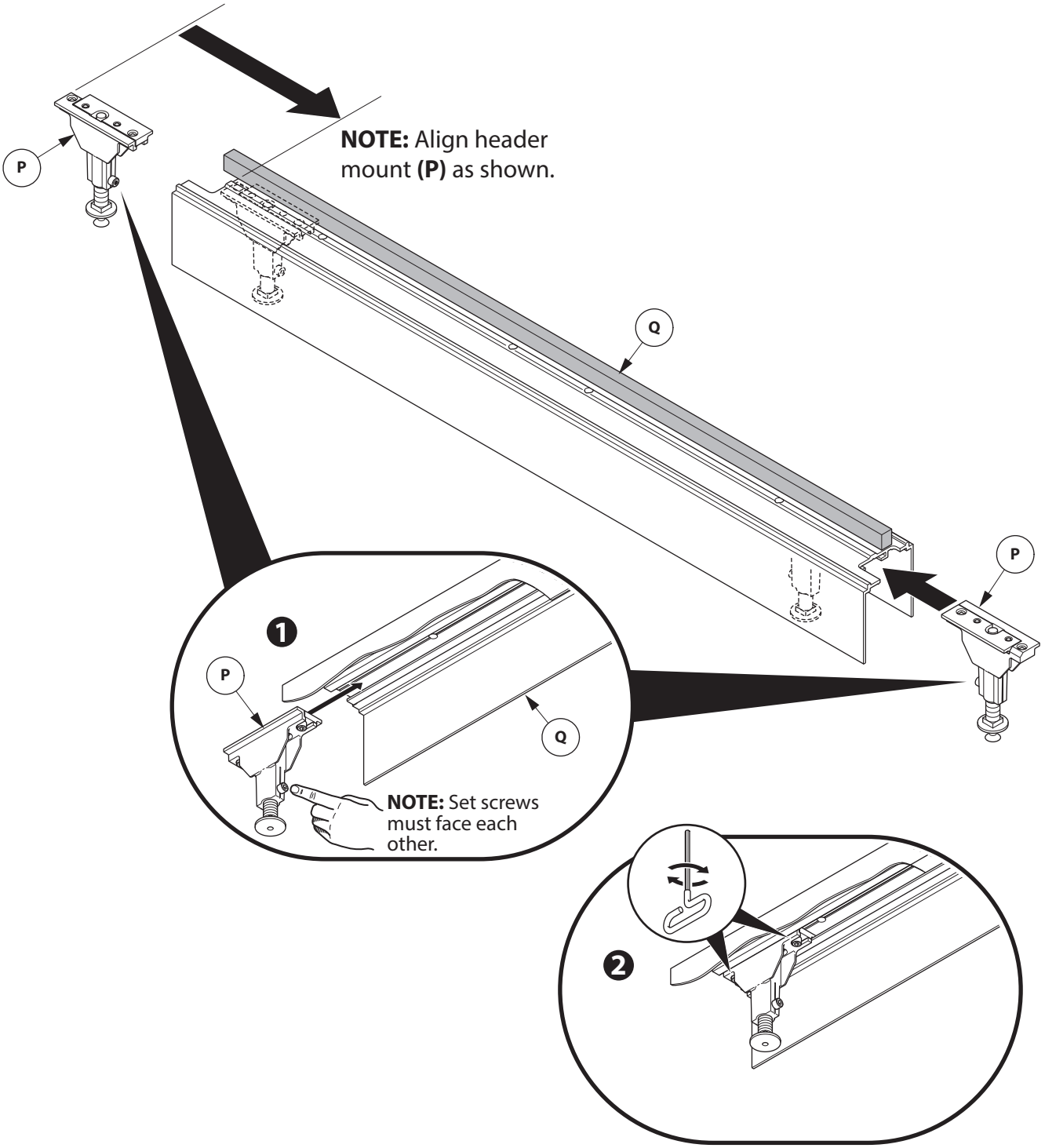


5 **Position bottom of jamb over bottom floor bracket, rotate top of jamb in place against glass/starter rail, compressing top foam against ceiling and secure.**

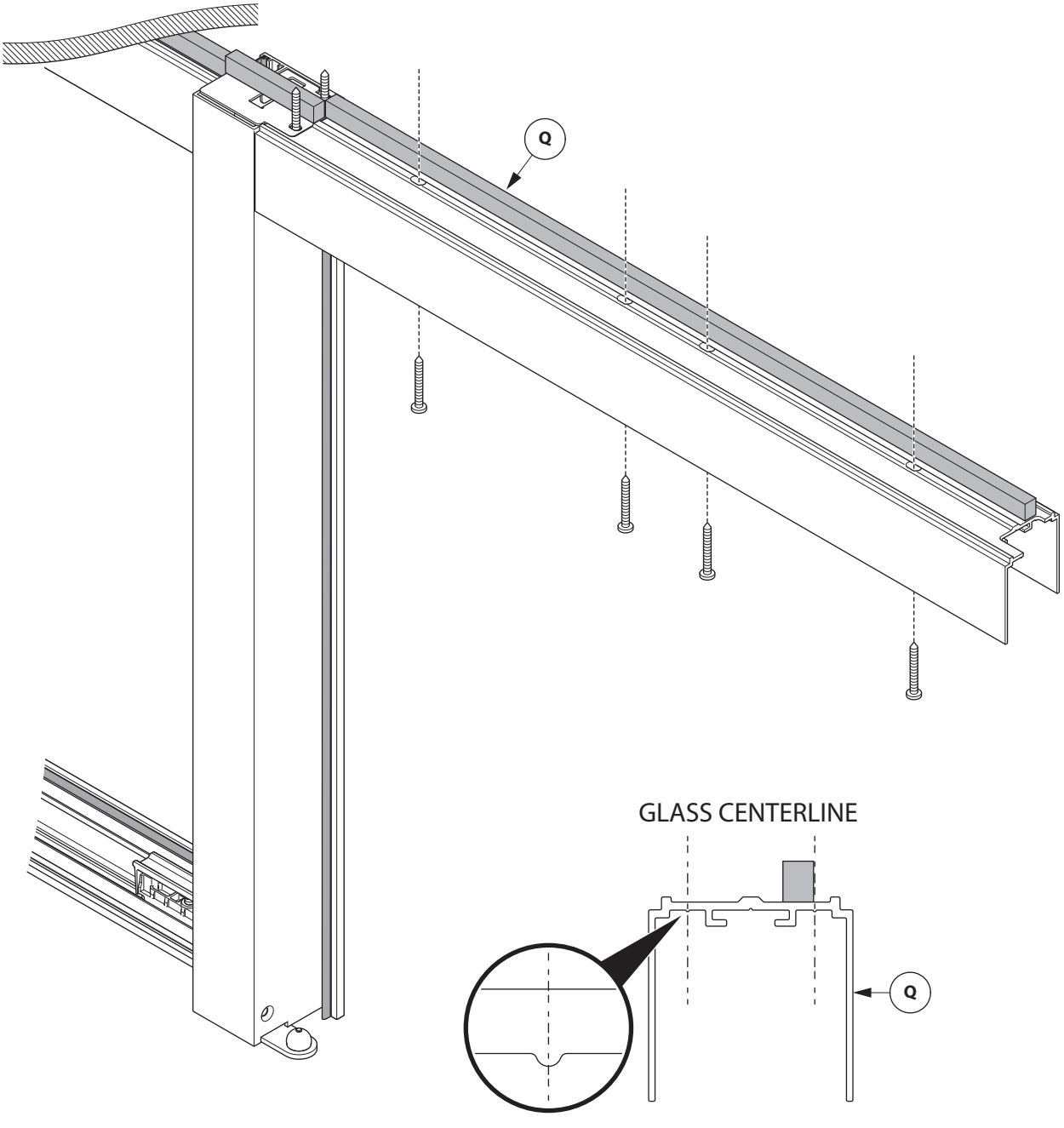


NOTE: Vertical rail can be installed with or without Glass in place.

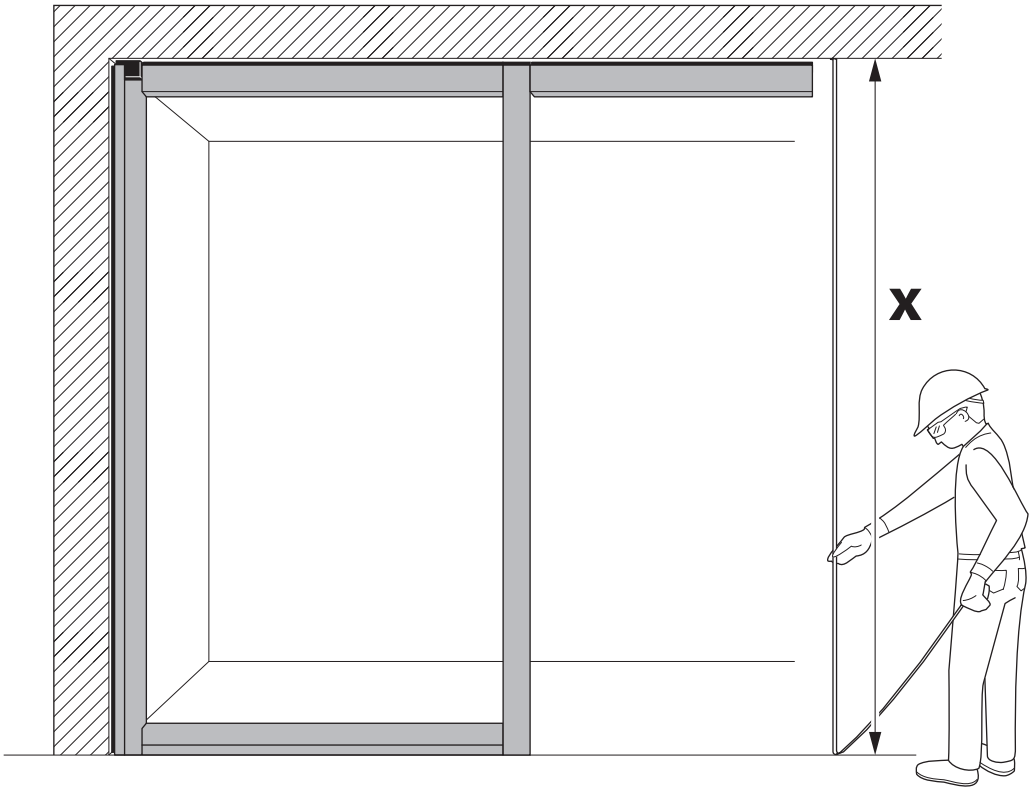
6 Install header mounts (P).



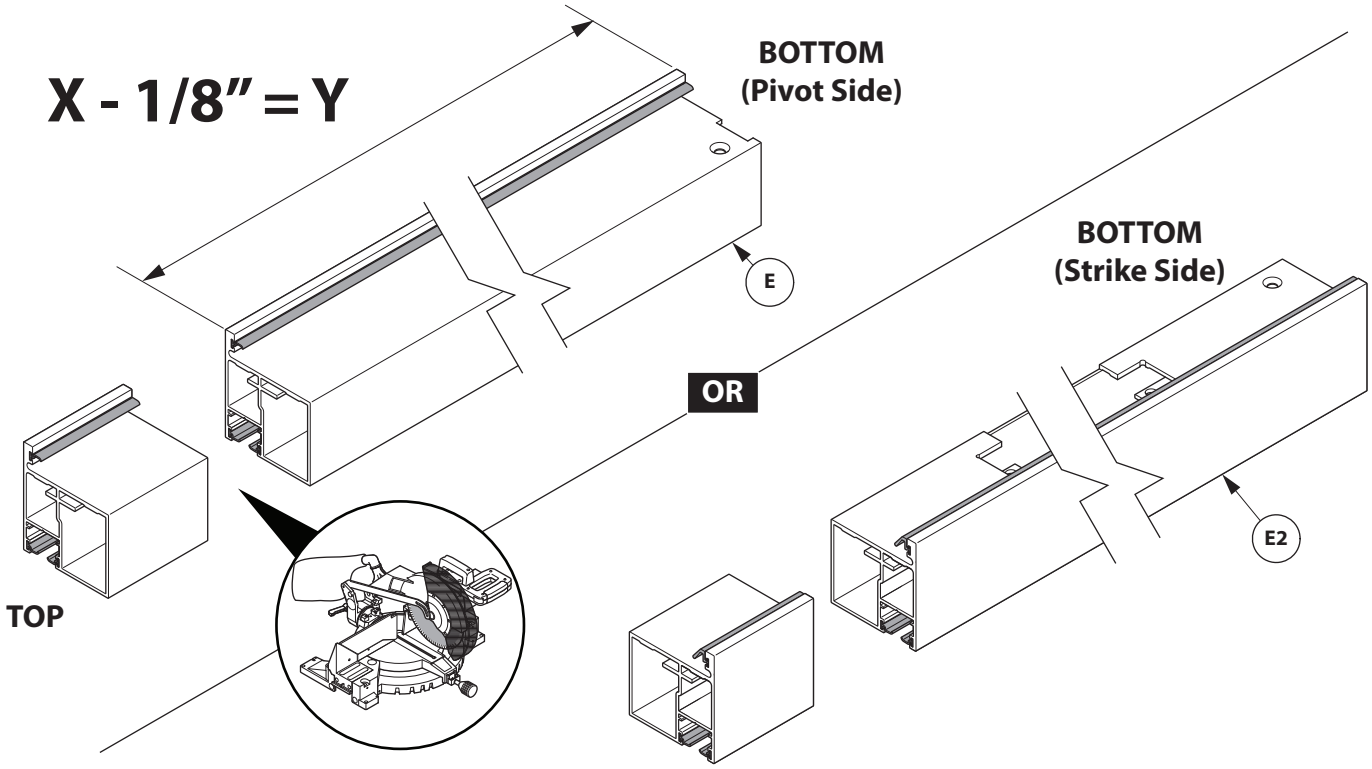
7 **Align and position fixed header (Q) tight against jamb. Attach to ceiling (screws not provided) using pre-drilled hole locations in the rail.**



8 **Measure as shown for the next vertical jamb.**

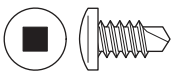


9 **Select correct jamb. Measure and cut jamb to ceiling height minus 1/8".**
Important: Cut off top, non-machined end, of jamb. The bottom end of the jamb is the machined end.

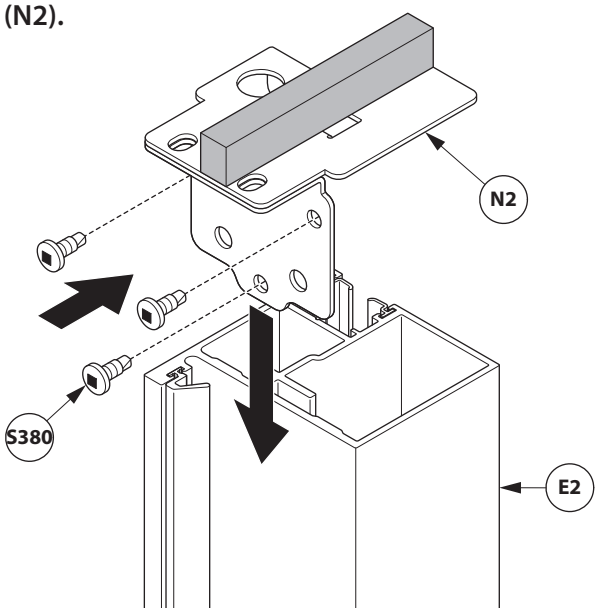


10 Attach jamb bracket (N2).

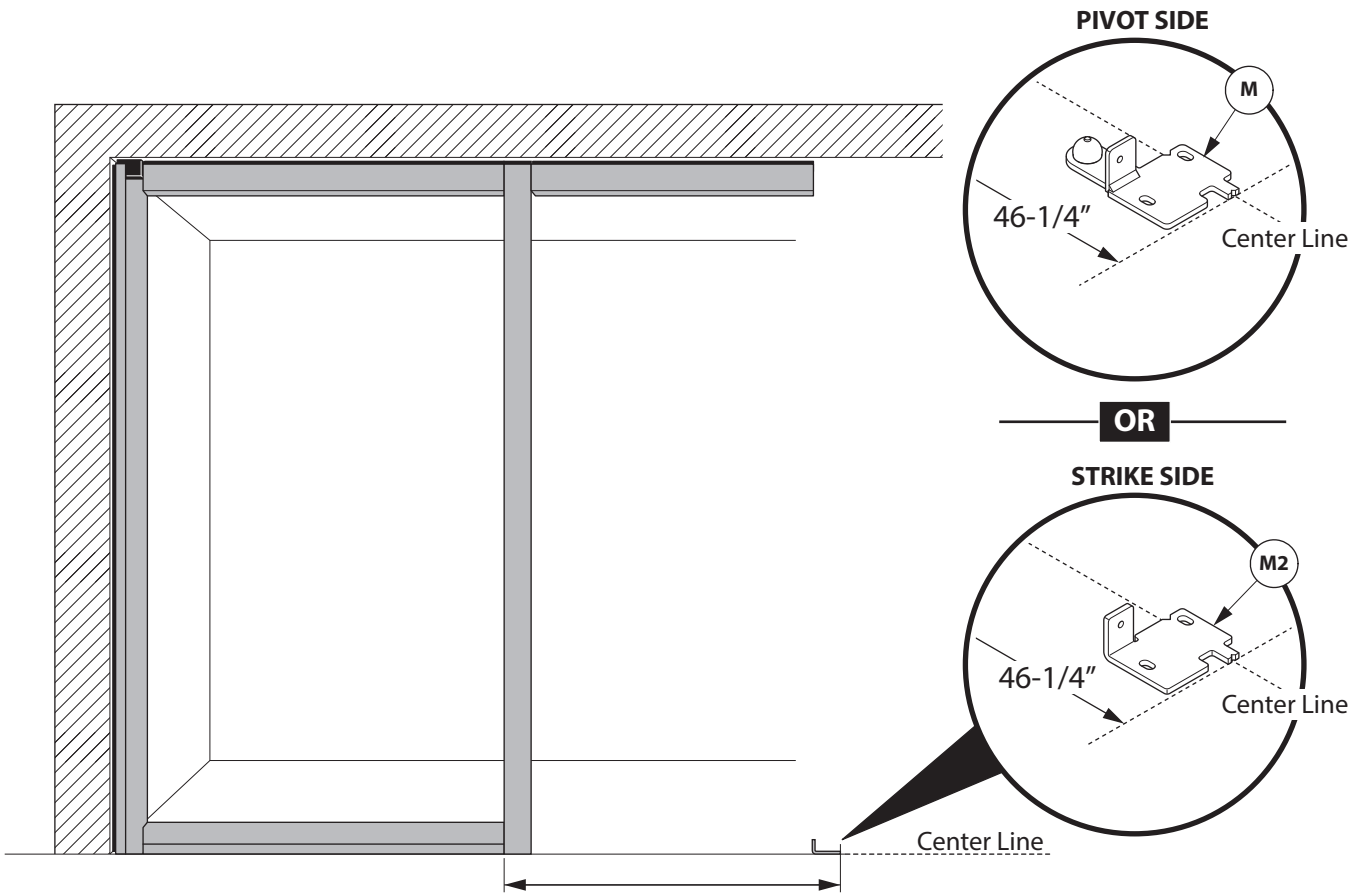
(S380)



#8 x 7/16" Truss Head
Self Drilling Screw

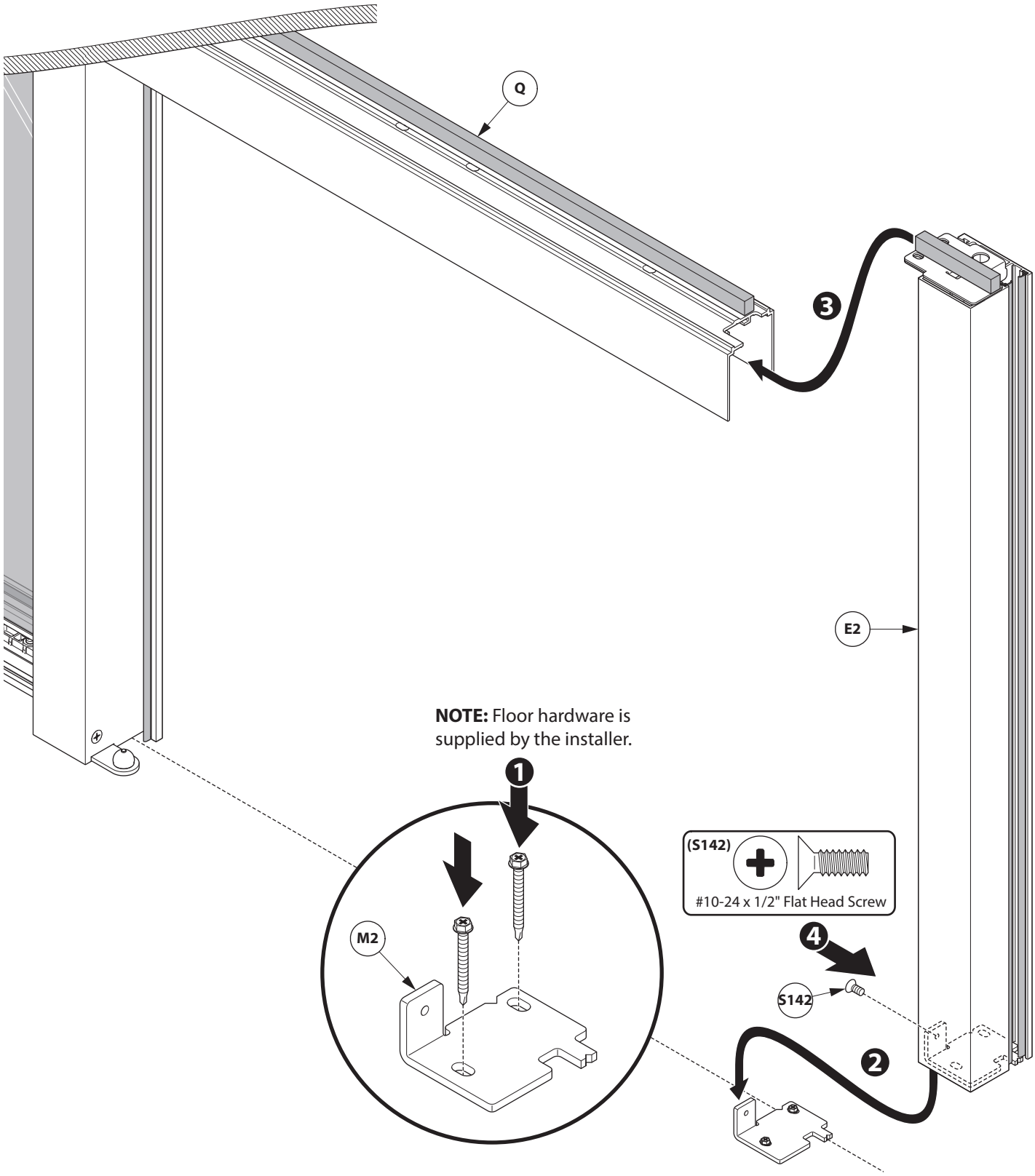


11 Locate bottom jamb bracket (M or M2).

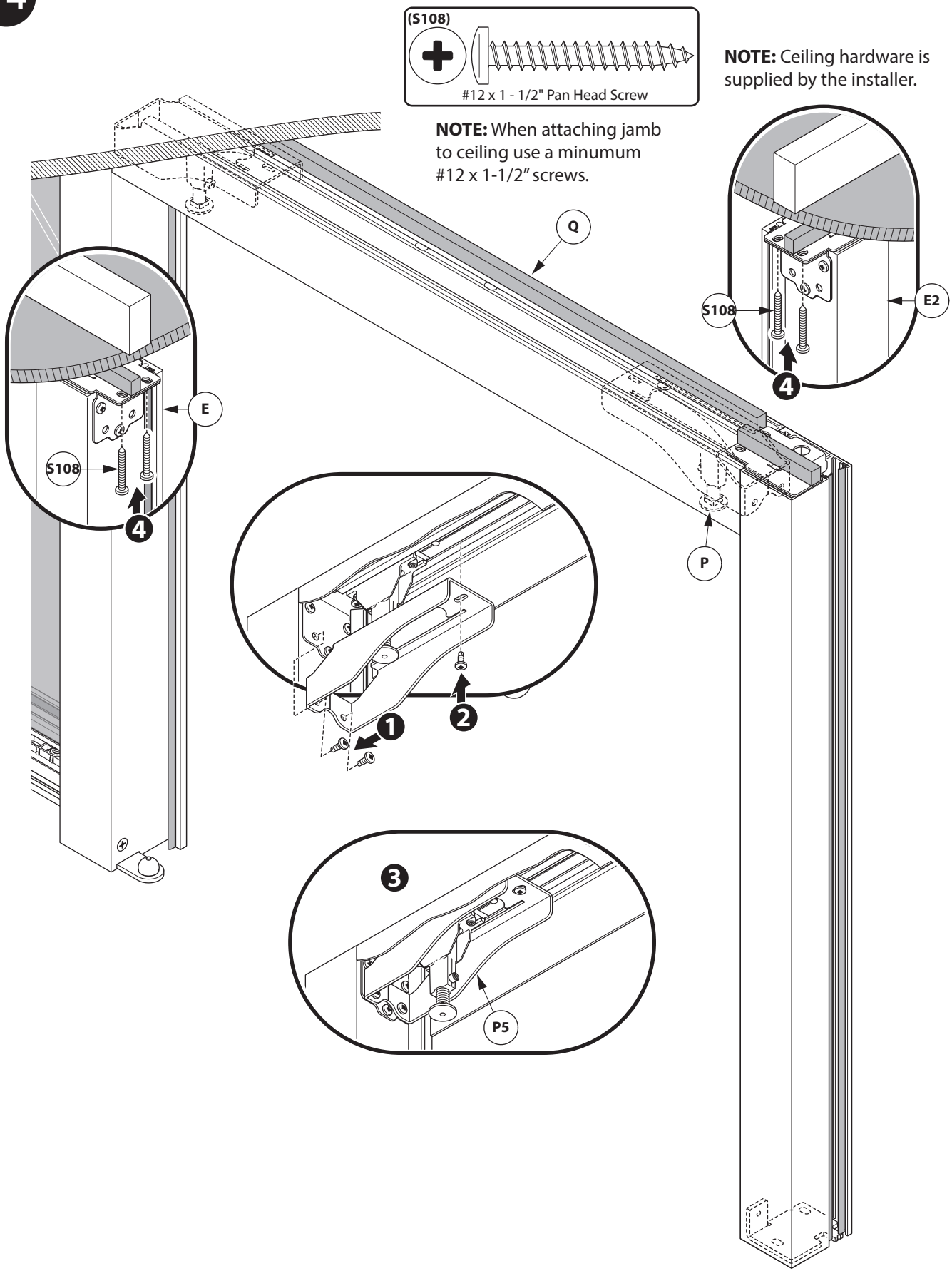


12 **Pre-drill floor for anchor screws (not provided). Re-position floor bracket (M) and anchor to floor (screws not provided).**

13 **Position bottom of jamb (E2) over bottom floor bracket (M2) and then position top of jamb (E2) in place against door header (Q), compressing top foam against ceiling.**

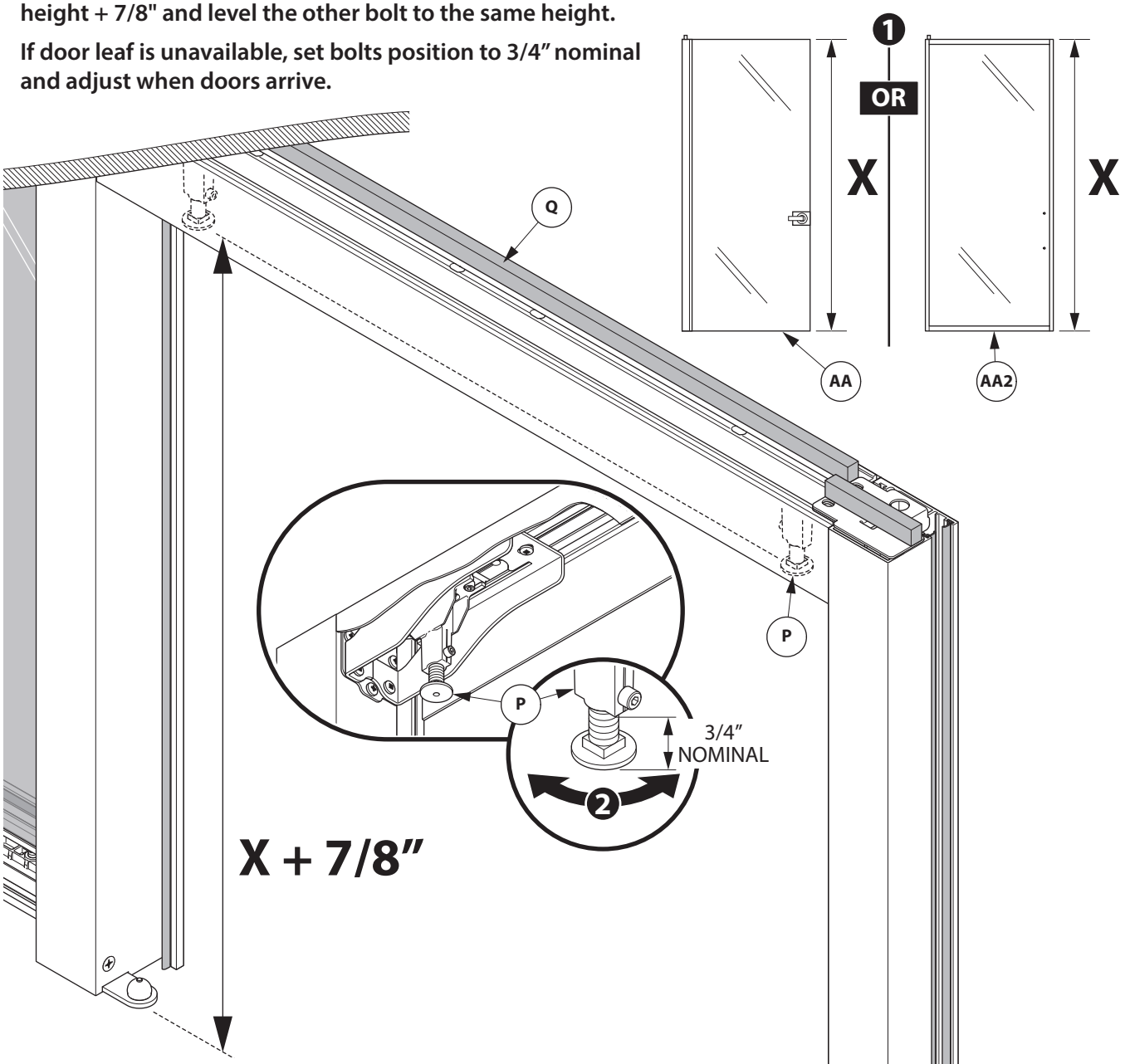


14 Secure top of jambs (E & E2) and install brace brackets (P5) as shown.

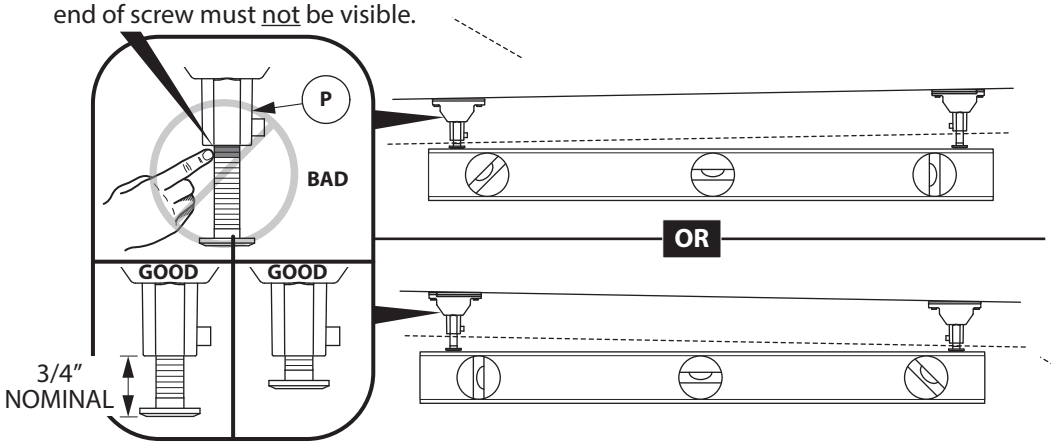


15 **Measure height of door leaf (AA) or (AA2). Adjust header mount bolts so distance from floor to bolt head is door leaf height + 7/8". Important: If floor is uneven, adjust bolt on high side of floor to door leaf height + 7/8" and level the other bolt to the same height.**

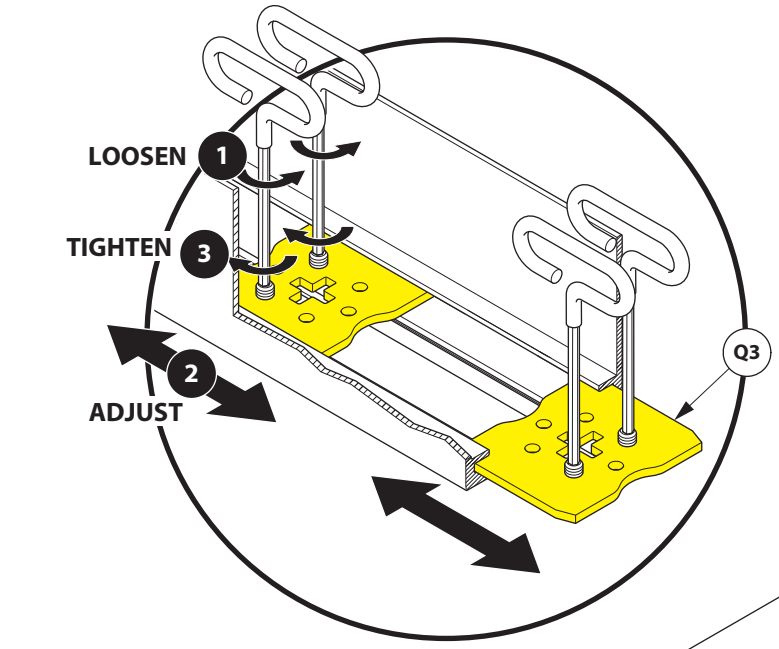
If door leaf is unavailable, set bolts position to 3/4" nominal and adjust when doors arrive.



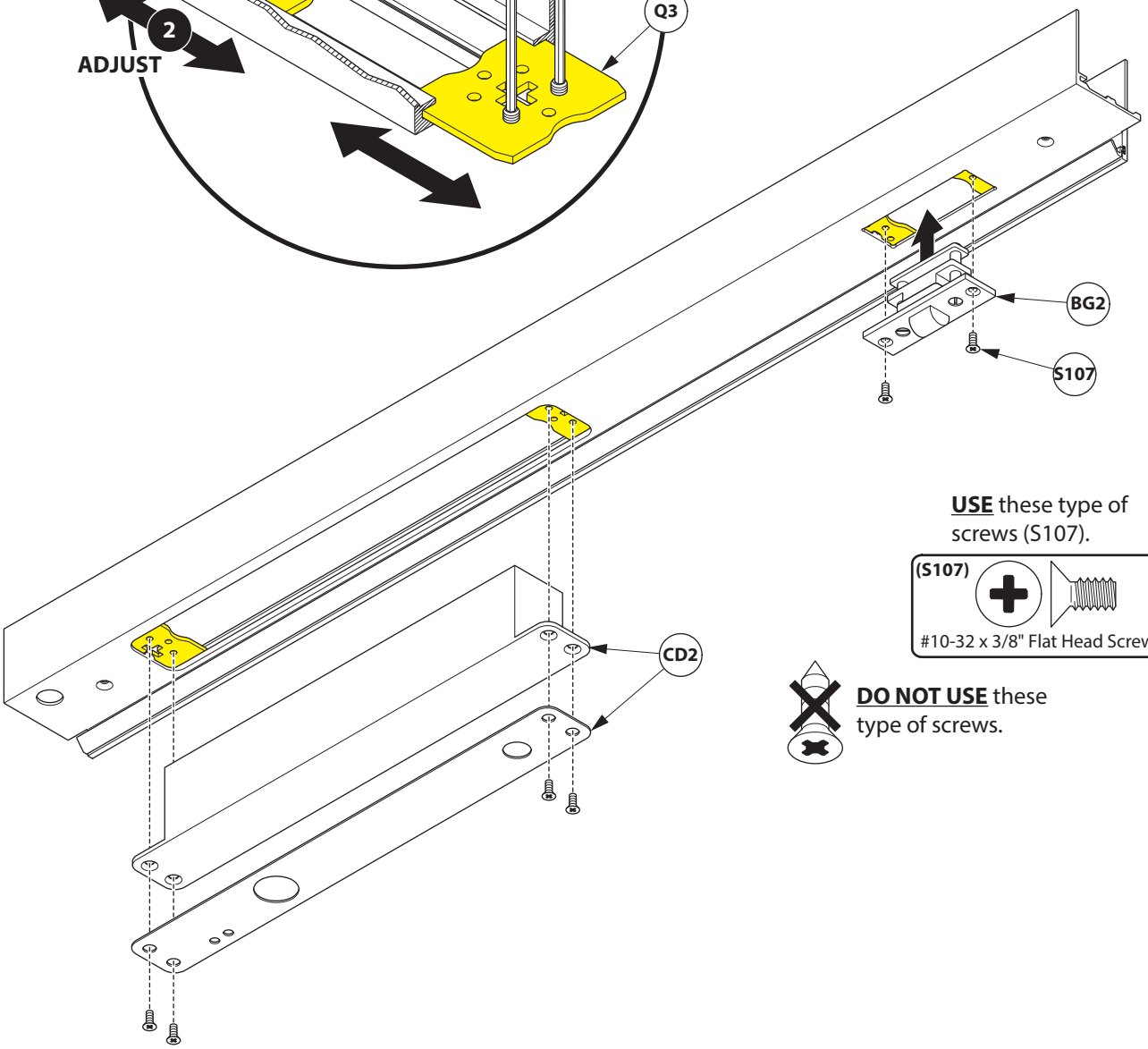
NOTE: The paint "indicator" at the end of screw must not be visible.



16 Install closer (CD2) and roller catch (BG2) into header (Q2), make adjustments to the plates (Q3) as shown.



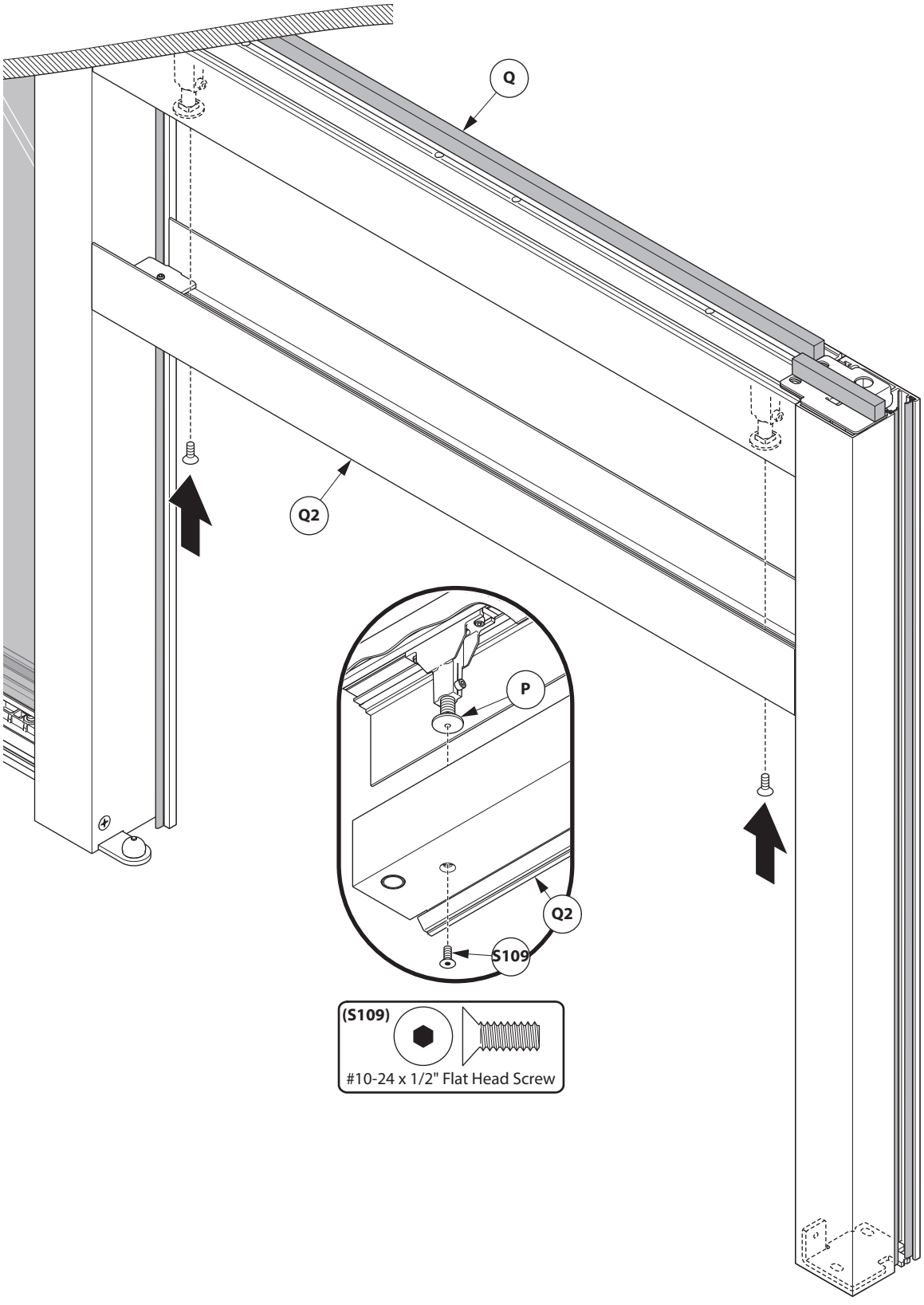
NOTE: Use the additional screws (S107) when installing rolling catch (BG2). **DO NOT USE** the wood screws that come with the roller catch (BG2) kit.



USE these type of screws (S107).

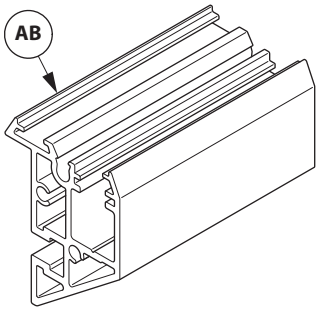
DO NOT USE these type of screws.

17 **Place adjustable header rail (Q2) between jambs and slide upward to nest into fixed header (Q). Attach to fixed header mounts (P) with 10-24 x 1/2" flat head screws (S109) (provided).**

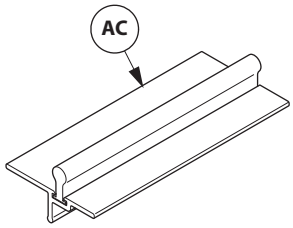


Pivot Door Leaf

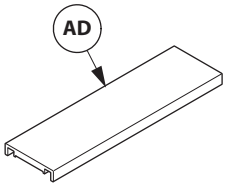
5.3 COMPONENTS



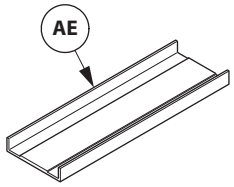
PIVOT HINGE BODY
(Glass)



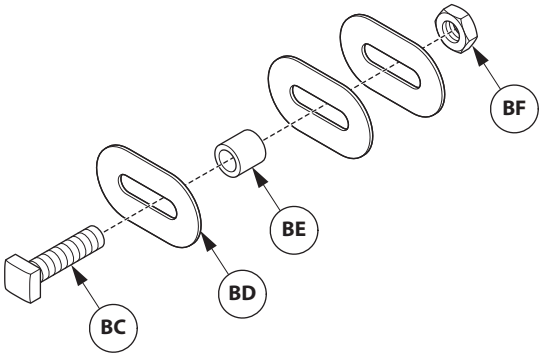
HINGE COVER
(Glass & Wood)



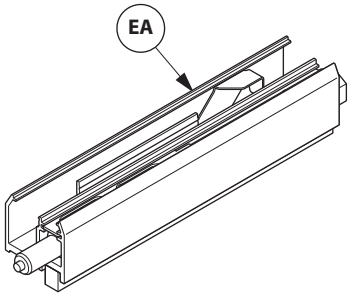
HINGE MOUNT RAIL
(Glass)



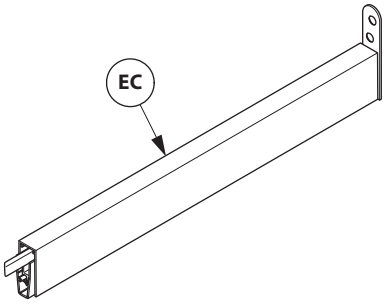
HINGE MOUNT COVER
(Glass)



MOUNTING HARDWARE
(Glass)



PIVOT HINGE BODY
(Wood)

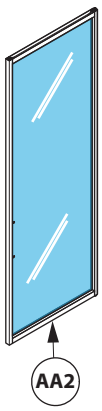


DROP SEAL
(Wood)

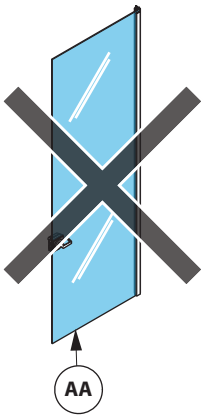
FOR FRAMED SINGLE GLAZE DOORS

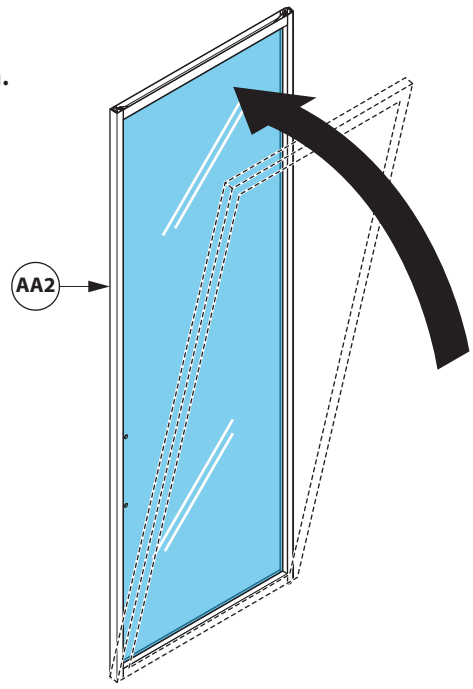
18 **Set the door upright, letting the glass settle to the bottom.**

FRAMED SINGLE GLAZED DOOR



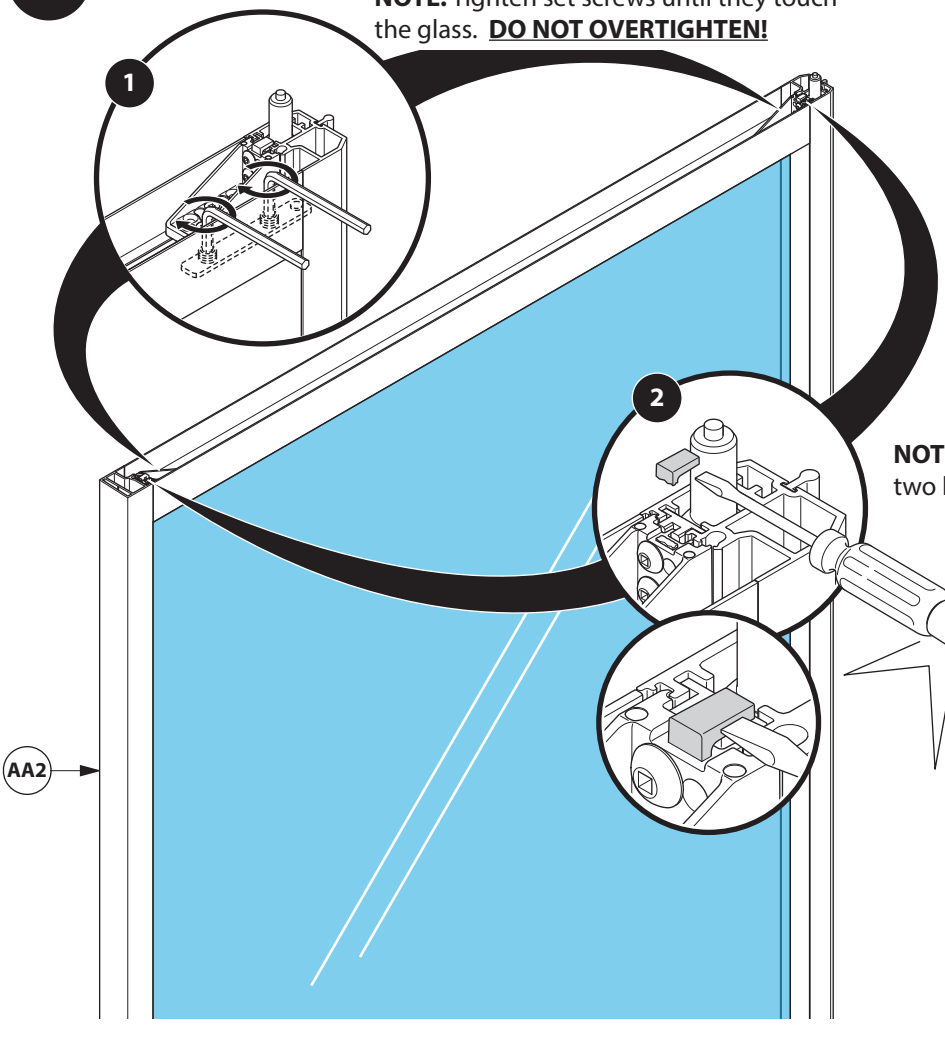
GLASS SLAB DOOR





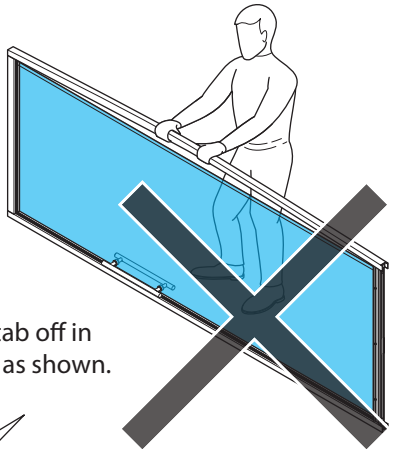
19 Tighten set screws.

NOTE: Tighten set screws until they touch the glass. **DO NOT OVERTIGHTEN!**

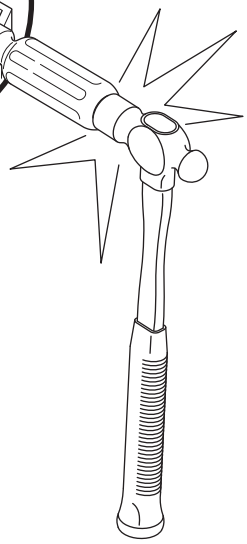


Important

Do not lift door by the frame. Use suction cups to lift door.



NOTE: Break tab off in two locations as shown.

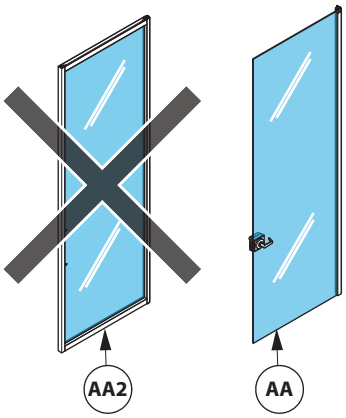


FOR GLASS SLAB DOORS

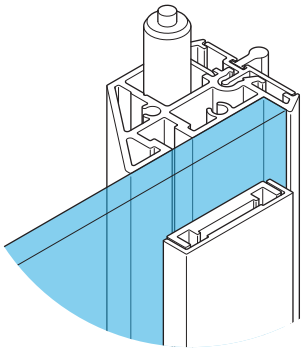
20 Determine Right Hand or Left Hand swing.

FRAMED SINGLE GLAZED DOOR

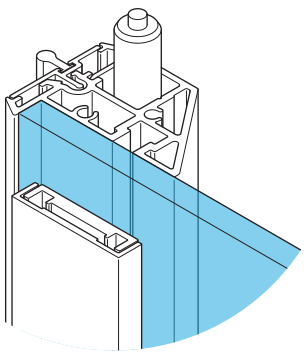
GLASS SLAB DOOR



Right Hand/Left hand reverse

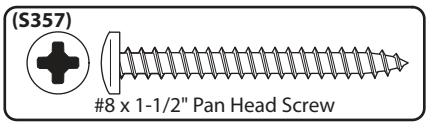


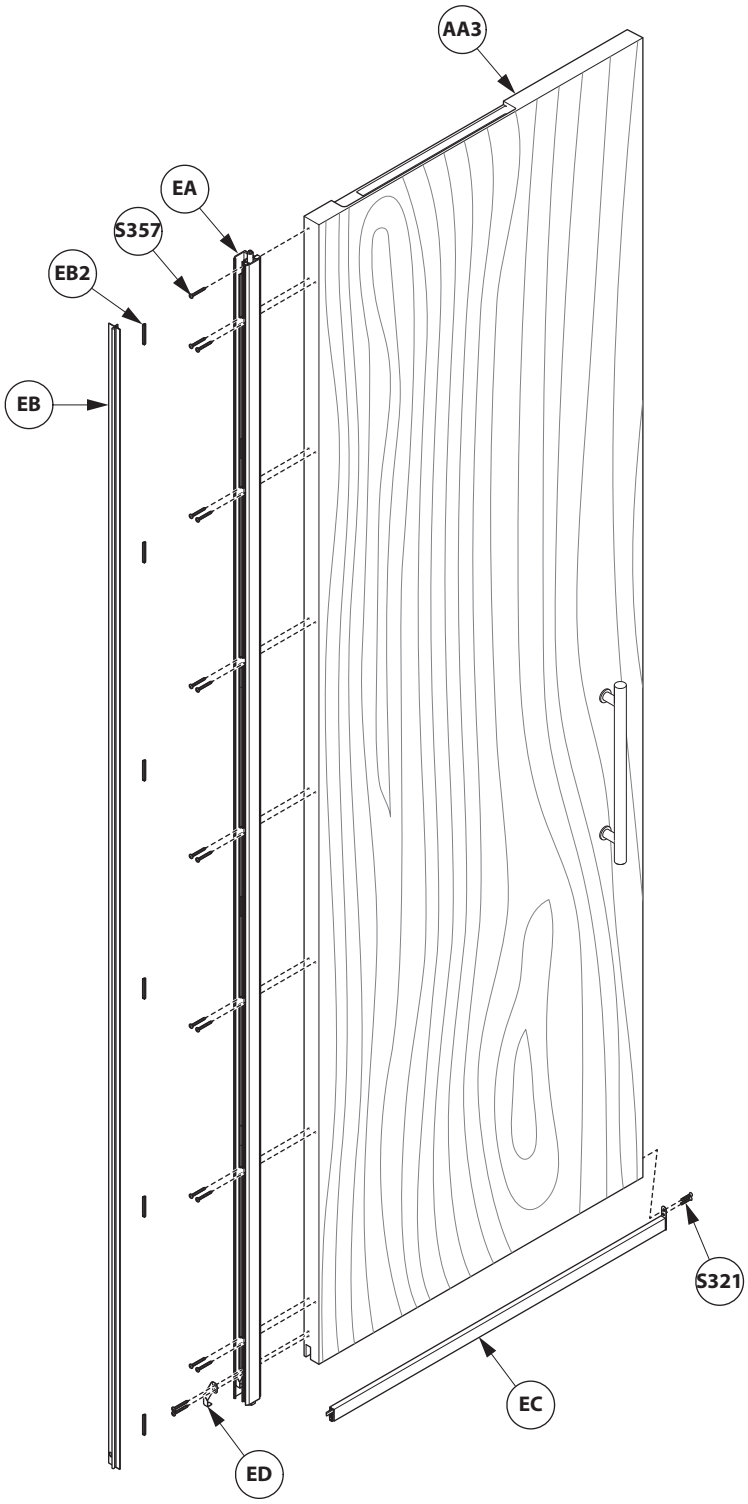
Left Hand/Right hand reverse

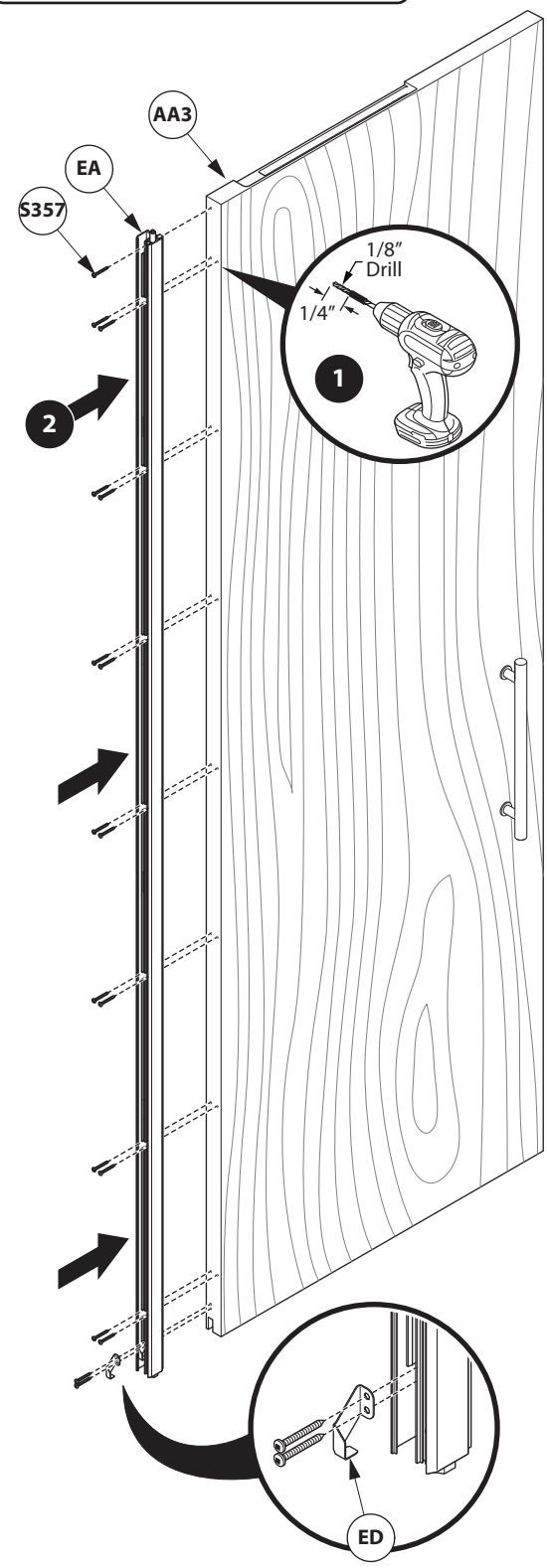


FOR WOOD DOORS

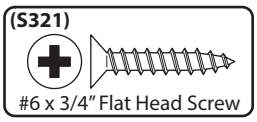
21 Install pivot rail (EA) as shown.





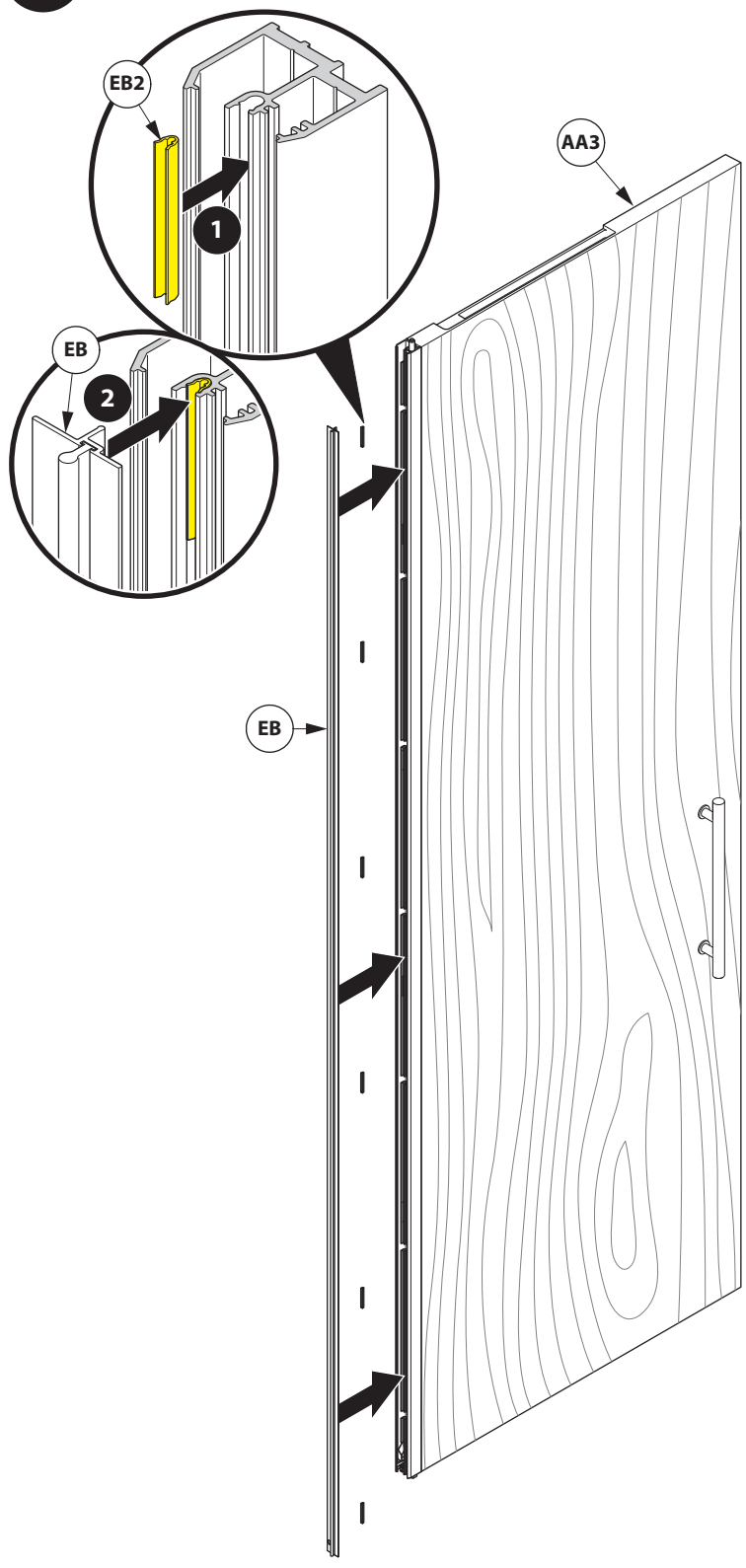


22 Install drop seal (EC) as shown.



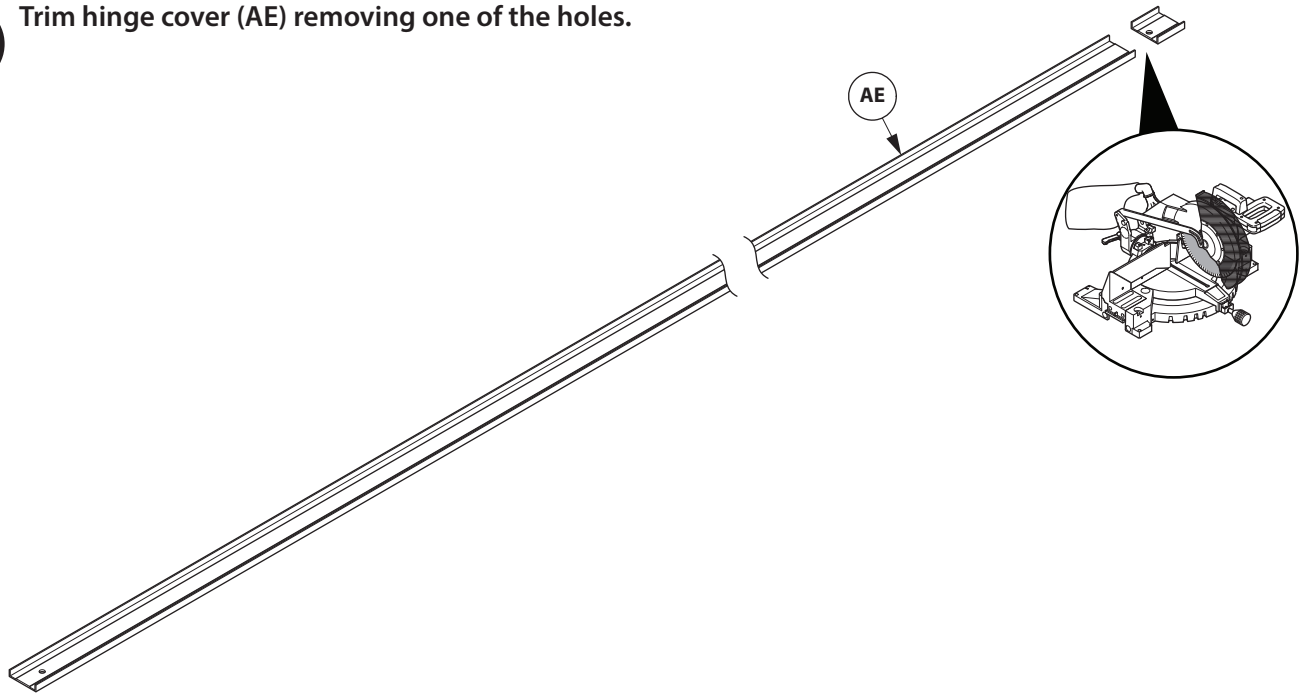


23 Install pivot rail cover (EB) as shown.

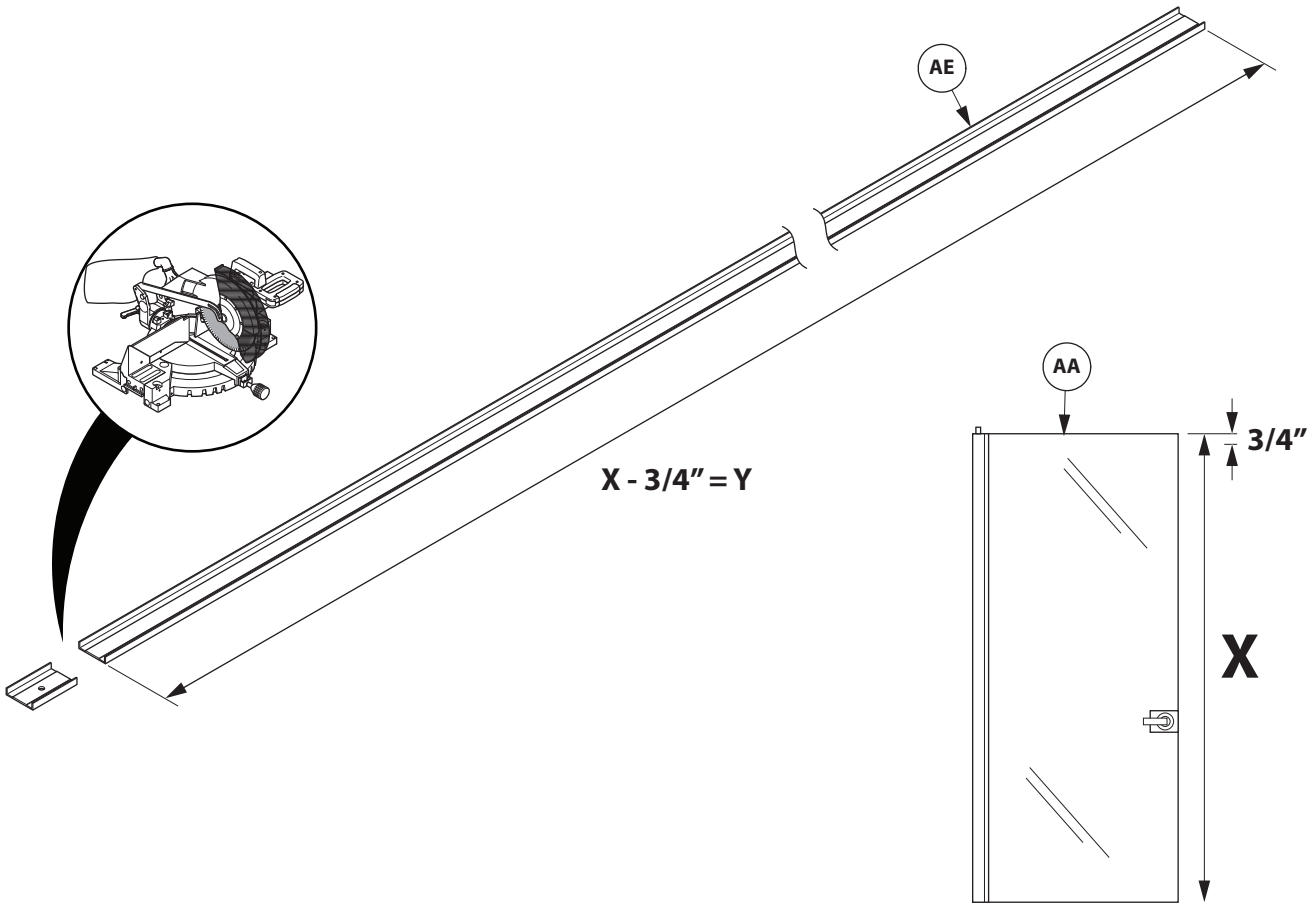


FOR GLASS SLAB DOORS

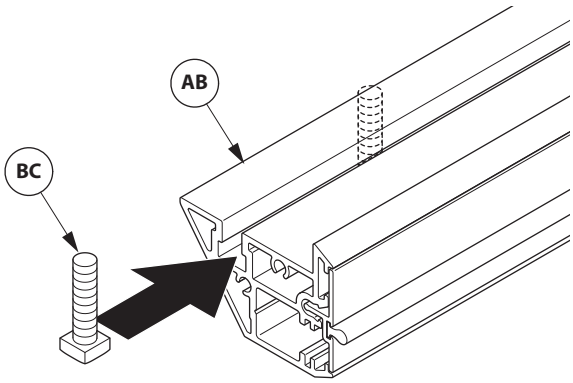
24 **Trim hinge cover (AE) removing one of the holes.**



25 **Mount cover (AE) to door leaf (AA) height - 3/4".**

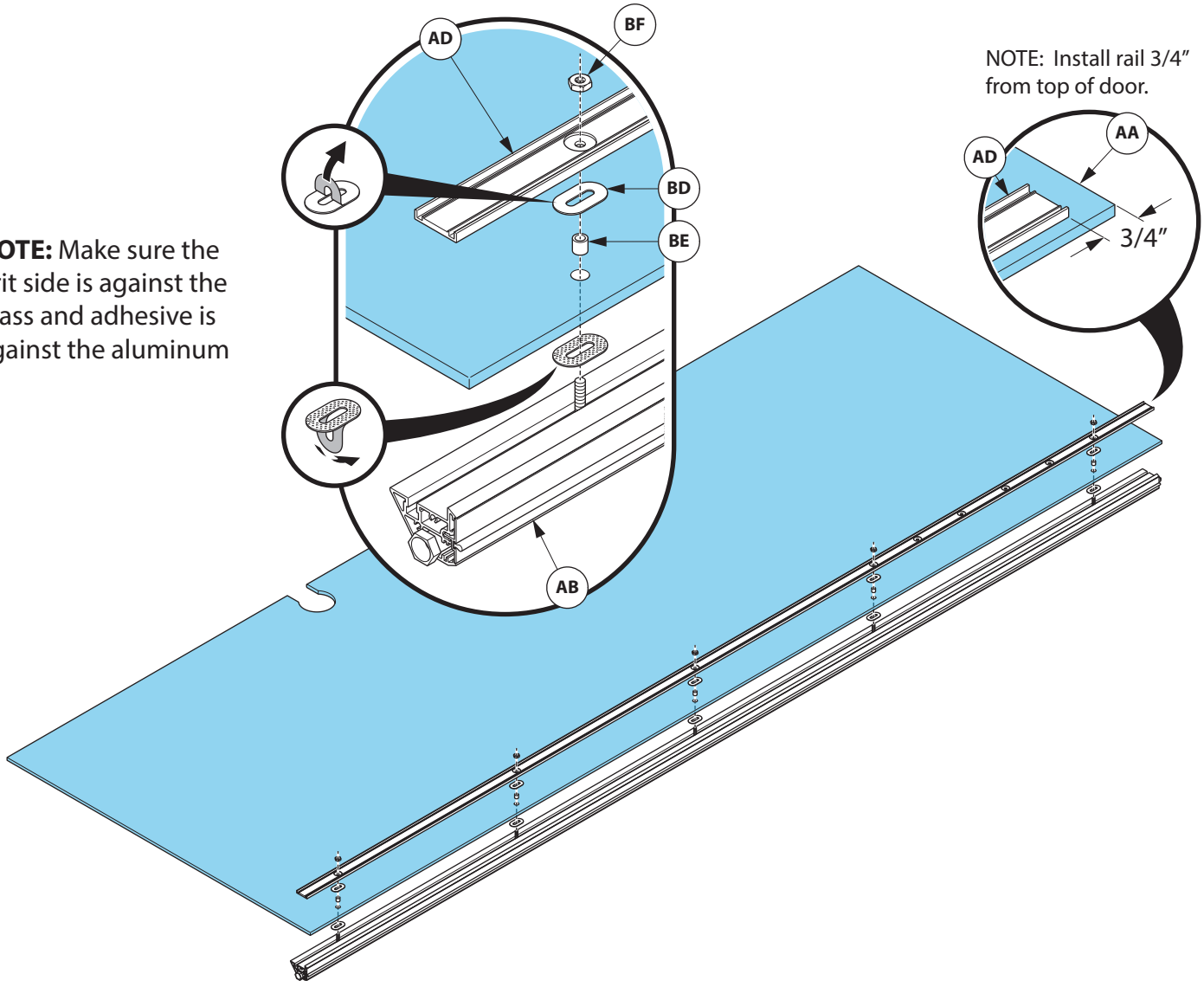


26 Install square head bolts (BC) into hinge body (AB) to align with holes in glass slab (AA).

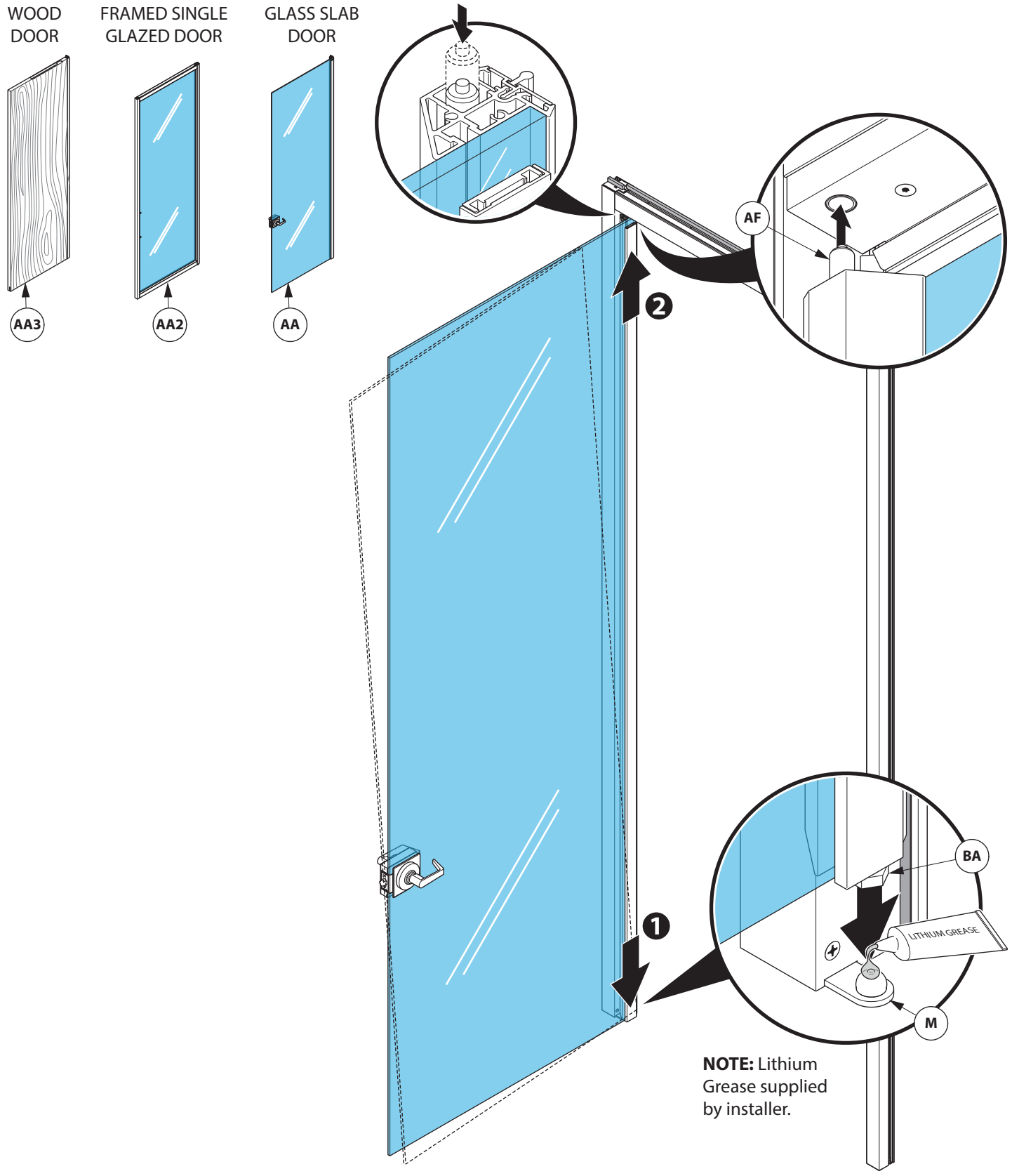


27 Assemble emery pads (BD), bushing (BE), mount rail (AB) and nut (BF) at each bolt location as shown.

NOTE: Make sure the grit side is against the glass and adhesive is against the aluminum

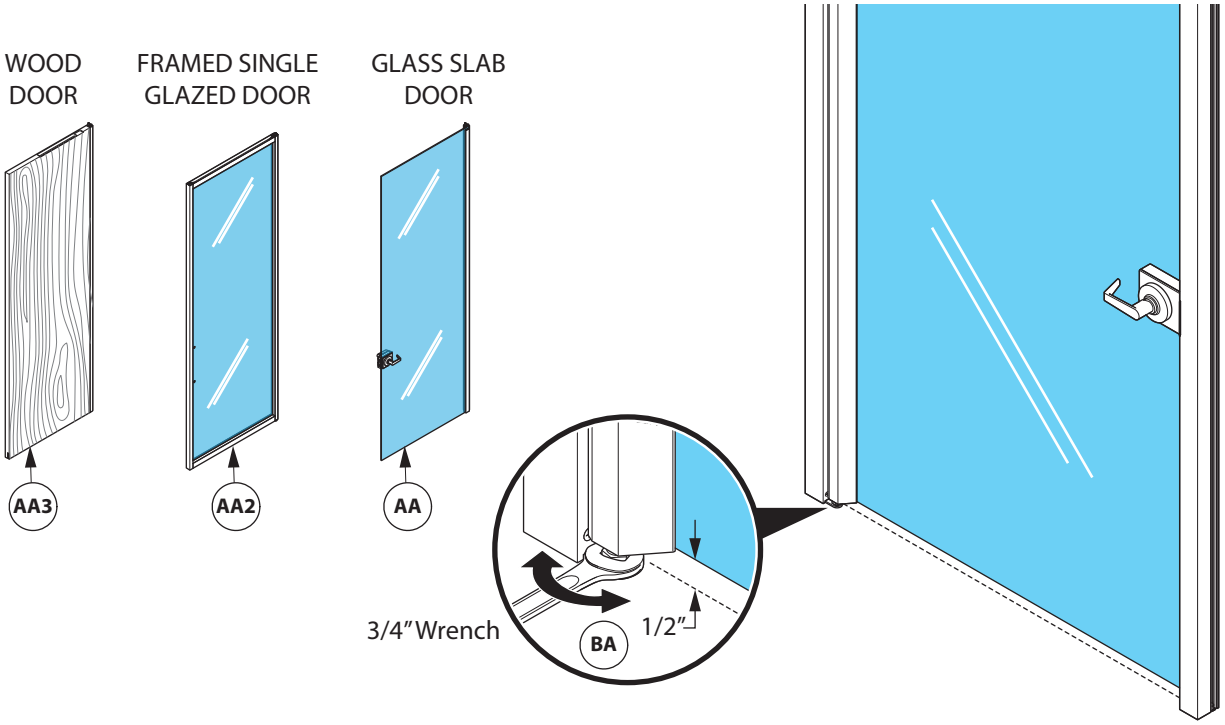


28 **Install door leaf (AA or AA2) by setting pivot leveler stem (BA) onto bottom pivot first. Then compress top pivot pin (AF) into hinge body (AB), tip door into place under header to align pin (AF) and header pivot bushing, then release pivot pin (AF) to engage in header.**

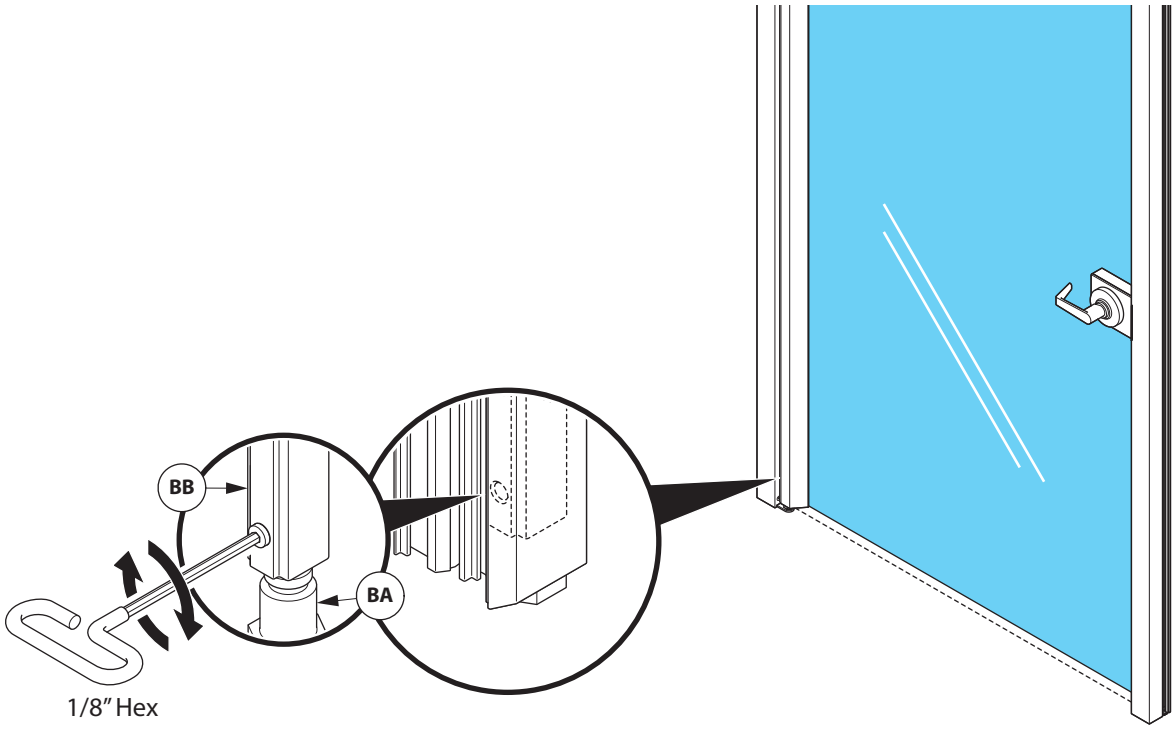


NOTE: Lithium Grease supplied by installer.

29 Use 3/4" wrench to adjust leveler stem (BA) until door bottom is 1/2" above highest point of floor.

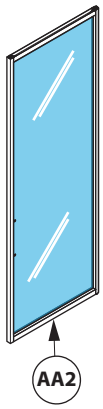


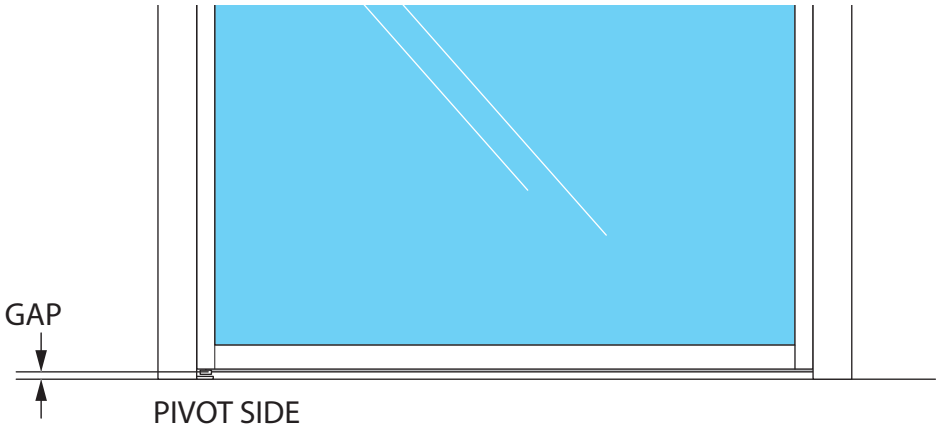
30 Tighten the top pivot pin set screw (AF) and the bottom leveler stem set screw (BA) to lock the components in place.

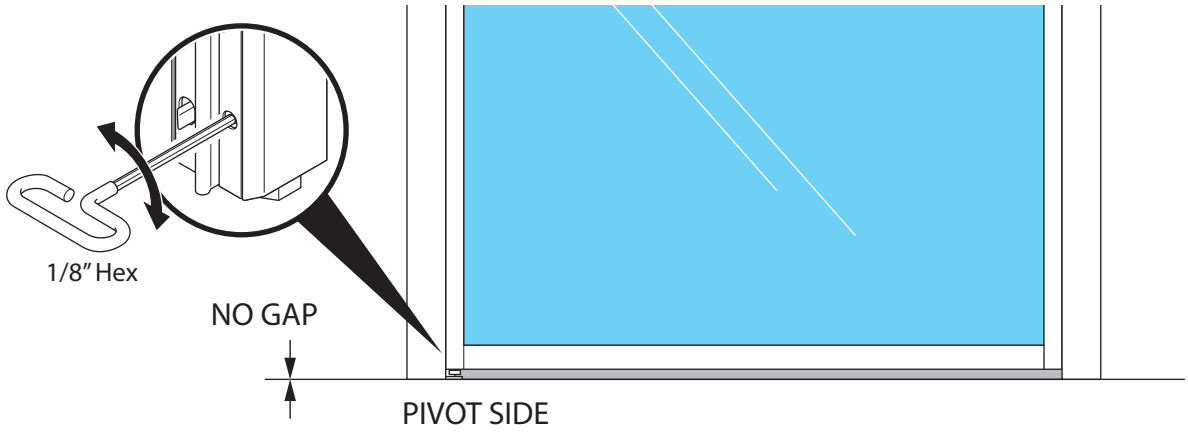


31 **Open door and adjust drop seal with 3mm hex tool as shown.**

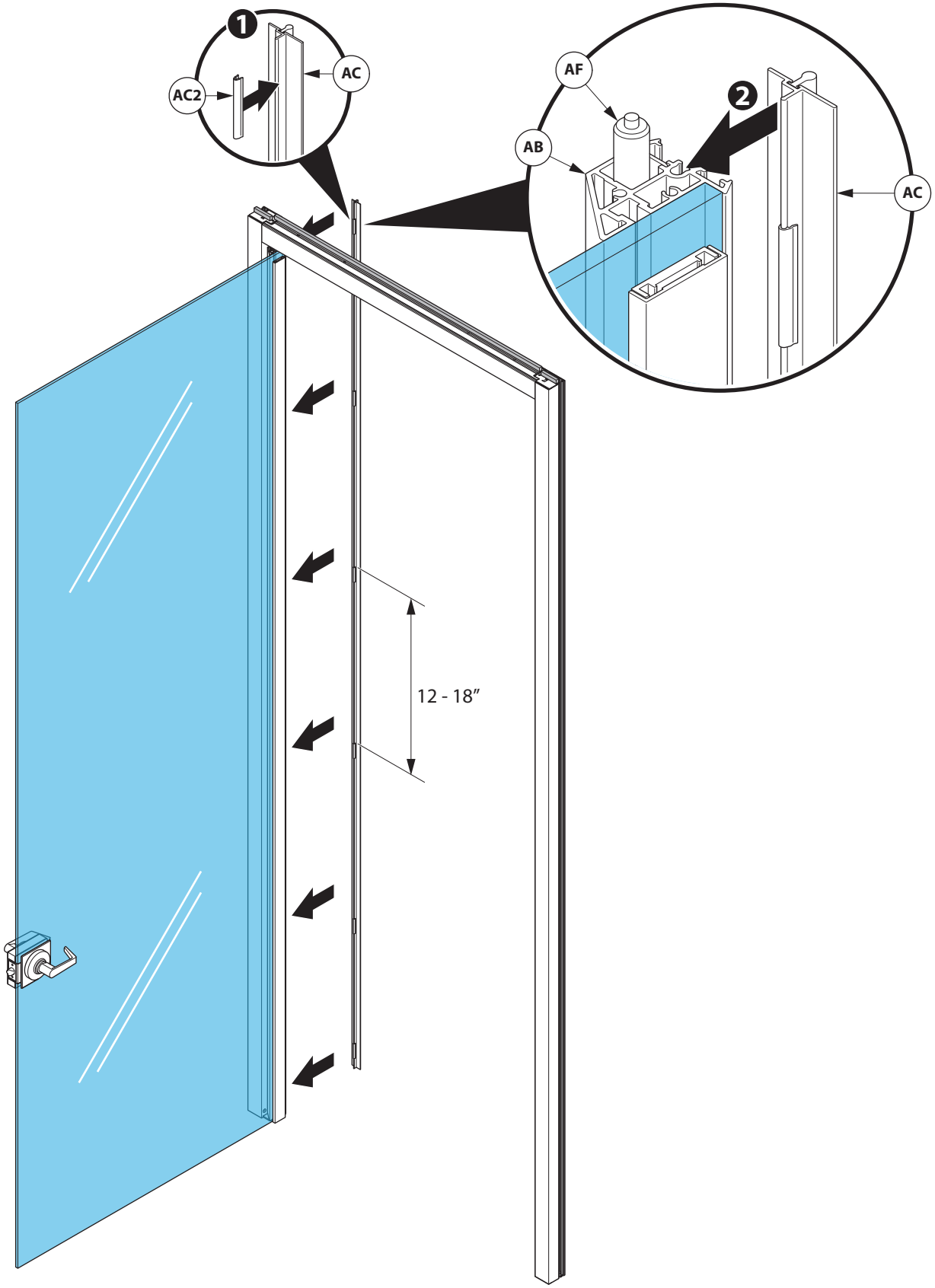
FRAMED SINGLE
GLAZED DOOR



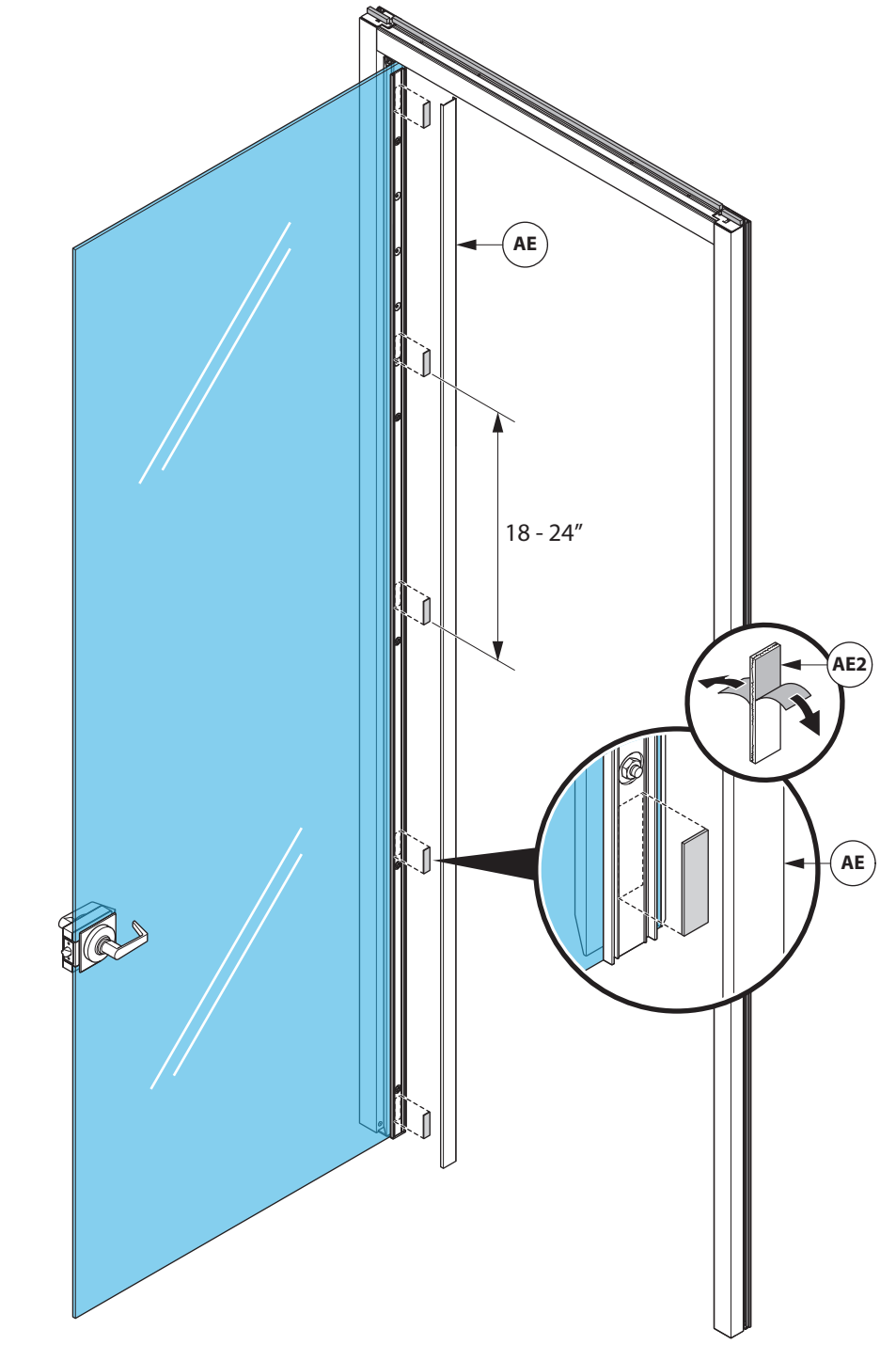


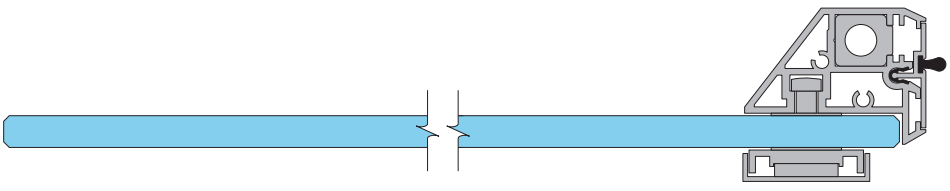


32 Install the hinge cover.



33 **Adhere Dual-Lock fastener strips (AE2) up height of pivot mount rail every 18-24". Align mount cover (AE) to top or bottom of mount rail and press to adhere to Dual-Lock strips (AE2).**

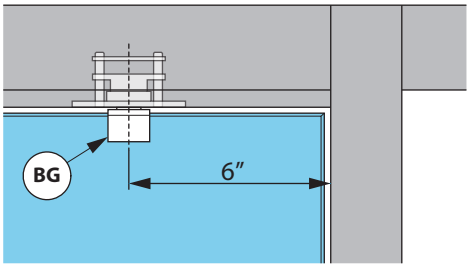




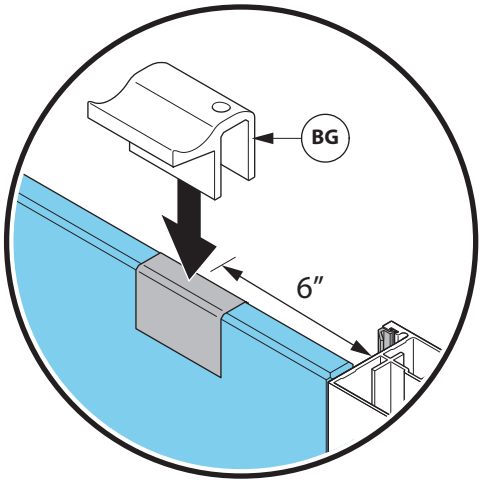
TOP VIEW

34 Install door catch (BG)

NOTE: Must align with the catch.

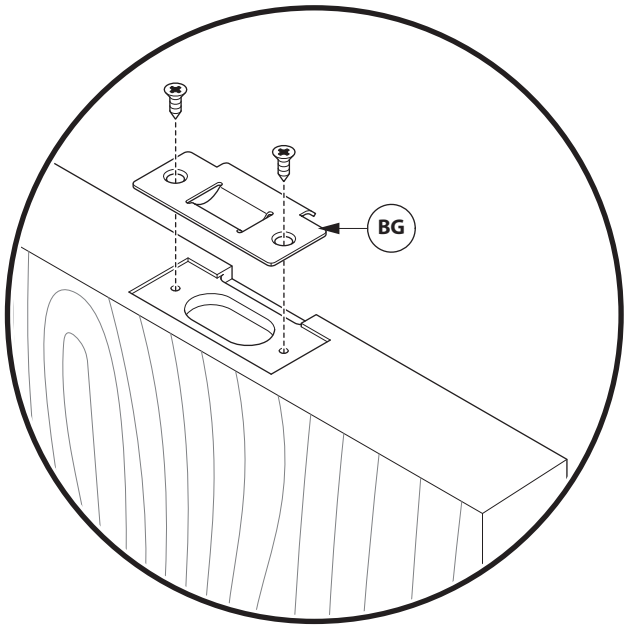


Glass Slab Door

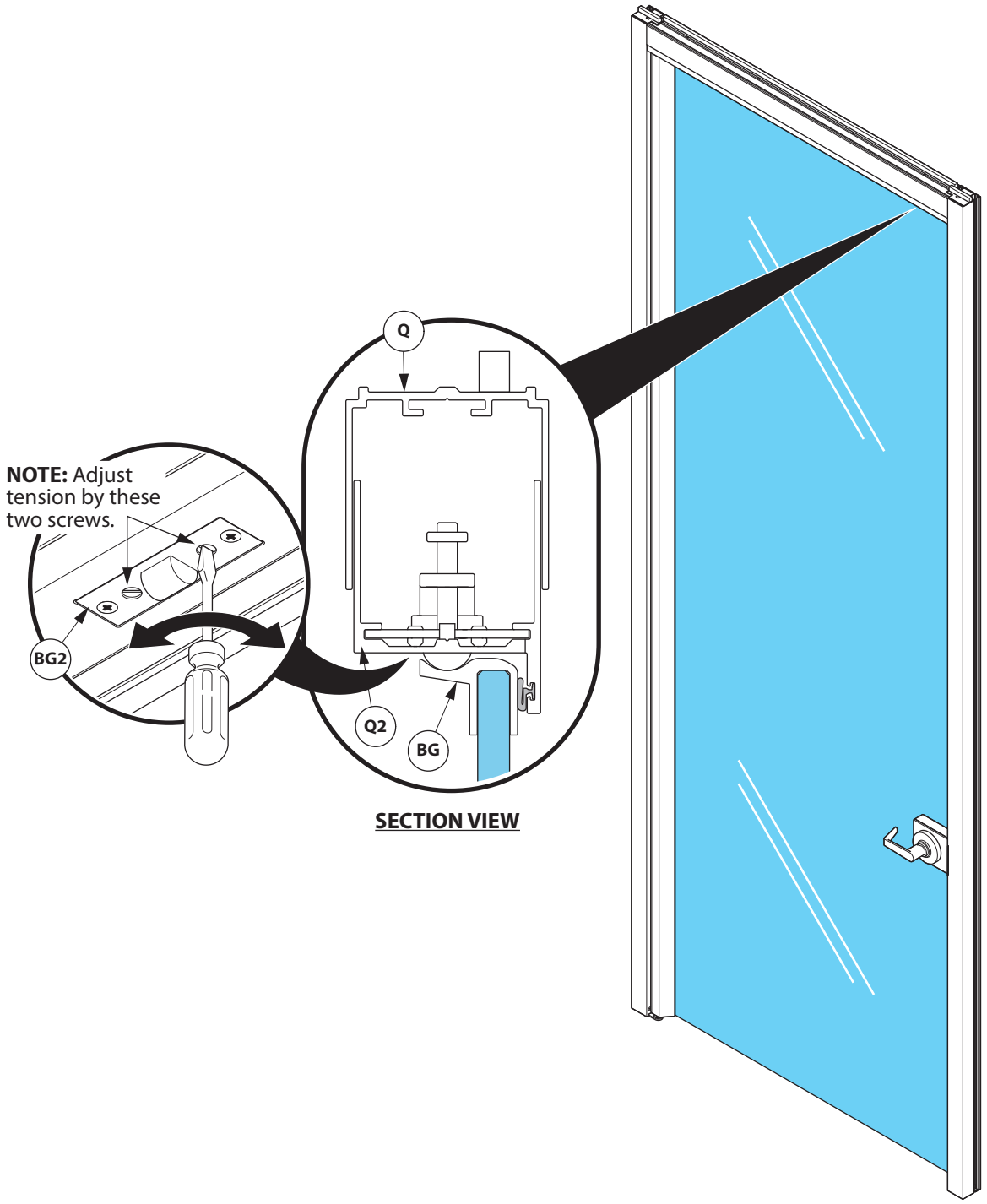


OR

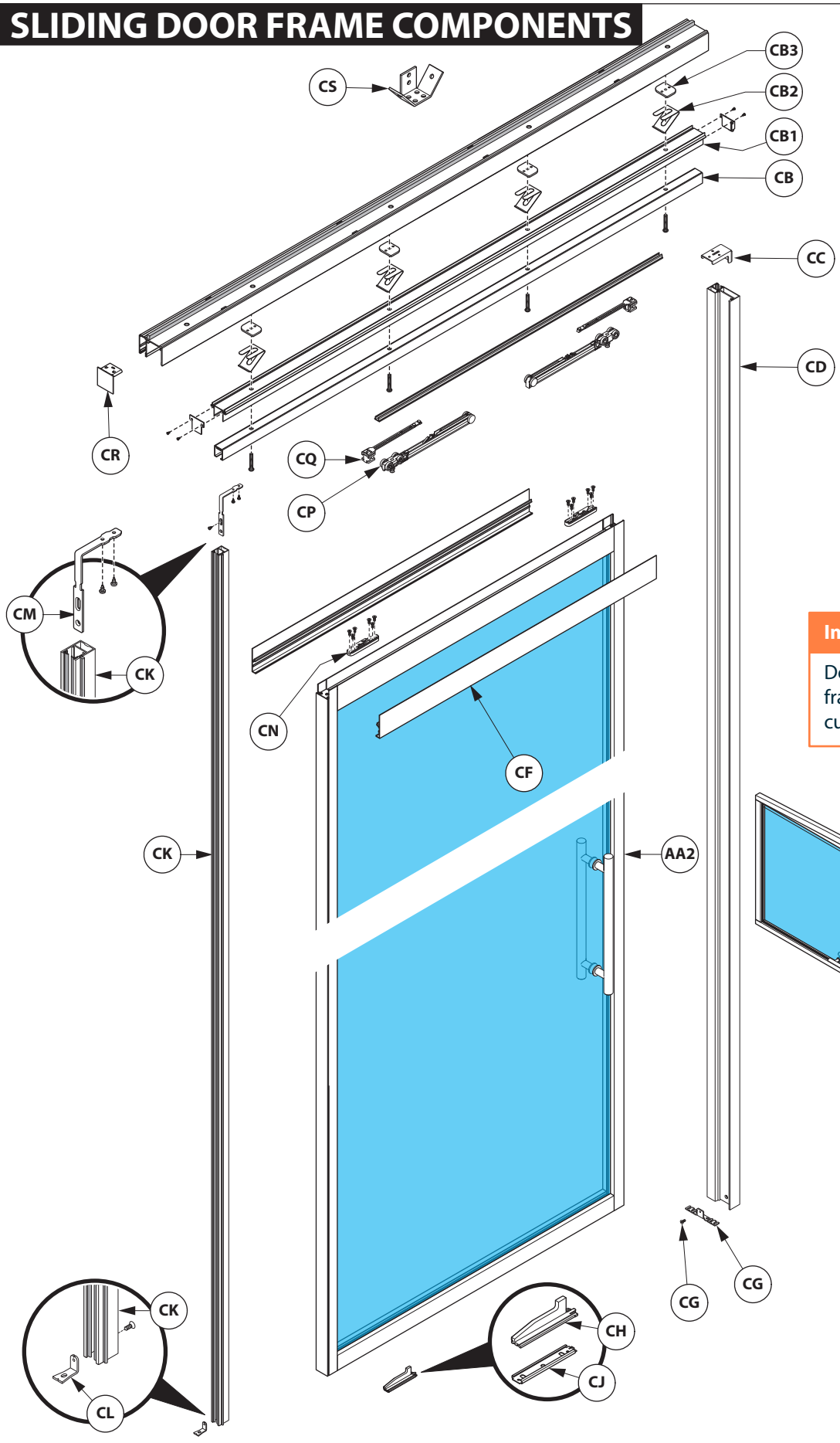
Wood Door



35 Adjust roller catch (BG2) tension

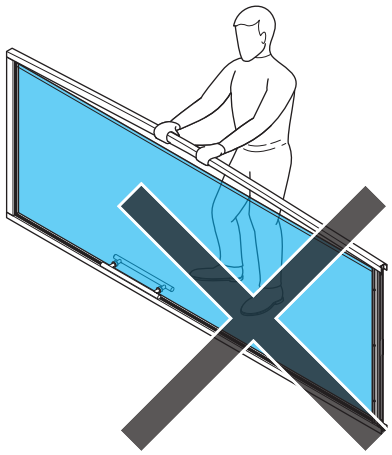


9.1 SLIDING DOOR FRAME COMPONENTS

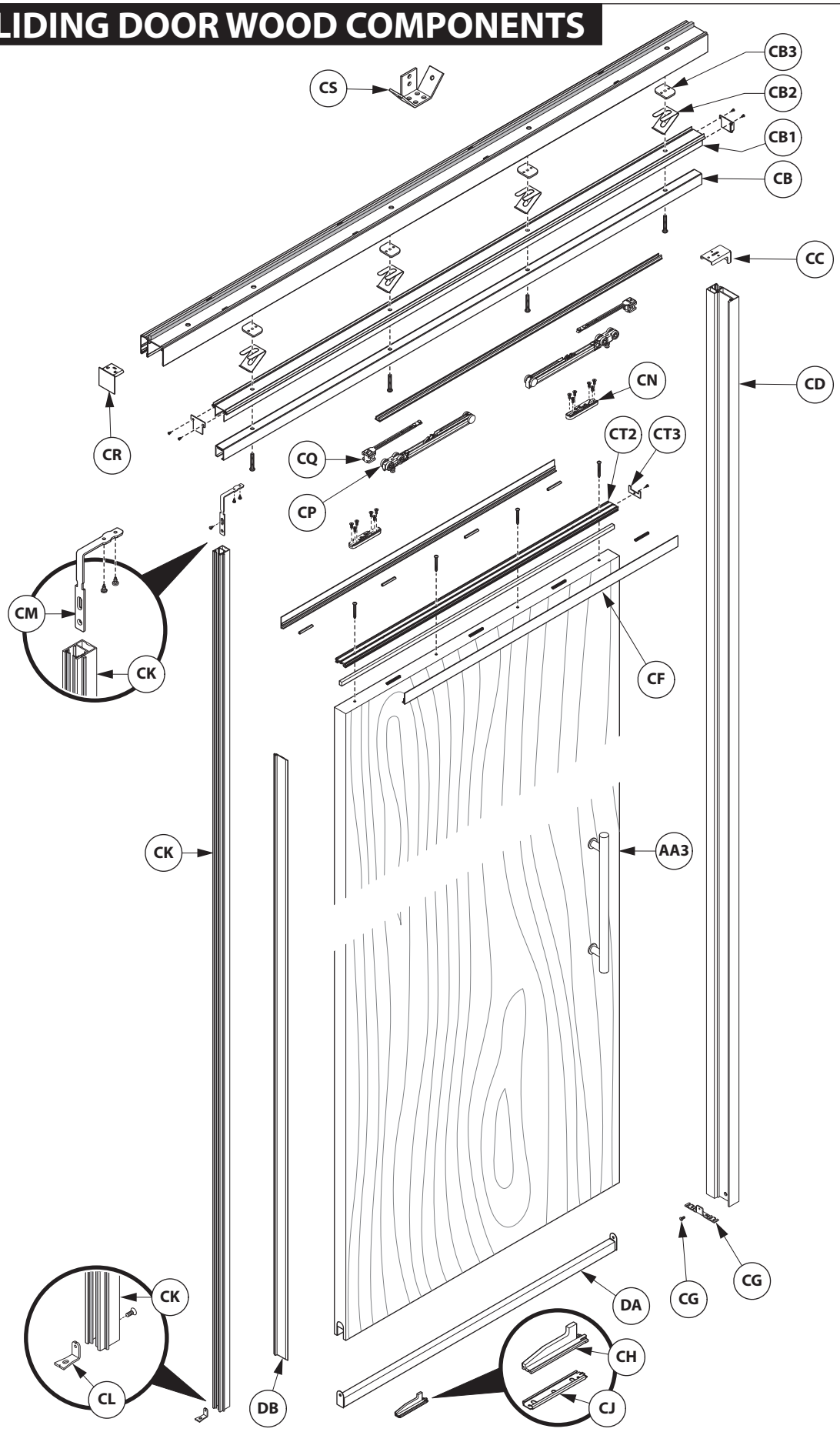


Important

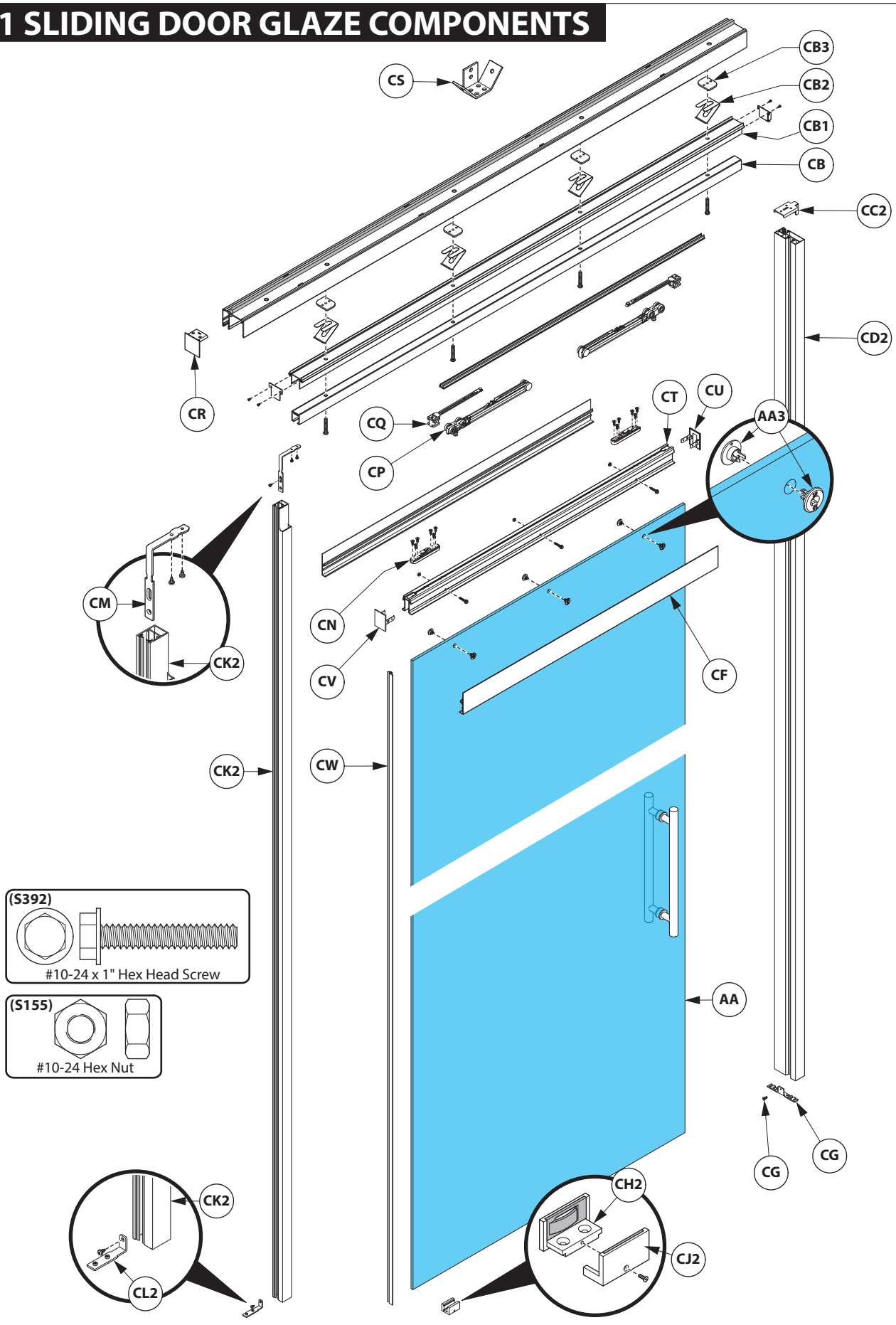
Do not lift door by the frame. Use suction cups to lift door.



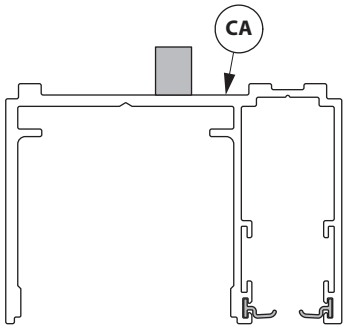
9.1 SLIDING DOOR WOOD COMPONENTS



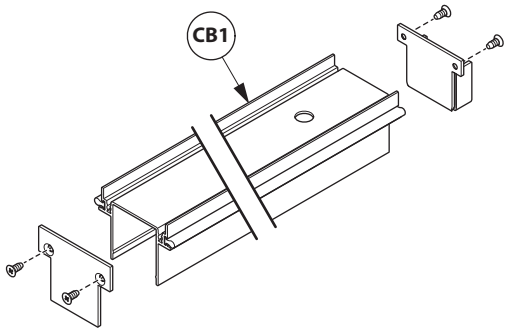
9.1 SLIDING DOOR GLAZE COMPONENTS



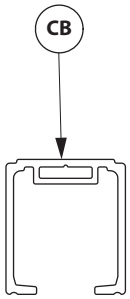
9.1 SLIDING DOOR FRAME COMPONENTS



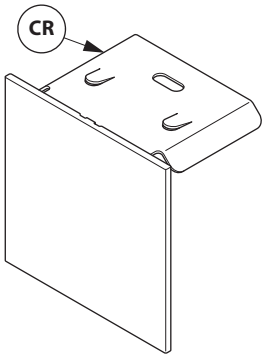
HEADER RAIL



CASSETTE

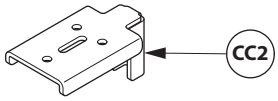


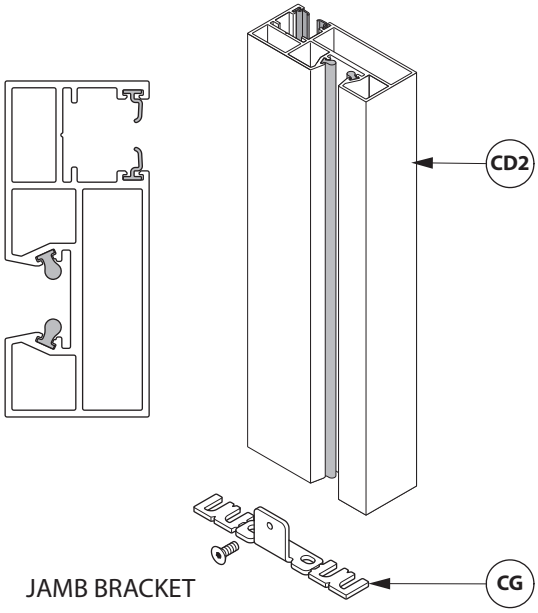
TRACK



HEADER CAP

JAMB BRACKET

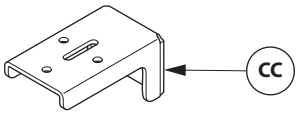


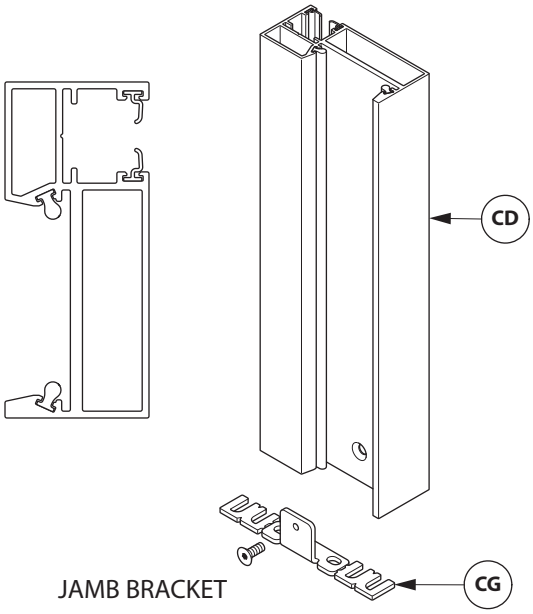


JAMB BRACKET

GLASS SLAB
STRIKE JAMB

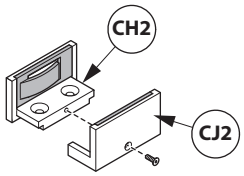
JAMB BRACKET



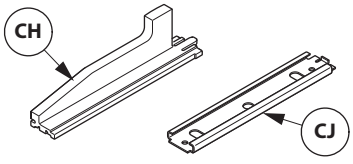


JAMB BRACKET

FRAMED SINGLE GLAZED/WOOD
STRIKE JAMB

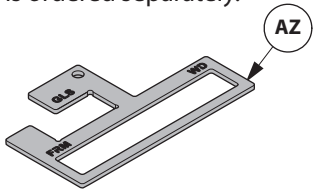


GLASS SLAB
GUIDE

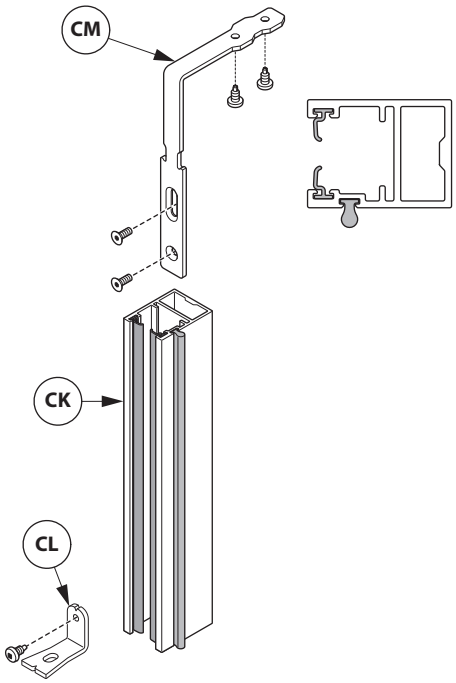


FRAMED SINGLE GLAZED
GUIDE

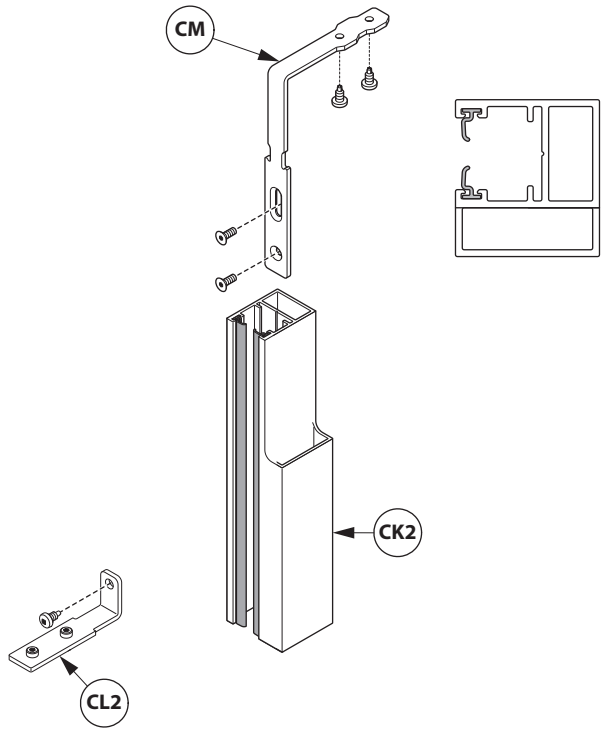
NOTE: Alignment bracket (AZ) is ordered separately.



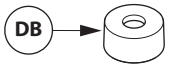
9.2 SLIDING DOOR FRAME



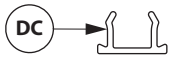
BYPASS JAMB
Framed Single Glaze/Wood



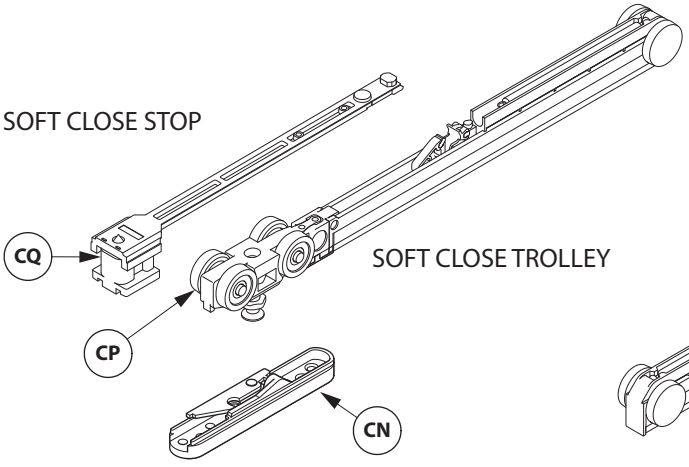
BYPASS JAMB
Glass Slab



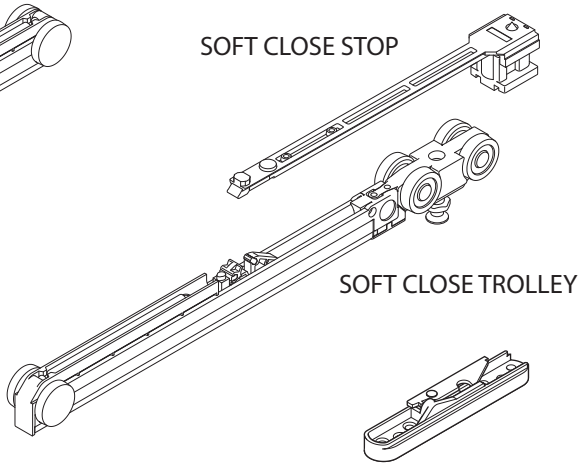
SCREW BUMPER



CHANNEL CAP

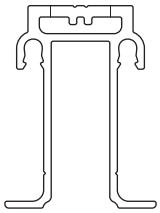


SOFT CLOSE BRACKET

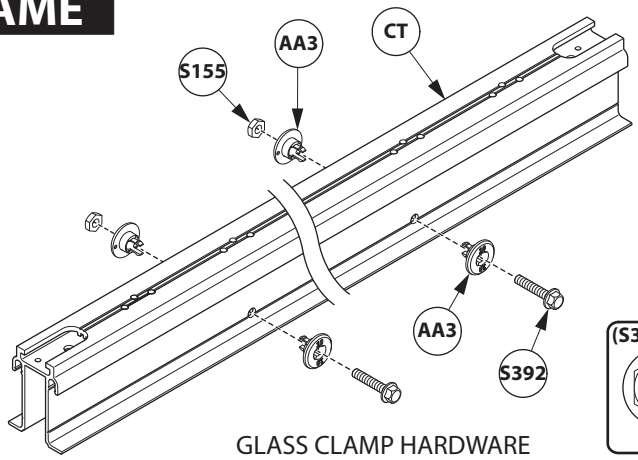


SOFT CLOSE BRACKET

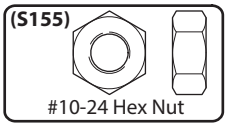
6.3 SLIDING DOOR FRAME

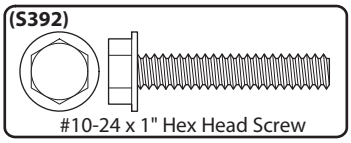


GLASS CLAMP



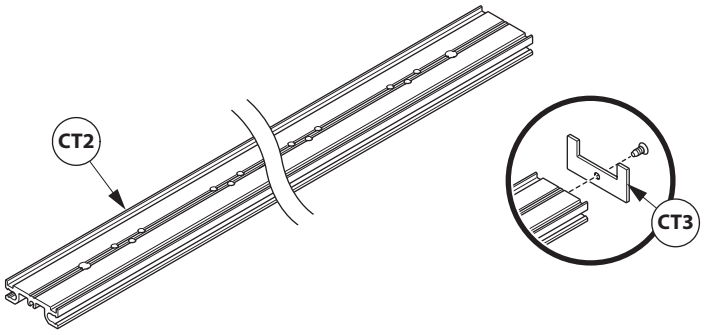
GLASS CLAMP HARDWARE

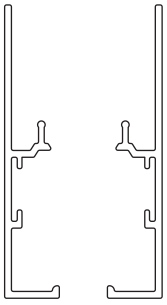




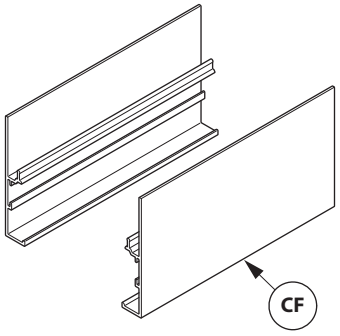


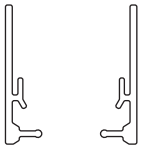
WOOD DOOR TOP RAIL



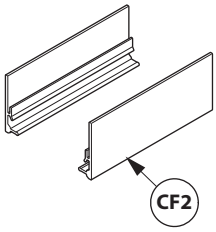


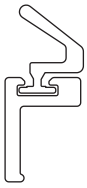
GLASS CLAMP CLAD



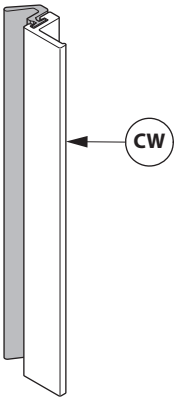


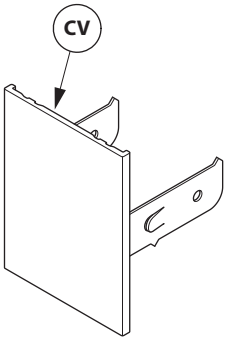
WOOD CLAMP CLAD



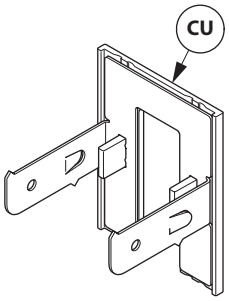


BYPASS SEAL





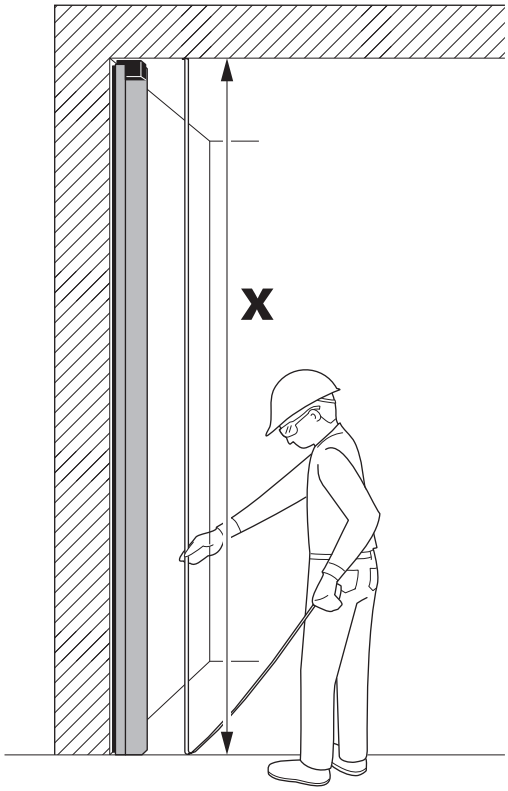
STRIKE END CAP



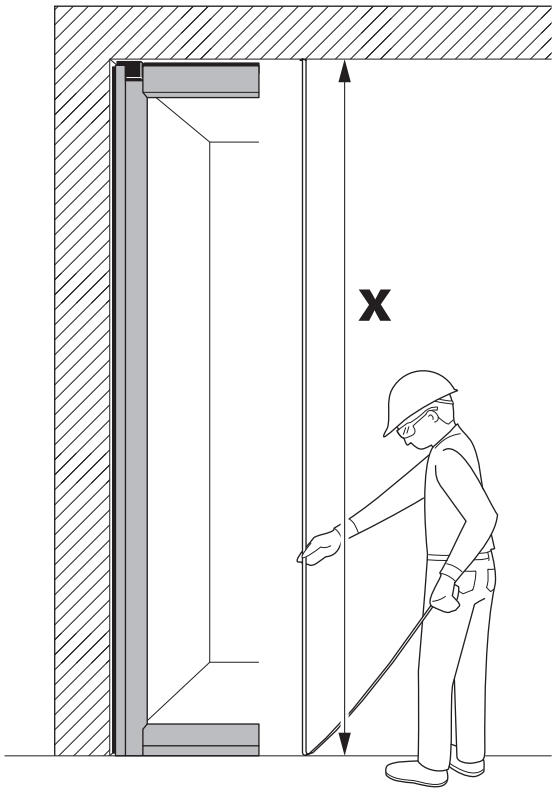
BYPASS END CAP

1 **Measure as shown for vertical door jamb (CD & CD2).**

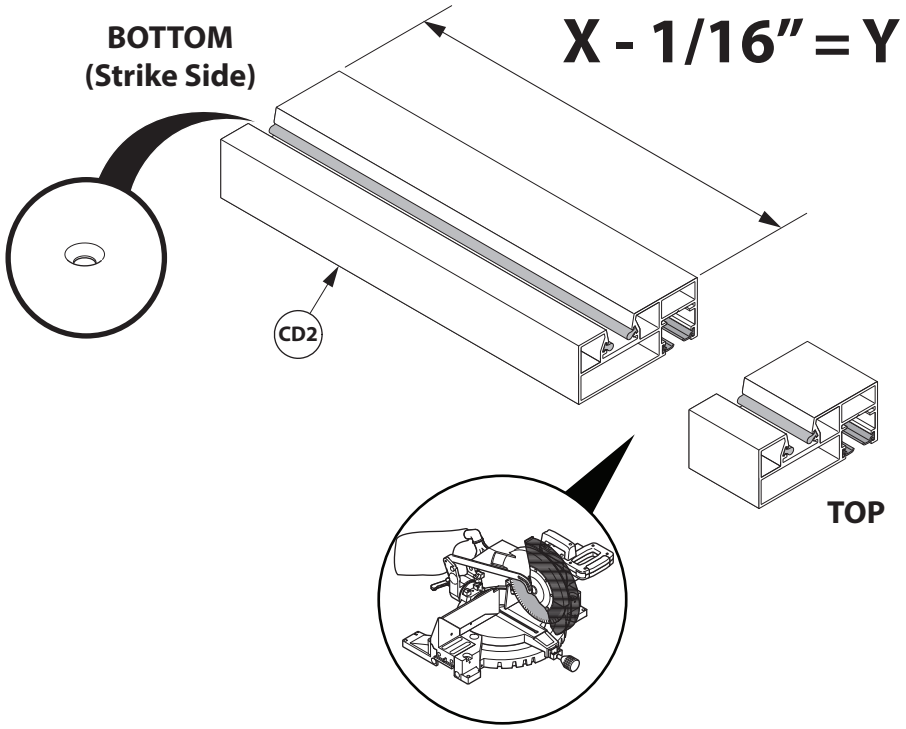
FROM STARTER



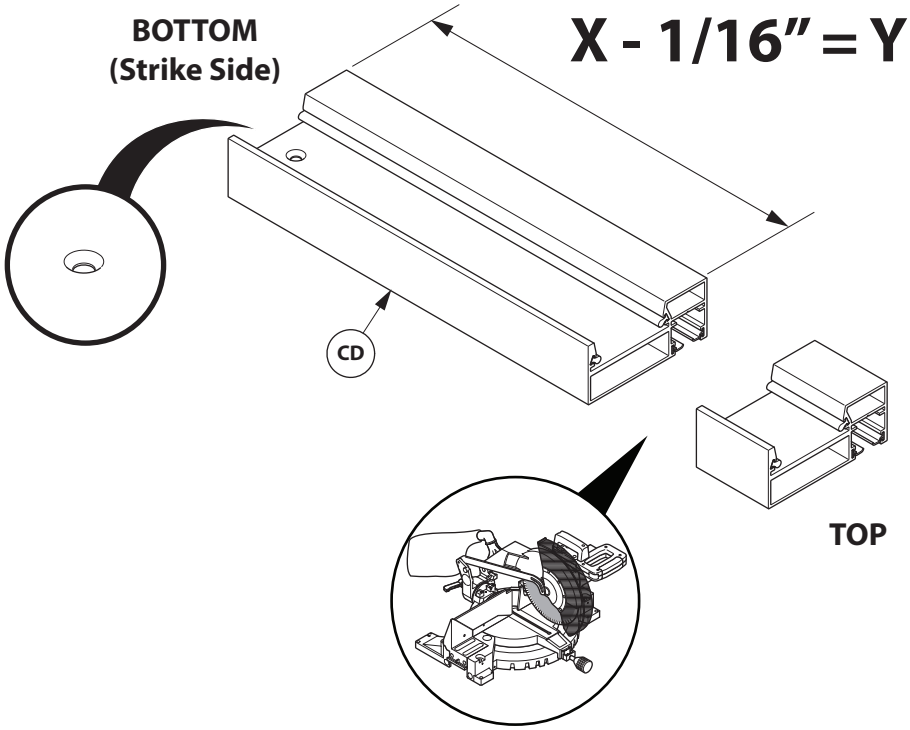
FROM GLASS WALL - STRIKE SIDE



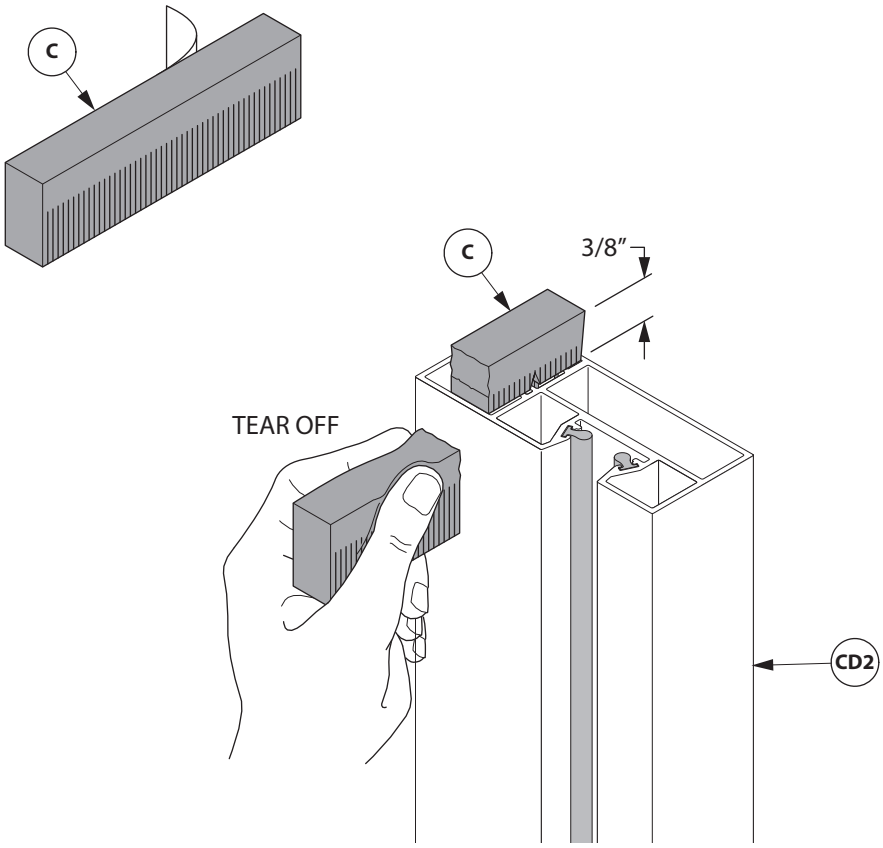
2 **Select correct jamb (CD & CD2). Measure and cut jamb to ceiling height minus 1/16".**
Important: Cut off top of strike side , of jamb. The bottom end of the jamb is the machined end.



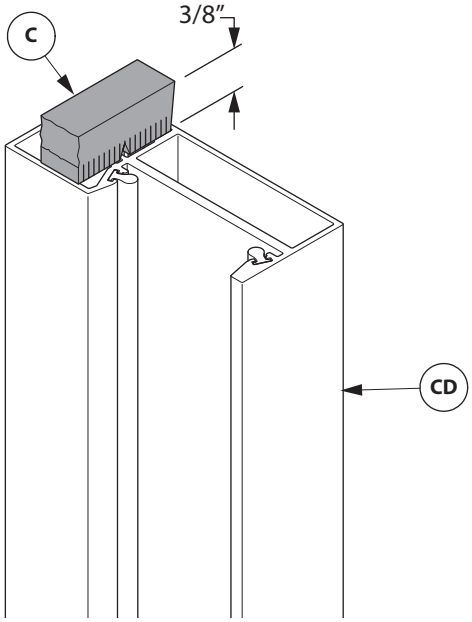
OR



3 **Insert and adhere acoustic foam block (C) into top end of inner rail so full width of rail + 3/8" is covered. Tear off excess foam (C).**

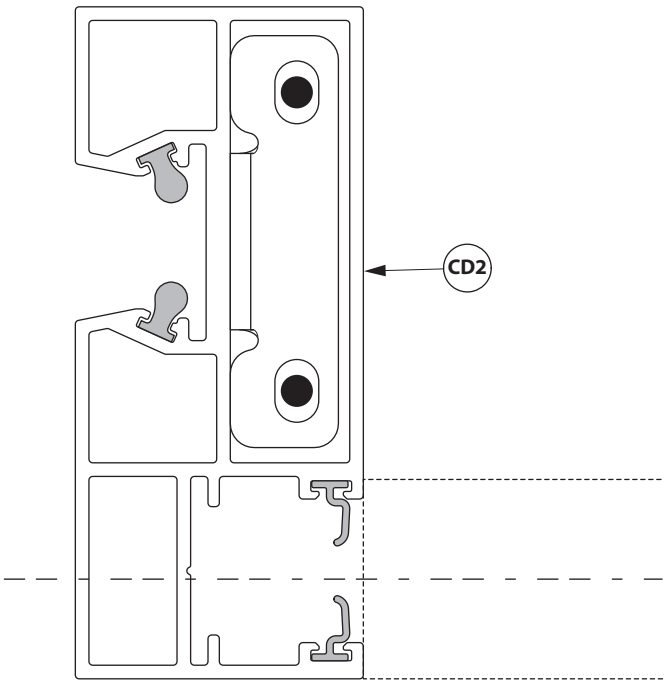


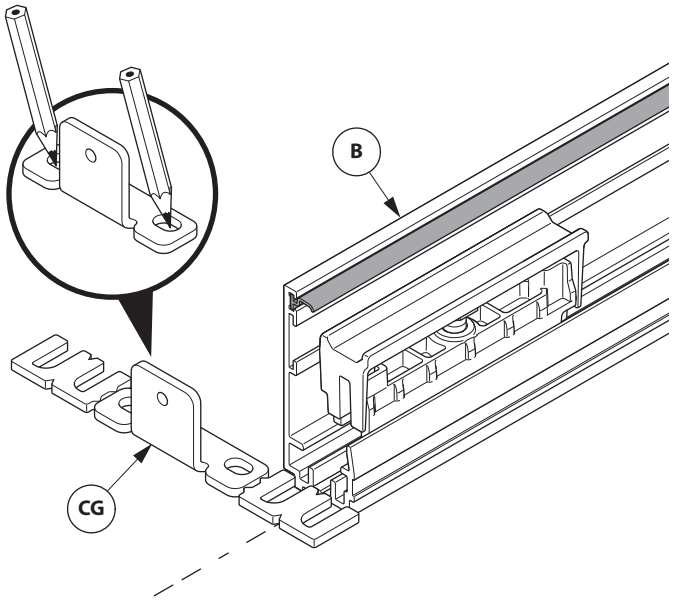
OR



TEMPLATE - STRIKE JAMB

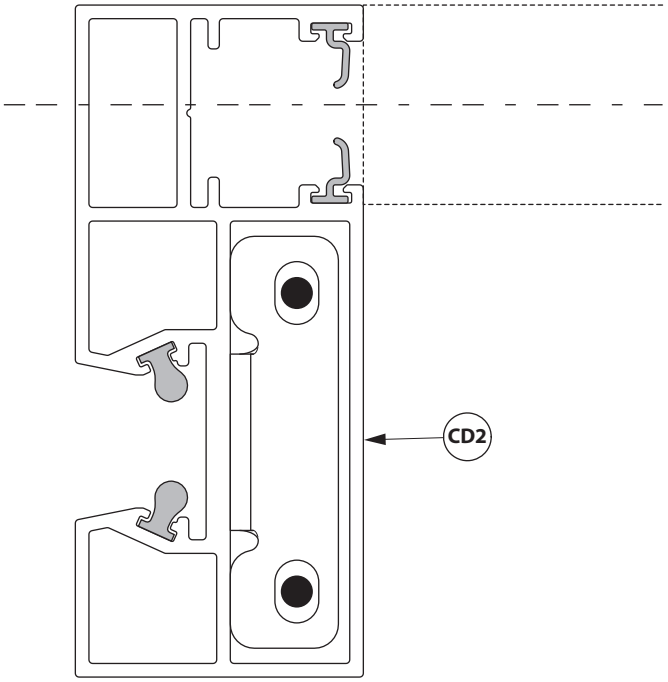
LOCATION OF STRIKE

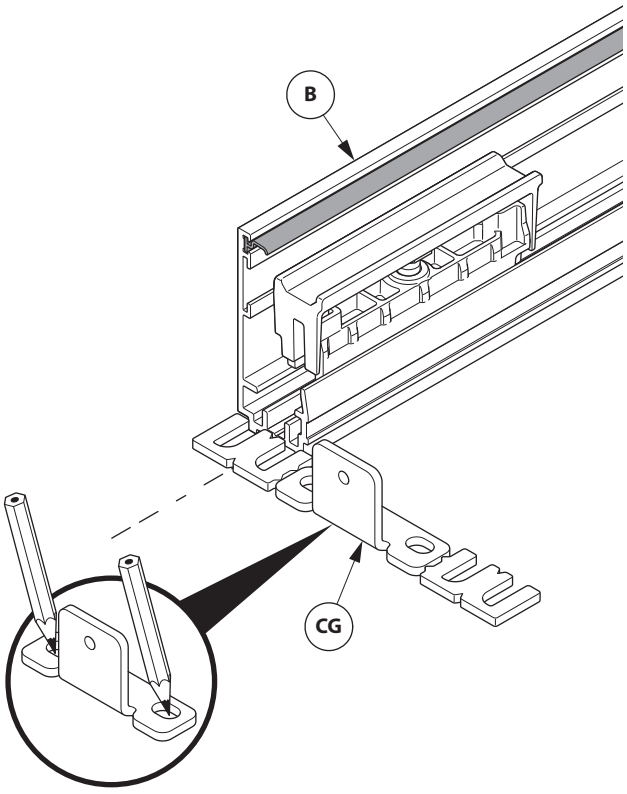




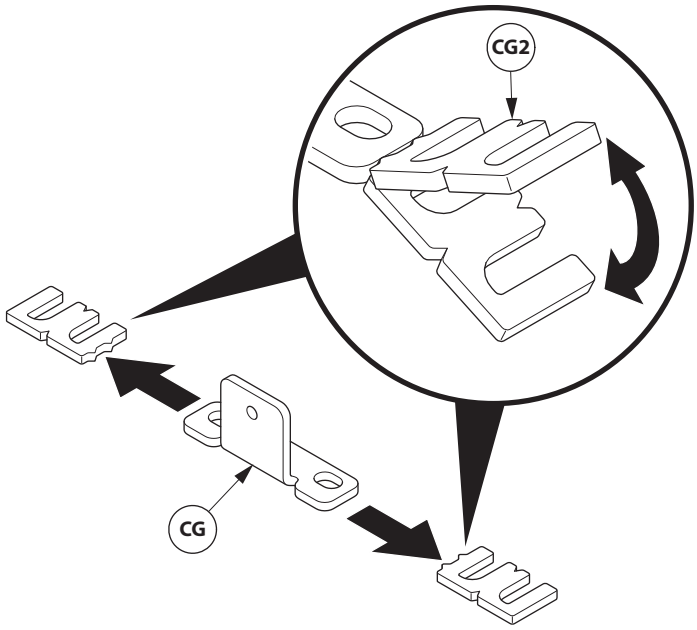
OR

LOCATION OF STRIKE

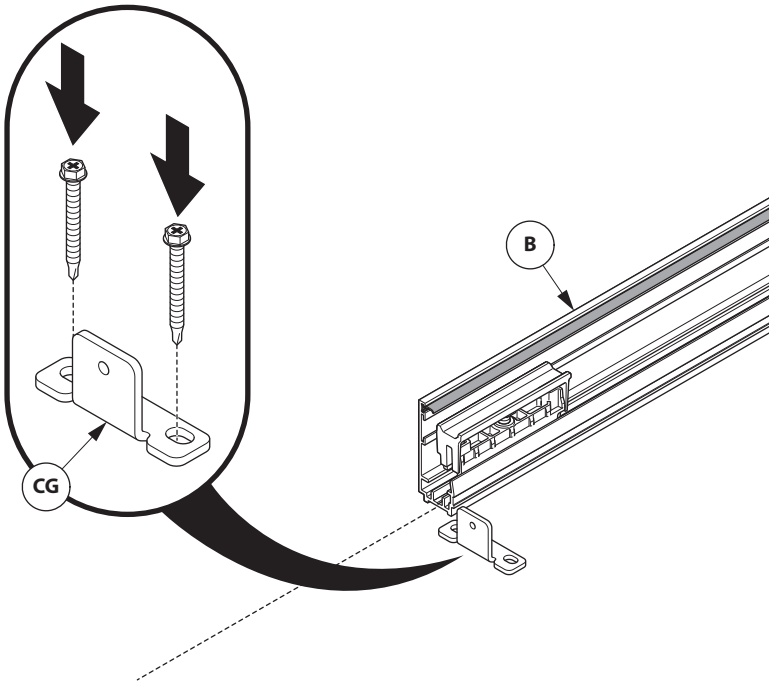




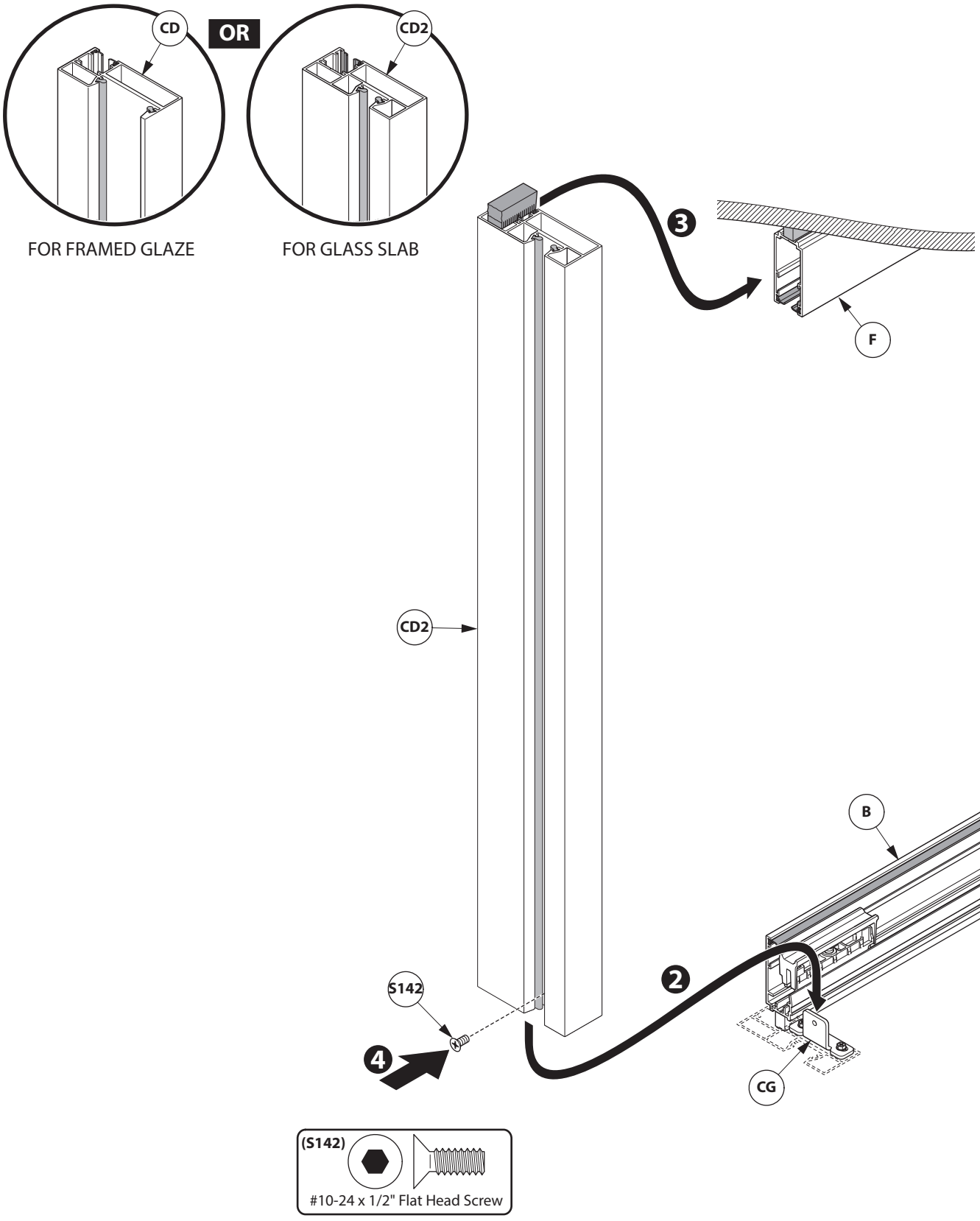
4 **Break off alignment tabs (CG2) as shown.**



5 **Pre-drill and anchor jamb bracket (CG) to floor. Screws not provided.**

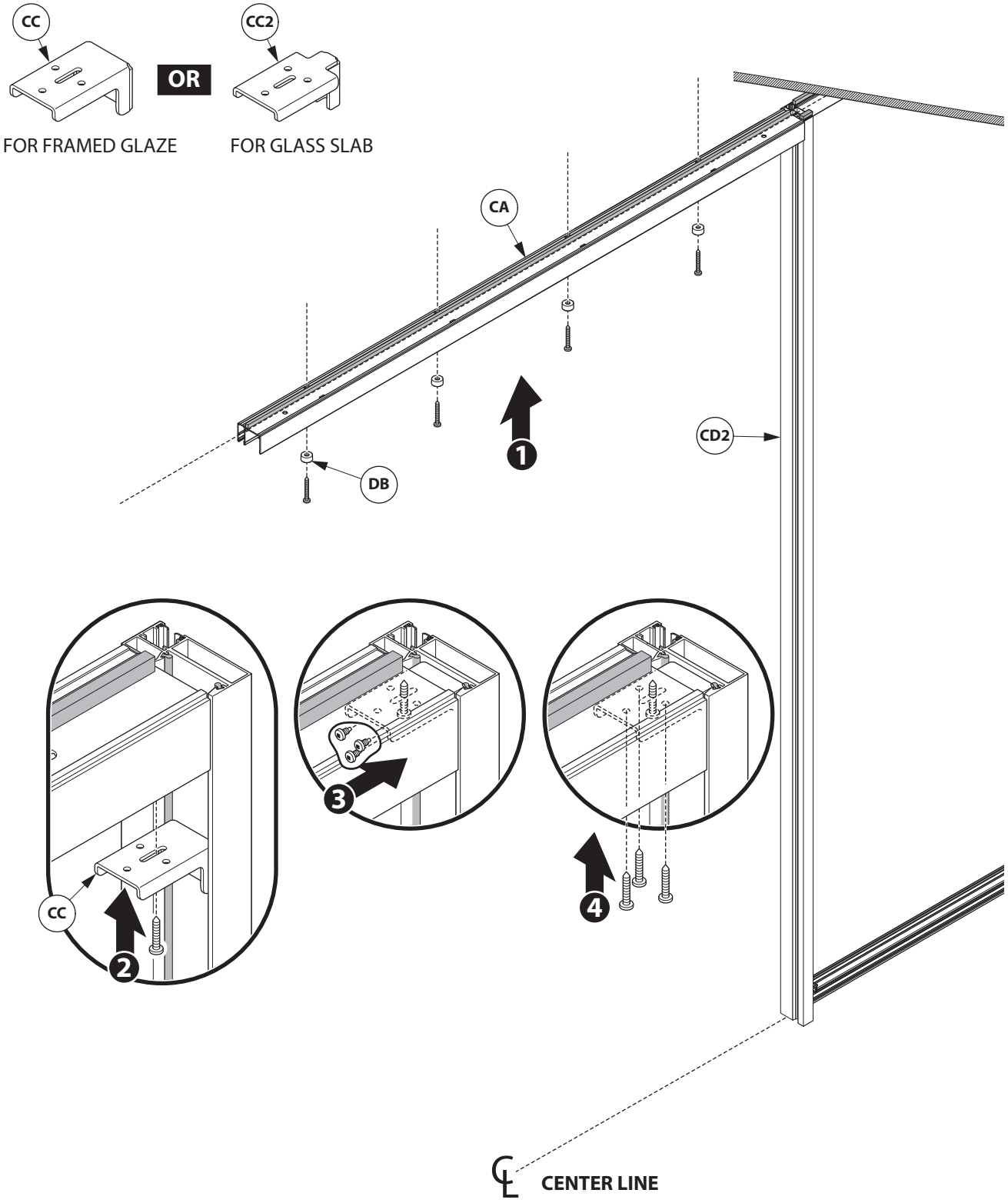


6 Position bottom of jamb (CD2) over bottom floor bracket (CG), rotate top of jamb in place against glass/starter rail, compressing top foam against ceiling.



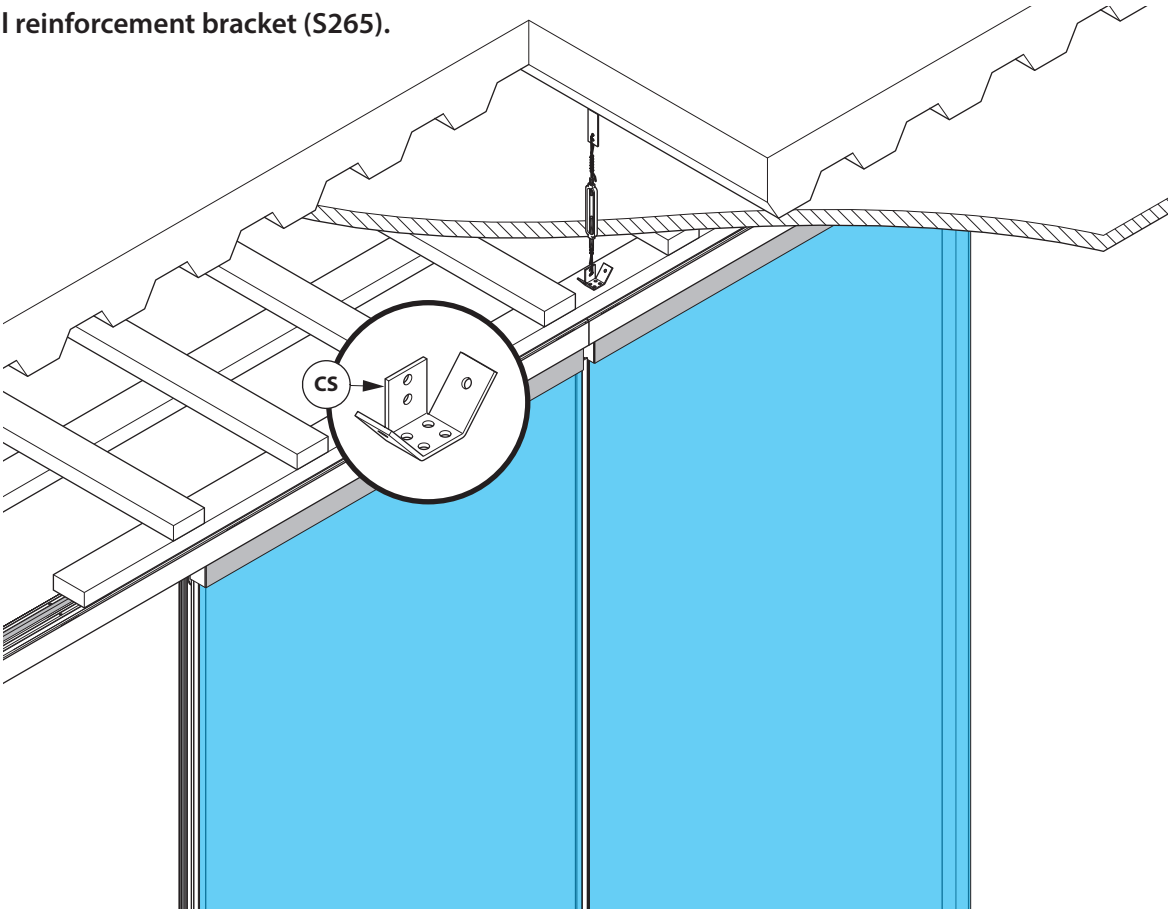
7 **Position header (CA) against strike jamb (CD2) so glass channel is centered on wall center line. Screw header to ceiling at pre-drilled slot locations in glass channel (screws not provided).**

7a **Install jamb bracket (CC or CC2) as shown below.**



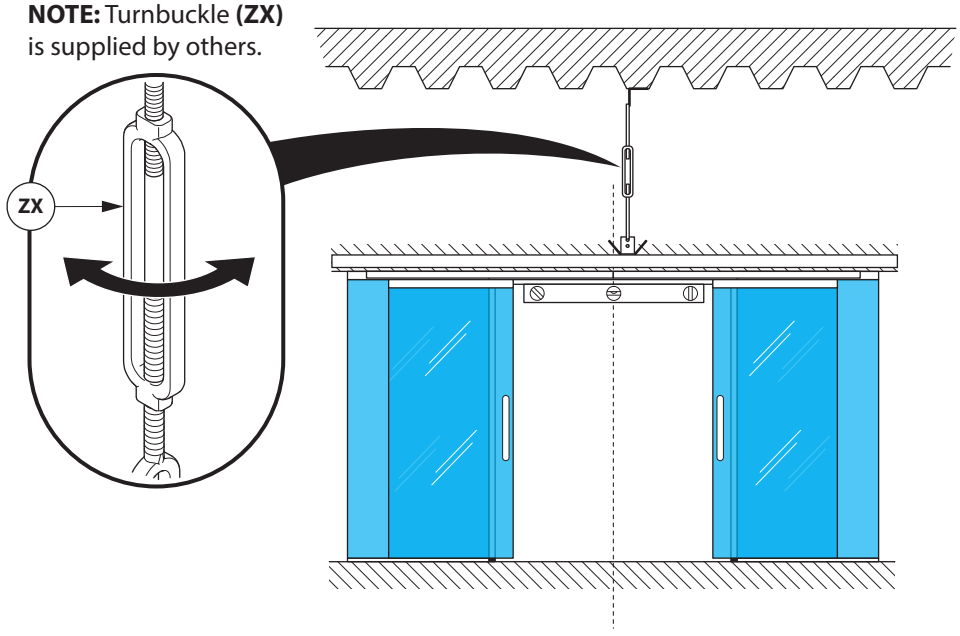
FOR DOUBLE DOORS

8 **Install reinforcement bracket (S265).**

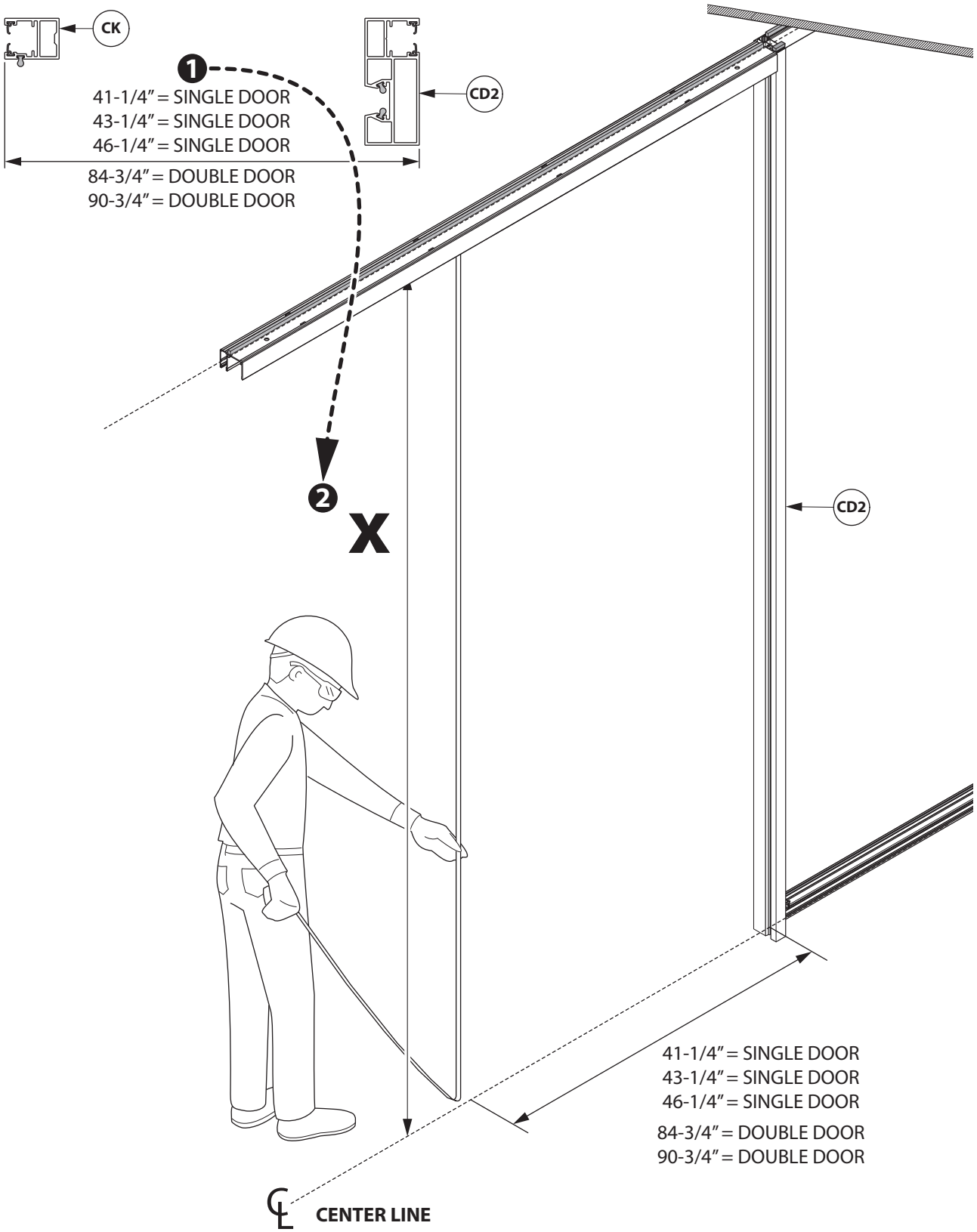


NOTE: Doors shown in this step are for reference only. **DO NOT INSTALL DOORS AT THIS TIME**. Door installation will happen in later steps.

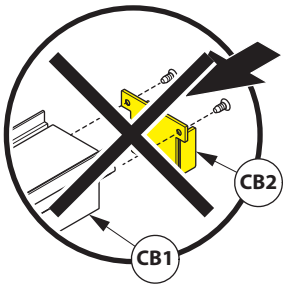
NOTE: Turnbuckle **(ZX)** is supplied by others.



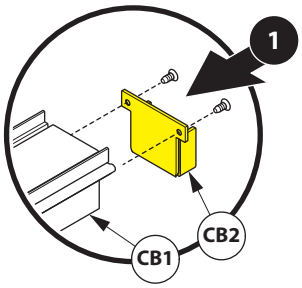
9 Measure width then height from floor to underside of header at bypass jamb location.



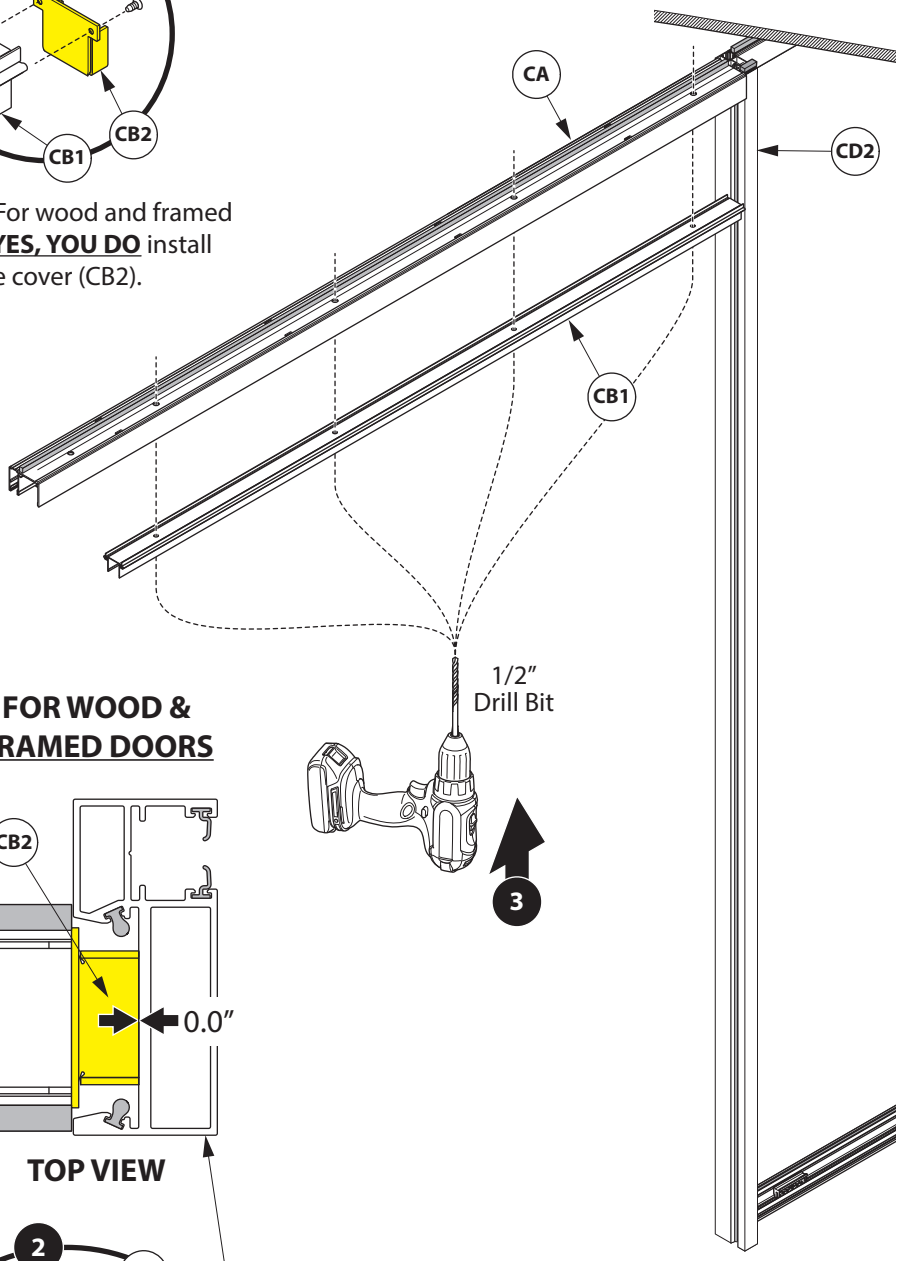
10 **Assemble cassette (CB1) and use the cassette as a template to locate the clearance holes in header (CA), place tight to strike jamb (CD2) and drill holes as shown.**



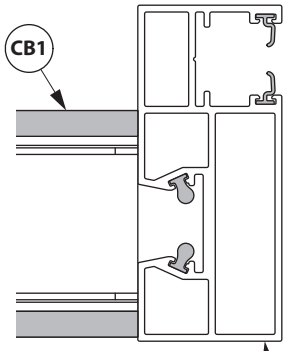
NOTE: For Glass slab doors. **DO NOT** install cassette cover (CB2).



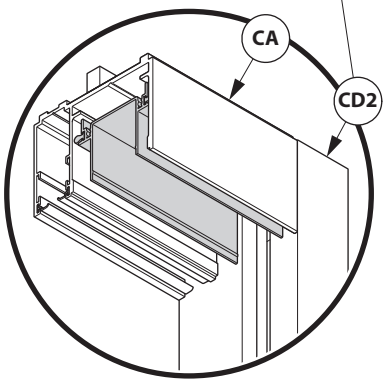
NOTE: For wood and framed doors. **YES, YOU DO** install cassette cover (CB2).



FOR GLASS SLAB DOORS

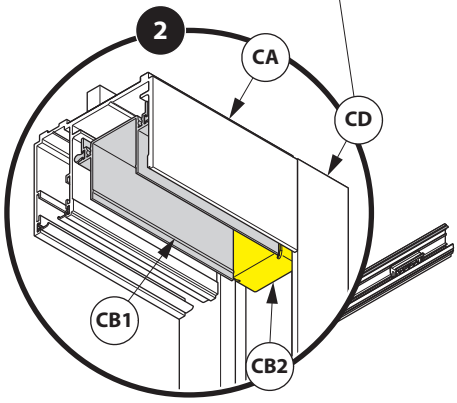


TOP VIEW

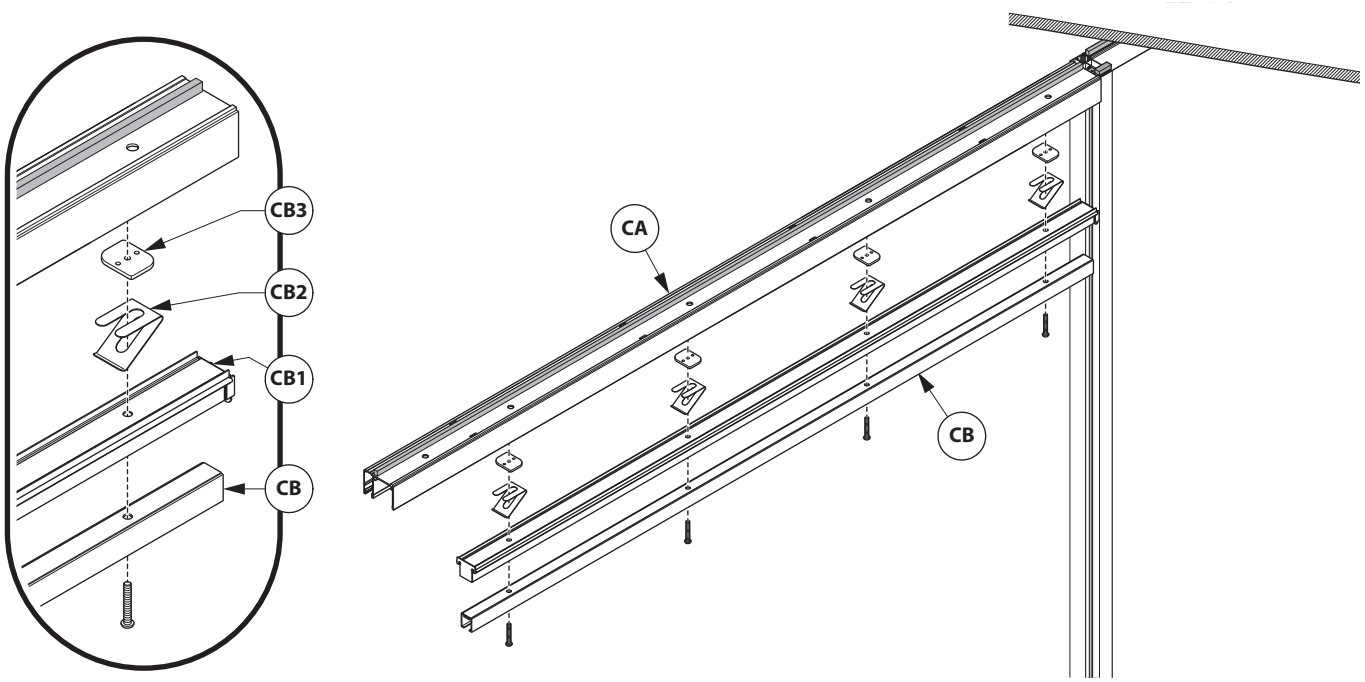


FOR WOOD & FRAMED DOORS

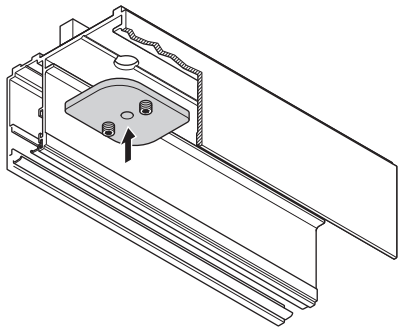
TOP VIEW



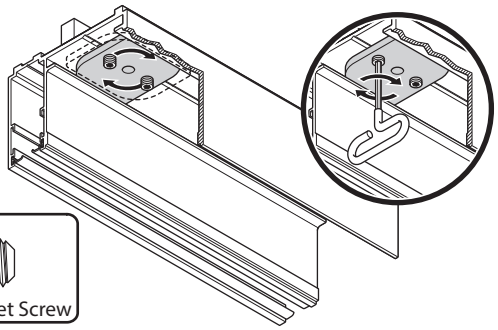
11 Secure track (CB) to header (CA) as shown.



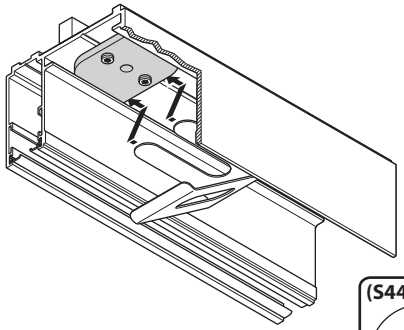
A Insert (CB3) aligned with hole in header (CA)



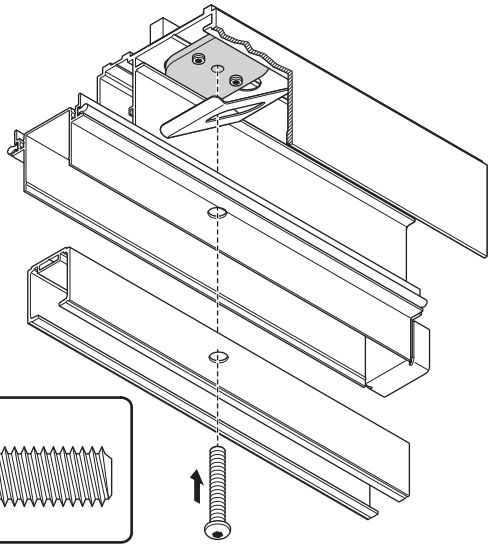
B Rotate (CB3) and tighten set screws as shown



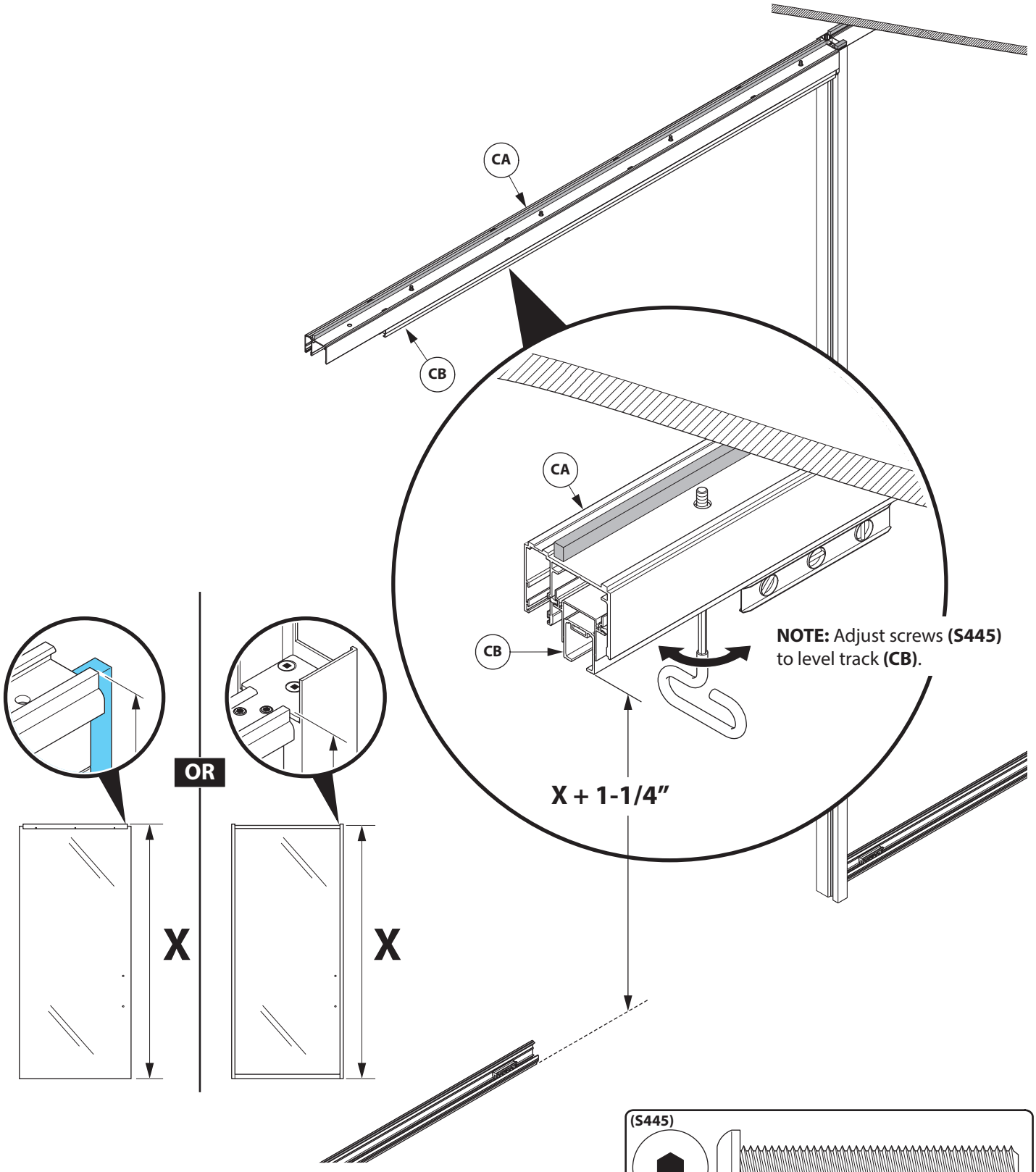
C Insert spring clip (CB2) over (CB3) as shown



D Install track (CB & CB1) as shown



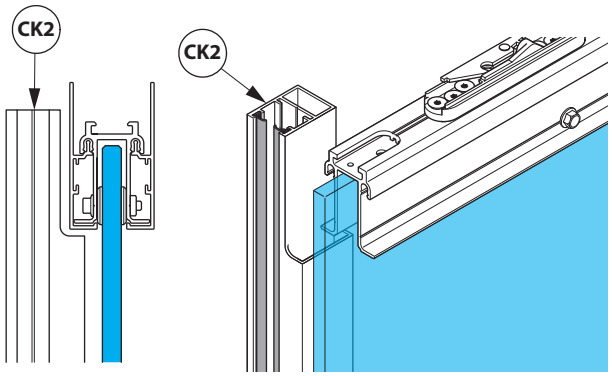
12 Measure door leaf height. Adjust track so floor to bottom of track (CB) is door leaf height + 1-1/4".



FOR GLASS SLAB DOORS

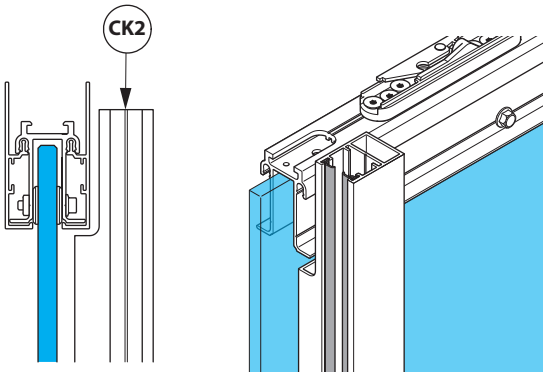
13 **Look closely at bypass jamb (CK2) before cutting.**

LH/RHR



OR

RH/LHR

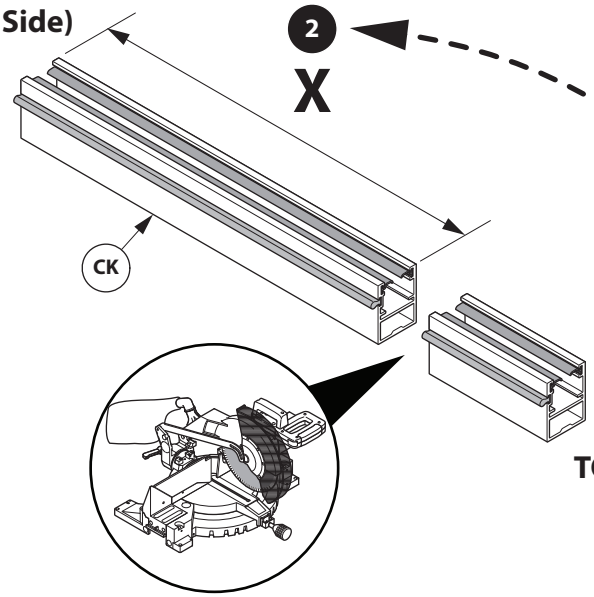


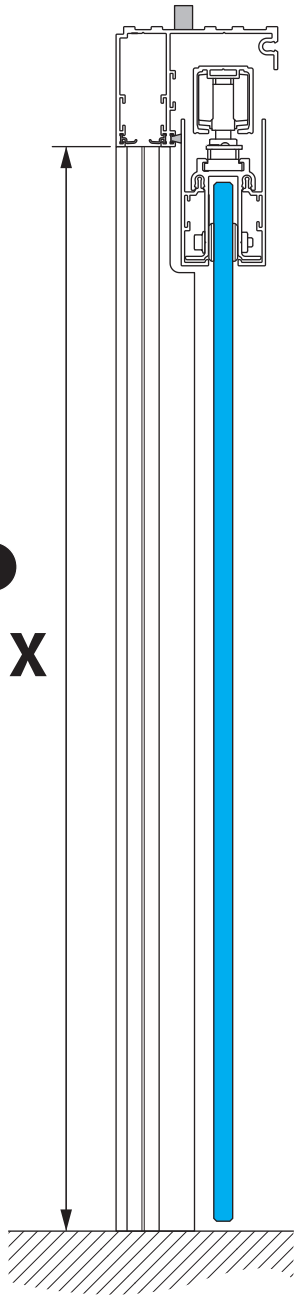
14 Select correct jamb. Measure and cut jamb to ceiling height X".
Important: Cut off <u>TOP</u> of bypass jamb.



FOR FRAMED SINGLE GLAZE DOORS

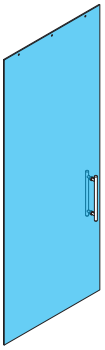
BOTTOM
(Strike Side)





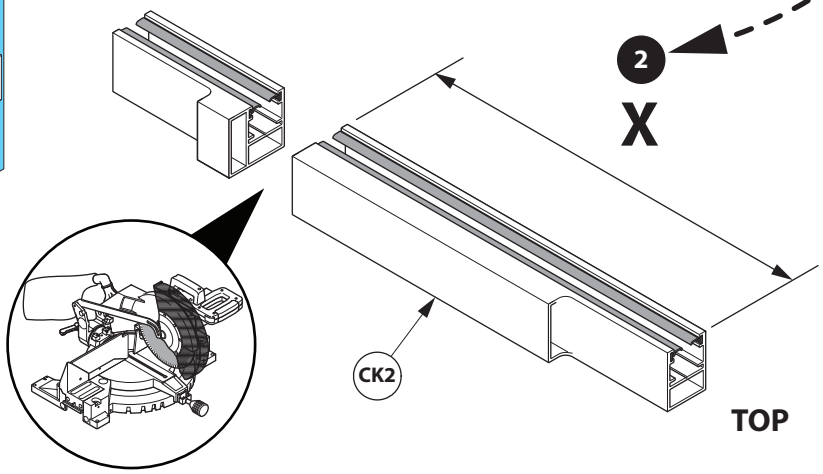
OR

Measure and cut jamb to ceiling height X".
Important: Cut off <u>BOTTOM</u> of bypass jamb.



FOR GLASS SLAB DOORS

BOTTOM
(Strike Side)



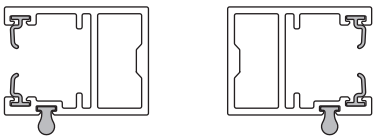
Important

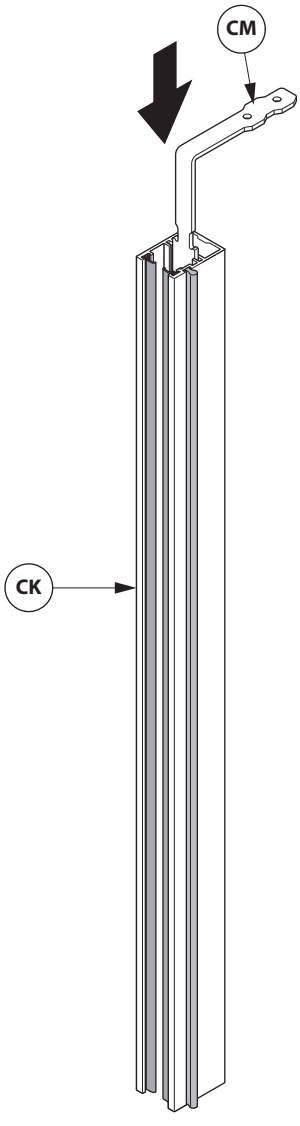
Make sure to cut the correct end.

15 **Install top bypass and jamb bracket (CM) in top.**

FOR FRAMED SINGLE GLAZE DOORS

LH/RHR RH/LHR

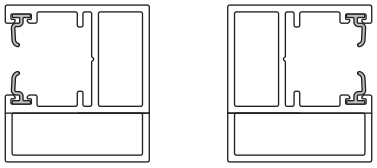


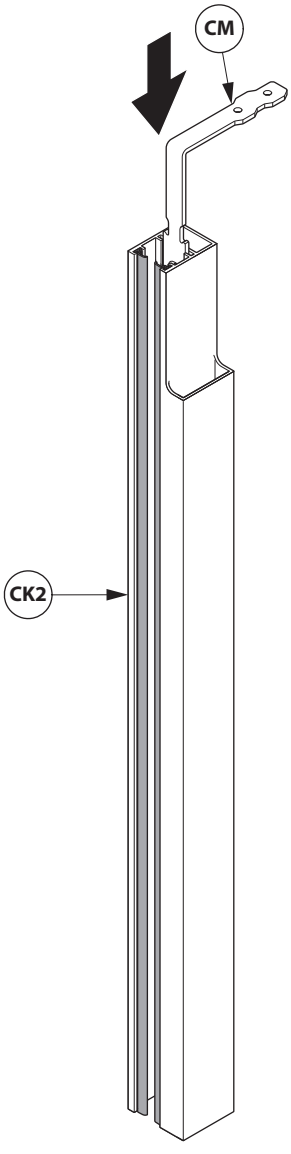


OR

FOR GLASS SLAB DOORS

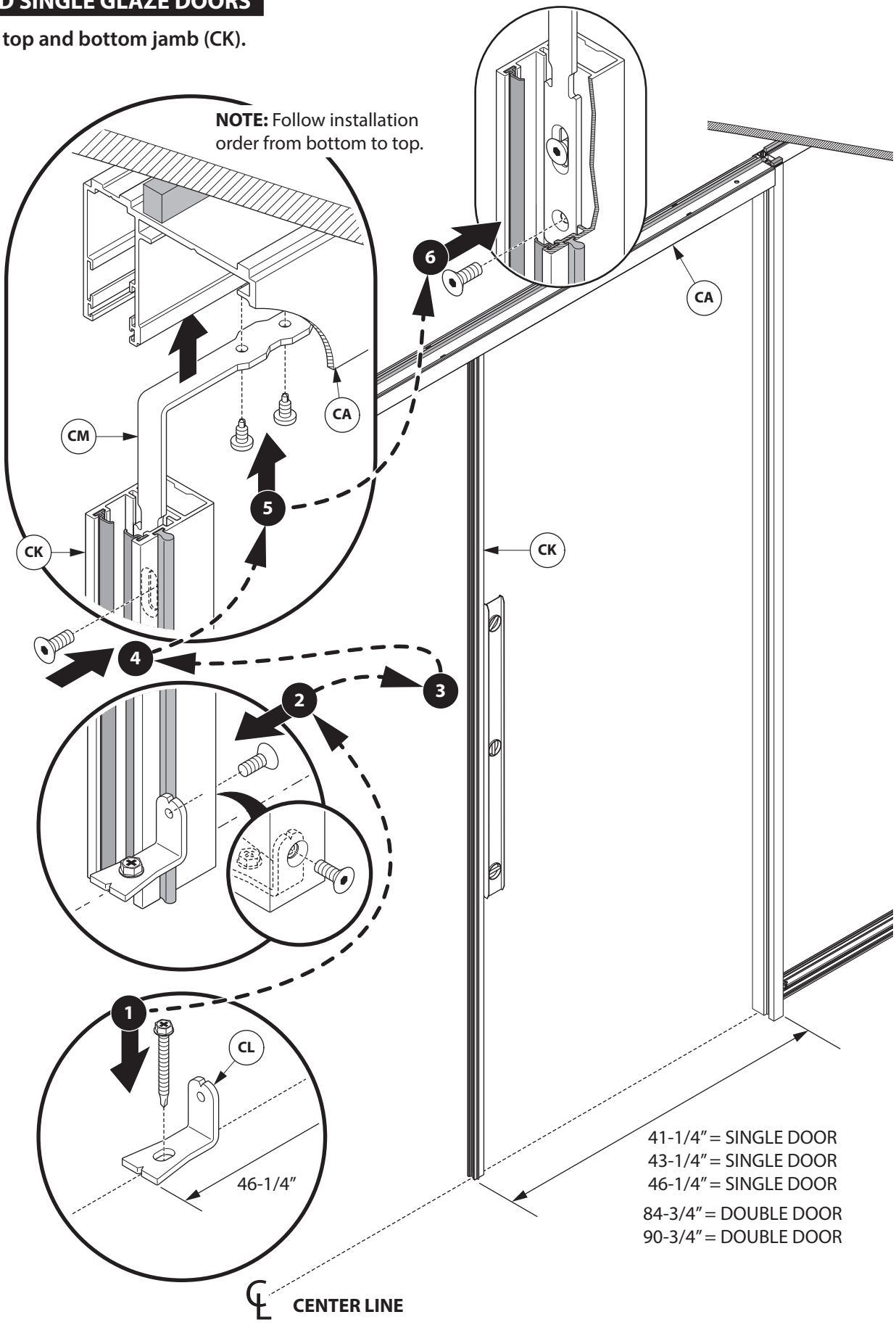
LH/RHR RH/LHR





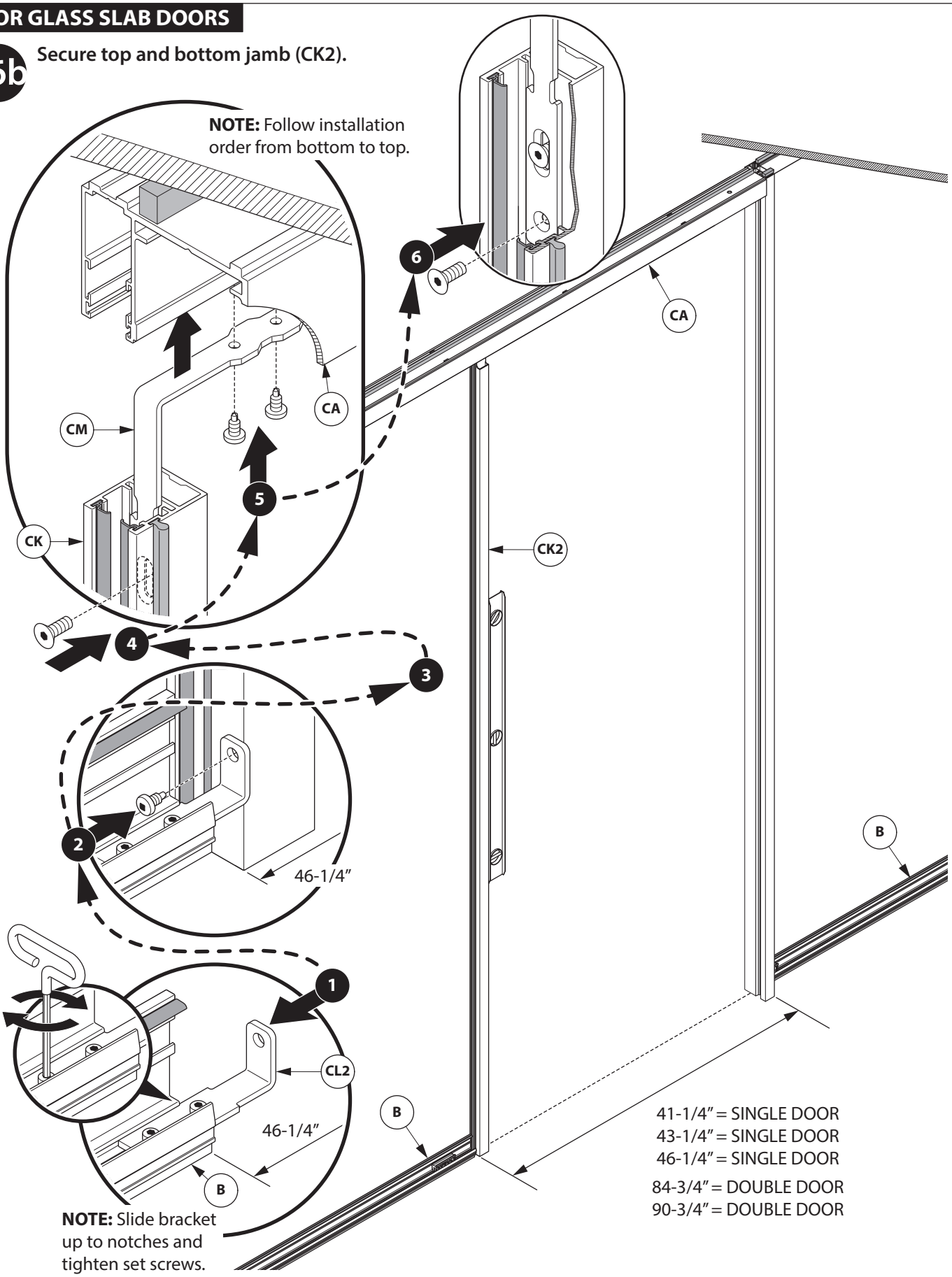
FOR FRAMED SINGLE GLAZE DOORS

16a **Secure top and bottom jamb (CK).**

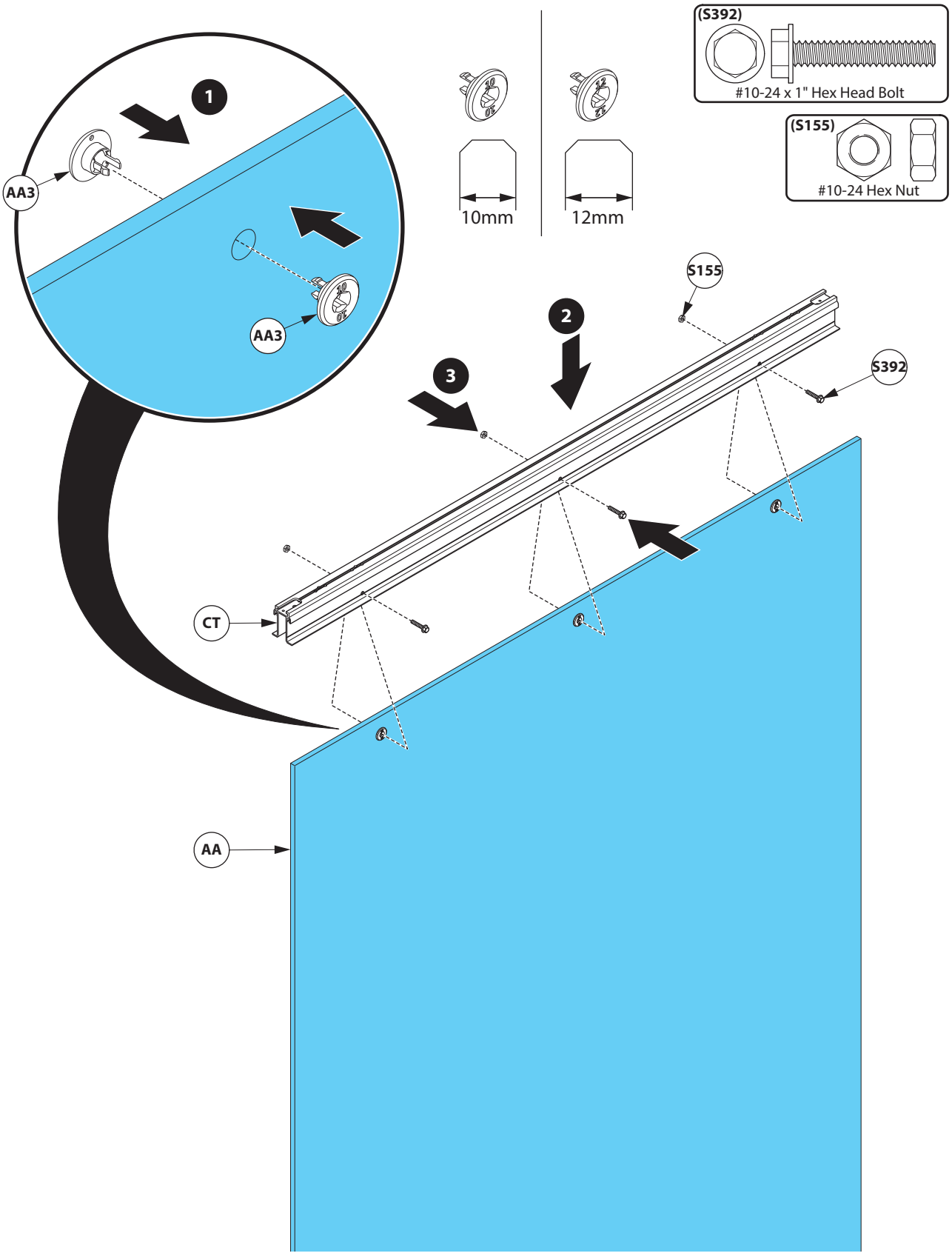


FOR GLASS SLAB DOORS

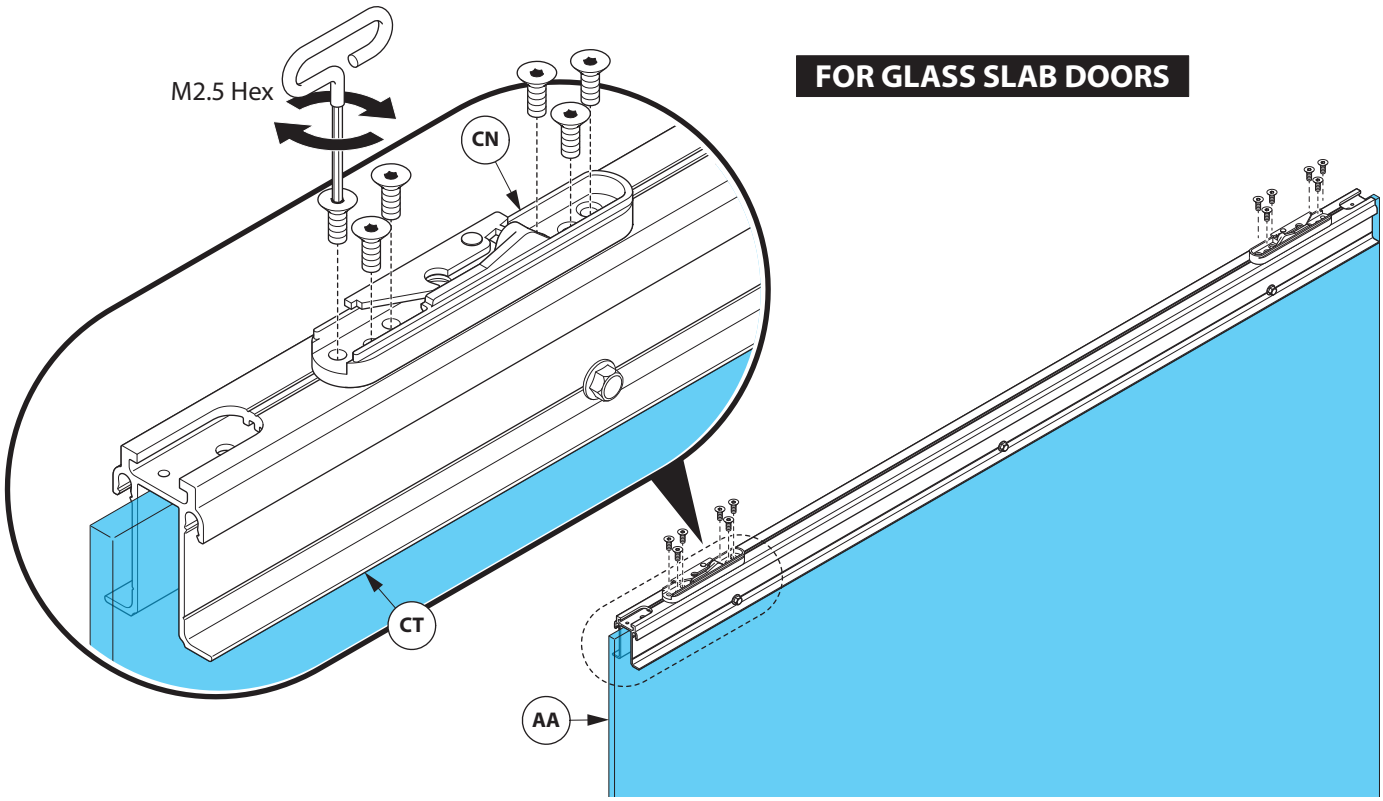
16b Secure top and bottom jamb (CK2).



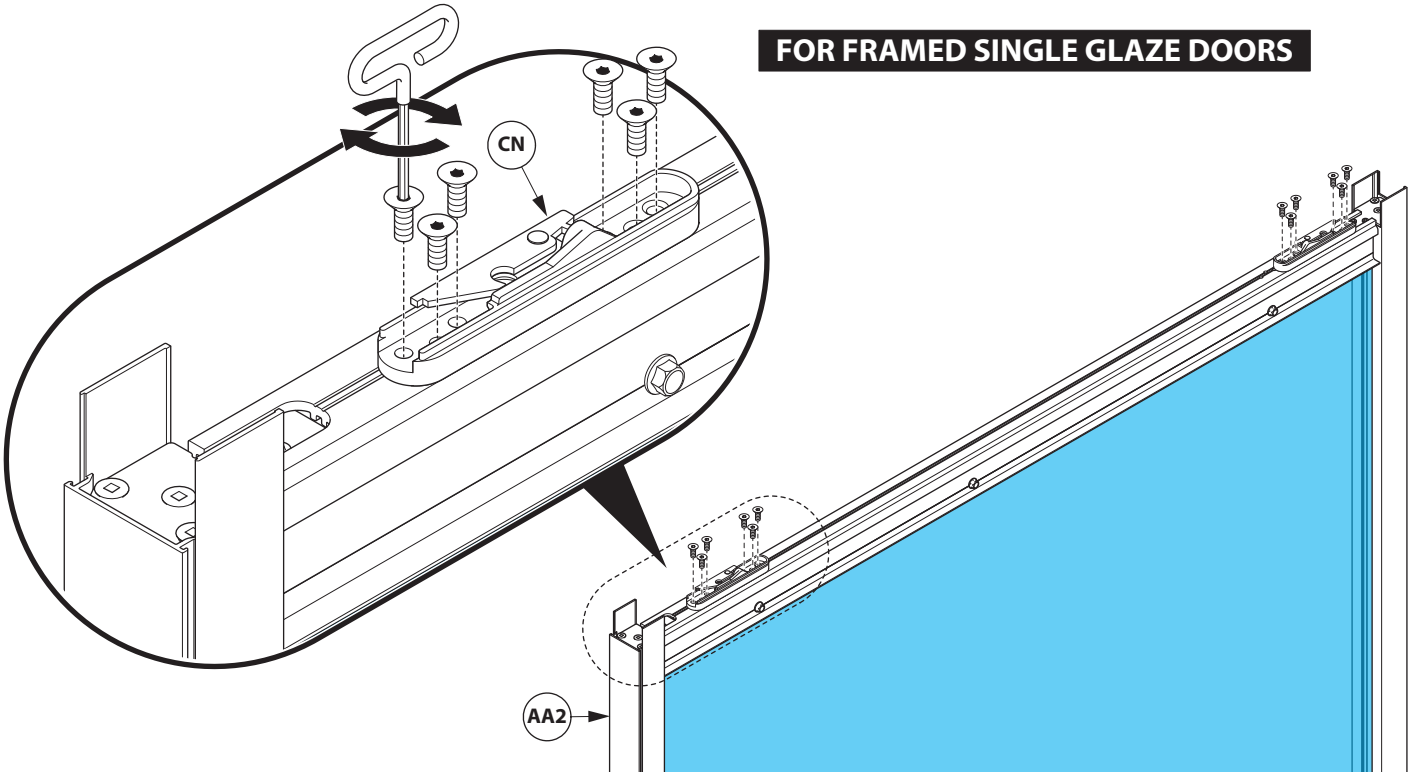
17 **Clip glass bushings (AA3) into each hole along top edge of the glass slab (AA). Place glass clamp rail (CT) over top edge of glass and align holes to bushings. Assemble #10-24 bolt (S392) and nut (S155) through each hole and tighten clamp rail to glass.**



18 **Install the soft close brackets (CN) onto clamp rail (CT) and tighten the screws to lock in place.**
Important: Orient the brackets (CN) as shown.

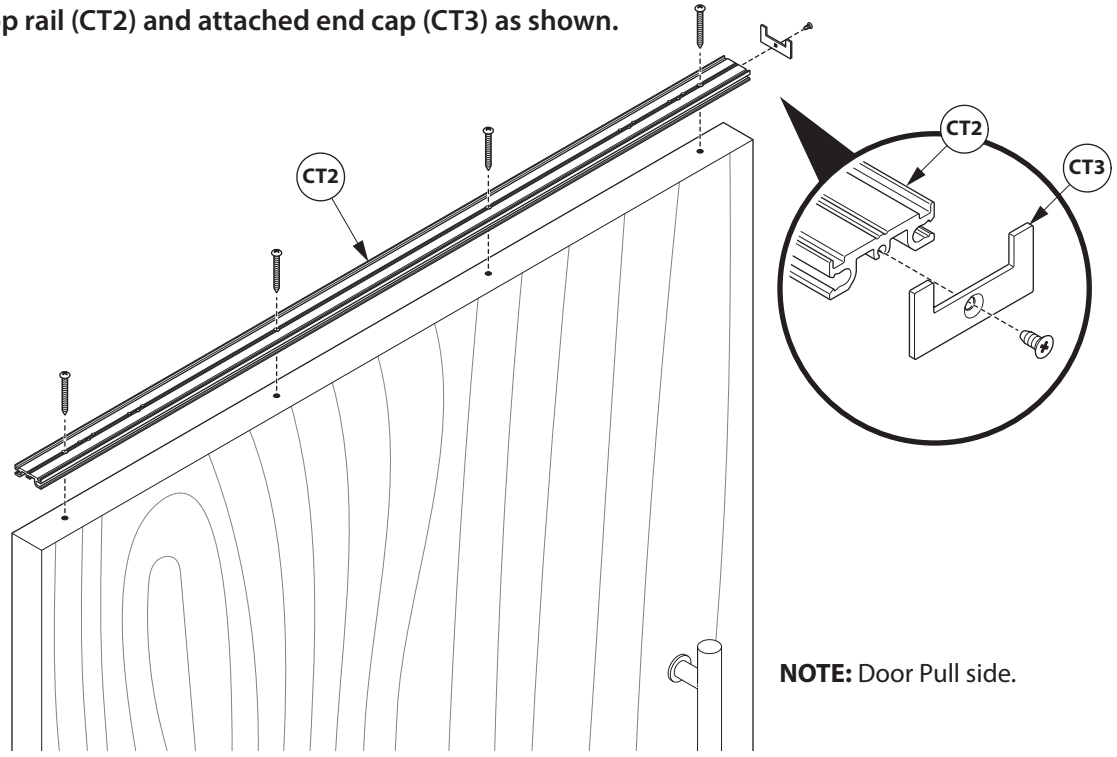


OR



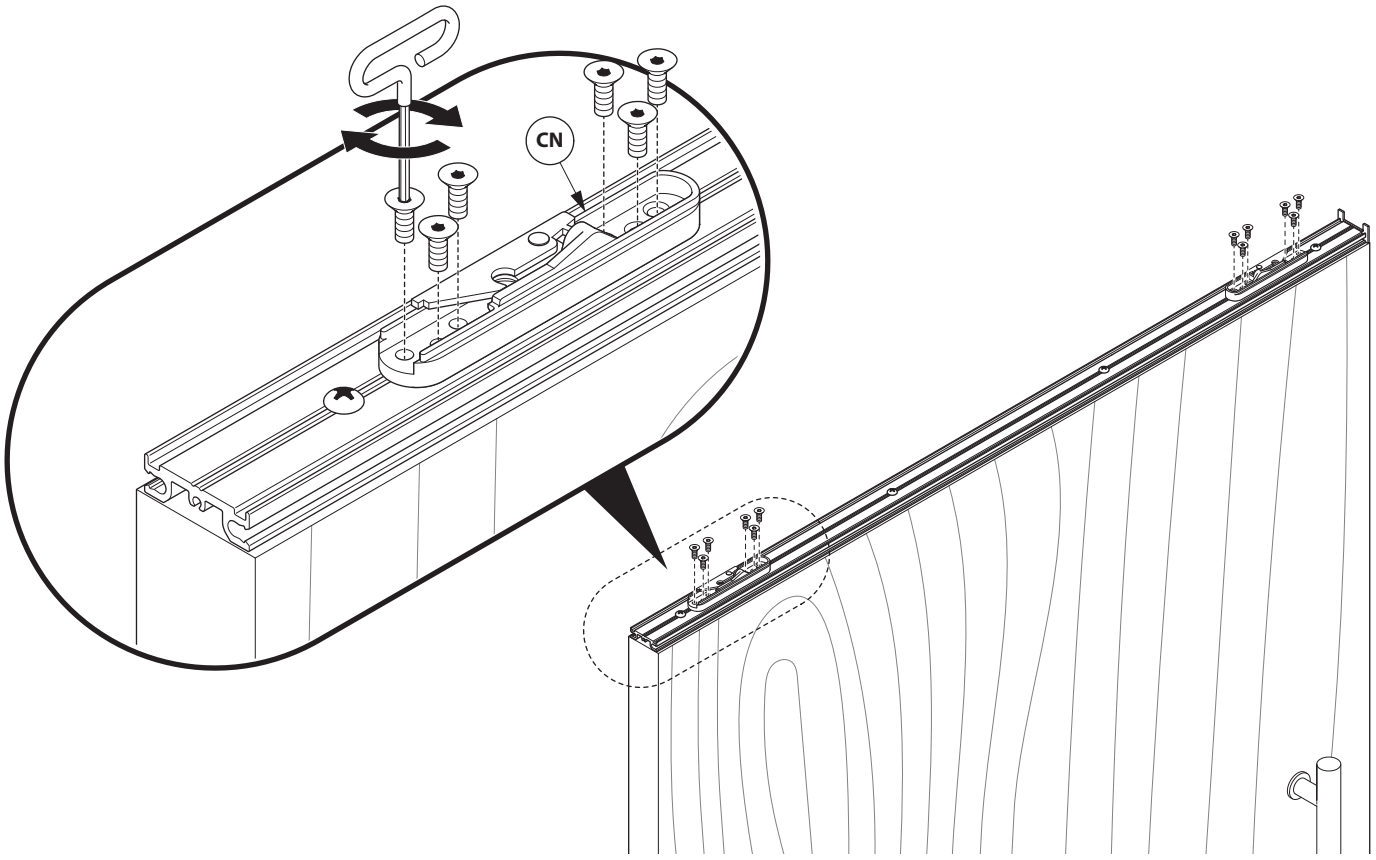
FOR WOOD DOORS

19 **Install top rail (CT2) and attached end cap (CT3) as shown.**



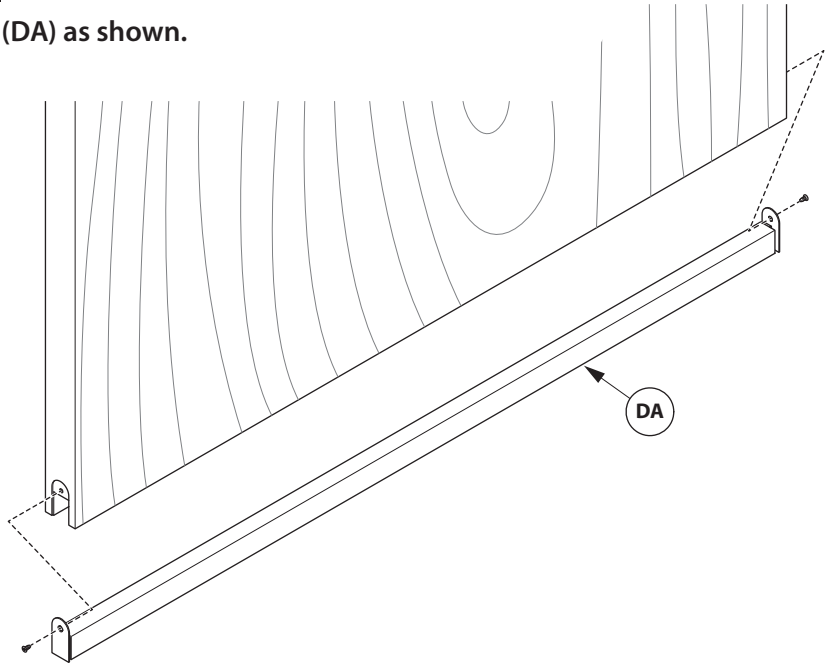
NOTE: Door Pull side.

20 **Install the soft close brackets (CN) onto top rail (CT2) and tighten the screws to lock in place.**
Important: Orient the brackets (CN) as shown.

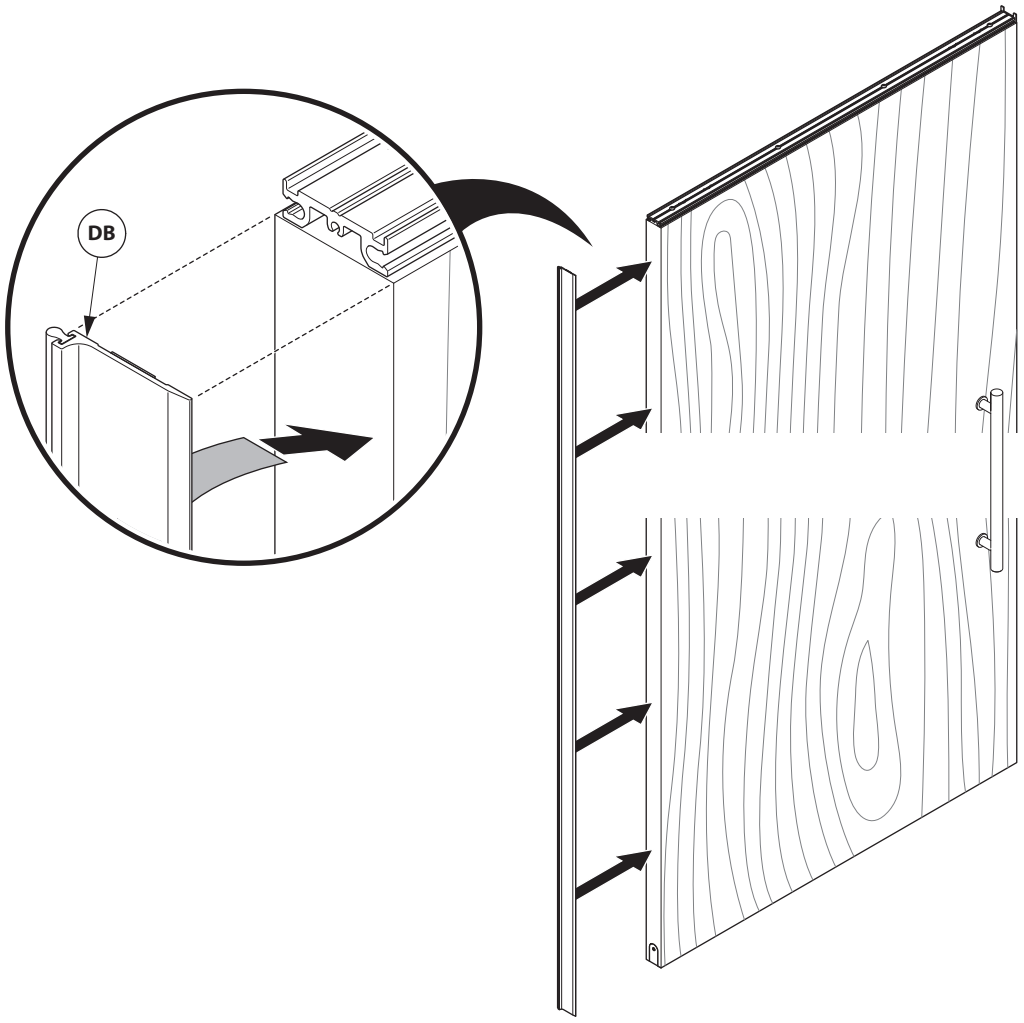


FOR WOOD DOORS

21 **Install drop seal (DA) as shown.**

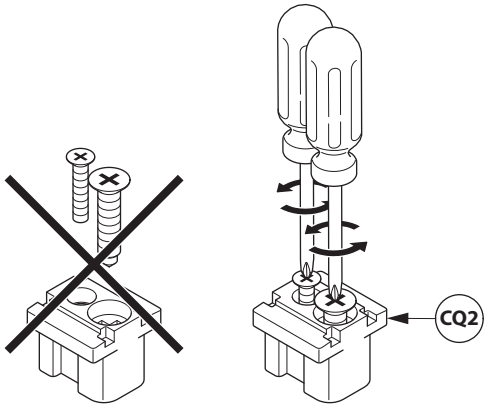


22 **Install bypass seal (DB) as shown.**

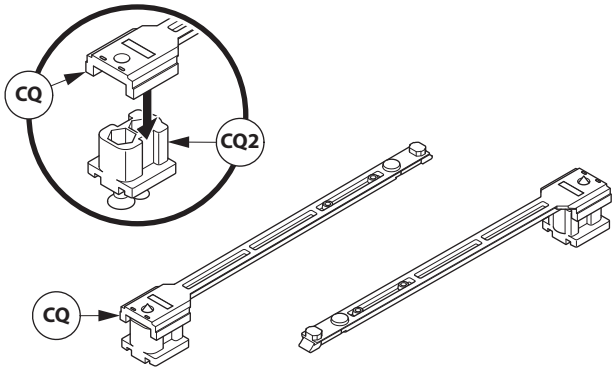


NOTE: Door Pull side.

23 **Loosen screws only. Do <u>NOT</u> remove screws.**



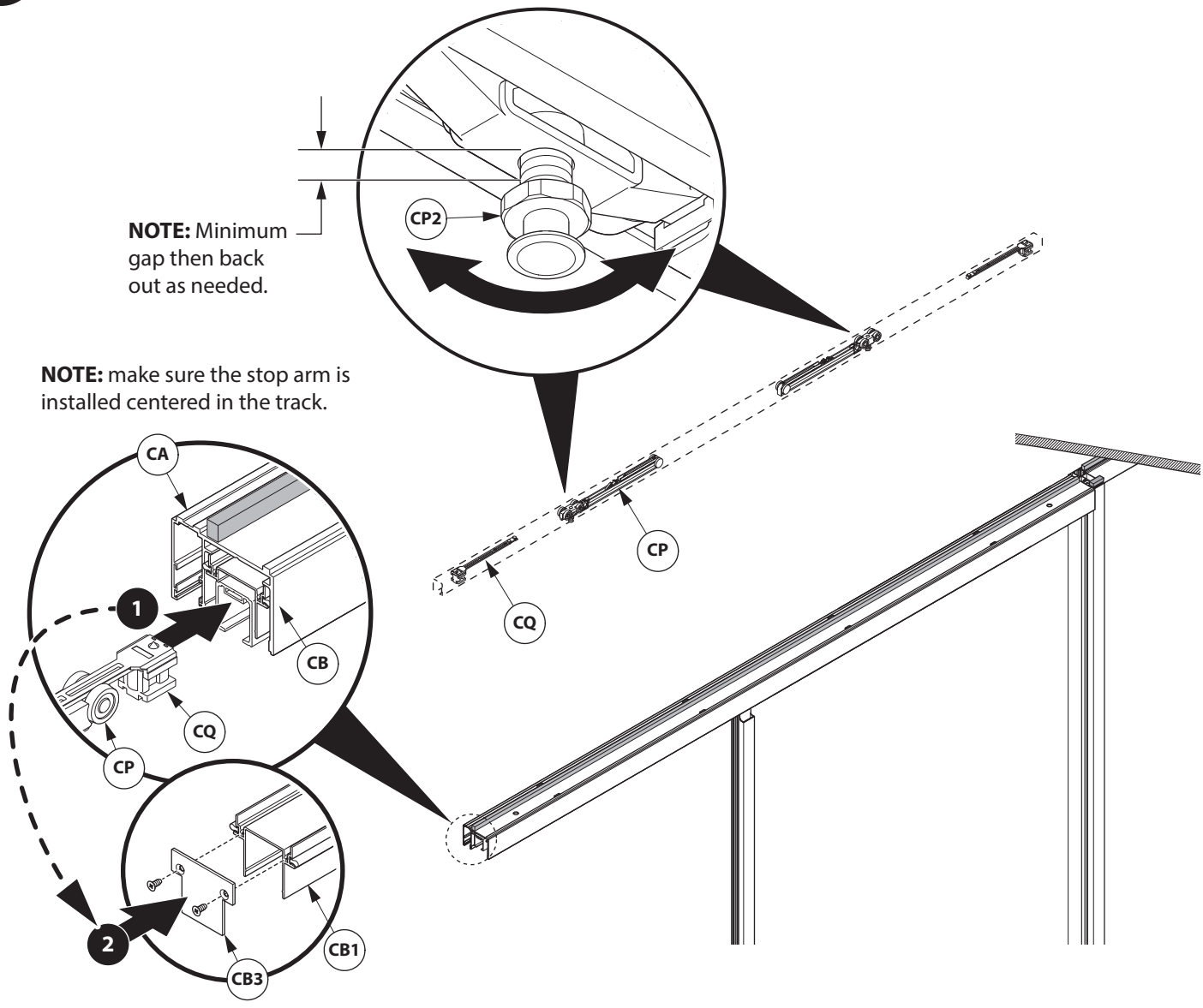
14 **Install slow close stop (CQ2).**



25 **Adjust each roller assembly bolts (CP2) with minimum gap and insert the slow close stops and roller assemblies.**

NOTE: Minimum gap then back out as needed.

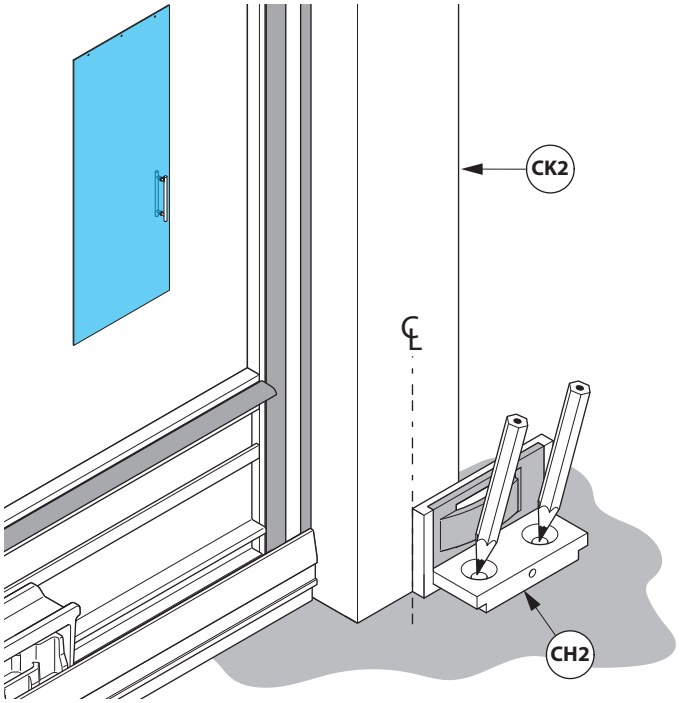
NOTE: make sure the stop arm is installed centered in the track.



FOR GLASS SLAB DOORS

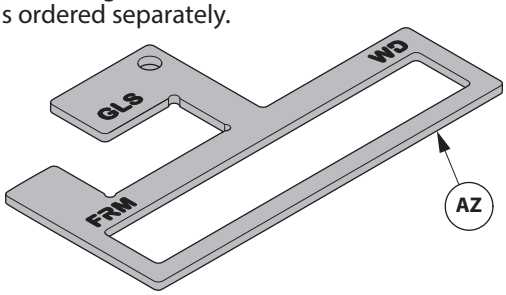
26 Use guide (CH2) as template and mark hole locations.

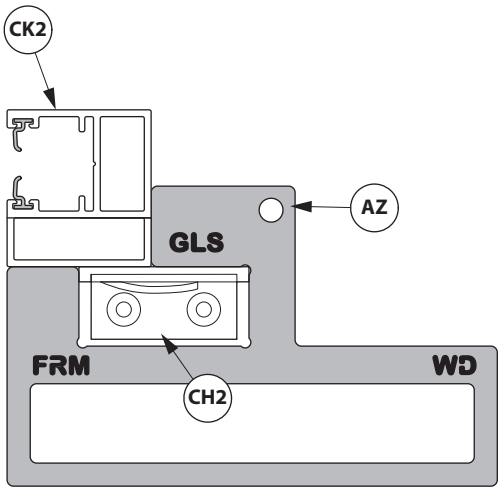
NOTE: Locate guides edge to the center of jamb **(CK2)**.



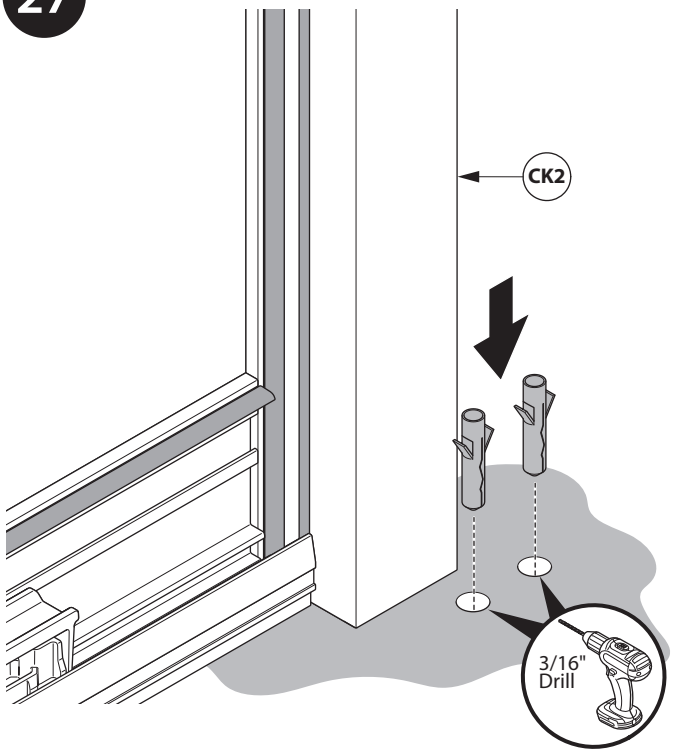
OR

NOTE: Alignment bracket (AZ) is ordered separately.

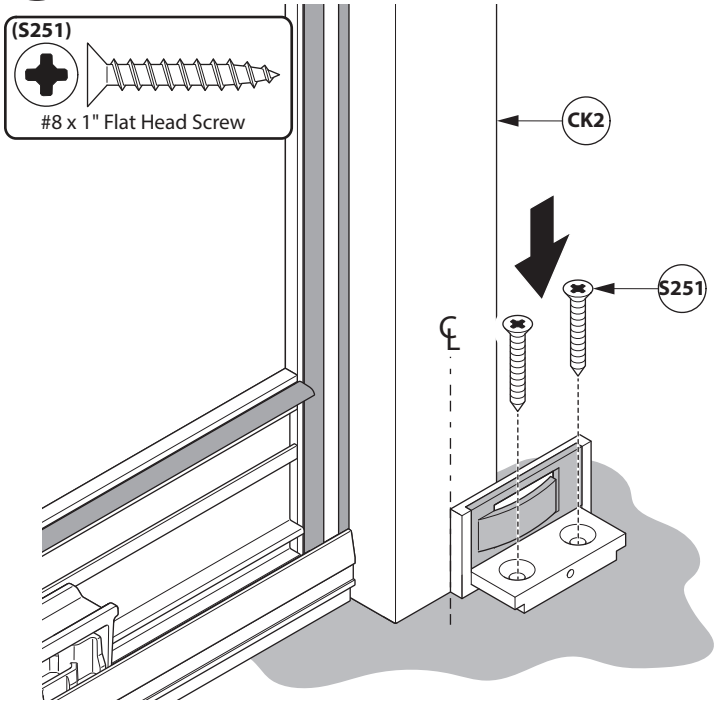




27 Drill holes and insert anchors .

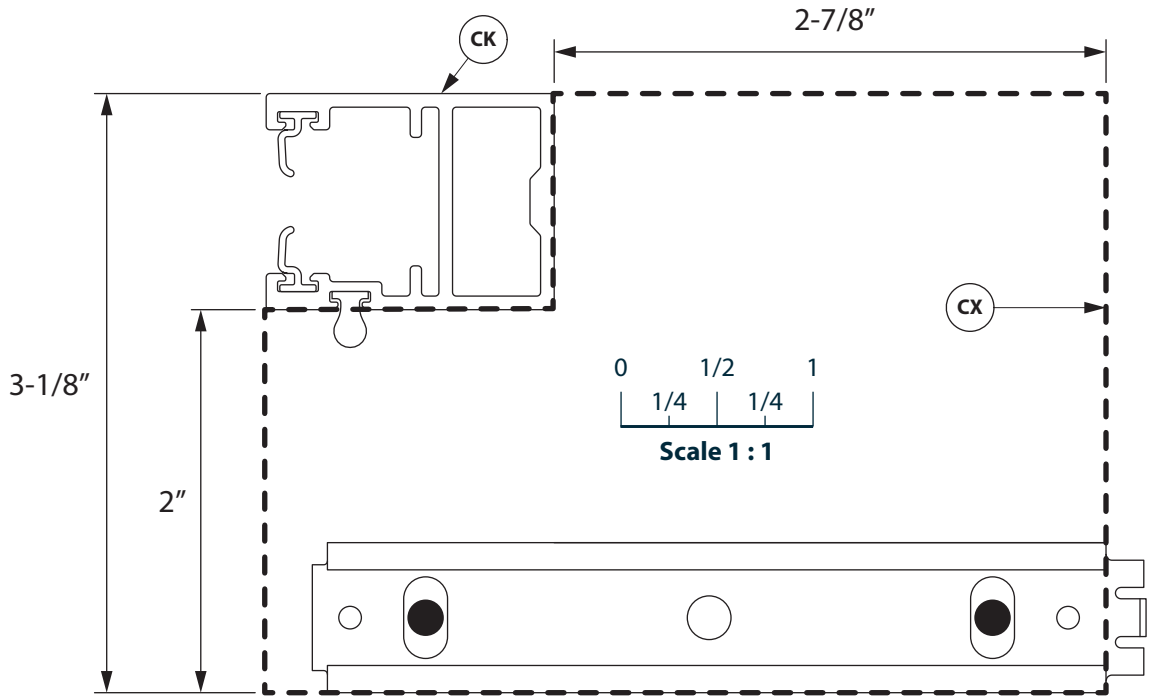


28 Install screws (S251) securing glide (CH2) to floor.



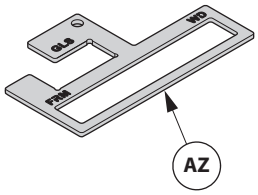
TEMPLATE - FOR FRAMED SINGLE GLAZE & WOOD DOORS



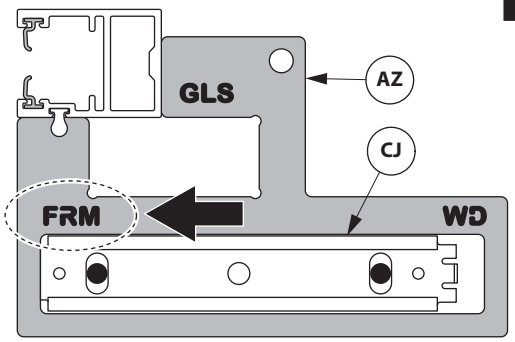


OR

NOTE: Alignment bracket (AZ) is ordered separately.

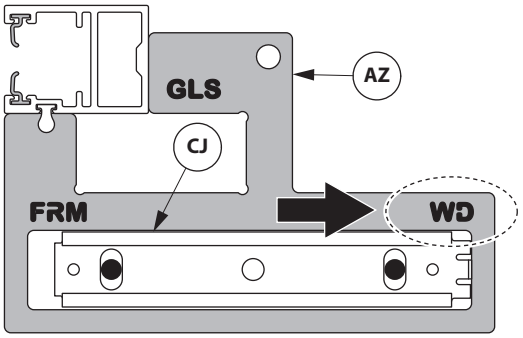


TEMPLATE - FOR FRAMED DOORS

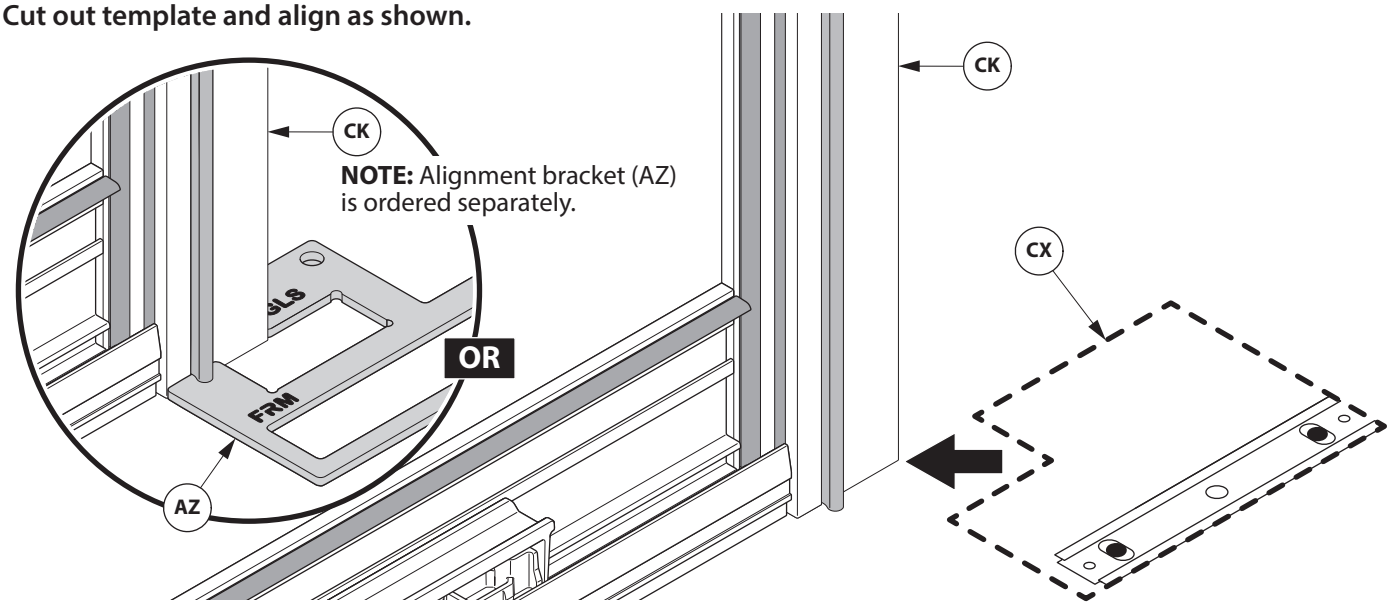


OR

TEMPLATE - FOR WOOD DOORS



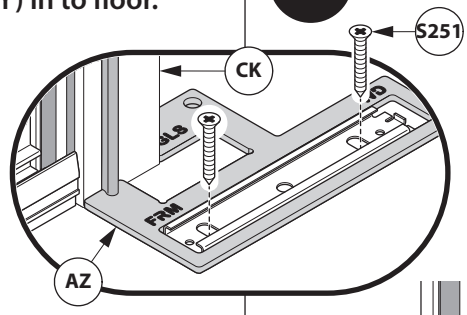
29 **Cut out template and align as shown.**

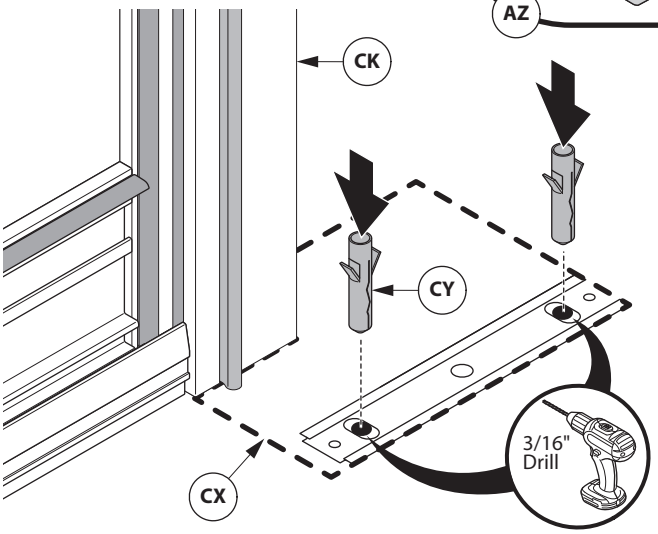


FOR FRAMED SINGLE GLAZE & WOOD DOORS

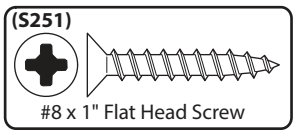
30 Pre-drill and insert anchors (CY) in to floor.

NOTE: Alignment bracket (AZ) is ordered separately.



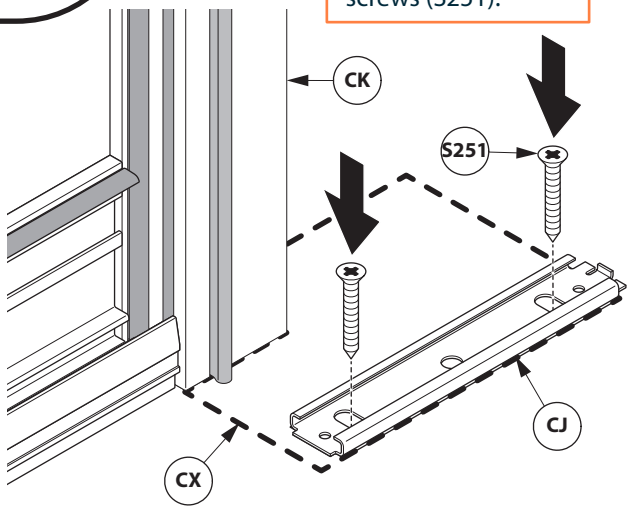


31 Secure bracket (CJ) to floor.



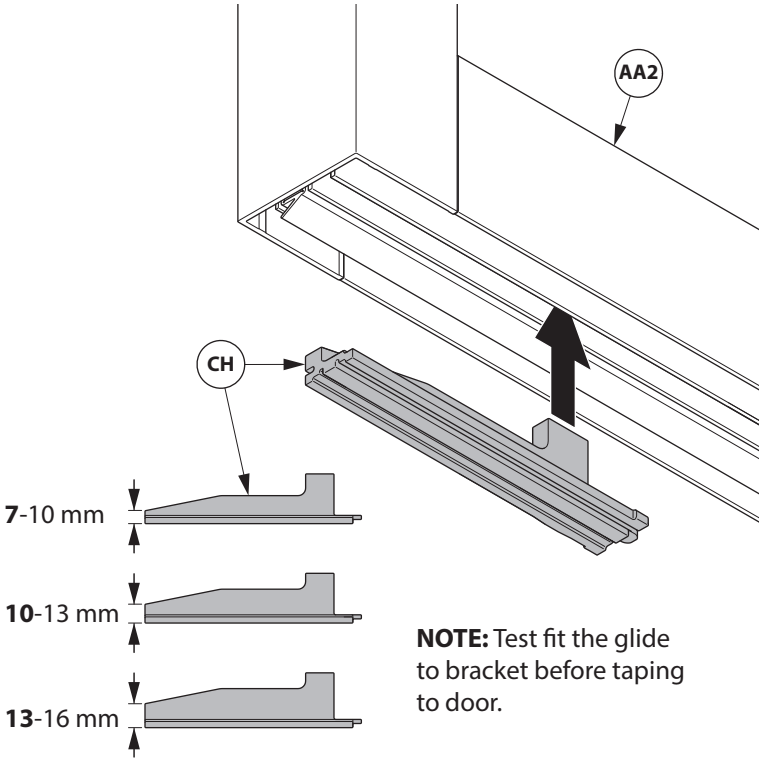
Important

Do not overtighten screws (S251).



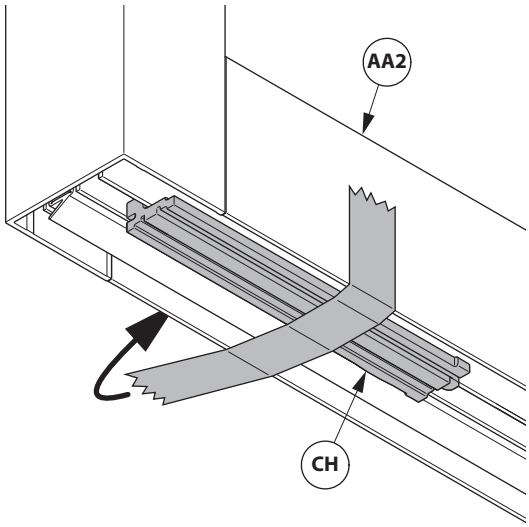
FOR FRAMED SINGLE GLAZE & WOOD DOORS

32 Insert the shortest glide (CH) as shown.



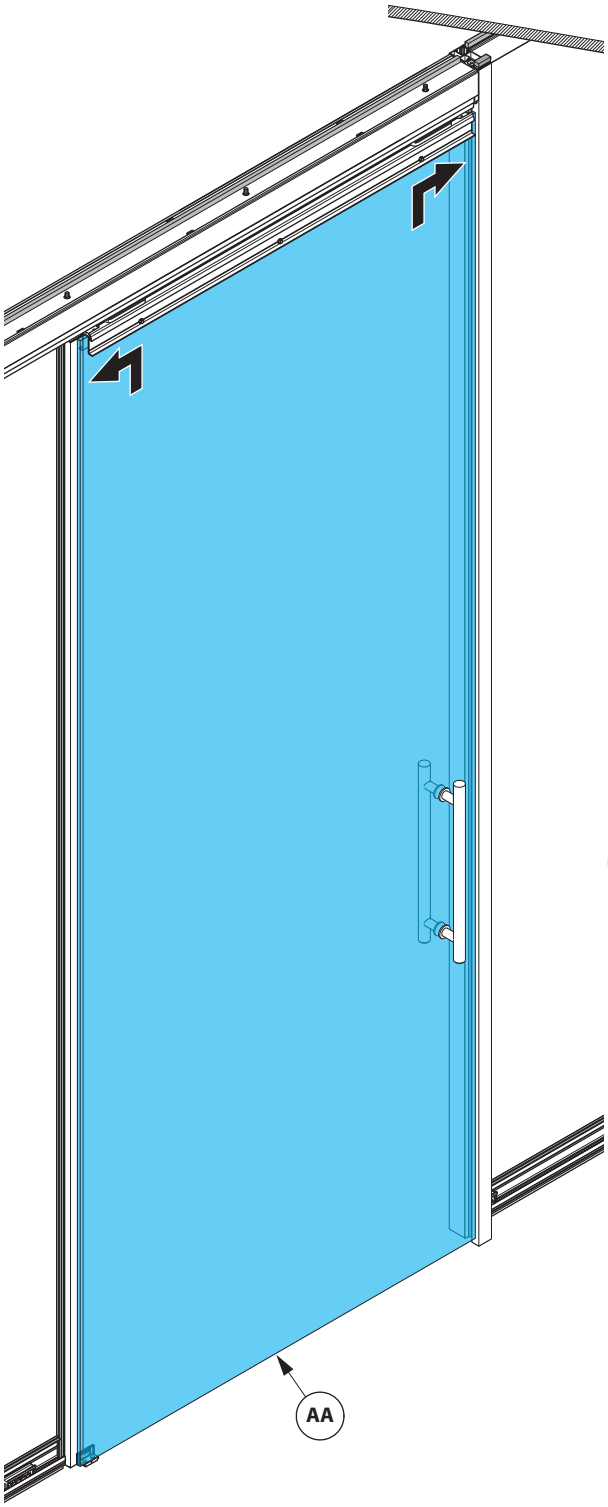
NOTE: Test fit the glide to bracket before taping to door.

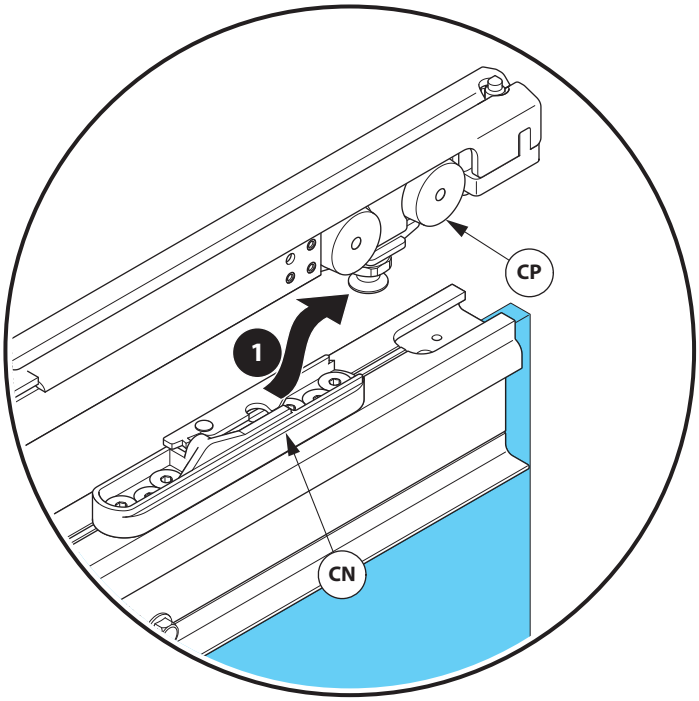
33 Temporarily tape glide in place as shown.

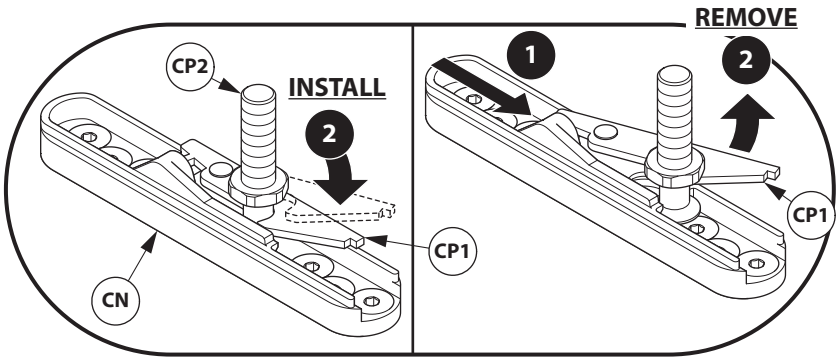


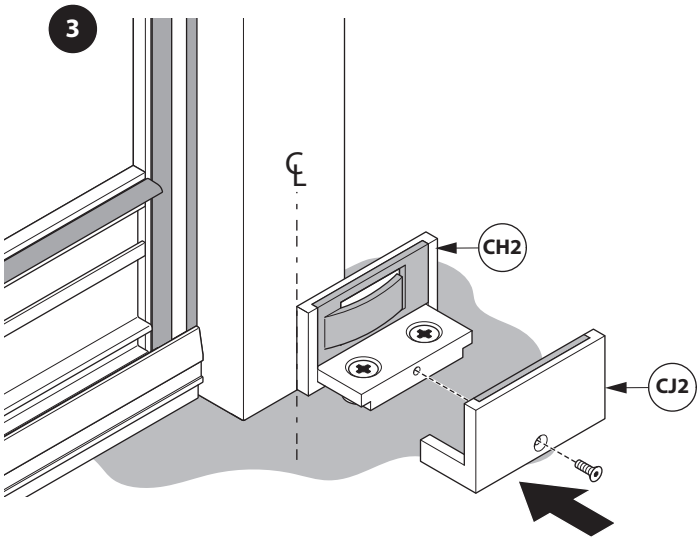
FOR GLASS SLAB DOORS

34 **Clip soft close brackets (CN) onto trolley studs (CP2), and close locking plates (CN1). Repeat for other side.**



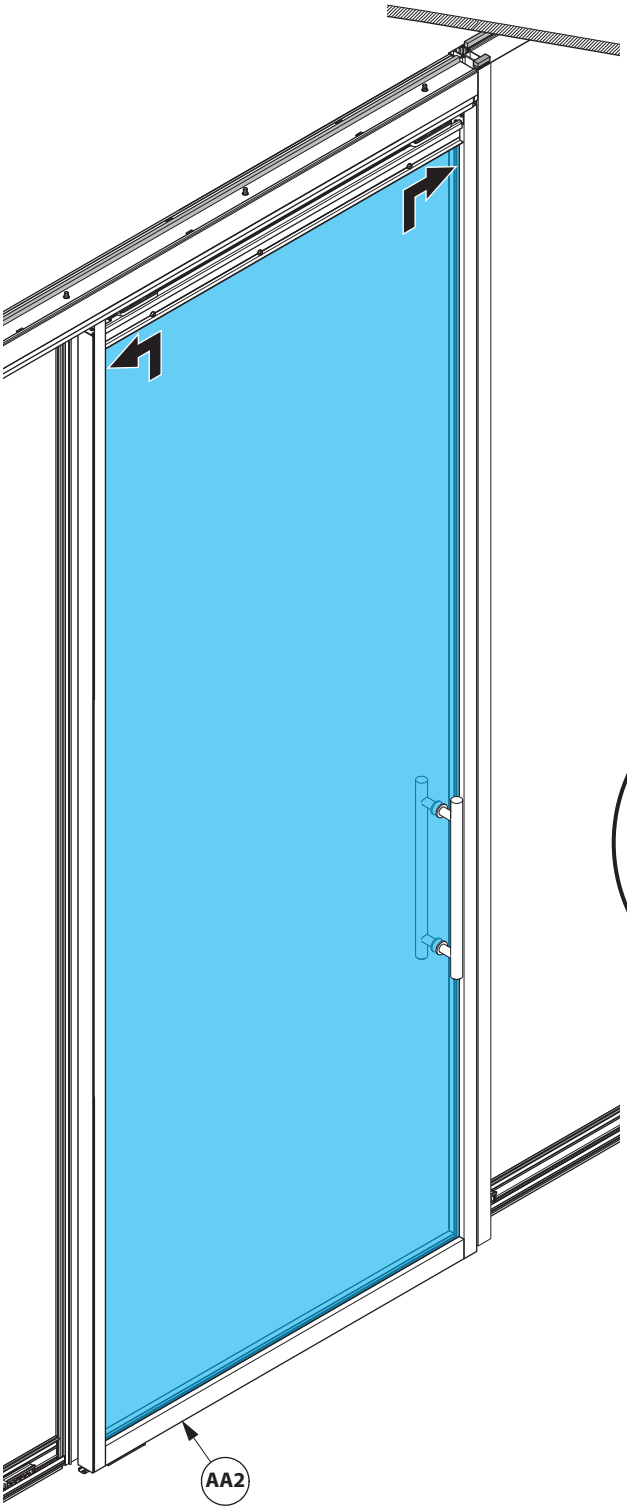


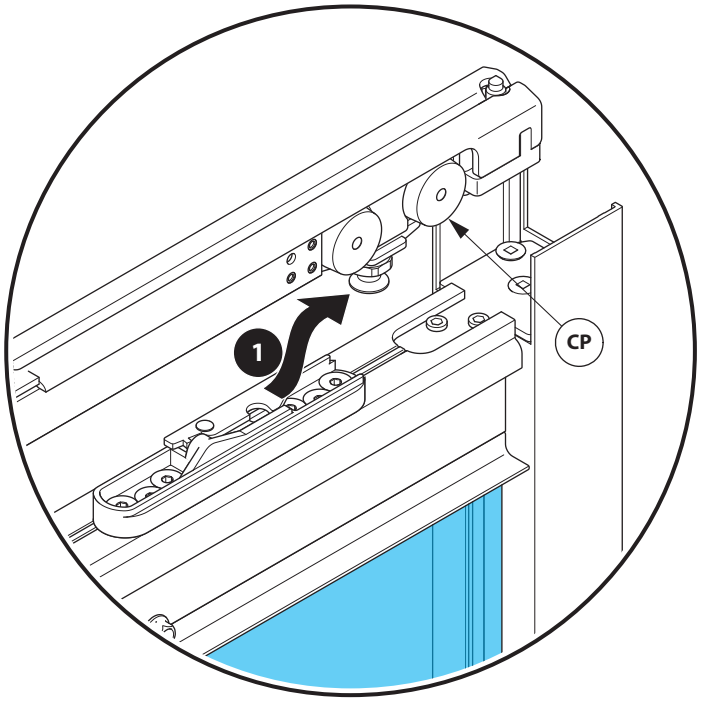


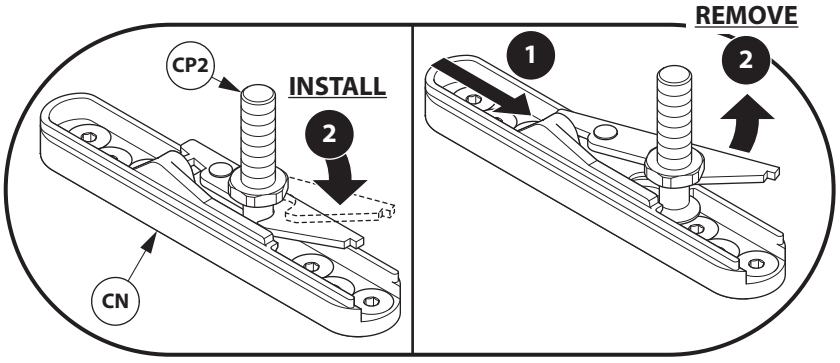


FOR FRAMED SINGLE GLAZE AND WOOD DOORS

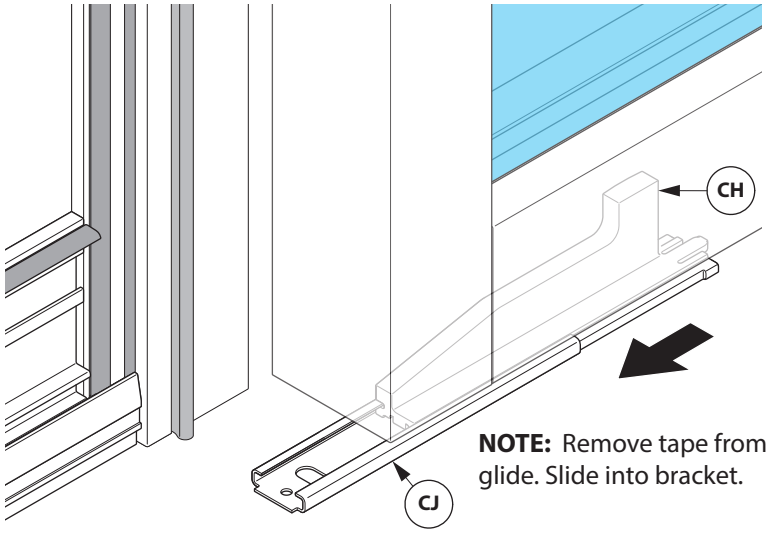
35 **Clip soft close brackets (CN) onto trolley studs (CP2), and close locking plates (CN1). Repeat for other side.**





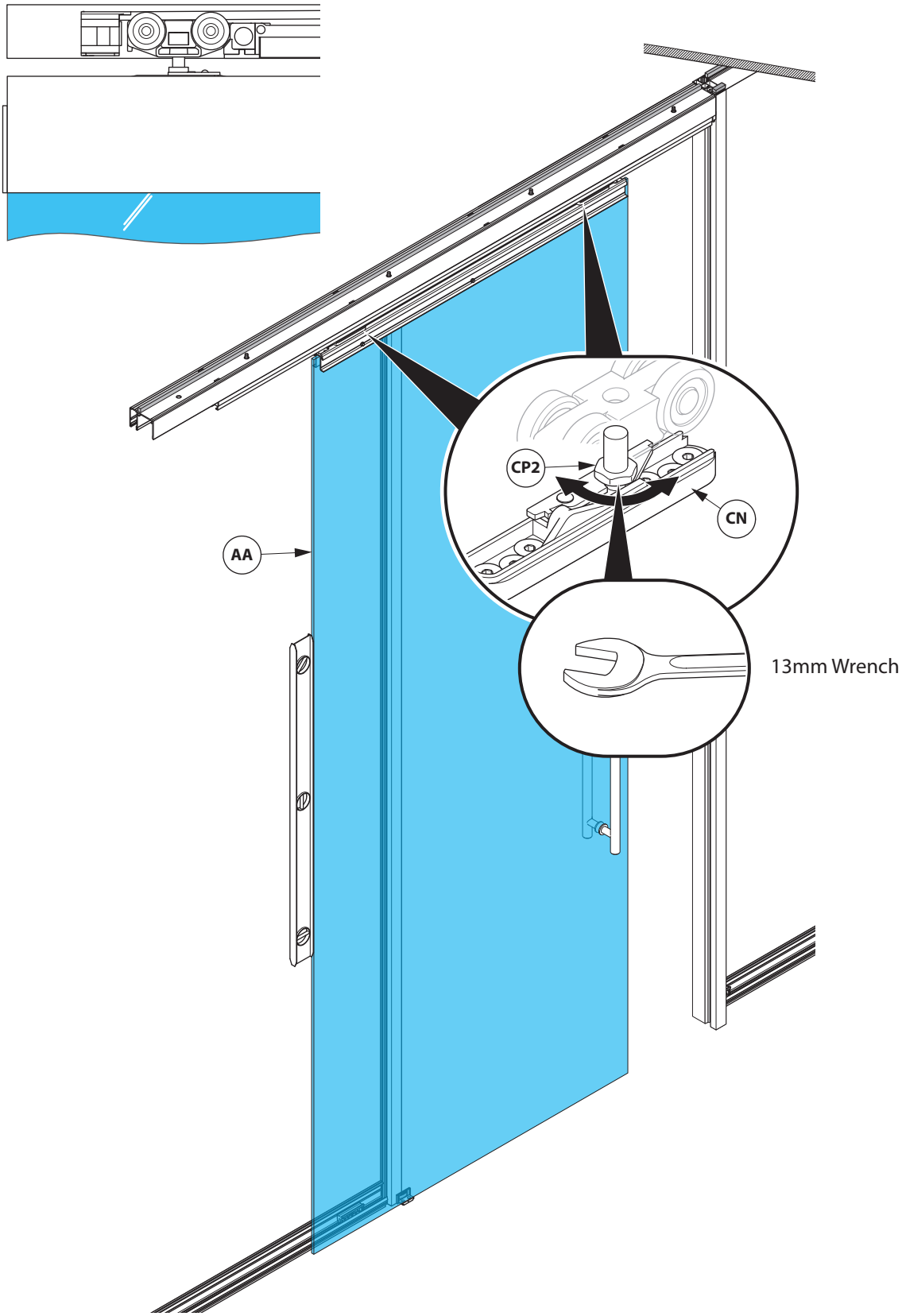


3 **NOTE:** If the door seal activates too early, adjust door bolts **(CP2)** to raise the door until seal drops properly.



NOTE: Remove tape from glide. Slide into bracket.

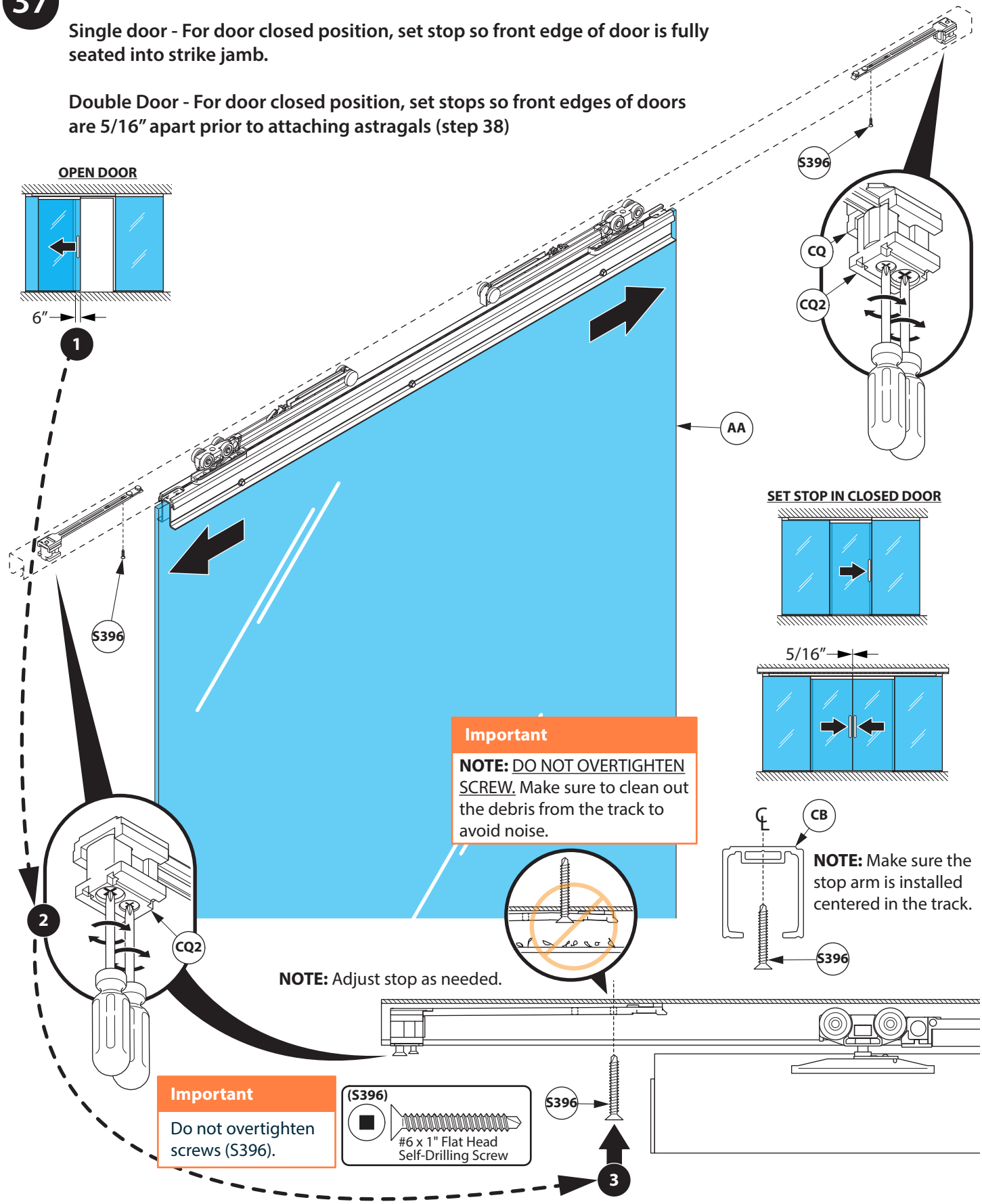
36 Adjust to fine tune the door (AA).



37 **For door open position, set stop so front edge of door to bypass jamb is 6”**

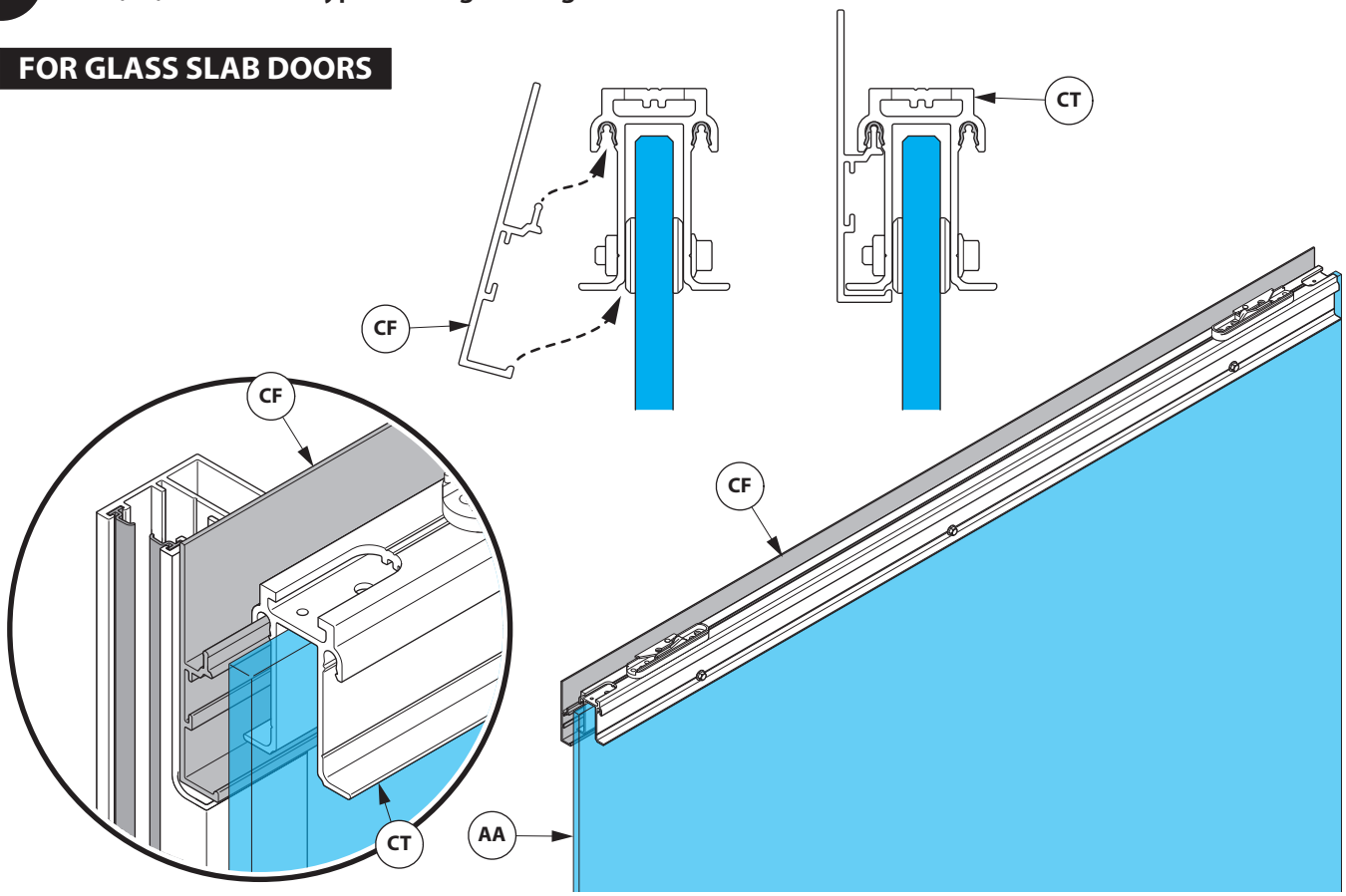
Single door - For door closed position, set stop so front edge of door is fully seated into strike jamb.

Double Door - For door closed position, set stops so front edges of doors are 5/16” apart prior to attaching astragals (step 38)



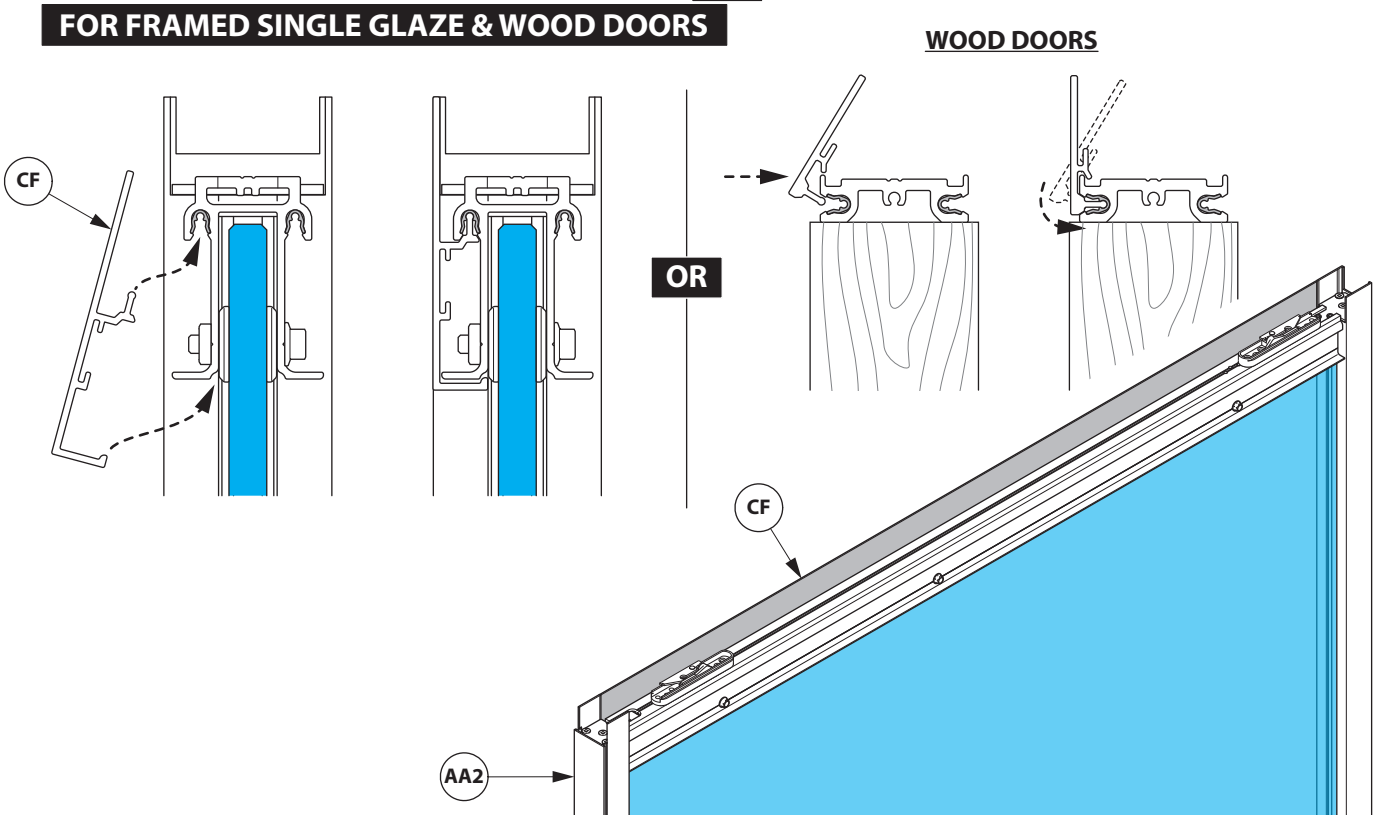
38 **Attach glass clamp clad (CF) to side of clamp rail (CT) on opposite side from shim side of track. Align the clad (CF) end to the bypass side glass edge.**

FOR GLASS SLAB DOORS

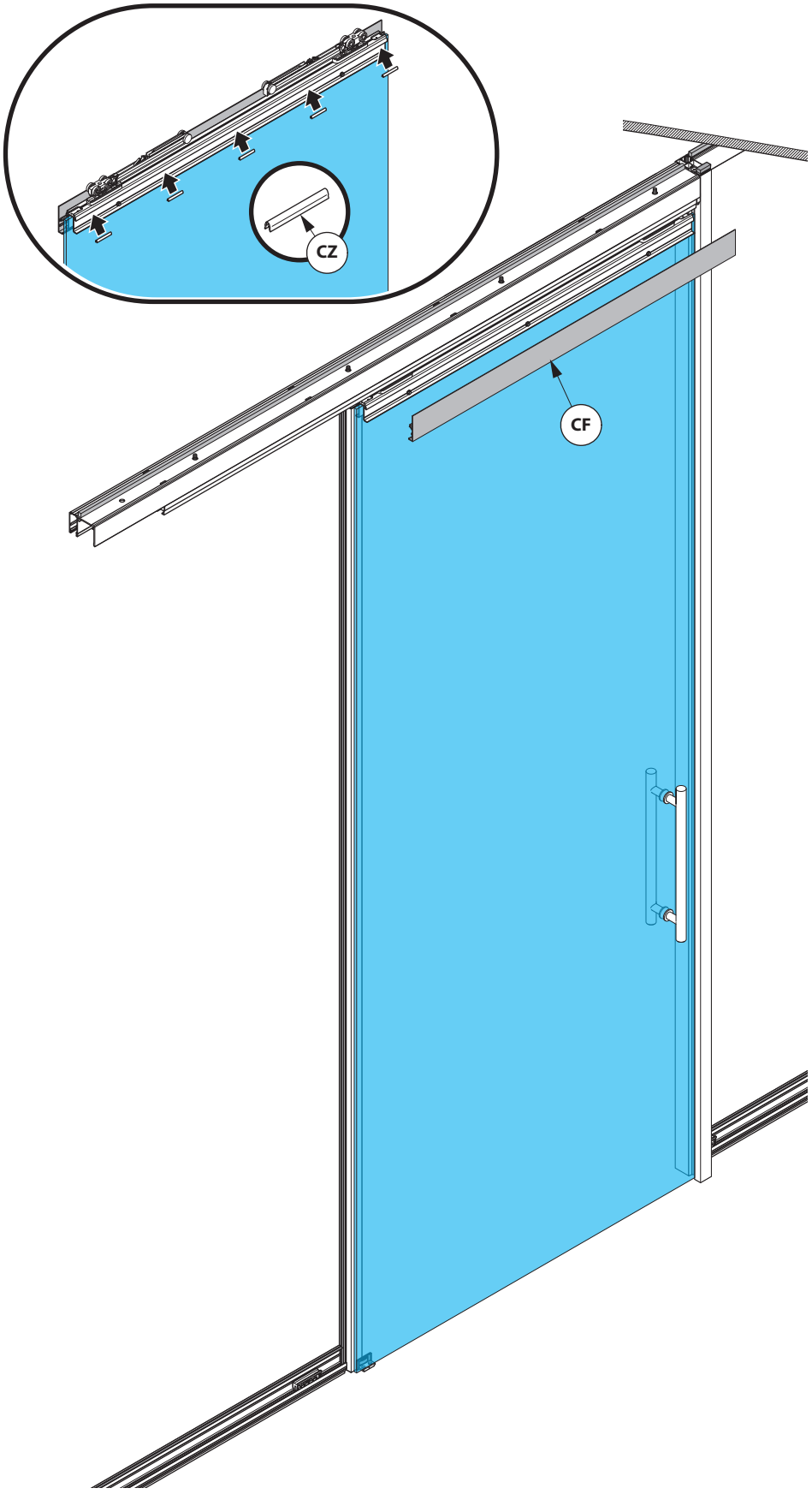


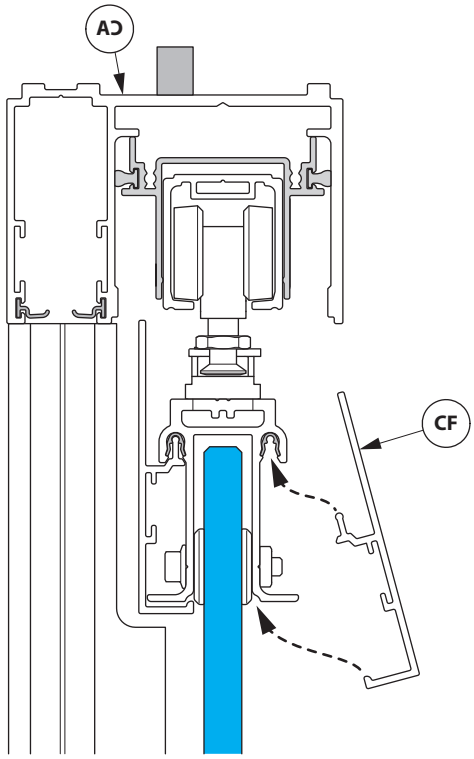
OR

FOR FRAMED SINGLE GLAZE & WOOD DOORS



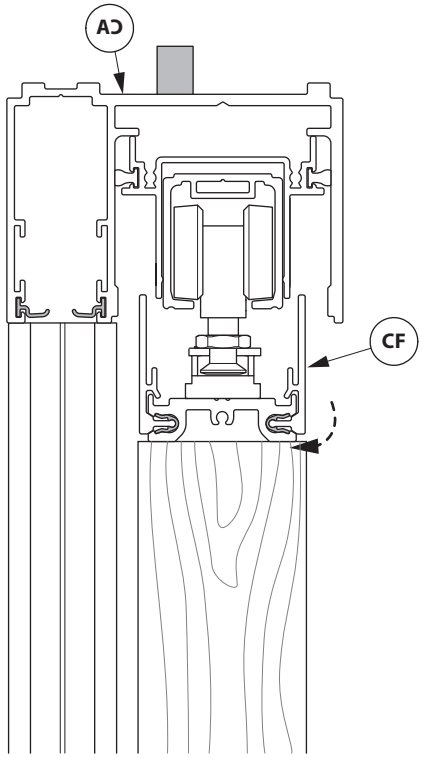
39 Space rubber grommets (CZ) equally and attach glass clamp clad (CF) to door leaf.



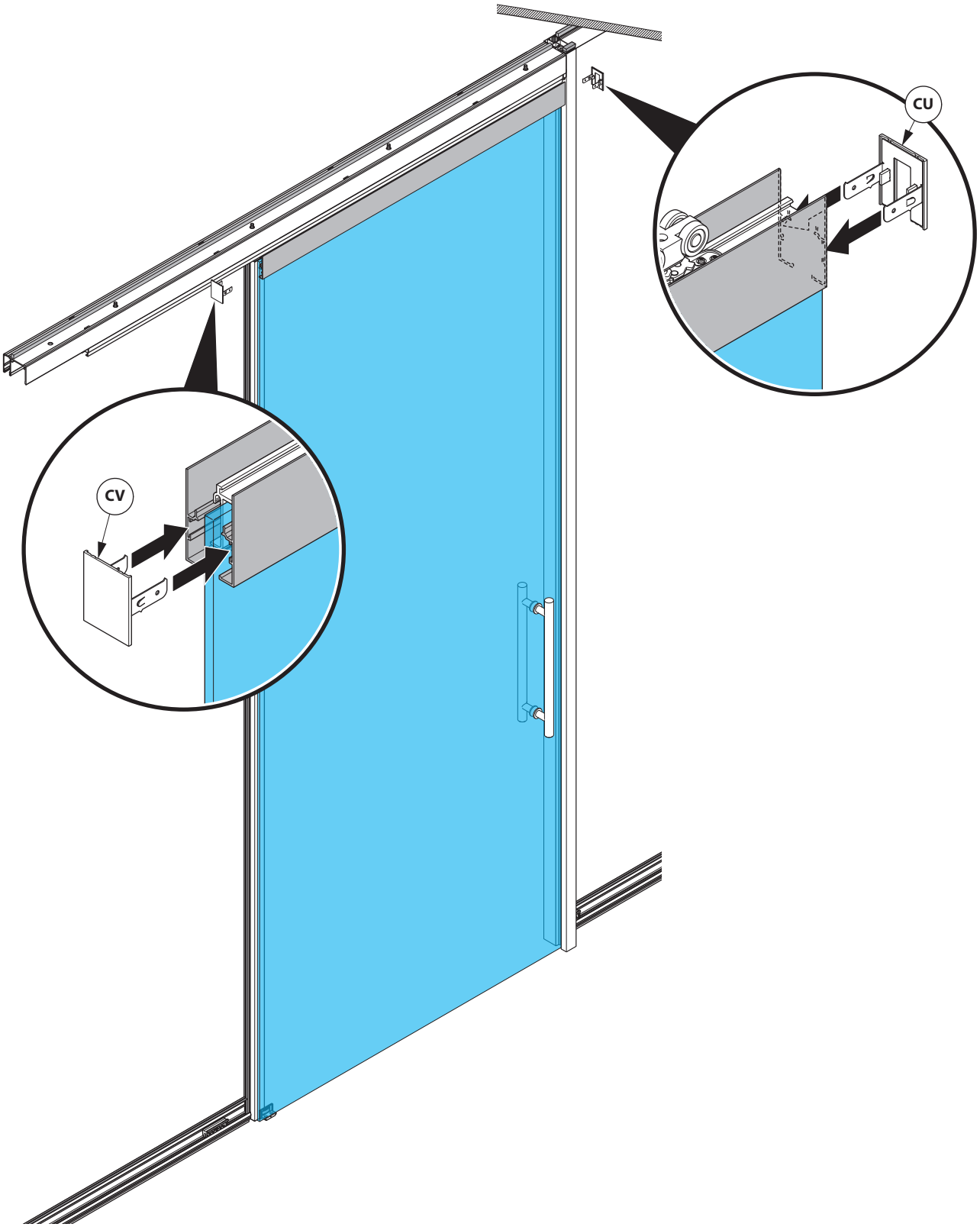


OR

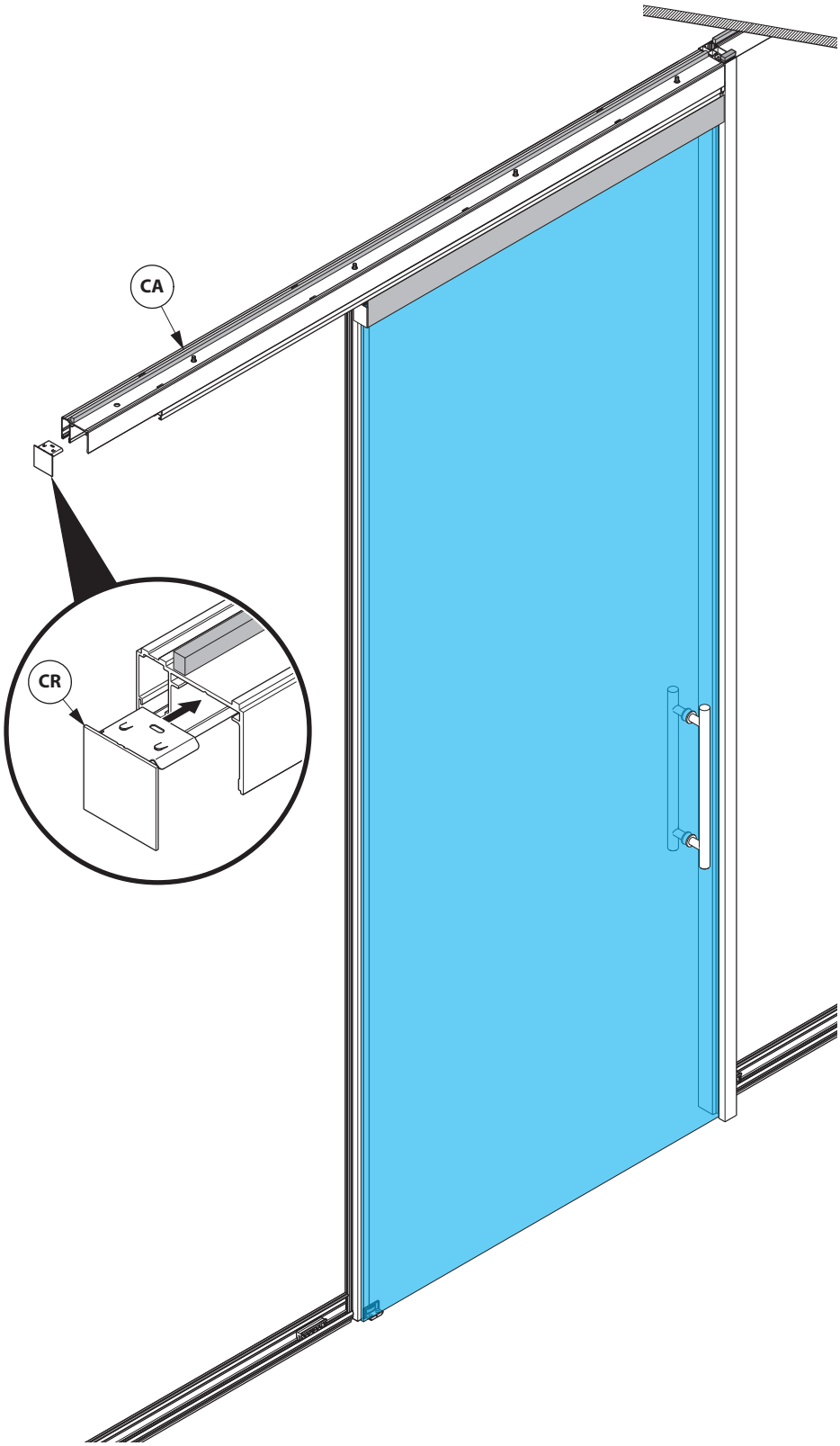
WOOD DOORS



40 Attach bypass (CV) and strike side (CU) end caps to door leaf clad.



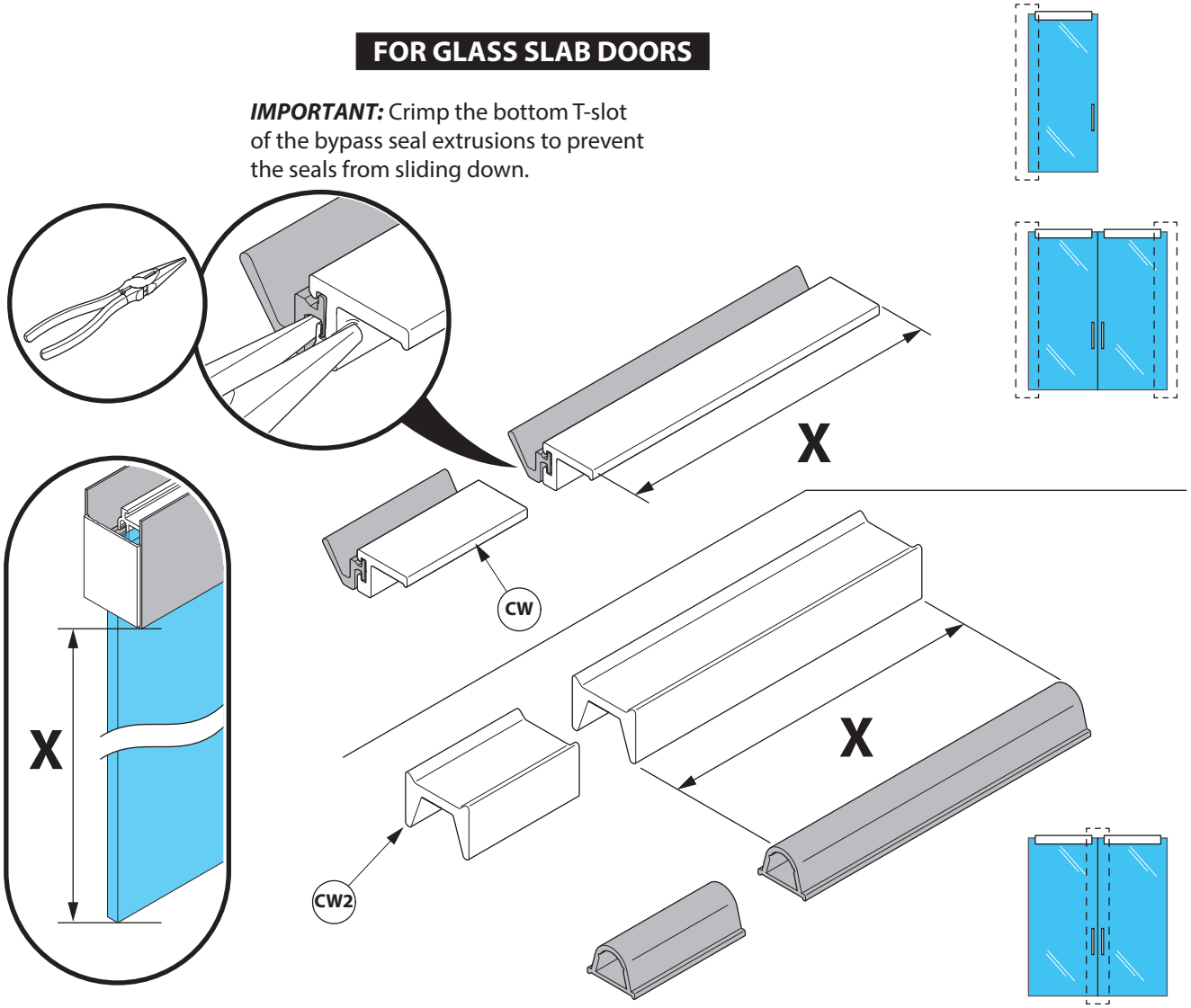
41 Attach end cap (CR) to header rail (CA).



42 **Cut bypass seal (CW) and double door (CW2) seals to height of bottom edge of glass to glass clamp clad.**

FOR GLASS SLAB DOORS

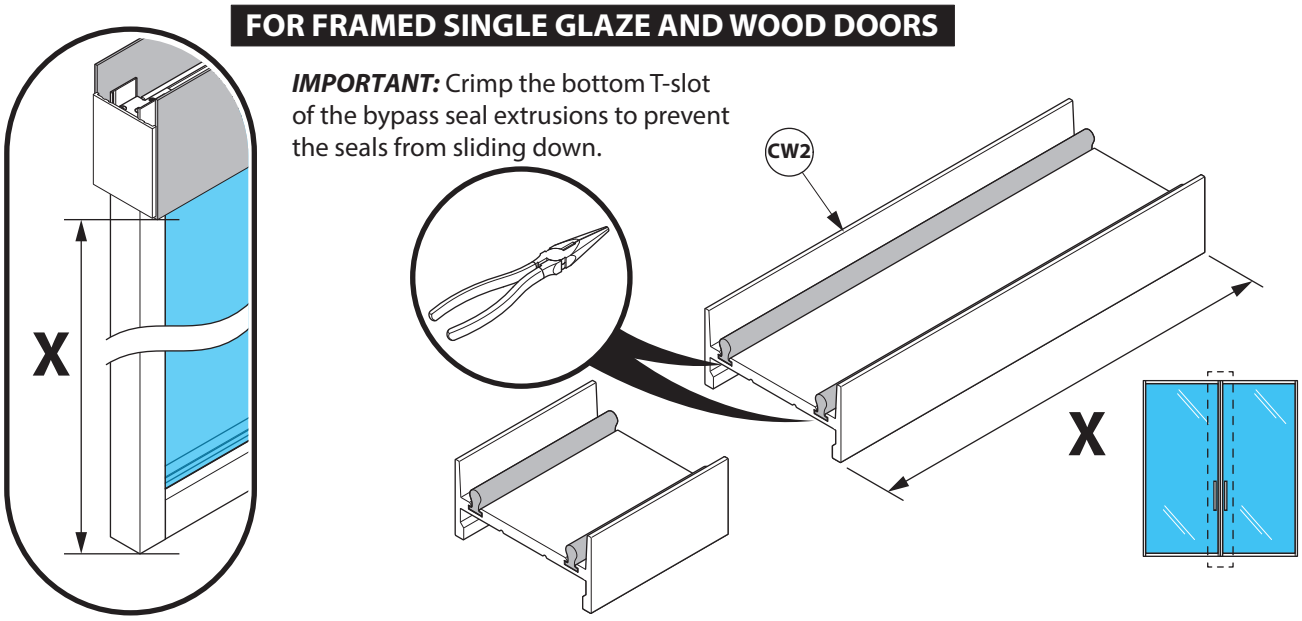
IMPORTANT: Crimp the bottom T-slot of the bypass seal extrusions to prevent the seals from sliding down.



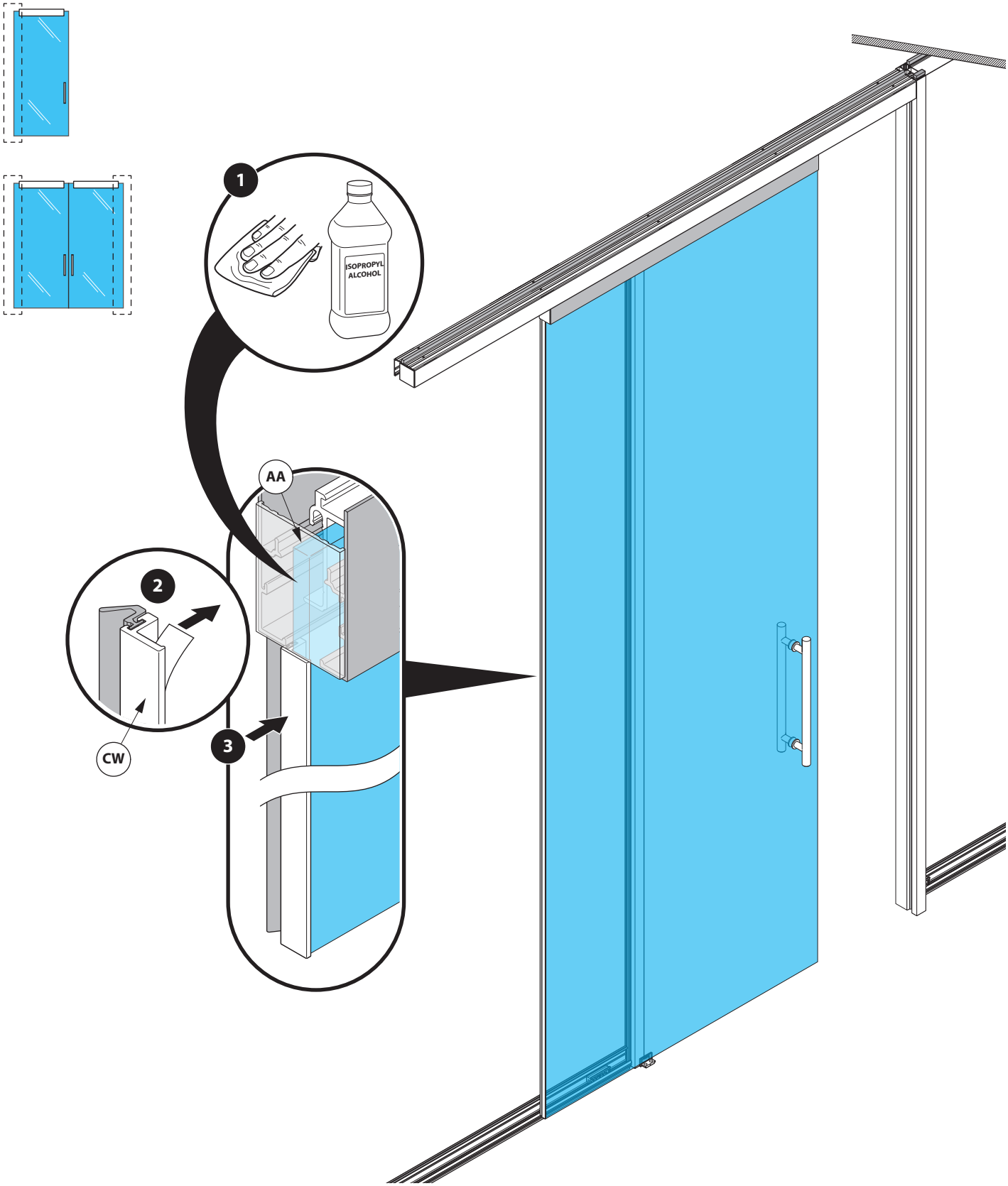
OR

FOR FRAMED SINGLE GLAZE AND WOOD DOORS

IMPORTANT: Crimp the bottom T-slot of the bypass seal extrusions to prevent the seals from sliding down.

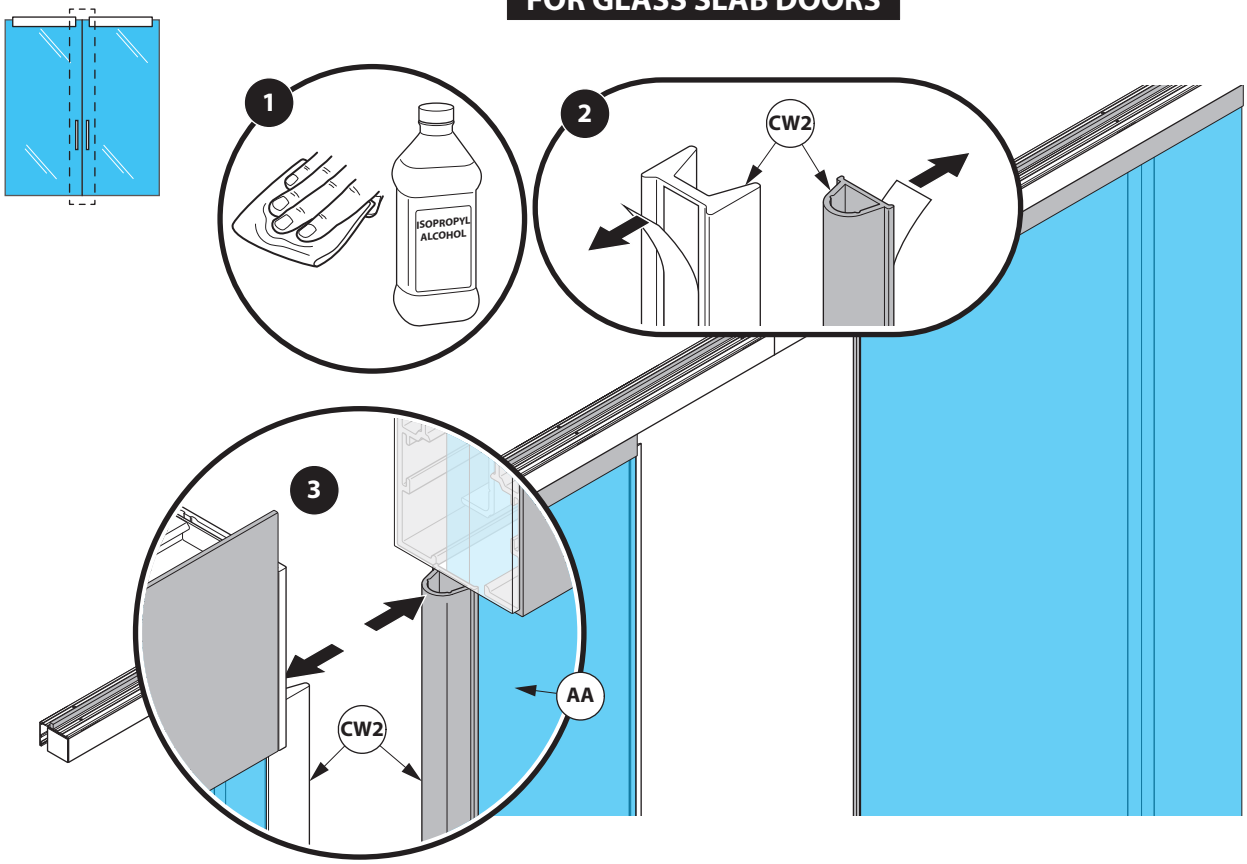


43 **Clean edge of glass (AA) with isopropyl alcohol and adhere bypass seal (CW) to bypass glass edge with seal on bypass jamb side.**



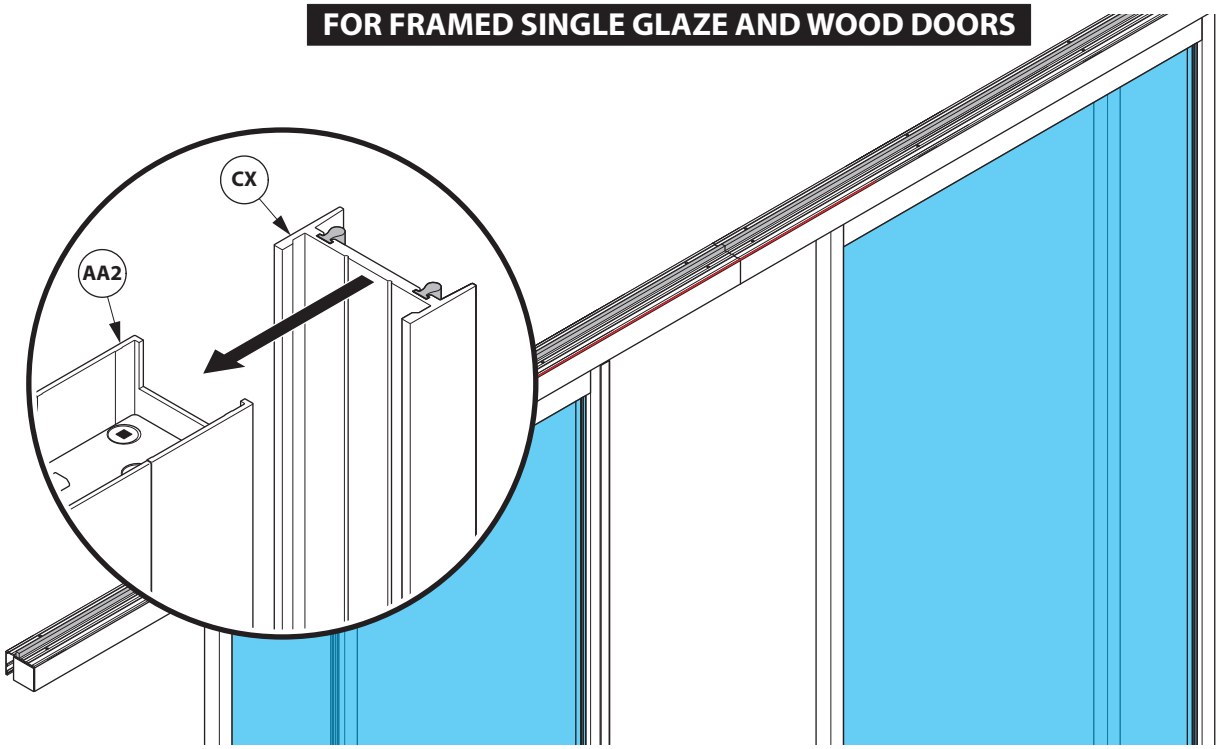
44 **Clean edge of glass (AA) with isopropyl alcohol and adhere seal (CW2) to glass edge with seal.**

FOR GLASS SLAB DOORS



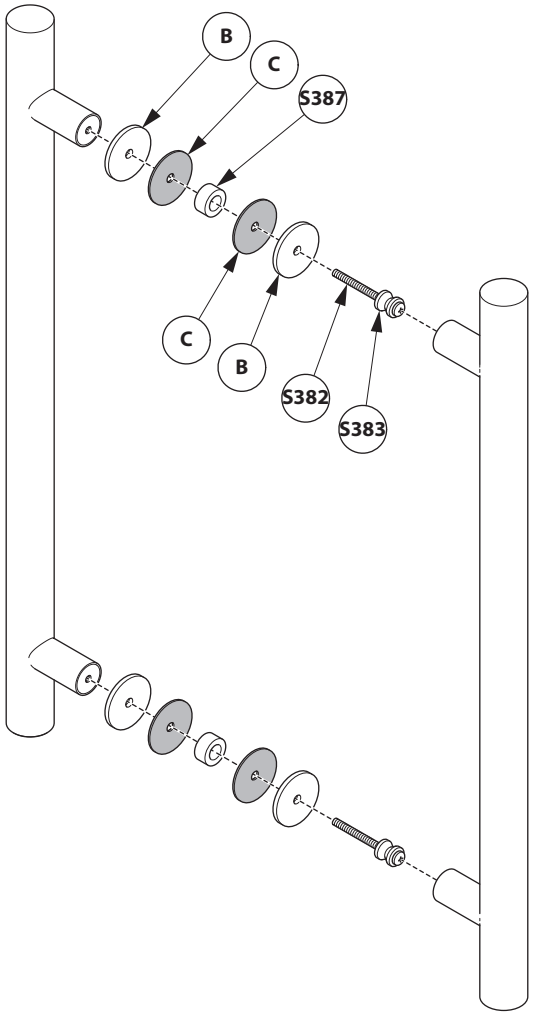
OR

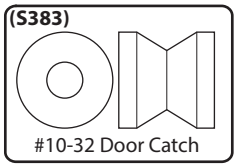
FOR FRAMED SINGLE GLAZE AND WOOD DOORS

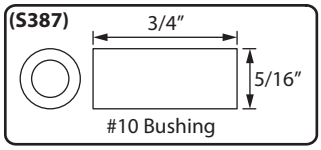


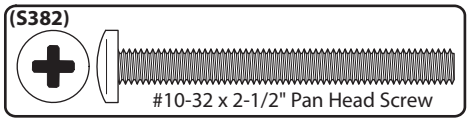
Double Glazed Door

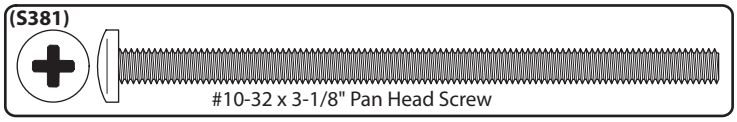
10.1 COMPONENTS

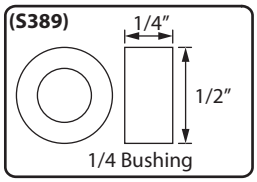






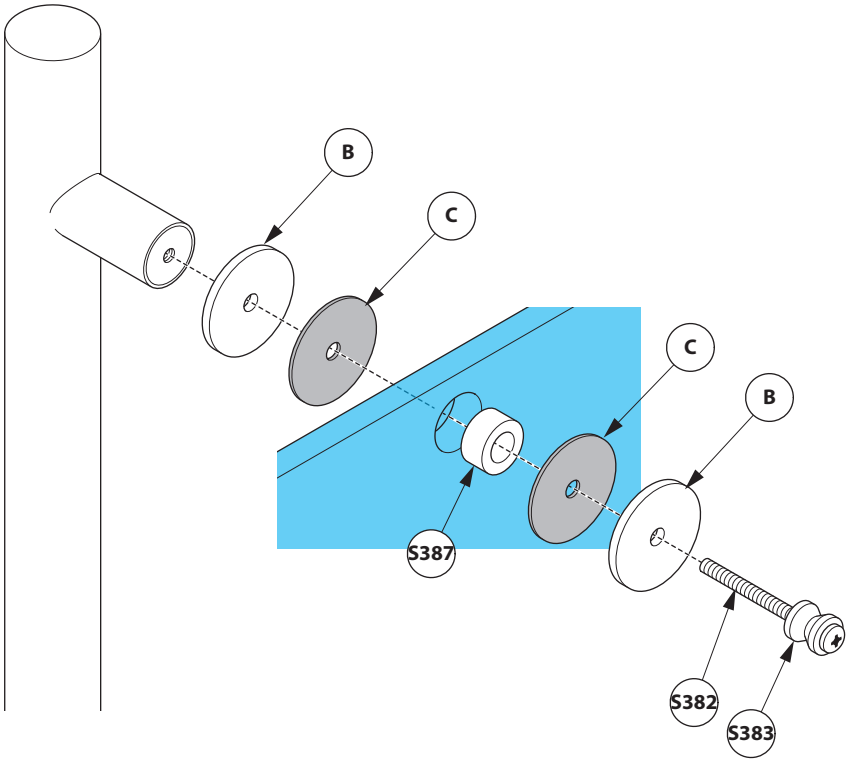




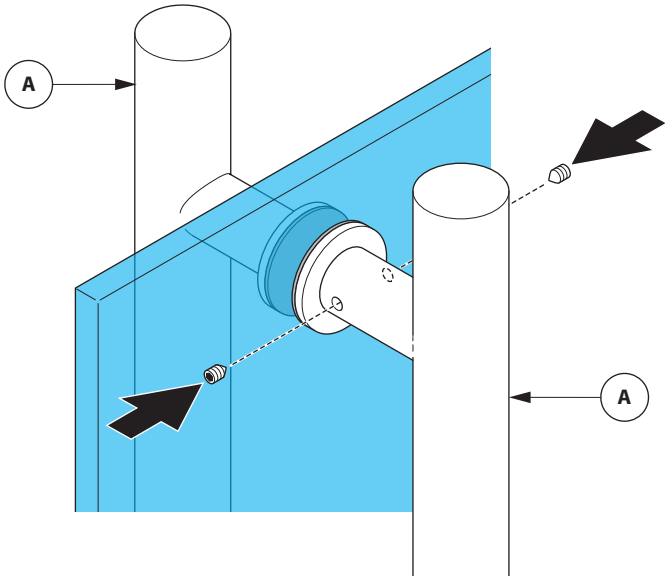


Options - D-Pull Spacers for Single Glazed/Wood Doors Only

1



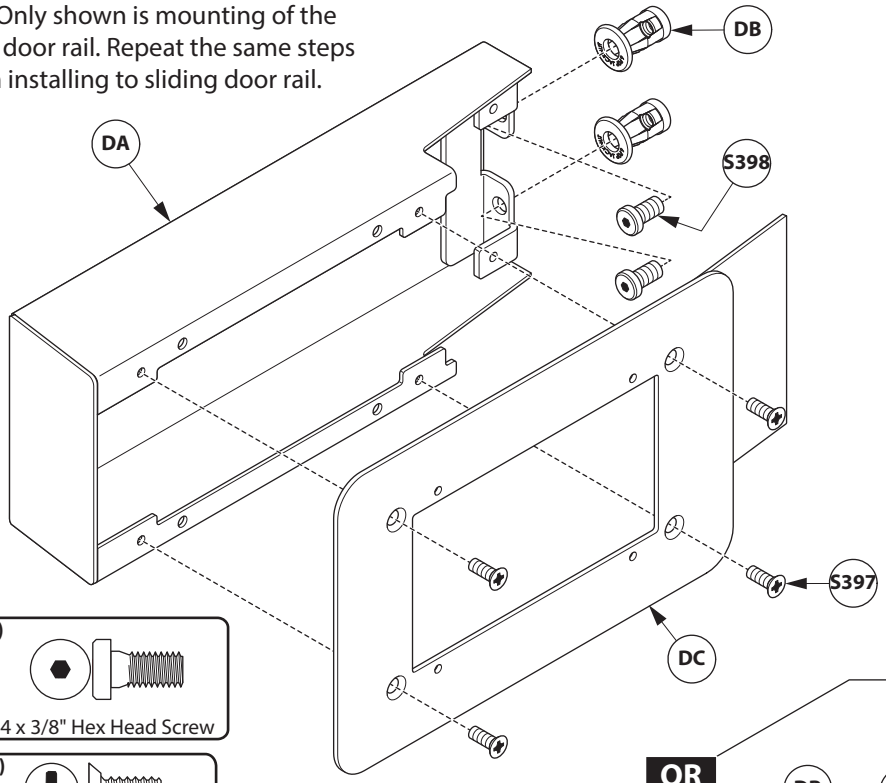
2



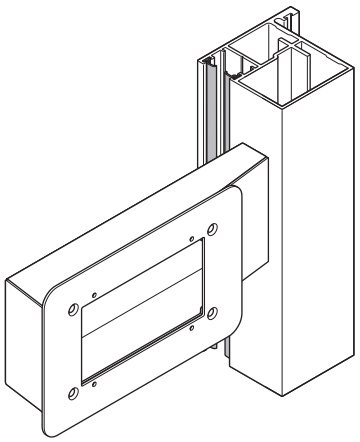
Scheduler Options

11.1 ROOM SCHEDULER

NOTE: The scheduler can be mounted on both sliding door and pivot door rails. Only shown is mounting of the pivot door rail. Repeat the same steps when installing to sliding door rail.



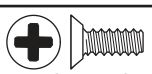
SIDE MOUNT



(S398)

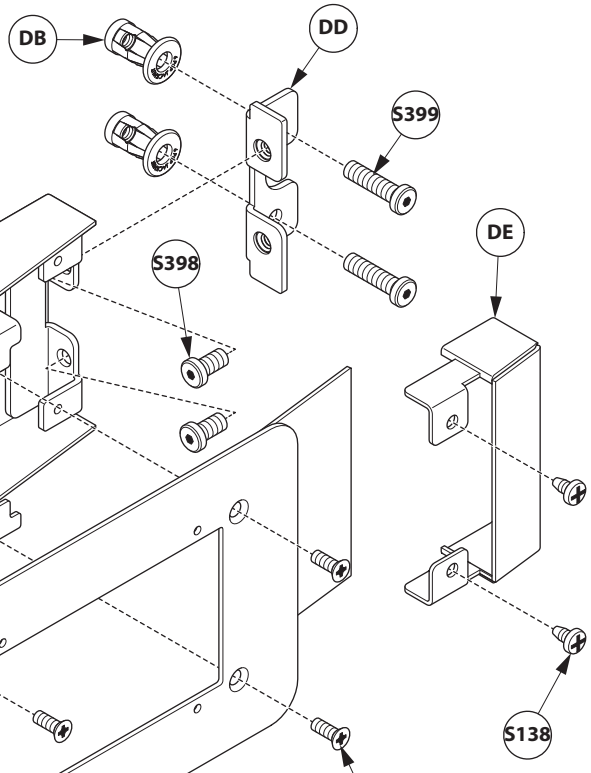
#10-24 x 3/8" Hex Head Screw

(S397)

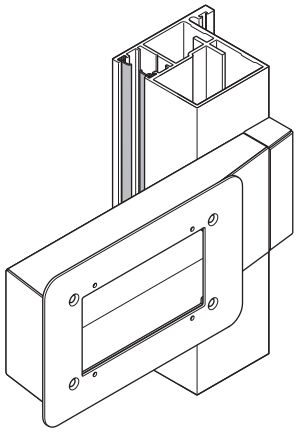


#6-32 x 3/8" Flat Head Screw

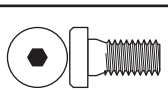
OR



FLUSH MOUNT

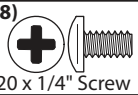


(S398)



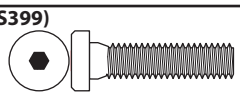
#10-24 x 3/8" Hex Head Screw

(S138)



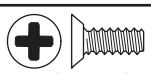
#6-20 x 1/4" Screw

(S399)



#10-24 x 3/4" Hex Head Screw

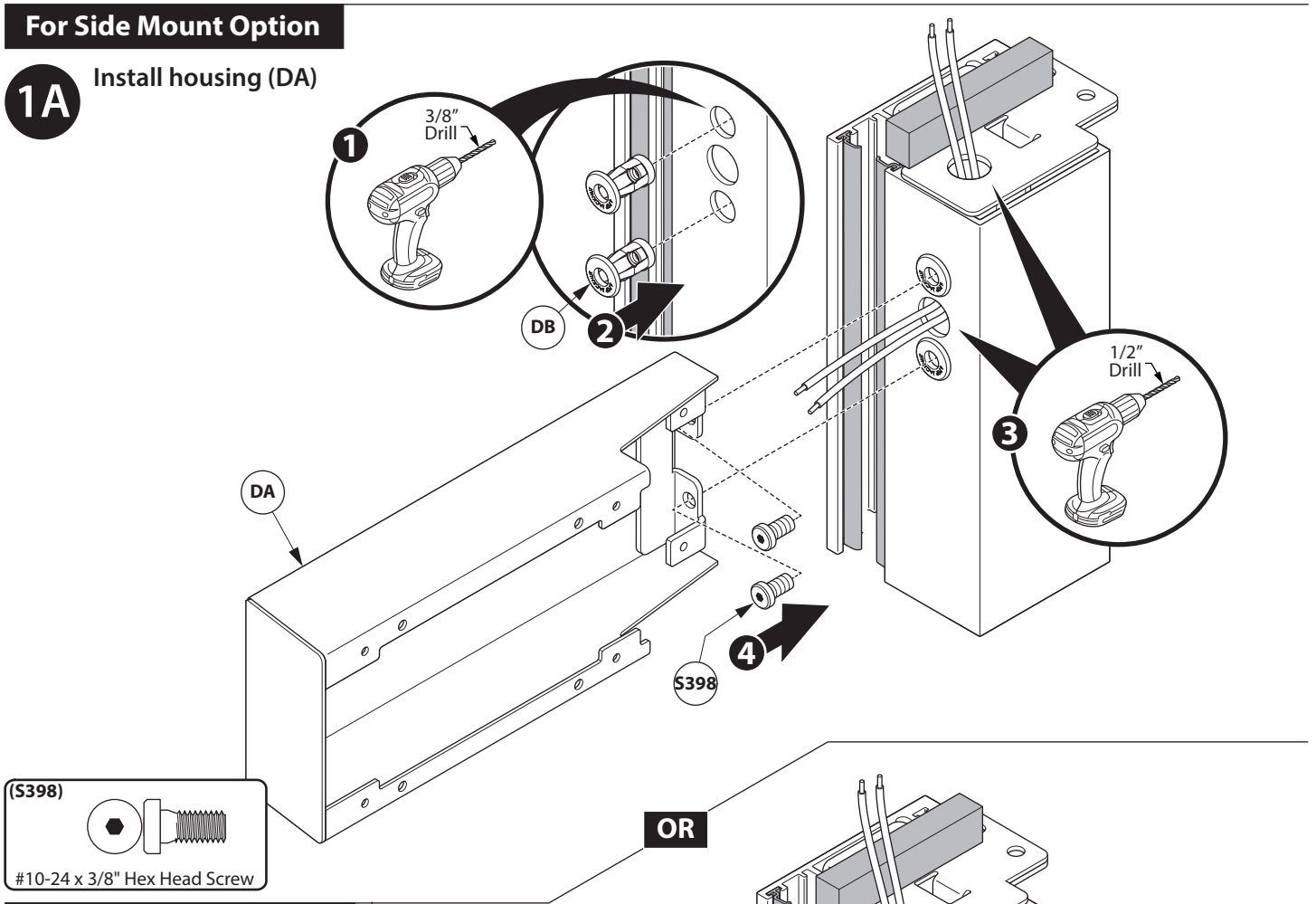
(S397)



#6-32 x 3/8" Flat Head Screw

For Side Mount Option

1A Install housing (DA)



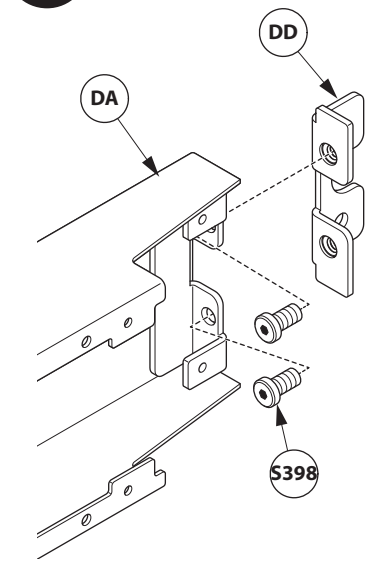
(S398)

#10-24 x 3/8" Hex Head Screw

OR

For Flush Mount Option

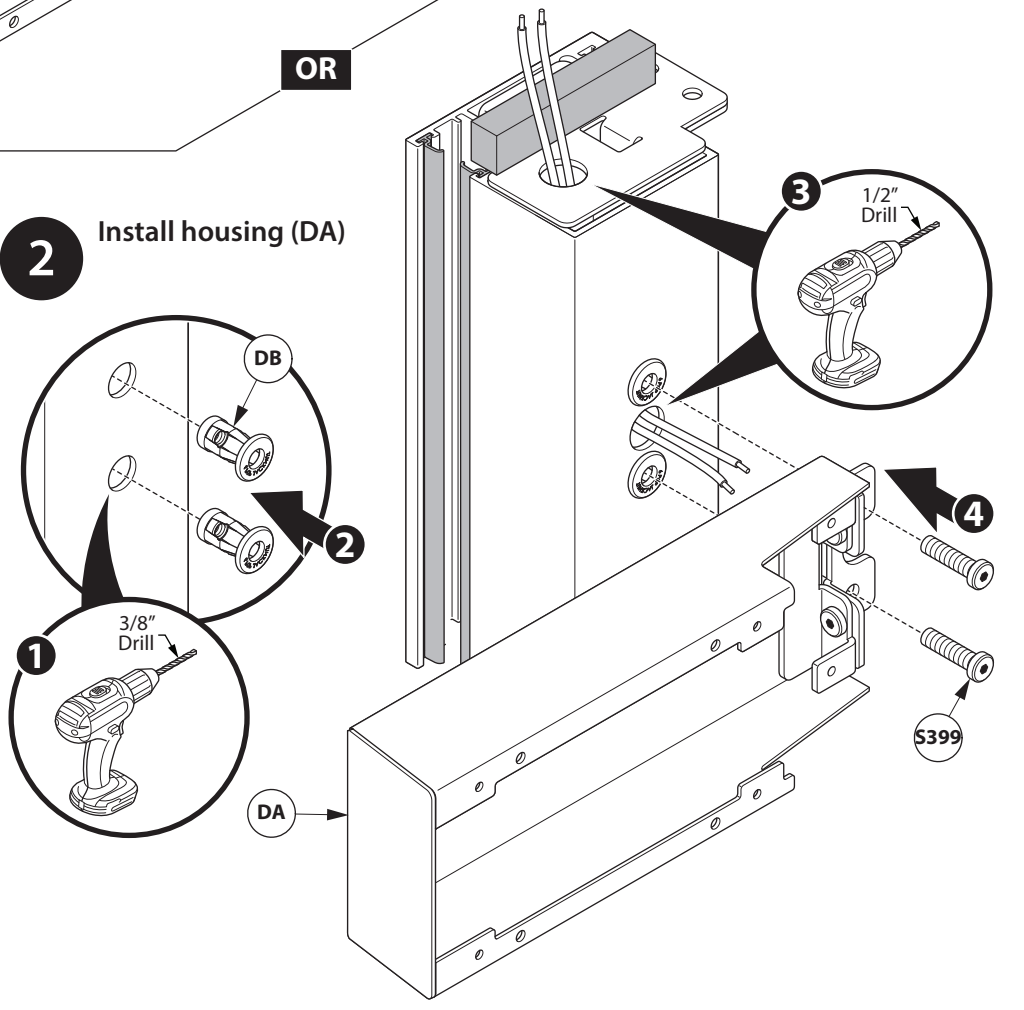
1B Install bracket (DD)



(S398)

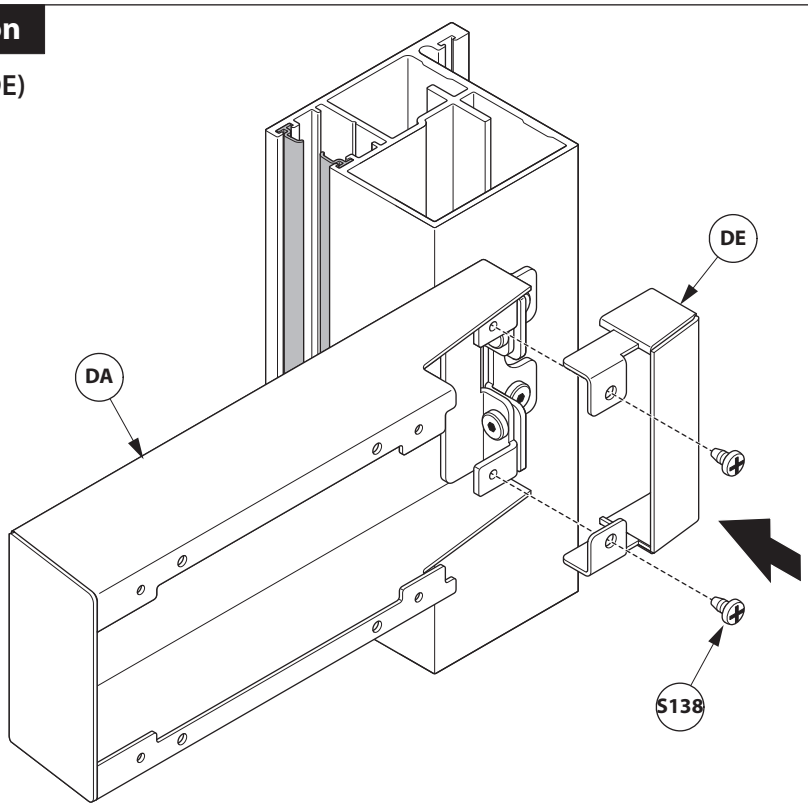
#10-24 x 3/8" Hex Head Screw

2 Install housing (DA)



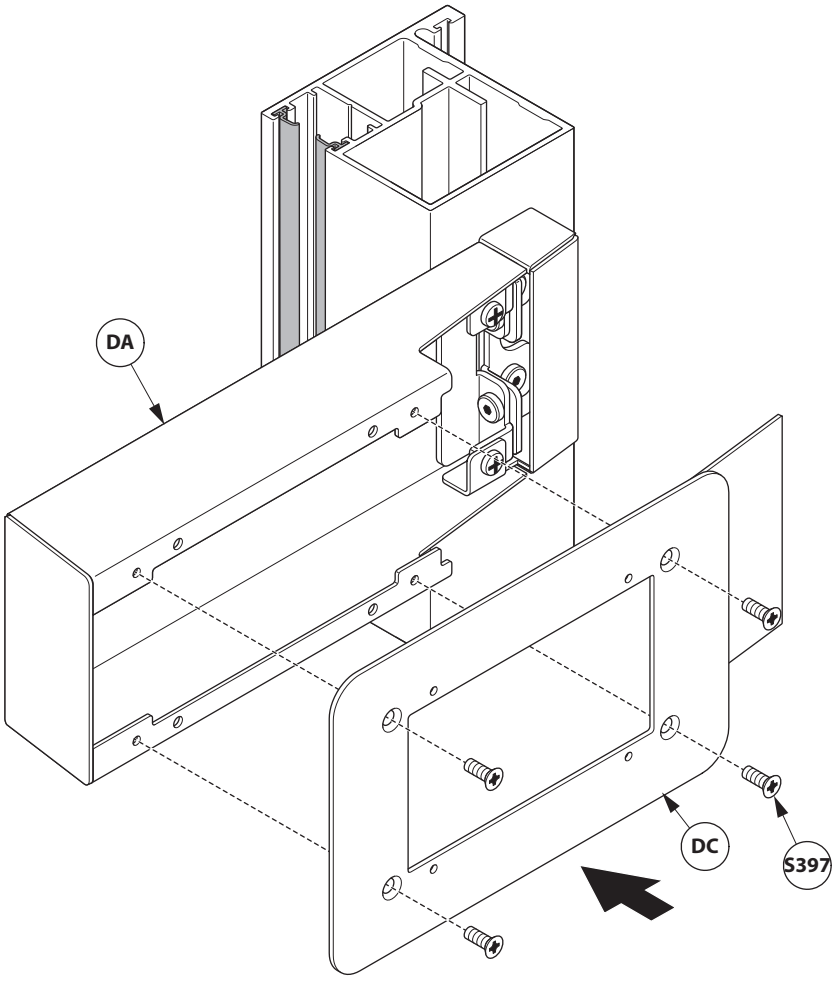
For Flush Mount Option

3 Install trim cover (DE)



(S138)
#6-20 x 1/4" Screw

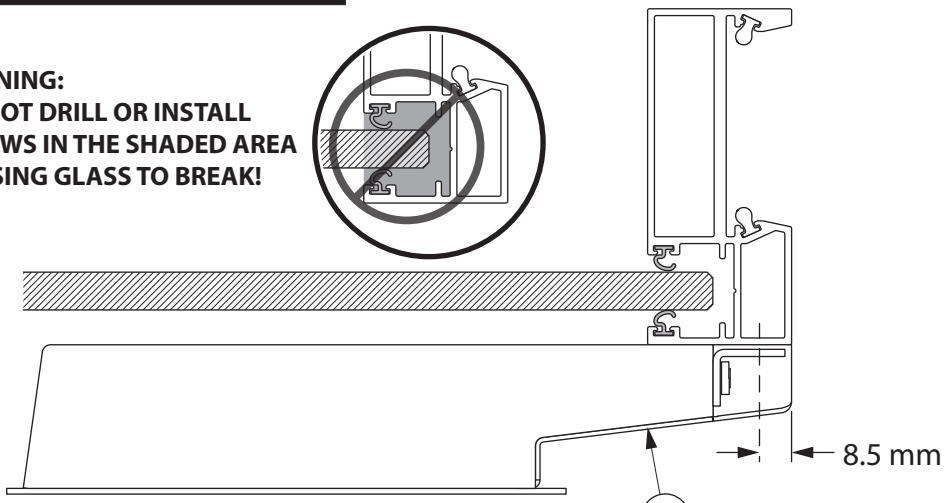
4 Install cover (DC)



(S397)
#6-32 x 3/8" Flat Head Screw

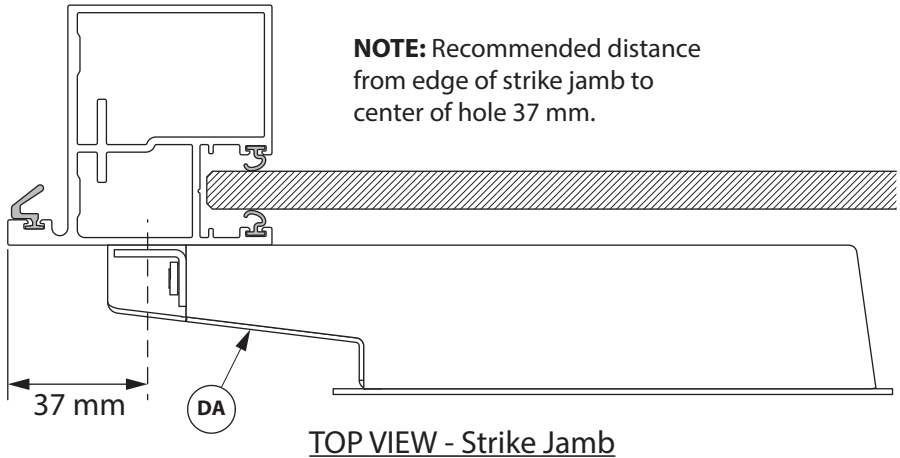
For Sliding Door Strike Jamb Option

WARNING:
DO NOT DRILL OR INSTALL SCREWS IN THE SHADED AREA CAUSING GLASS TO BREAK!



TOP VIEW

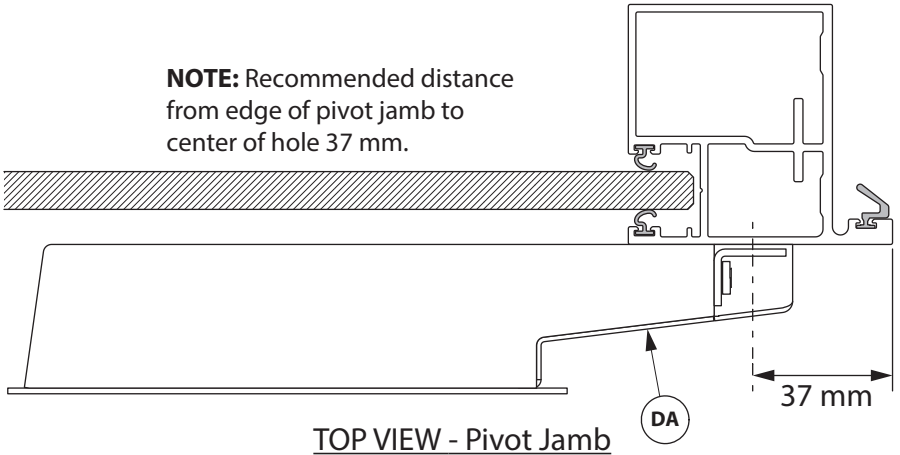
For Pivot Door Face Mount Options



NOTE: Recommended distance from edge of strike jamb to center of hole 37 mm.

TOP VIEW - Strike Jamb

OR



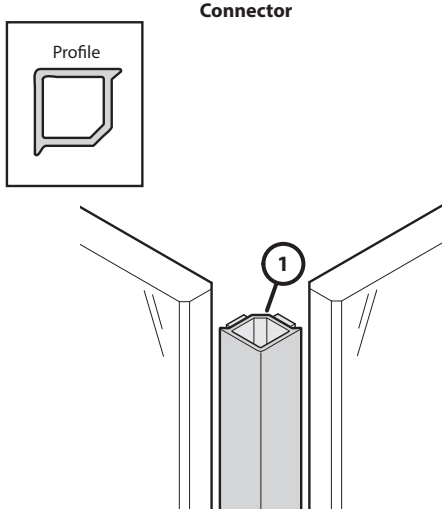
NOTE: Recommended distance from edge of pivot jamb to center of hole 37 mm.

TOP VIEW - Pivot Jamb

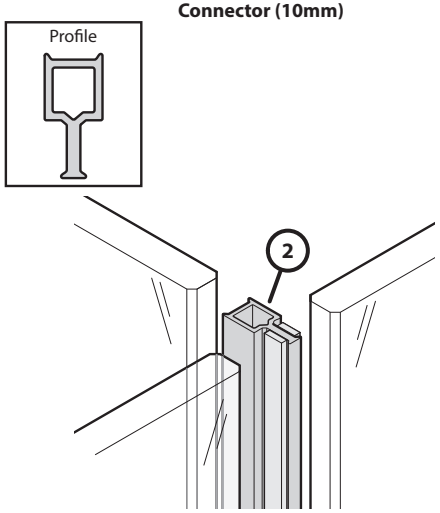
Glazing Connectors

11.1 SERVICE PARTS

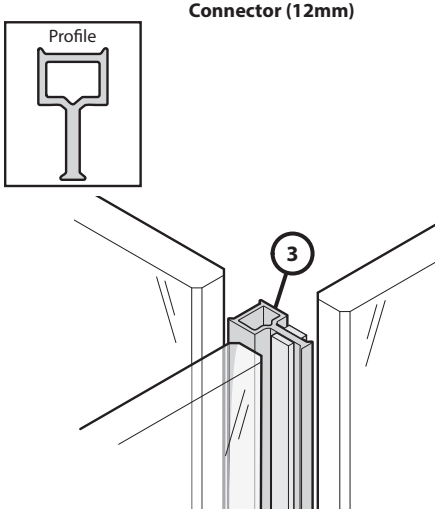
Plastic 2-Way 90 Glazing Connector



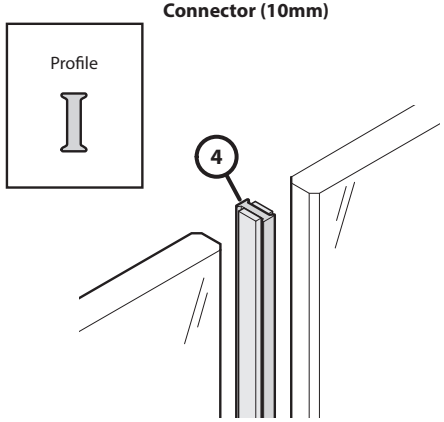
Plastic 3-Way 90 Glazing Connector (10mm)



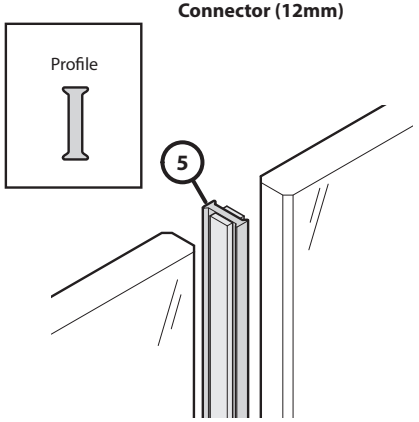
Plastic 3-Way 90 Glazing Connector (12mm)



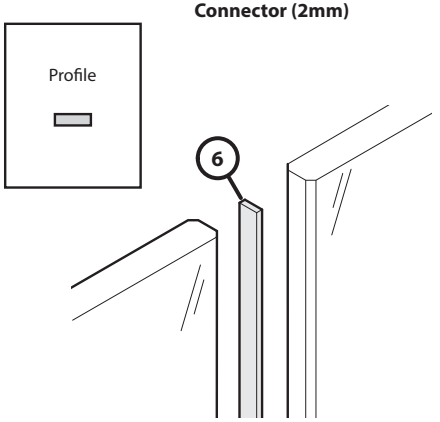
Plastic Inline Glazing Connector (10mm)



Plastic Inline Glazing Connector (12mm)



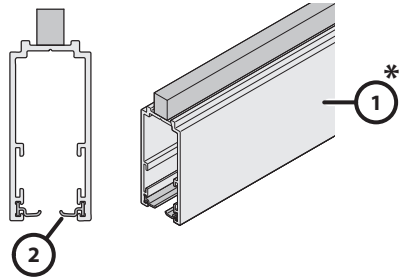
Tape Inline Glazing Connector (2mm)

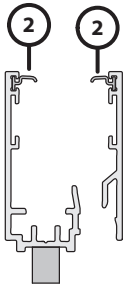


Find No.	Part No.	Part Description	Part Note ID
1	AW12-4001	FQFSP Glazing Conn, 2 Way 90, Plastic, 119" L, Clear	Also in Canvas - P/N 147-5027; incl: plastic extrusion with tape
2	AW10-1401	FQFSP Glazing Conn, 3 Way 90, Plastic, 10mm, 119" L, Clear	Also in Canvas - P/N 147-5025; incl: plastic extrusion with tape
3	AW11-4101	FQFSP Glazing Conn, 3 Way 90, Plastic, 12mm, 119" L, Clear	Also in Canvas - P/N 147-5024; incl: plastic extrusion with tape
4	AW12-4002	FQFSP Glazing Conn, Inline 10mm, Plastic, 119" L, Clear	Also in Canvas - P/N 147-5022; incl: plastic extrusion with tape
5	AW12-4003	FQFSP Glazing Conn, Inline 12mm, Plastic, 119" L, Clear	Also in Canvas - P/N 147-5023; incl: plastic extrusion with tape
6	Y119-4049	FQFSP Glazing Conn, 2mm Tape, 54FT Roll	Also in Canvas - P/N 147-5026; incl: 54ft roll of clear tape

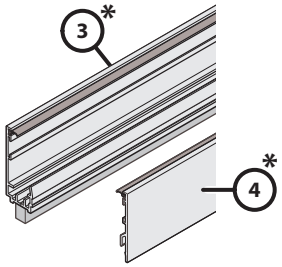
Primary Wall Components

Top Rail

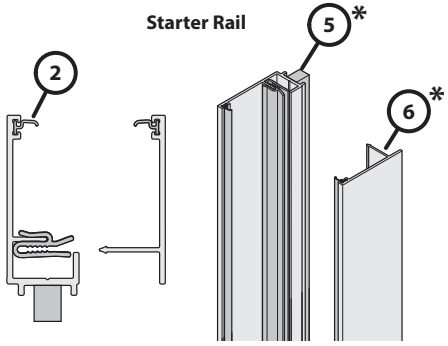




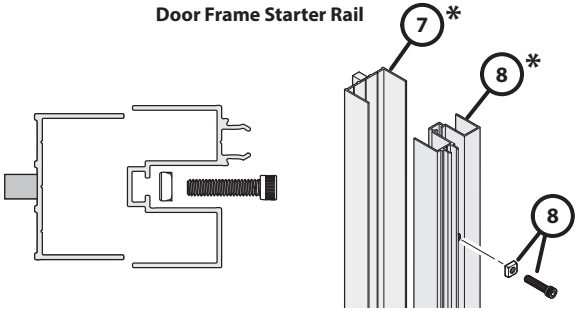
Bottom Rail



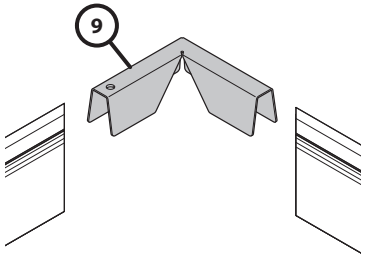
Starter Rail



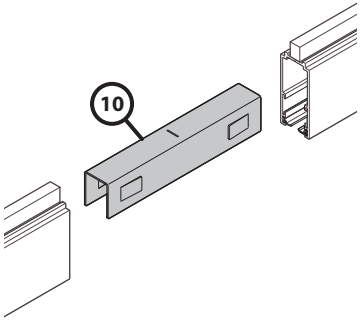
Door Frame Starter Rail



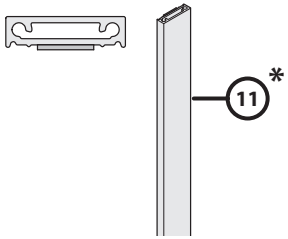
Rail Bracket - 2W90 Top Glass Spline



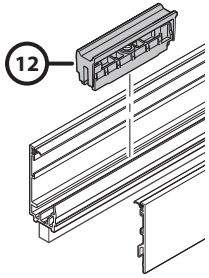
Rail Bracket - Inline TopGlass Spline



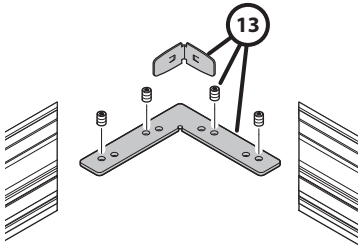
Glazing Strip



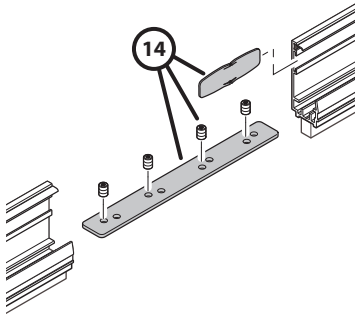
Glass Leverler Kit



Rail Bracket - 2W90 Bottom Glass Spline



Rail Bracket - Inline Bottom Glass Spline

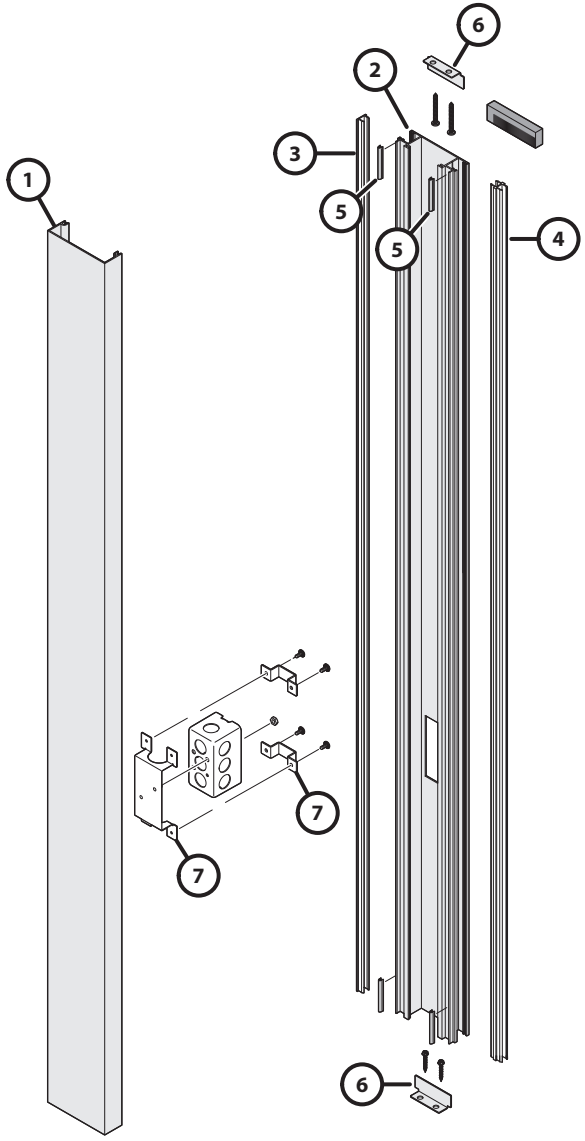


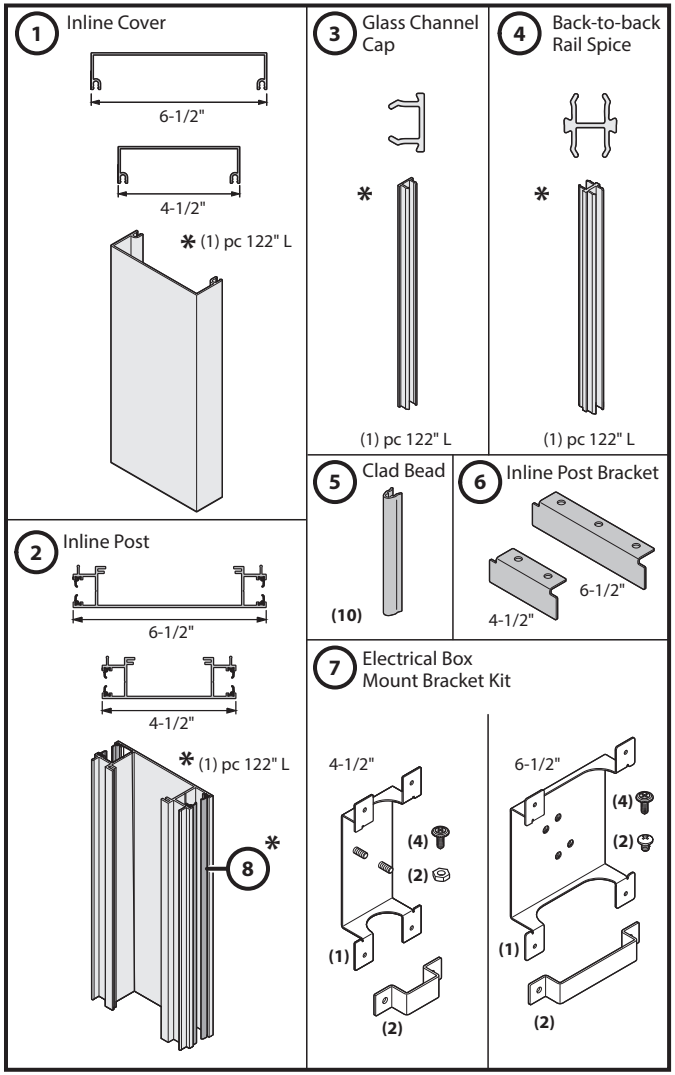
* Actual parts are longer - for illustration clarity only a small portion is shown above.

Primary Wall Components

Find No.	Part No.	Part Description	Part Note ID
1	AW11-8901	FQFSP 1Chnl Gls Top Rail, 78" L	Also in Canvas - P/N 154-2847; incl: extrusion, (2) fin seals, and foam tape. This is a Quick Part.
1	AW11-8902	FQFSP 1Chnl Gls Top Rail, 120" L	Also in Canvas - P/N 154-2847; incl: extrusion, (2) fin seals, and foam tape.
2	AW10-1101	FQFSP Glazing Bead, Rail + Dr Fr, Black – 1 PC (122”)	Also in Canvas - P/N 157-3789
2	AW10-1102	FQFSP Glazing Bead, Rail + Dr Fr, Clear – 1 PC (122”)	Also in Canvas - P/N 157-3789
3	AW11-9201	FQFSP 1Chnl Gls Btm Rail, Main Assy, 78" L	Also in Canvas - P/N 154-2838; incl: main extrusion, (1) fin seal, and foam tape. This is a Quick Part.
3	AW11-9202	FQFSP 1Chnl Gls Btm Rail, Main Assy, 120" L	Also in Canvas - P/N 154-2838; incl: main extrusion, (1) fin seal, and foam tape.
4	AW11-9501	FQFSP 1Chnl Gls Btm Rail, Clad Assy, 78" L	Also in Canvas - P/N 154-2837; incl: clad extrusion, (1) fin seal. This is a Quick Part.
4	AW11-9502	FQFSP 1Chnl Gls Btm Rail, Clad Assy, 120" L	Also in Canvas - P/N 154-2837; incl: clad extrusion, (1) fin seal.
5	AW16-3801	FQFSP 1Chnl Gls Starter Rail, 122" L, Main Assy	Also in Canvas - P/N 154-2844; incl: main extrusion, (1) fin seal, plastic connector for clad, and foam tape. This is a Quick Part
6	AW16-3901	FQFSP 1Chnl Gls Starter Rail, 122" L, Clad Assy	Also in Canvas - P/N 154-2843; incl: clad extrusion, (1) fin seal. This is a Quick Part
7	AW14-8801	FQFSP 1Chnl Dr Starter, Inner Assy, 122" L	Also in Canvas - P/N 154-2841; incl: extrusion, foam tape
8	AW14-8901	FQFSP 1Chnl Dr Starter, Outer Assy, 122" L	Also in Canvas - P/N 154-2842; incl: extrusion, foam tape, (8) leveling screws, and (8) nuts
9	AW12-7701	FQFSP Rail Brkt, 2W90 Top Gls Spline, Single Pack	Also in Canvas - P/N 150-9220; incl: (1) ecoated bracket
10	AW12-7401	FQFSP Rail Brkt, Inline Top Gls Spline, Single Pack	Also in Canvas - P/N 154-8195; incl: (1) ecoated bracket
11	AW13-3601	FQFSP Glazing Strip, Ptd, Inline Vt/Hz, 120" L	Also in Canvas - P/N 154-2845; incl: extrusion, tape
12	AW16-1501	FQFSP Glass Leveler Kit, Clear, 2 Pack	Also in Canvas - P/N 154-8193; incl: (2) glass leveler sets. This is a Quick Part
13	AW16-2201	FQFSP Rail Brkt, 2W90 Btm Gls Spline, Single Pack	Also in Canvas - P/N 147-5018; incl: (2) ecoated brackets, (4) set screws - standard kit
14	AW16-2101	FQFSP Rail Brkt, Inline Btm Gls Spline, Single Pack	Also in Canvas - P/N 154-8194; incl: (2) ecoated brackets, (4) set screws - standard kit

Secondary Wall Components



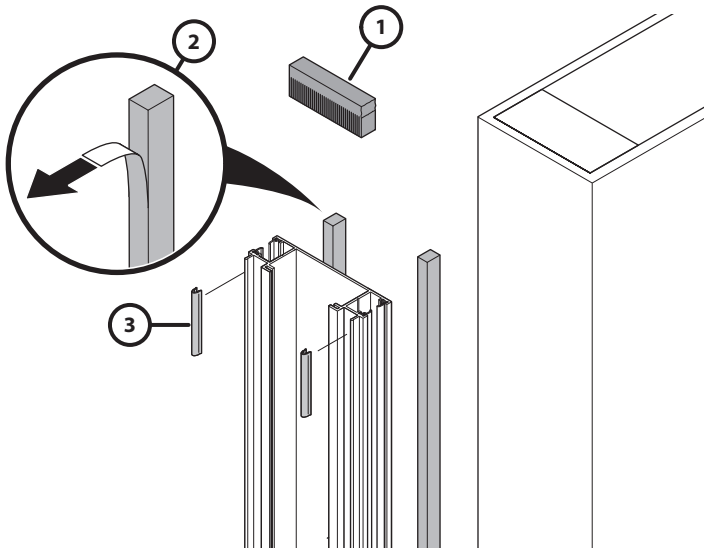


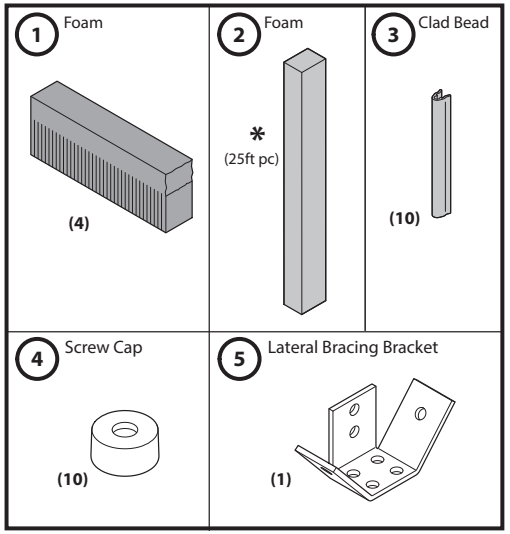
* Actual parts are longer - for illustration clarity only a small portion is shown above.

Secondary Wall Components

Find No.	Part No.	Part Description	Part Note ID
1	AW14-9401	FQFSP 1Chnl Inline, 122" L, 4.5" W, Cover	Also in Canvas - P/N 154-2839; incl: cover, no plastic
1	AW15-0001	FQFSP 1Chnl Inline, 122" L, 6.5" W, Cover	Also in Canvas - P/N 154-2839; incl: cover, no plastic
2	AW14-9201	FQFSP 1Chnl Inline, 122" L, 4.5" W, Glz Side	Also in Canvas - P/N 154-2848; incl: glass side, (4) fin seals
2	AW15-0801	FQFSP 1Chnl Inline, 122" L, 6.5" W, Glz Side	Also in Canvas - P/N 154-2848; incl: glass side, (4) fin seals
3	AW10-7401	FQFSP Rail, Gls Cap, 1 Chnl, 122" L	Also in Canvas - P/N 154-2849; incl: painted extrusion, no seals
4	AW11-4801	FQFSP Rail Splice, Back to Back, Gls Chnl, 122", Black	Also in Canvas - P/N 147-5016; incl: painted extrusion, no seals
5	AW16-1201	FQFSP Clad Bead Kit, 2" L, 10 Pack	Also in Canvas - P/N 154-8191; incl: (10) beads, same standard 10pc pack
6	AW11-3801	FQFSP 1Chnl Inline Post, 122" L, 4.5" W, L Brkt	Also in Canvas - P/N 154-2840; incl: (1) brkt, no fasteners
6	AW13-8101	FQFSP 1Chnl Inline Post, 122" L, 6.5" W, L Brkt	Also in Canvas - P/N 154-2840; incl: (1) brkt, no fasteners
7	AW16-5101	FQFSP Acc, Elec Box Mount Brkt Kit, 4.5" W, Black	Also in Canvas - P/N 147-5030; incl: (1) bracket, (2) bracket clamps, (4) screws, (2) hex nuts - standard kit
7	AW16-5201	FQFSP Acc, Elec Box Mount Brkt Kit, 6.5" W, Black	Also in Canvas - P/N 147-5030; incl: (1) bracket, (2) bracket clamps, (6) screws - standard kit
8	AW10-1101	FQFSP Glazing Bead, Rail + Dr Fr, Black – 1 PC (122")	Also in Canvas - P/N 157-3789
8	AW10-1102	FQFSP Glazing Bead, Rail + Dr Fr, Clear – 1 PC (122")	Also in Canvas - P/N 157-3789

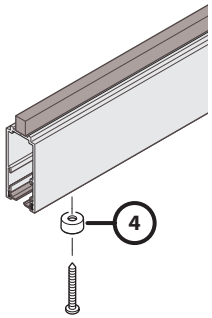
Miscellaneous Components



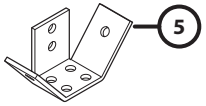


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Screw Cap (Bumper)

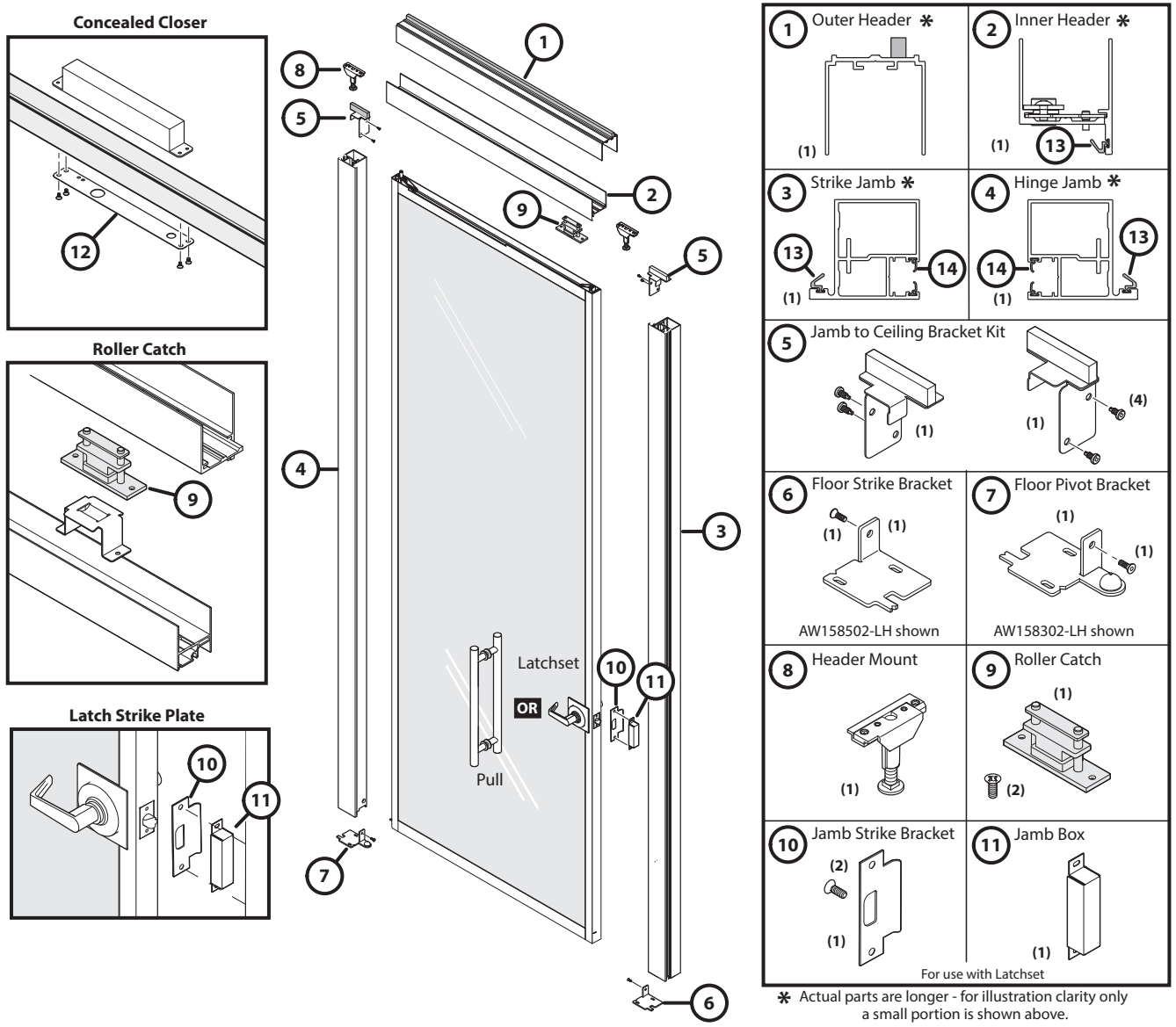


Lateral Bracing Bracket



Find No.	Part No.	Part Description	Part Note ID
1	AW16-1301	FQFSP Foam, Vert Ceiling Filler Kit, 4 Pack	Also in Canvas - P/N 154-8192; incl: (4) foam filler, same standard 4pc pack. This is a Quick Part.
2	AW17-5401	FQFSP Foam 1/2x3/8, Starter/Flyby, 25 ft, Black	Also in Canvas - P/N 150-9219; FQFSP Foam 1/2x3/8, Starter/Flyby, 25 ft, Black
3	AW16-1201	FQFSP Clad Bead Kit, 2" L, 10 Pack	Also in Canvas - P/N 154-8191; incl: (10) beads, same standard 10pc pack
4	AW12-5701	FQFSP Screw Cap Pack, 10 Pc	Also in Canvas - P/N 154-8196; incl: (10) screws, same standard 10pc pack. This is a Quick Part.
5	AW11-7301	FQFSP Rail Brkt, Lateral Bracing, Single Pack	Also in Canvas - P/N 147-6421; incl: (1) bracket - standard kit

Pivot Door - Frame for Framed Single Glazed Door

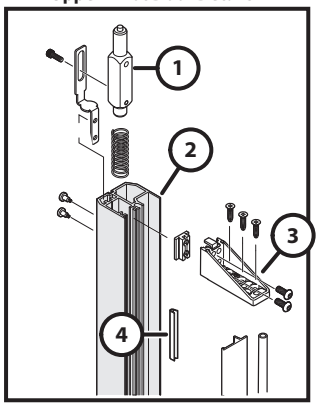


Pivot Door - Frame for Framed Single Glazed Door

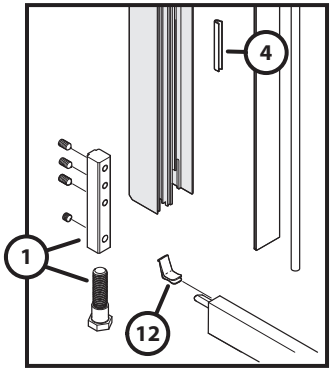
Find No.	Part No.	Part Description	Part Note ID
1	AW12-5202	FQFSP Dr Fr, 1Chnl, PV, Outer Header, Fixed, Dbl, 2133mm	Also in Canvas - P/N 154-8629; incl: extrusion, foam seals
1	AW12-5201	FQFSP Dr Fr, 1Chnl, PV, Outer Header, Fixed, Sng, 1066mm	Also in Canvas - P/N 154-8629; incl: extrusion, foam seals
2	AW12-5101	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, RH or LHR, No Closer, No Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets
2	AW12-5102	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, LH or RHR, No Closer, No Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets
2	AW12-5103	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, RH or LHR, No Closer, w/ Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, roller catch brackets
2	AW12-5104	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, LH or RHR, No Closer, w/ Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, roller catch brackets
2	AW12-5105	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, RH or LHR, w/ Closer, No Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, closer brackets
2	AW12-5106	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, LH or RHR, w/ Closer, No Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, closer brackets
2	AW12-5107	FQFSP Dr Fr, 1Chnl, PV, Inner Header, DBL, RH or LHR, No Closer, w/ Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, roller catch brackets
2	AW12-5108	FQFSP Dr Fr, 1Chnl, PV, Inner Header, DBL, RH or LHR, w/ Closer, No Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, closer brackets
3	AW15-0601	FQFSP Dr Fr, 1Chnl, PV w/Latch, Strk Jamb, RH/LHR, 3098 mm	Also in Canvas - P/N 154-8633; incl: extrusion, door seal, strike mounting hardware
3	AW15-0602	FQFSP Dr Fr, 1Chnl, PV w/Pull, Strk Jamb, RH/LHR, 3098 mm	Also in Canvas - P/N 154-8632; incl: extrusion, door seal
3	AW15-0603	FQFSP Dr Fr, 1Chnl, PV w/Latch, Strk Jamb, LH/RHR, 3098 mm	Also in Canvas - P/N 154-8633; incl: extrusion, door seal, strike mounting hardware
3	AW15-0604	FQFSP Dr Fr, 1Chnl, PV w/Pull, Strk Jamb, LH/RHR, 3098 mm	Also in Canvas - P/N 154-8632; incl: extrusion, door seal
4	AW15-0501	FQFSP Dr Fr, 1Chnl, PV, Side, Hinge Jamb, RH or LHR	Also in Canvas - P/N 154-8631; incl: extrusion, door seal. Order LH & RH for double door configuration.
4	AW15-0502	FQFSP Dr Fr, 1Chnl, PV, Side, Hinge Jamb, LH or RHR	Also in Canvas - P/N 154-8631; incl: extrusion, door seal. Order LH & RH for double door configuration.
5	AW17-5501	FQFSP Dr Fr, PV, Jamb to Ceil Brkt Kit, 2 pack	Also in Canvas - P/N 154-8618; incl: right and left brackets, (4) screws
6	AW15-8501	FQFSP Dr Fr, PV, Floor Strike Brkt, RH or LHR, Black	Also in Canvas - P/N 154-8619; incl: (1) handed strike bracket, (1) screw
6	AW15-8502	FQFSP Dr Fr, PV, Floor Strike Brkt, LH or RHR, Black	Also in Canvas - P/N 154-8619; incl: (1) handed strike bracket, (1) screw
7	AW15-8301	FQFSP Dr Fr, PV, Floor Pivot Brkt Asm, RH or LHR	Also in Canvas - P/N 154-8620; incl: (1) handed pivot bracket, brass bushing, (1) screw
7	AW15-8302	FQFSP Dr Fr, PV, Floor Pivot Brkt Asm, LH or RHR	Also in Canvas - P/N 154-8620; incl: (1) handed pivot bracket, brass bushing, (1) screw
8	AW16-8001	FQFSP Dr Fr, 4SPACE PV Header Mount Asm	Also in Canvas - P/N 154-8628; incl: (1) assy with 4SPACE mount casting, carriage bolt, set screws
9			Available in Canvas Only - P/N 154-8593 FQFSP Hardware, Roller Catch, PvDr
10	AW13-2001	FQFSP Dr Fr, PV, Jamb Cyl Strike Brkt, Brushed, Silver	Also in Canvas - P/N 154-8622; incl: (1) bracket (treated metal), screws
10	AW13-2002	FQFSP Dr Fr, PV, Jamb Cyl Strike Brkt, Painted, TR_F, Black	Also in Canvas - P/N 154-8621; incl: (1) bracket (powder coat), screws
11	AW16-0601	FQFSP Dr Fr, PV, Jamb Wrought Box	Also in Canvas - P/N 154-8617; incl: (1) bracket
12	AW17-5201	FQFSP Pv Dr Fr, Dorma Closer Cover Kit	Also in Canvas - P/N 154-8592; incl: painted cover, tape, screws (extra bits from kit with the actual closer)
13	AW10-6601	FQFSP Dr Fr, Pivot, Door Frame Seal, Black – 25 ft Roll	Also in Canvas - P/N 157-3786
13	AW10-6602	FQFSP Dr Fr, Pivot, Door Frame Seal, Gray – 25 ft Roll	Also in Canvas - P/N 157-3786
14	AW10-1101	FQFSP Glazing Bead, Rail + Dr Fr, Black – 1 PC (122")	Also in Canvas - P/N 157-3789
14	AW10-1102	FQFSP Glazing Bead, Rail + Dr Fr, Clear – 1 PC (122")	Also in Canvas - P/N 157-3789

Pivot Door - Framed Single Glazed Leaf

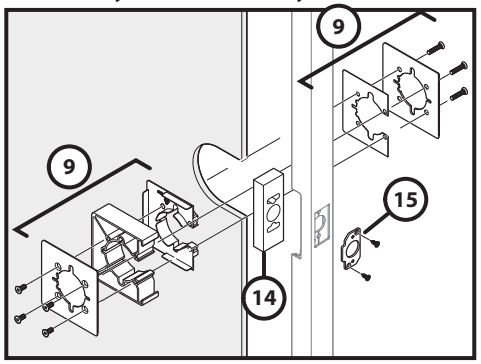
Upper Pivot Door Details

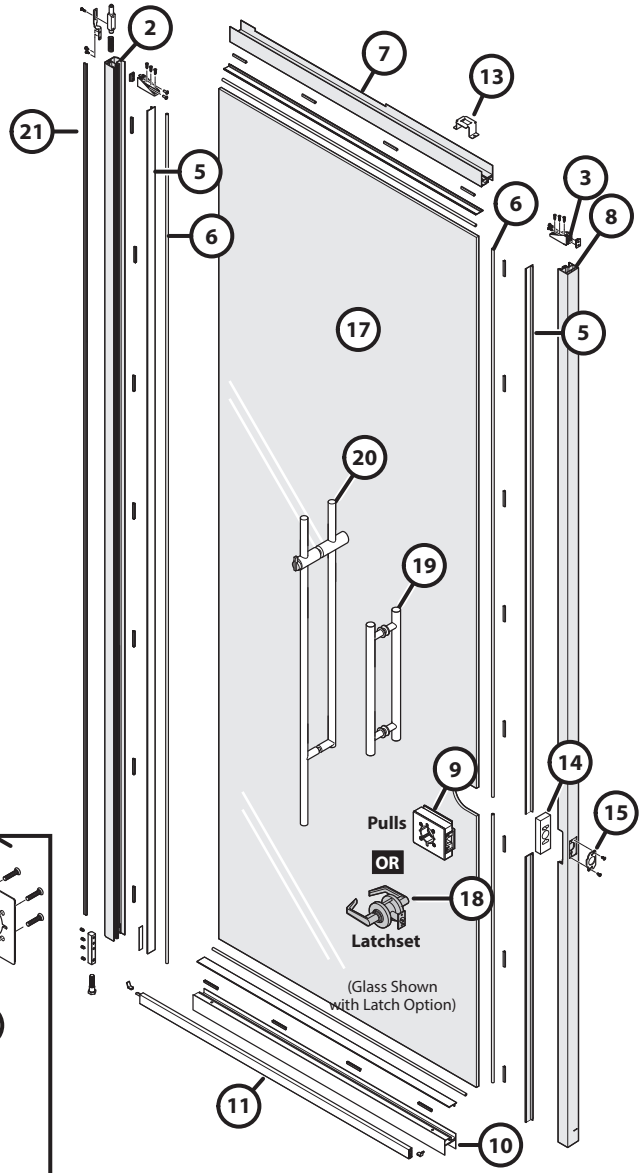


Lower Pivot Door Details



Cylinder Patch Assembly Details





1 Mount Kit (1) (1) (1) (2) (1) (1) (4)	2 Hinge Stile Extrusion	
3 Mount Kit (1) (2) (1) (3)	4 Clad Bead (10)	5 Trim Cap * (1)
6 Glazed Bead * (28ft)	7 Top Rail	8 Strike Stile Extrusion
10 Bottom Rail	11 Framed Glz Drop Seal * (1)	12 Drop Seal Mount (2)
13 Roller Catch Strike Bracket - For use w/Pull (1) (2)	14 Foam Block - For use w/ Latchset (1)	15 Lockset Spacer - For use w/Latchset (2) (1)
16 Astragal Extrusion - For use w/ Double Doors * (1)	21 Hinge Bulb Seal * (1 - 10ft pc)	

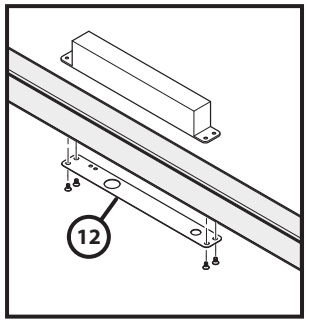
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Pivot Door - Framed Single Glazed Leaf

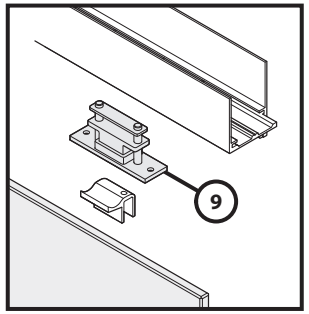
Find No.	Part No.	Part Description	Part Note ID
1	AW17-5601	FQFSP Dr Lf, FSG Pivot, Mount Kit, for one Leaf	Also in Canvas - P/N 154-8606; incl: hardware to mount (1) FSG pivot leaf including retainer spring, bracket, leveler block, stem, top pin, screws
2			Available in Canvas Only - P/N 155-0108 FQFSP Dr Lf, FSG PV, Stile, Hinge Actv; incl: machined and painted extrusion, hinge seal
2			Available in Canvas Only - P/N 155-0109 FQFSP Dr Lf, FSG PV, Stile, Hinge Inac; incl: machined and painted extrusion, hinge seal
3	AW17-5701	FQFSP Dr Lf, FSG Pivot, Mount Kit	Also in Canvas - P/N 154-8611; incl: casting, T nut, fasteners to assemble one corner of FSG pivot door
4	AW16-1201	FQFSP Clad Bead Kit, 2" L, 10 Pack	Also in Canvas - P/N 154-8191; incl: (10) beads, same standard 10pc pack
5	AW12-0801	FQFSP Dr Lf, FSG Pivot, Trim Cap, 10mm	Also in Canvas - P/N 154-8605; incl: painted extrusion for use with 10mm glass
6	AW16-5303	FQFSP Dr Lf, FSG Pivot, Glz Bead, 10mm, 28 Ft, Black	Also in Canvas - P/N 154-8607; incl: black plastic extrusion, 28ft, for use with 10mm glass
6	AW16-5304	FQFSP Dr Lf, FSG Pivot, Glz Bead, 10mm, 28 Ft, Grey	Also in Canvas - P/N 154-8607; incl: gray plastic extrusion, 28ft, for use with 10mm glass
7			Available in Canvas Only - P/N 155-0106 FQFSP Dr Lf, FSG PV, Rail, Top Actv; incl: machined and painted extrusion.
7			Available in Canvas Only - P/N 155-0107 FQFSP Dr Lf, FSG PV, Rail, Top Inac; incl: machined and painted extrusion.
8			Available in Canvas Only - P/N 155-0110 FQFSP Dr Lf, FSG PV, Stile, Strike Actv; incl: machined and painted extrusion.
8			Available in Canvas Only - P/N 155-0111 FQFSP Dr Lf, FSG PV, Stile, Strike Inac; incl: machined and painted extrusion
9	AW16-5001	FQFSP Dr Lf, FSG Pivot, Cyl Patch Asm, for 10 mm Framed Sgl Glz	Also in Canvas - P/N 154-8610; incl: patch assembly with inner and outer patch, spacer extrusion, gaskets
10			Available in Canvas Only - P/N 155-0105 FQFSP Dr Lf, FSG PV, Rail, Btm Actv/Inac; incl: machined and painted extrusion
11			Available in Canvas Only - P/N 154-8649 FQFSP Hardware, Framed Glz Drop Seal, PvDr; incl: drop seal
12	AW16-8401	FQFSP Dr Lf, FSG Pivot, Drop Seal Mount, TR-J, Grey, 2 Pack	Also in Canvas - P/N 155-0535; incl: (2) molded plastic pieces
13	AW13-4001	FQFSP Dr Lf, FSG PV, Roller Catch Strike Brkt	
14	AW16-2801	FQFSP Dr Lf, FSG Pivot, Cyl Foam Block	Also in Canvas - P/N 155-0532; incl: 1pc foam block for light and sound seal around cylinder latchset
15	AW15-2401	FQFSP Dr Lf, FSG Pivot, Cyl Lchst Spacer	Also in Canvas - P/N 155-0533; incl: (1) bracket, and (2) screws
16	AW16-5901	FQFSP Dr Lf, FSG Pivot, Dbl Astragal Kit	Also in Canvas - P/N 154-8609; incl: extrusion with door seal and VHB tape
17			Available in Canvas Only - P/N 155-0103 FQFSP, Dr Lf, FSG Pivot Actv, Glass
17			Available in Canvas Only - P/N 155-0104 FQFSP, Dr Lf, FSG Pivot Inac, Glass
18			Order through standard ordering - P/N 147-5003 FQF Hardware, Dr Latchset, Swing, Cyl
19			Order through standard ordering - P/N 147-5002 FQF Hardware, Dr Pull, Non-Lock
20			Order through standard ordering - P/N 147-6420 FQF Hardware, Dr Pull, Locking
21	AW16-4701	FQFSP Dr Lf, FSG Pivot, Hinge Bulb Seal, Black	Also in Canvas - P/N 155-0534; incl: foam seal, 10 ft, for the framed single glazed pivot door hinge stile
21	AW16-4702	FQFSP Dr Lf, FSG Pivot, Hinge Bulb Seal, Gray	Also in Canvas - P/N 155-0534; incl: foam seal, 10 ft, for the framed single glazed pivot door hinge stile

Pivot Door - Frame for Glass Slab Door

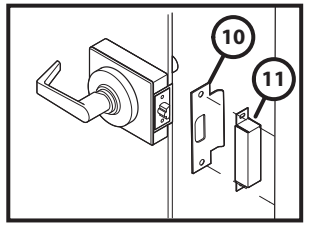
Concealed Closer

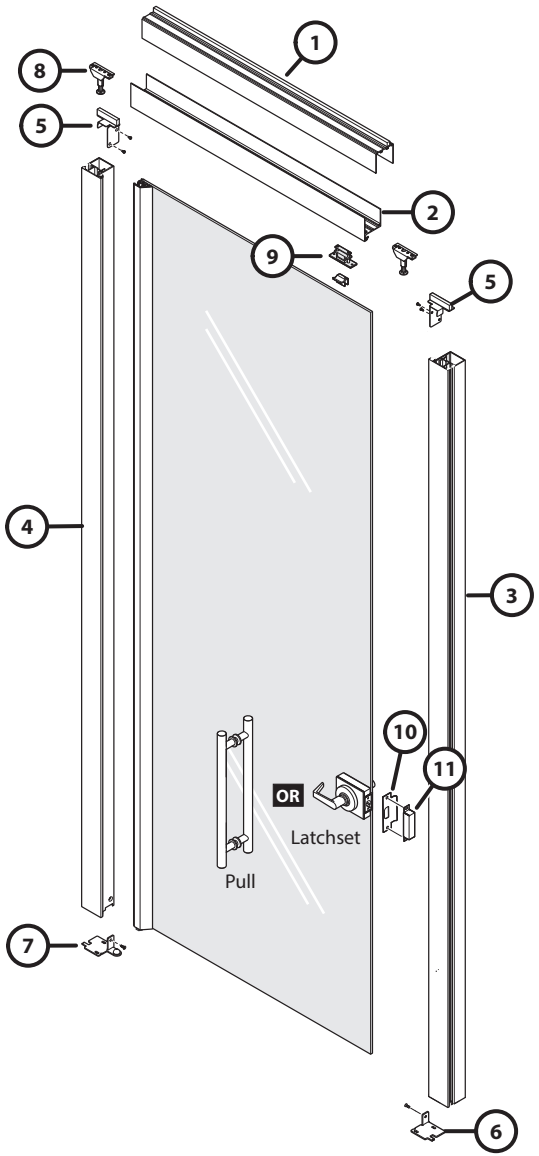


Roller Catch



Latchset Strike Plate





1 Outer Header* (1)	2 Inner Header * (1) 13	
3 Strike Jamb* 13 14 (1)	4 Hinge Jamb * 14 13 (1)	
5 Jamb to Ceiling Bracket Kit (1) (1) (4)		
6 Floor Strike Bracket (1) (1) AW158502-LH shown	7 Floor Pivot Bracket (1) AW158302-LH shown	
8 Header Mount (1)	9 Roller Catch (1) (2)	
10 Jamb Strike Bracket (2) (1)	11 Jamb Box (1)	
For use with Latchset		

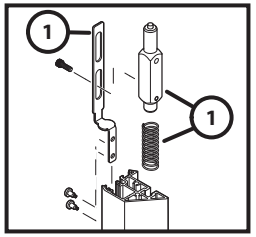
* Actual parts are longer - for illustration clarity only a small portion is shown above.

Pivot Door - Frame for Glass Slab Door

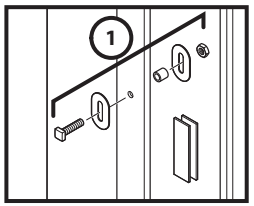
Find No.	Part No.	Part Description	Part Note ID
1	AW12-5202	FQFSP Dr Fr, 1Chnl, PV, Outer Header, Fixed, Dbl, 2133mm	Also in Canvas - P/N 154-8629; incl: extrusion, foam seals
1	AW12-5201	FQFSP Dr Fr, 1Chnl, PV, Outer Header, Fixed, Sng, 1066mm	Also in Canvas - P/N 154-8629; incl: extrusion, foam seals
2	AW12-5101	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, RH or LHR, No Closer, No Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets
2	AW12-5102	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, LH or RHR, No Closer, No Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets
2	AW12-5103	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, RH or LHR, No Closer, w/ Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, roller catch brackets
2	AW12-5104	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, LH or RHR, No Closer, w/ Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, roller catch brackets
2	AW12-5105	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, RH or LHR, w/ Closer, No Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, closer brackets
2	AW12-5106	FQFSP Dr Fr, 1Chnl, PV, Inner Header, SGL, LH or RHR, w/ Closer, No Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, closer brackets
2	AW12-5107	FQFSP Dr Fr, 1Chnl, PV, Inner Header, DBL, RH or LHR, No Closer, w/ Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, roller catch brackets
2	AW12-5108	FQFSP Dr Fr, 1Chnl, PV, Inner Header, DBL, RH or LHR, w/ Closer, No Roller Catch	Also in Canvas - P/N 154-8630; incl: extrusion, door seal, top pivot bushing and bushing brackets, closer brackets
3	AW15-0601	FQFSP Dr Fr, 1Chnl, PV w/Latch, Strk Jamb, RH/LHR, 3098 mm	Also in Canvas - P/N 154-8633; incl: extrusion, door seal, strike mounting hardware
3	AW15-0602	FQFSP Dr Fr, 1Chnl, PV w/Pull, Strk Jamb, RH/LHR, 3098 mm	Also in Canvas - P/N 154-8632; incl: extrusion, door seal
3	AW15-0603	FQFSP Dr Fr, 1Chnl, PV w/Latch, Strk Jamb, LH/RHR, 3098 mm	Also in Canvas - P/N 154-8633; incl: extrusion, door seal, strike mounting hardware
3	AW15-0604	FQFSP Dr Fr, 1Chnl, PV w/Pull, Strk Jamb, LH/RHR, 3098 mm	Also in Canvas - P/N 154-8632; incl: extrusion, door seal
4	AW15-0501	FQFSP Dr Fr, 1Chnl, PV, Side, Hinge Jamb, RH or LHR	Also in Canvas - P/N 154-8631; incl: extrusion, door seal. Order LH & RH for double door configuration.
4	AW15-0502	FQFSP Dr Fr, 1Chnl, PV, Side, Hinge Jamb, LH or RHR	Also in Canvas - P/N 154-8631; incl: extrusion, door seal. Order LH & RH for double door configuration.
5	AW17-5501	FQFSP Dr Fr, PV, Jamb to Ceil Brkt Kit, 2 pack	Also in Canvas - P/N 154-8618; incl: right and left brackets, (4) screws
6	AW15-8501	FQFSP Dr Fr, PV, Floor Strike Brkt, RH or LHR, Black	Also in Canvas - P/N 154-8619; incl: (1) handed strike bracket, (1) screw
6	AW15-8502	FQFSP Dr Fr, PV, Floor Strike Brkt, LH or RHR, Black	Also in Canvas - P/N 154-8619; incl: (1) handed strike bracket, (1) screw
7	AW15-8301	FQFSP Dr Fr, PV, Floor Pivot Brkt Asm, RH or LHR	Also in Canvas - P/N 154-8620; incl: (1) handed pivot bracket, brass bushing, (1) screw
7	AW15-8302	FQFSP Dr Fr, PV, Floor Pivot Brkt Asm, LH or RHR	Also in Canvas - P/N 154-8620; incl: (1) handed pivot bracket, brass bushing, (1) screw
8	AW16-8001	FQFSP Dr Fr, 4SPACE PV Header Mount Asm	Also in Canvas - P/N 154-8628; incl: (1) assy with 4SPACE mount casting, carriage bolt, set screws
9			Available in Canvas Only - P/N 154-8593 FQFSP Hardware, Roller Catch, PvDr
10	AW13-2001	FQFSP Dr Fr, PV, Jamb Cyl Strike Brkt, Brushed, Silver	Also in Canvas - P/N 154-8622; incl: (1) bracket (treated metal), screws
10	AW13-2002	FQFSP Dr Fr, PV, Jamb Cyl Strike Brkt, Painted, TR_F, Black	Also in Canvas - P/N 154-8621; incl: (1) bracket (powder coat), screws
11	AW16-0601	FQFSP Dr Fr, PV, Jamb Wrought Box	Also in Canvas - P/N 154-8617; incl: (1) bracket
12	AW17-5201	FQFSP Pv Dr Fr, Dorma Closer Cover Kit	Also in Canvas - P/N 154-8592; incl: painted cover, tape, screws (extra bits from kit with the actual closer)
13	AW10-6601	FQFSP Dr Fr, Pivot, Door Frame Seal, Black – 25 ft Roll	Also in Canvas - P/N 157-3786
13	AW10-6602	FQFSP Dr Fr, Pivot, Door Frame Seal, Gray – 25 ft Roll	Also in Canvas - P/N 157-3786
14	AW10-1101	FQFSP Glazing Bead, Rail + Dr Fr, Black – 1 PC (122")	Also in Canvas - P/N 157-3789
14	AW10-1102	FQFSP Glazing Bead, Rail + Dr Fr, Clear – 1 PC (122")	Also in Canvas - P/N 157-3789

Pivot Door - Glass Slab Door

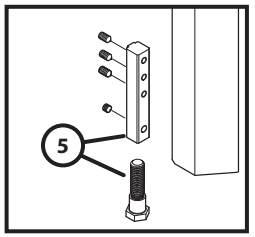
Upper Pivot Hinge Details

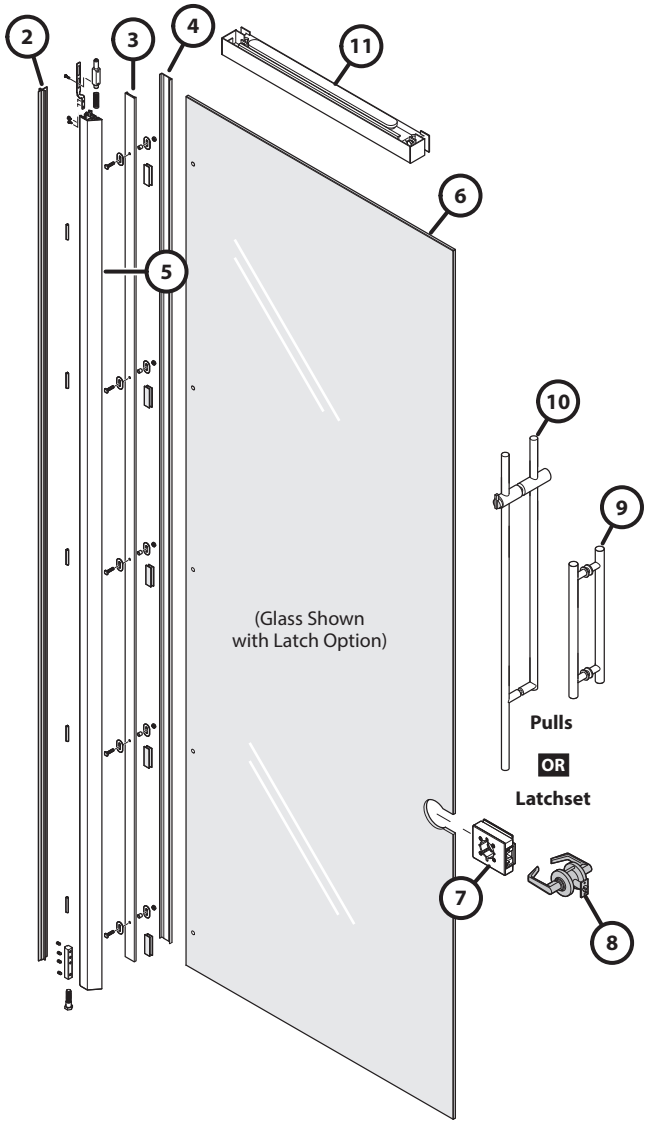


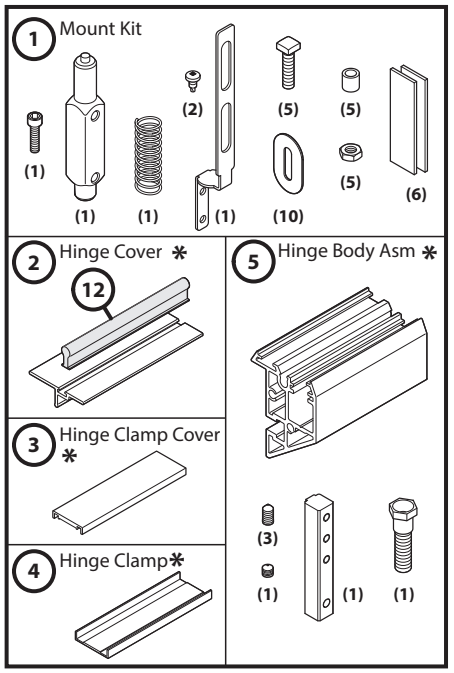
Glass Slab Mounting Details



Lower Pivot Hinge Details

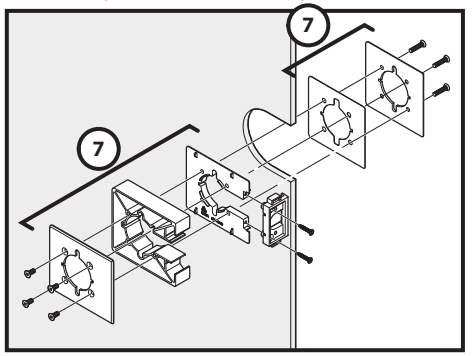






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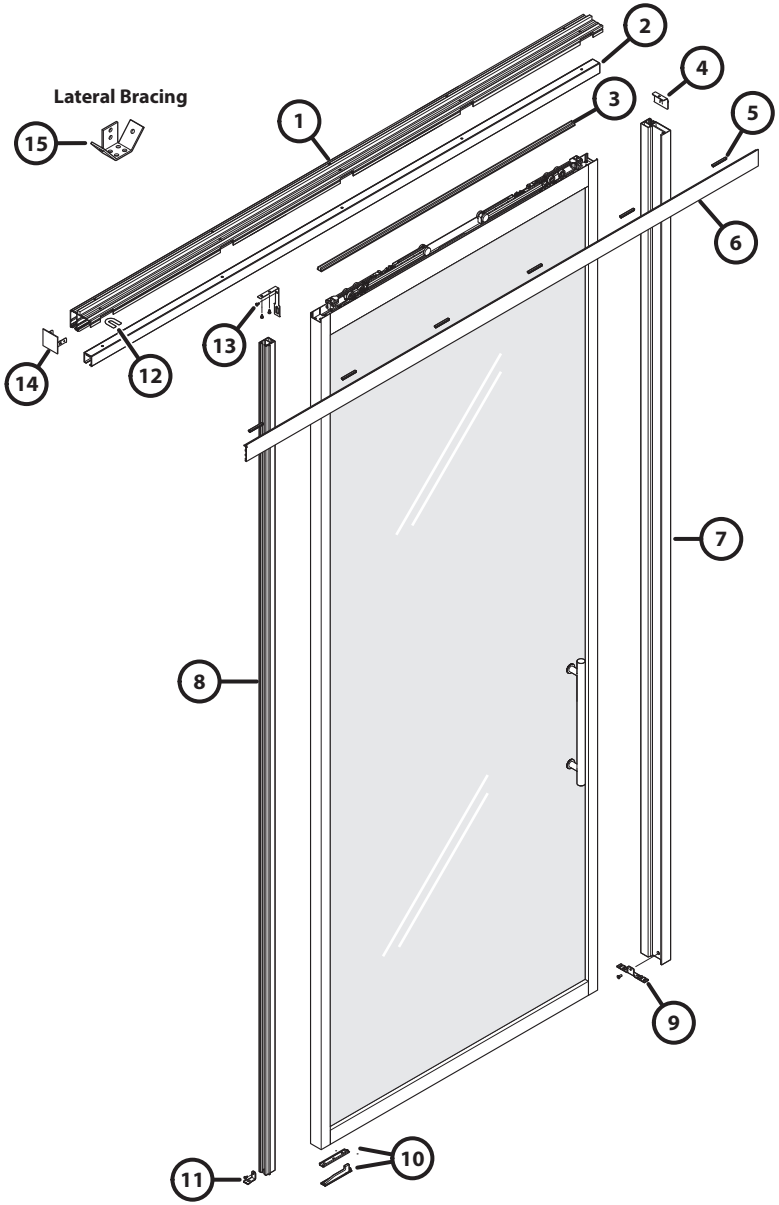
Cylinder Patch Assembly Details



Pivot Door - Glass Slab Door

Find No.	Part No.	Part Description	Part Note ID
1	AW16-5501	FQFSP Dr Lf, GLSB Pivot, Mount Kit	Also in Canvas - P/N 155-0544; incl: hardware to mount one GLSB pivot leaf including retainer spring, bracket, dual lock, emery cloth, screws
2	AW13-0901	FQFSP Dr Lf, GLSB Pivot, RH/LHR, Drop Seal, Hinge Cover Asm	Also in Canvas - P/N 155-0543; incl: extrusion and foam seal
2	AW13-0902	FQFSP Dr Lf, GLSB Pivot, LH/RHR, Drop Seal, Hinge Cover Asm	Also in Canvas - P/N 155-0543; incl: extrusion and foam seal
2	AW13-0903	FQFSP Dr Lf, GLSB Pivot, No Drop Seal, Hinge Cover Asm	Also in Canvas - P/N 155-0543; incl: extrusion and foam seal
3	AW11-5401	FQFSP Dr Lf, GLSB Pivot, Hinge Clamp Cvr	Also in Canvas - P/N 155-0541; incl: extrusion
4	AW11-1201	FQFSP Dr Lf, GLSB Pivot, Hinge Clamp	Also in Canvas - P/N 155-0542; incl: extrusion
5	AW12-9901	FQFSP Dr Lf, GLSB Pivot, RH/LHR, Drop Seal, Hinge Body Asm	Also in Canvas - P/N 155-0450; incl: extrusion, bottom pivot stem and leveler
5	AW12-9902	FQFSP Dr Lf, GLSB Pivot, RH/LHR, No Drop Seal, Hinge Body Asm	Also in Canvas - P/N 155-0450; incl: extrusion, bottom pivot stem and leveler
5	AW13-0001	FQFSP Dr Lf, GLSB Pivot, LH/RHR, Drop Seal, Hinge Body Asm	Also in Canvas - P/N 155-0540; incl: extrusion, bottom pivot stem and leveler
5	AW13-0002	FQFSP Dr Lf, GLSB Pivot, LH/RHR, No Drop Seal, Hinge Body Asm	Also in Canvas - P/N 155-0540; incl: extrusion, bottom pivot stem and leveler
6			Available in Canvas Only - P/N 155-0536 FQFSP, Dr Lf, GLSB Pivot Actv, Glass
6			Available in Canvas Only - P/N 155-0537 FQFSP, Dr Lf, GLSB Pivot Inac, Glass
7	AW16-4901	FQFSP Dr Lf, GLSB Pivot, Cyl Patch Asm	Also in Canvas - P/N 155-0539; incl: patch assembly with inner and outer patch, spacer extrusion, gaskets, latch box
8			Order through standard ordering - P/N 147-5003 FQF Hardware, Dr Latchset, Swing, Cyl
9			Order through standard ordering - P/N 147-5002 FQF Hardware, Dr Pull, Non-Lock
10			Order through standard ordering - P/N 147-6420 FQF Hardware, Dr Pull, Locking
11	AW16-5401	FQFSP Dr Lf, GLSB Pivot, Closer Rail Asm	Also in Canvas - P/N 155-0538; incl: closer rail, seal, bracket, fasteners
12	AW16-4701	FQFSP Dr Lf, FSG Pivot, Hinge Bulb Seal, 10 Ft, Black	Also in Canvas - P/N 155-0534; incl: foam seal, 10 ft, for the framed single glazed pivot door hinge stile

Sliding Door Frame - Framed Single Glazed Door



1 Header	2 Internal Track		
3 Glass Cap			
4 Strike Jamb to Ceiling Bracket (1) (1)	5 Clad Bead (10)	6 Header Clad	
7 Strike Jamb	8 Bypass Jamb *		
9 Floor Strike Bracket (1) (1)	10 Sliding Door Guide (1) (1)	11 Floor Bypass Bracket (1) (1)	12 Sliding Track Shim (8) 1/16" Shims (8) 1/8" Shims (8) 1/4" Shims
13 Bypass Top Rail Bracket (3)	14 Header End Cap	16 Alignment Tool	

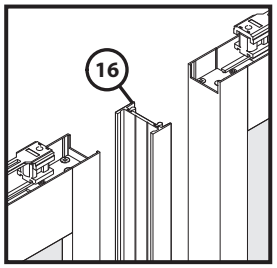
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Sliding Door Frame - Framed Single Glazed Door

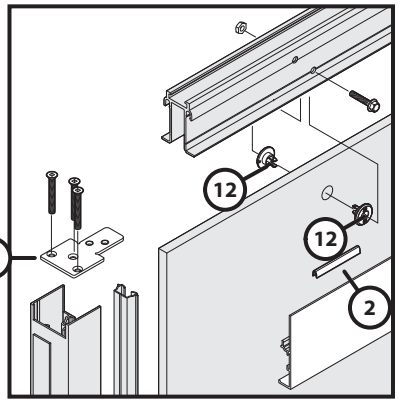
Find No.	Part No.	Part Description	Part Note ID
1	AW12-1501	FQFSP Dr Fr, 1Chnl/ 2Chnl, 45" W SL, Header, Sgl	Also in Canvas - P/N 154-8625; incl: extrusion, glazing beads, foam seal, and brush seal
1	AW12-1502	FQFSP Dr Fr, 1Chnl/ 2Chnl, 90" W SL, Header, Dbl	Also in Canvas - P/N 154-8625; incl: extrusion, glazing beads, foam seal, and brush seal
2	AW12-2001	FQFSP Dr Fr, 1Chnl, 45" W SL, Internal Track, Sgl, Black Ano	Also in Canvas - P/N 154-8627; incl: extrusion
2	AW12-2002	FQFSP Dr Fr, 1Chnl, 90" W SL, Internal Track, Dbl, Black Ano	Also in Canvas - P/N 154-8627; incl: extrusion
3	AW10-7401	FQFSP Rail, Gls Cap, 1 Chnl,122" L	Also in Canvas - P/N 154-2849; incl: painted extrusion, no seals
4	AW15-9501	FQFSP Dr Fr, SL, Strike Jamb to Ceil Brkt, FSG, Framed Sgl Glz, Black	Also in Canvas - P/N 154-8612; incl: (1) bracket, screws
5	AW16-1201	FQFSP Clad Bead Kit, 2" L, 10 Pack	Also in Canvas - P/N 154-8191; incl: (10) beads, same standard 10pc pack
6	AW12-1801	FQFSP Dr Fr, 1Chnl, 45" W SL, Header Clad, Sgl	Also in Canvas - P/N 154-8624; incl: extrusion, and brush seal
6	AW12-1802	FQFSP Dr Fr, 1Chnl, 90" W SL, Header Clad, Dbl	Also in Canvas - P/N 154-8624; incl: extrusion, and brush seal
7	AW15-1201	FQFSP Dr Fr, 1Chnl/ 2Chnl, Strike Jamb, Framed Sgl Glz	Also in Canvas - P/N 154-8626; incl: extrusion, fin seals, and door seals
8	AW15-2101	FQFSP Dr Fr, 1Chnl or 2Chnl, SL, Bypass Jamb, Framed Sgl Glz	Also in Canvas - P/N 154-8623; incl: extrusion, fin seals, and door seals
9	AW15-9401	FQFSP Dr Fr, SL, Floor Strike Brkt, Black	Also in Canvas - P/N 154-8614; incl: (1) bracket, screws
10			Available in Canvas Only - P/N 155-0100 FSG Sliding Door Guide
11	AW15-9701	FQFSP Dr Fr, SL, Floor Bypass Brkt, FSG, Framed Sgl Glz, Black	Also in Canvas - P/N 154-8615; incl: (1) bracket, screws
12	AW17-5301	FQFSP Dr Frame, Sliding Track Shim Kit, 24 Pack	Also in Canvas - P/N 148-7683; incl: (8) 1/16" shims, (8) 1/8" shims, (8) 1/4" shims
13	AW15-9301	FQFSP Dr Fr, SL, Bypass to Top Rail Brkt, Black, w/ Screws	Also in Canvas - P/N 154-8616; incl: (1) bracket, screws
14	AW12-9101	FQFSP Dr Fr, SL, Header End Cap, Painted	Also in Canvas - P/N 154-8613; incl: end cap
15	AW11-7301	FQFSP Rail Brkt, Lateral Bracing, Single Pack	Also in Canvas - P/N 147-6421; incl: (1) bracket - standard kit
16	AW17-5801	Alignment Tool	Also in Canvas - P/N 155-0102
17	AW10-9401	FQFSP Dr Fr, Sliding, Brush Seal, Gray – 25 ft roll	Also in Canvas - P/N 157-3787
18	AW10-1101	FQFSP Glazing Bead, Rail + Dr Fr, Black – 1 PC (122”)	Also in Canvas - P/N 157-3789
18	AW10-1102	FQFSP Glazing Bead, Rail + Dr Fr, Clear – 1 PC (122”)	Also in Canvas - P/N 157-3789
19	AW10-6701	FQFSP Dr Fr, Sliding, Door Frame Seal, Black – 25 ft roll	Also in Canvas - P/N 157-3788
19	AW10-6702	FQFSP Dr Fr, Sliding, Door Frame Seal, Gray – 25 ft roll	Also in Canvas - P/N 157-3788

Sliding Door - Door Leaf - Framed Single Glazed Door

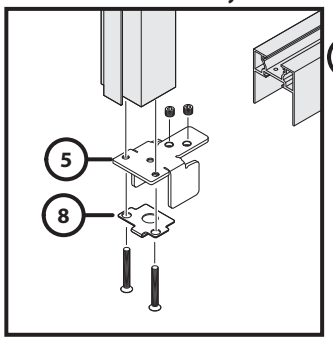
Astragal Assembly Detail - Double Door

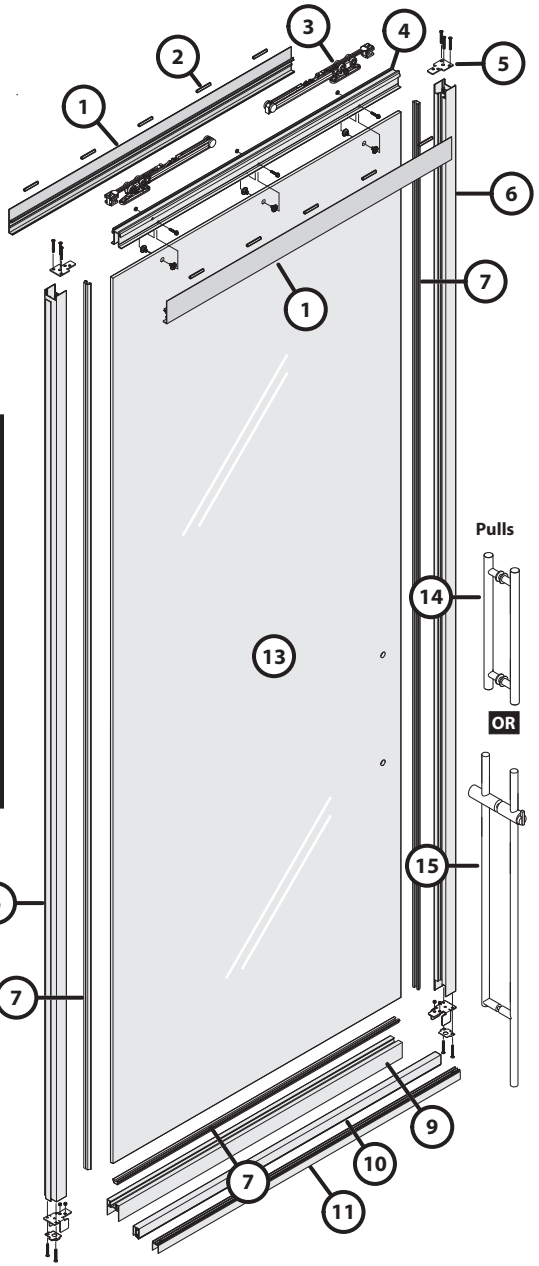


Upper Framed Glazed Glass Detail



Lower Corner Assembly Detail





Pulls

OR

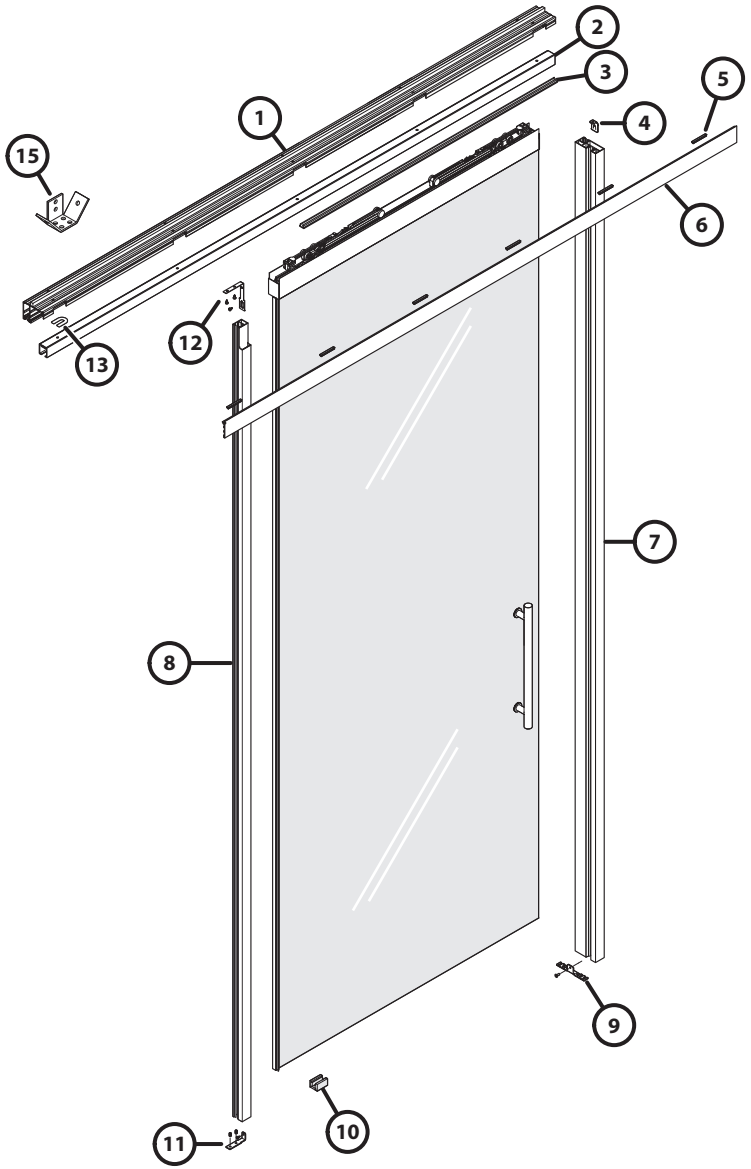
1 Glass Clamp Clad ✻	2 Clad Bead (10)
4 Glass Clamp Rail ✻	5 Corner Assy Kit (2) (2) (12) (8)
6 Strike/Bypass Stile Extrusion ✻	7 Glazing Bead ✻
8 Drop Seal Mounting Brackets (1) (4) (1)	
9 Bottom Rail Extrusion ✻	12 Glass Mount Spacers (6)
10 Drop Seal ✻	16 Astragal ✻ Extrusion
11 Rail Glide ✻	

✻ Actual parts are longer - for illustration clarity only a small portion is shown above.

Sliding Door - Door Leaf - Framed Single Glazed Door

Find No.	Part No.	Part Description	Part Note ID
1			Available in Canvas Only - P/N 155-0113 FQFSP Dr Lf, FSG SL, Glass Clamp Clad
2	AW16-1201	FQFSP Clad Bead Kit, 2" L, 10 Pack	Also in Canvas - P/N 154-8191; incl: (10) beads, same standard 10pc pack
3			Order through standard ordering - P/N 147-4999 FQF Hardware, Soft Close Kit, Glass Sld Dr
4			Available in Canvas Only - P/N 155-0112 FQFSP Dr Lf, FSG SL, Glass Clamp Assy
5	AW17-6001	FQFSP Dr Lf, FSG Slide, Corner Assy Kit	Also in Canvas - P/N 154-8603; incl: bracket, fasteners to assemble all corners of FSG sliding door
6			Available in Canvas Only - P/N 155-0116 FQFSP Dr Lf, FSG SL, Stile, Strike/Bypass
7	AW15-2203	FQFSP Dr Lf, FSG Slide, Glz Bead, 10mm, 10 FT Length, Black	Also in Canvas - P/N 154-8601; incl: black plastic extrusion, for use with 10mm glass
7	AW15-2204	FQFSP Dr Lf, FSG Slide, Glz Bead, 10mm, 10 FT Length, Clear	Also in Canvas - P/N 154-8601; incl: clear plastic extrusion, for use with 10mm glass
8	AW17-6101	FQFSP Dr Lf, FSG SL, Drop Seal Mnt Brkt, 2 Pack	Also in Canvas - P/N 154-8604; incl: (2) brackets, and fasteners
9			Available in Canvas Only - P/N 155-0114 FQFSP Dr Lf, FSG SL, Rail, Btm Actv/Inac
10			Available in Canvas Only - P/N 154-8650 FQFSP Hardware, Framed Glz Drop Seal, SlDr
11			Available in Canvas Only - P/N 155-0115 FQFSP Dr Lf, FSG SL, Rail, Guide
12	AW14-4201	FQFSP Dr Lf, Slide Glass Mnt Spacer 10mm, 6 Pack	Also in Canvas - P/N 154-8594; incl: (6) spacers
13			Available in Canvas Only - P/N 155-0117 FQFSP, Dr Lf, FSG Slide Actv, Glass
13			Available in Canvas Only - P/N 155-0118 FQFSP, Dr Lf, FSG Slide Inac, Glass
14			Order through standard ordering - P/N 147-5002 FQF Hardware, Dr Pull, Non-Lock
15			Order through standard ordering - P/N 147-6420 FQF Hardware, Dr Pull, Locking
16	AW16-6101	FQFSP Dr Lf, FSG Slide, Dbl Astragal Kit	Also in Canvas - P/N 154-8602; incl: extrusion with door seal and VHB tape

Sliding Door Frame - Single Glass Slab Door



1 Header
18
17

2 Internal Track

3 Glass Cap

4 Strike Jamb to Ceiling Bracket
(1) (1)

5 Clad Bead
(10)

6 Header Clad
17

7 Strike Jamb *
18
19

8 Bypass Jamb *
18

9 Bypass to Top Rail Bracket
(1)
(1)

10 Sliding Door Guide

11 Floor Bypass Bracket
(2) (1)
(1)

12 Bypass Top Rail Bracket
(3)
(1)

13 Sliding Track Shim
(8) 1/16" Shims
(8) 1/8" Shims
(8) 1/4" Shims

14 Header End Cap

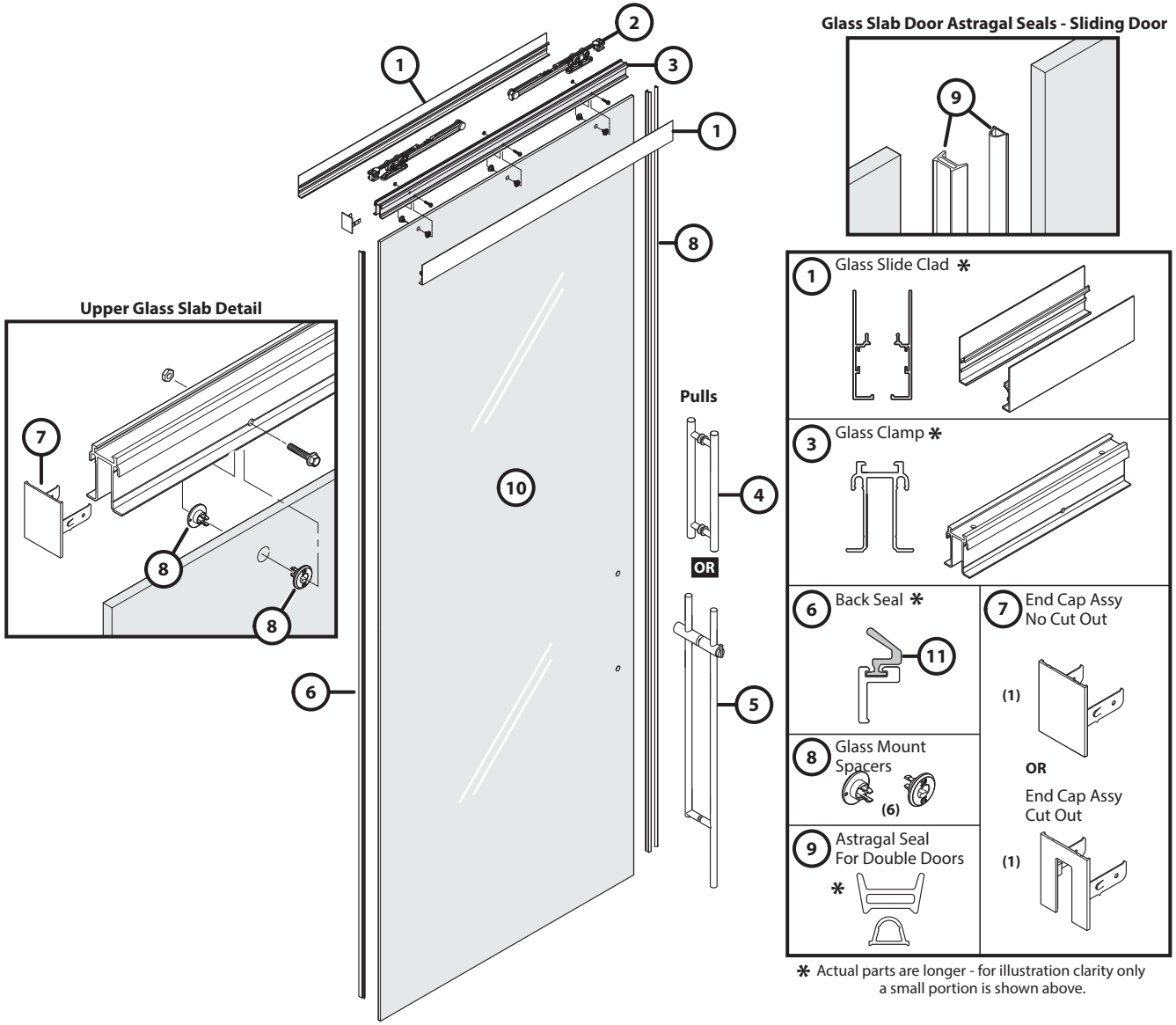
16 Alignment Tool

* Actual parts are longer - for illustration clarity only a small portion is shown above.

Sliding Door Frame - Single Glass Slab Door

Find No.	Part No.	Part Description	Part Note ID
1	AW12-1501	FQFSP Dr Fr, 1Chnl/ 2Chnl, 45" W SL, Header, Sgl	Also in Canvas - P/N 154-8625; incl: extrusion, glazing beads, foam seal, and brush seal
1	AW12-1502	FQFSP Dr Fr, 1Chnl/ 2Chnl, 90" W SL, Header, Dbl	Also in Canvas - P/N 154-8625; incl: extrusion, glazing beads, foam seal, and brush seal
2	AW12-2001	FQFSP Dr Fr, 1Chnl, 45" W SL, Internal Track, Sgl, Black Ano	Also in Canvas - P/N 154-8627; incl: extrusion
2	AW12-2002	FQFSP Dr Fr, 1Chnl, 90" W SL, Internal Track, Dbl, Black Ano	Also in Canvas - P/N 154-8627; incl: extrusion
3	AW10-7401	FQFSP Rail, Gls Cap, 1 Chnl,122" L	Also in Canvas - P/N 154-2849; incl: painted extrusion, no seals
4	AW15-9601	FQFSP Dr Fr, SL, Strike Jamb to Ceil Brkt, GLSB, Glass Slab, Black	Also in Canvas - P/N 154-8612; incl: (1) bracket, screws
5	AW16-1201	FQFSP Clad Bead Kit, 2" L, 10 Pack	Also in Canvas - P/N 154-8191; incl: (10) beads, same standard 10pc pack
6	AW12-1801	FQFSP Dr Fr, 1Chnl, 45" W SL, Header Clad, Sgl	Also in Canvas - P/N 154-8624; incl: extrusion, and brush seal
6	AW12-1802	FQFSP Dr Fr, 1Chnl, 90" W SL, Header Clad, Dbl	Also in Canvas - P/N 154-8624; incl: extrusion, and brush seal
7	AW15-9001	FQFSP Dr Fr, 1Chnl/ 2Chnl, Strike Jamb, Glazed	Also in Canvas - P/N 154-8626; incl: extrusion, fin seals, and door seals
8	AW15-0901	FQFSP Dr Fr, 1Chnl or 2Chnl, SL, Bypass Jamb, Glazed	Also in Canvas - P/N 154-8623; incl: extrusion, fin seals
9	AW15-9401	FQFSP Dr Fr, SL, Floor Strike Brkt, Black	Also in Canvas - P/N 154-8614; incl: (1) bracket, screws
10			Available in Canvas Only - P/N 155-0010 GLSB Sliding Door Guide
11	AW15-9801	FQFSP Dr Fr, SL, Floor Bypass Brkt, GLSB, Glazed, Black	Also in Canvas - P/N 154-8615; incl: (1) bracket, screws
12	AW15-9301	FQFSP Dr Fr, SL, Bypass to Top Rail Brkt, Black, w/ Screws	Also in Canvas - P/N 154-8616; incl: (1) bracket, screws
13	AW17-5301	FQFSP Dr Frame, Sliding Track Shim Kit, 24 Pack	Also in Canvas - P/N 148-7683; incl: (8) 1/16" shims, (8) 1/8" shims, (8) 1/4" shims
14	AW12-9101	FQFSP Dr Fr, SL, Header End Cap, Painted	Also in Canvas - P/N 154-8613; incl: end cap
15	AW11-7301	FQFSP Rail Brkt, Lateral Bracing, Single Pack	Also in Canvas - P/N 147-6421; incl: (1) bracket - standard kit
16	AW17-5801	Alignment Tool	Also in Canvas - P/N 155-0102
17	AW10-9401	FQFSP Dr Fr, Sliding, Brush Seal, Gray – 25 ft roll	Also in Canvas - P/N 157-3787
18	AW10-1101	FQFSP Glazing Bead, Rail + Dr Fr, Black – 1 PC (122”)	Also in Canvas - P/N 157-3789
18	AW10-1102	FQFSP Glazing Bead, Rail + Dr Fr, Clear – 1 PC (122”)	Also in Canvas - P/N 157-3789
19	AW10-6701	FQFSP Dr Fr, Sliding, Door Frame Seal, Black – 25 ft roll	Also in Canvas - P/N 157-3788
19	AW10-6702	FQFSP Dr Fr, Sliding, Door Frame Seal, Gray – 25 ft roll	Also in Canvas - P/N 157-3788

Sliding Door - Door Leaf - Glass Slab



Sliding Door - Door Leaf - Glass Slab

Find No.	Part No.	Part Description	Part Note ID
1	AW12-2401	FQFSP Dr Lf, GLSB Slide, Glass Clamp Clad, SGL Door Config	Also in Canvas - P/N 154-8596; incl: extrusion, 1 piece
1	AW12-2402	FQFSP Dr Lf, GLSB Slide, Glass Clamp Clad, DBL Door Config	Also in Canvas - P/N 154-8596; incl: extrusion, 1 piece
2			Order through standard ordering - P/N 147-4999 FQF Hardware, Soft Close Kit, Glass Sld Dr
3	AW12-2201	FQFSP Dr Lf, GLSB Slide, Glass Clamp, 45" W	Also in Canvas - P/N 154-8597; incl: extrusion
4			Order through standard ordering - P/N 147-5002 FQF Hardware, Dr Pull, Non-Lock
5			Order through standard ordering - P/N 147-6420 FQF Hardware, Dr Pull, Locking
6	AW10-8901	FQFSP Dr Lf, GLSB Slide, Back Seal	Also in Canvas - P/N 154-8600; incl: extrusion, and door seal
7	AW11-6401	FQFSP Dr Lf, GLSB Slide, No Cutout End Cap Asm, Painted	Also in Canvas - P/N 154-8595; incl: end cap, version used on strike of single door
7	AW11-6402	FQFSP Dr Lf, GLSB Slide, w/ Cutout, End Cap Asm, Painted	Also in Canvas - P/N 154-8599; incl: end cap, version used on bypass our double door strike
8	AW14-4201	FQFSP Dr Lf, Slide Glass Mnt Spacer 10mm, 6 Pack	Also in Canvas - P/N 154-8594; incl: (6) spacers
9	AW17-5901	FQFSP Dr Lf, GLSB Slide, Dbl Seal Kit	Also in Canvas - P/N 154-8598; incl: (2) plastic extrusions with VHB tape
10			Available in Canvas Only - P/N 155-0546 FQFSP, Dr Lf, GLSB Slide Actv, Glass
10			Available in Canvas Only - P/N 155-0547 FQFSP, Dr Lf, GLSB Slide Inac, Glass
11	AW10-6601	FQFSP Dr Fr, Pivot, Door Frame Seal, Black – 25 ft Roll	Also in Canvas - P/N 157-3786
11	AW10-6602	FQFSP Dr Fr, Pivot, Door Frame Seal, Gray – 25 ft Roll	Also in Canvas - P/N 157-3786