

NOTE:

Slim line or butt hinge.

NOTE:

For satin glass orientation please refer to the installation drawings. Unless noted otherwise, use the default.

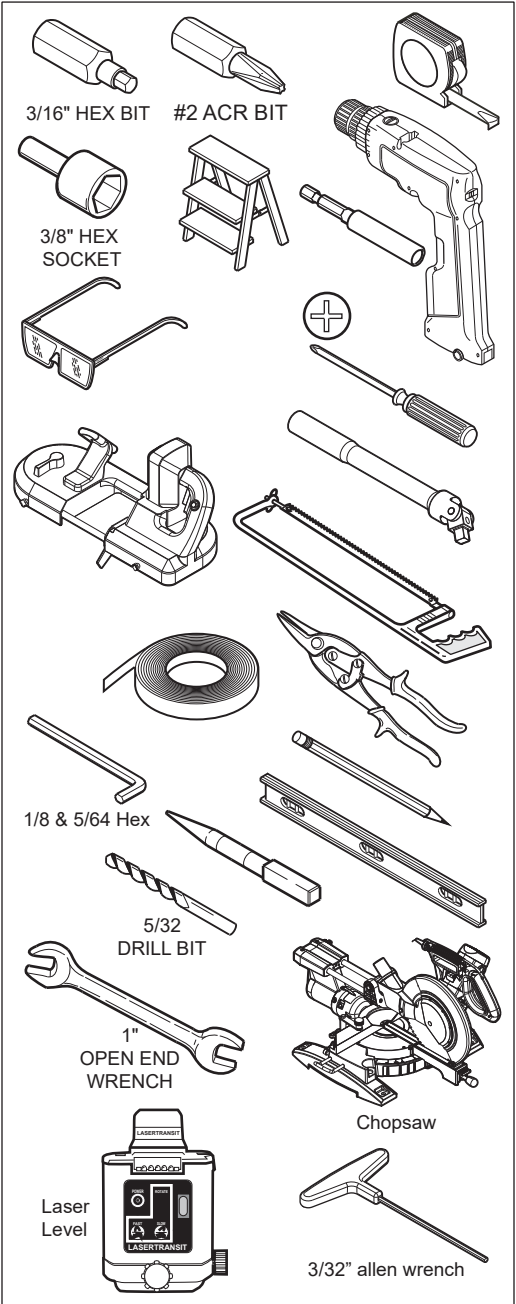
DEFAULT GLASS ORIENTATION:

Rough side to go on the inside of the office space.

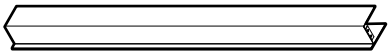
ETCHED GLASS STYLES:

- Satin

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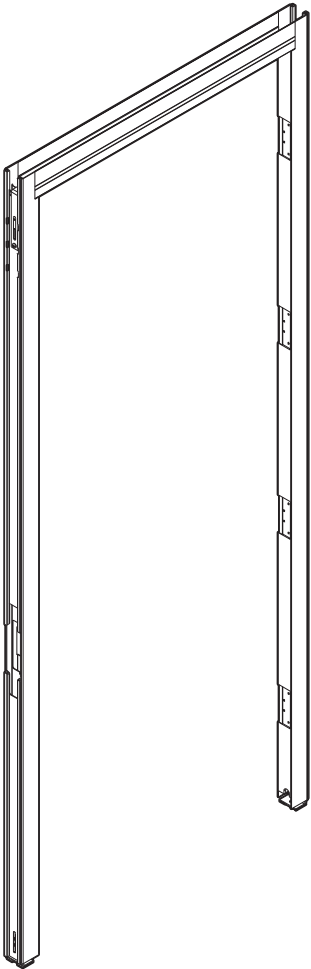


Full Height Frame (KNOCK-DOWN)
TOP RAIL ASSEMBLY, TOP STRIKE ASSEMBLY,
UPRIGHT (KEEPER SIDE) & UPRIGHT (HINGE SIDE).

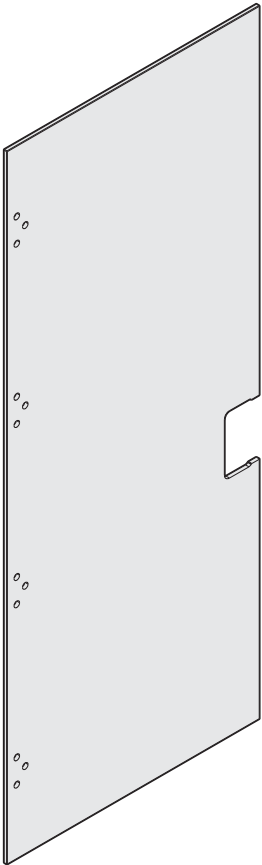


Butt-Hinged Door Components

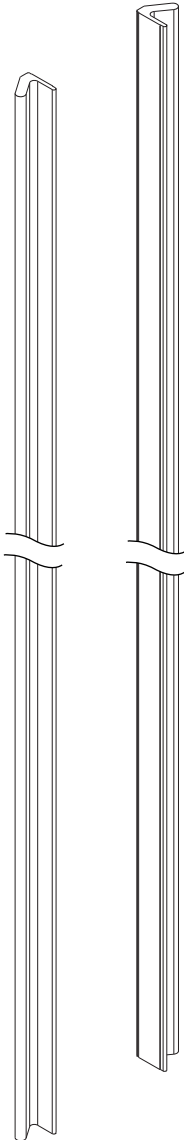
FULL HEIGHT
FRAME



DOOR
(Ordered separately
from frame unit.)

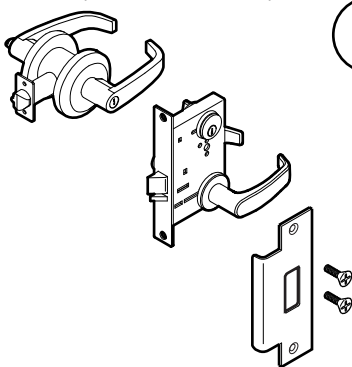


DOOR SEAL



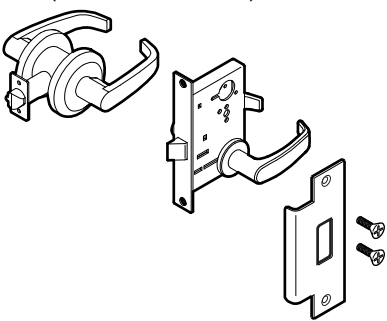
(Ordered separately from the frame unit.)

DOOR HANDLE AND STRIKE
MORTISE HANDLE
(LOCK VERSION)

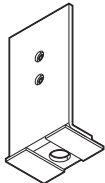


or

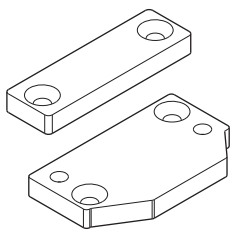
DOOR HANDLE AND STRIKE
MORTISE HANDLE
(LATCH VERSION)



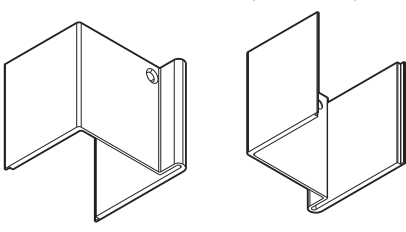
INNER PLINTH
ASSEMBLIES



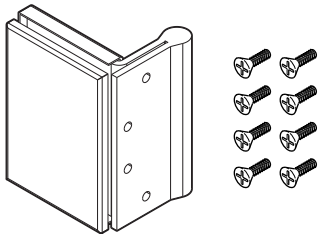
FLOOR ANCHORS



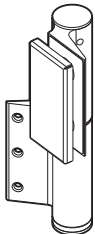
OUTER PLINTHS (2.5" or 5")



BUTT HINGE
(Quantity varies per door style)



SLIM LINE HINGE



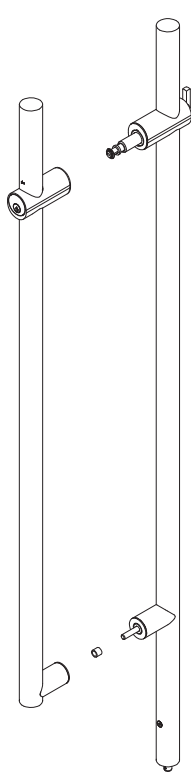
Wall
Installation
Support



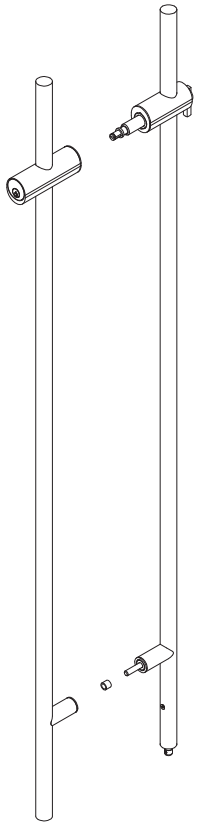
Hardware Options

Refer to the directions that are within the box for each particular product assembly.

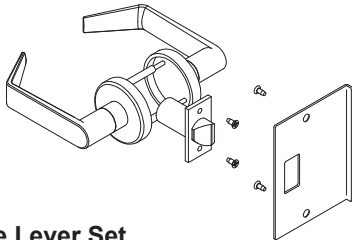
Ladder-Pull
Handle (Offset)



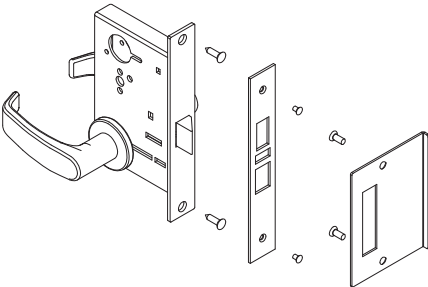
Ladder-Pull
Handle (Aligned)



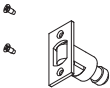
Cylindrical Lever Set



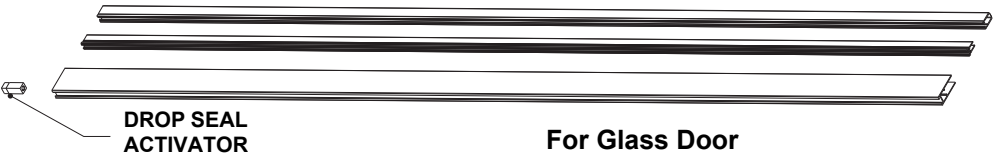
Mortise Lever Set



Roller Latch

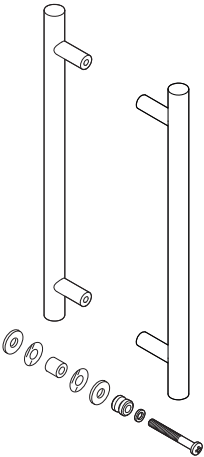


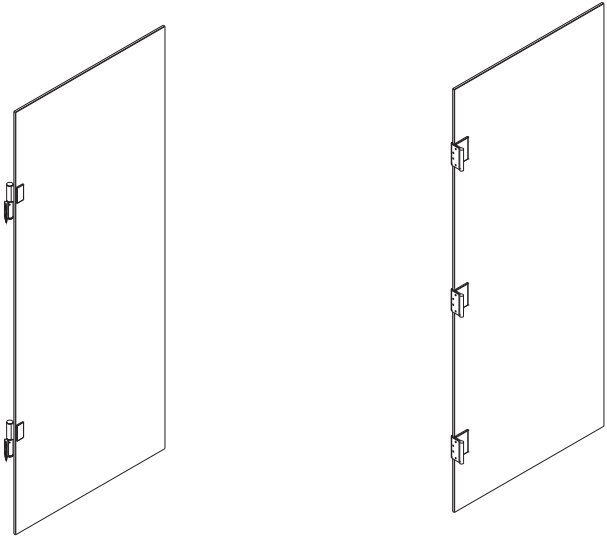
Drop Seal



For Glass Door

Push-Pull Handle

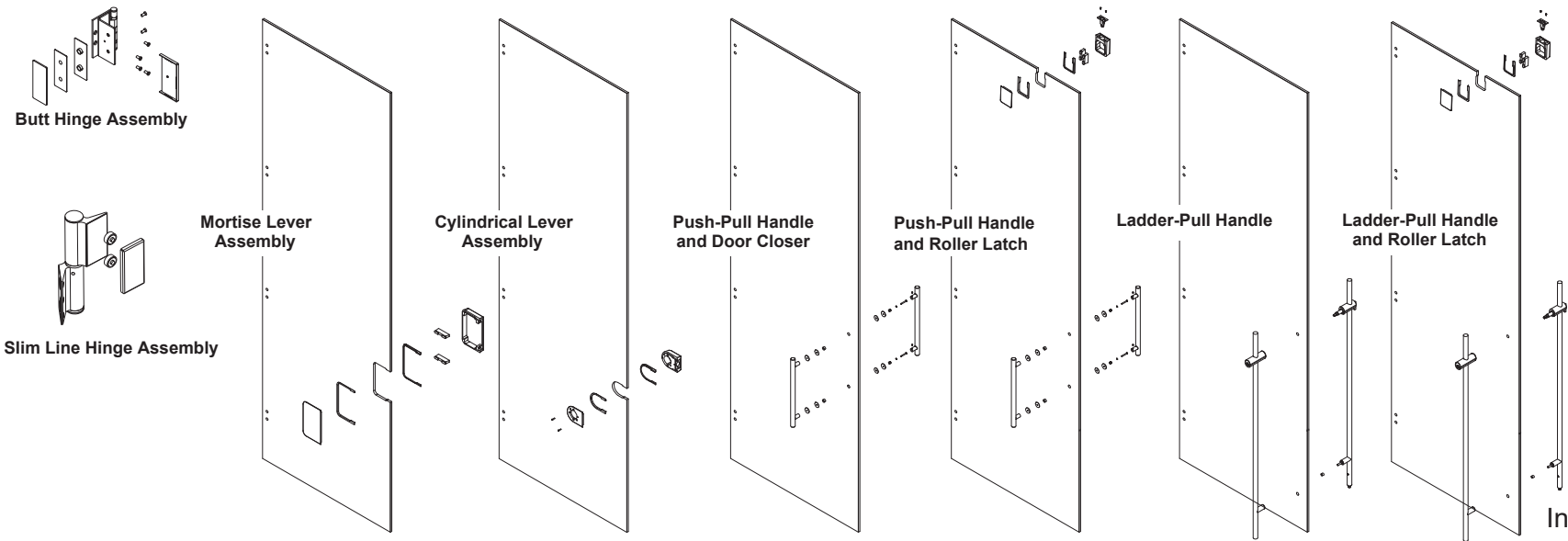




SLIM-LINE HINGE ASSEMBLY

BUTT HINGE ASSEMBLY

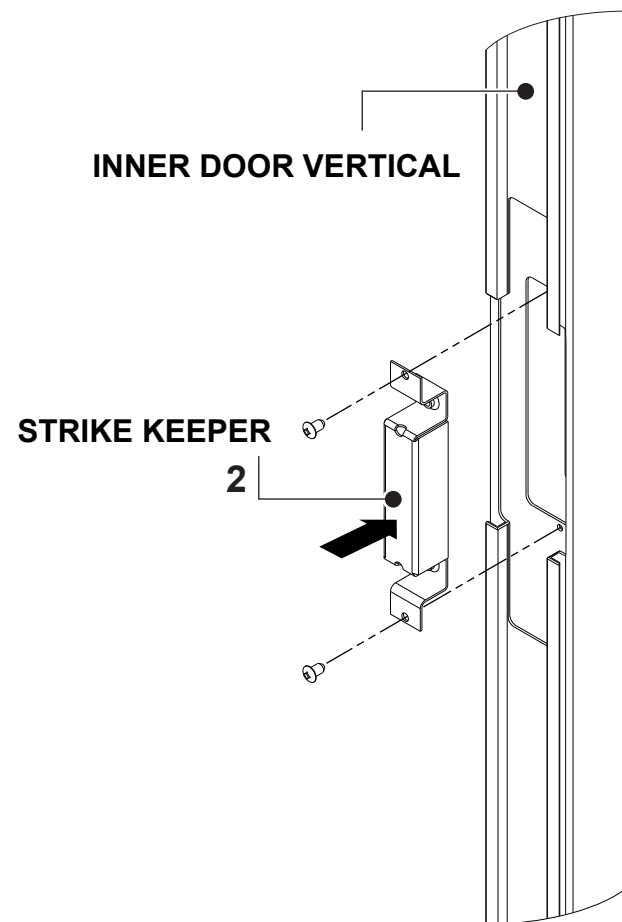
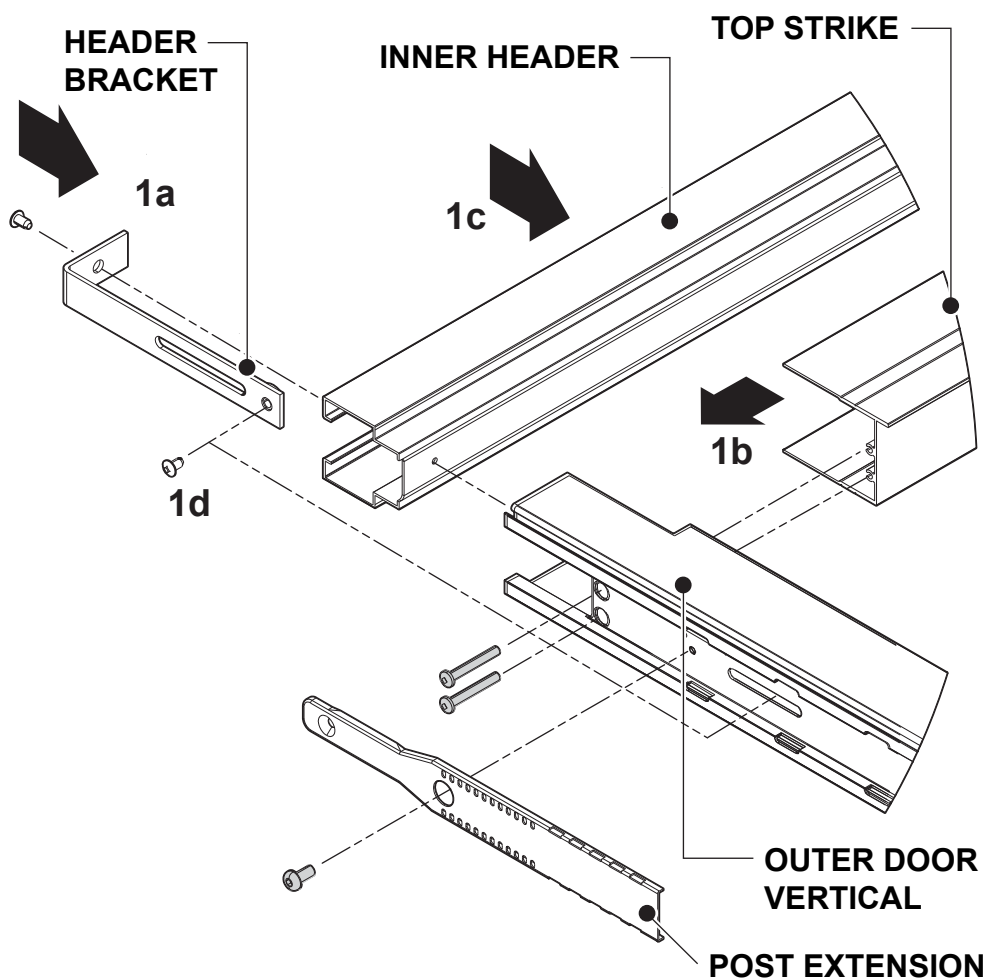
**Glass Door
Options**



Wall
Installation
Support



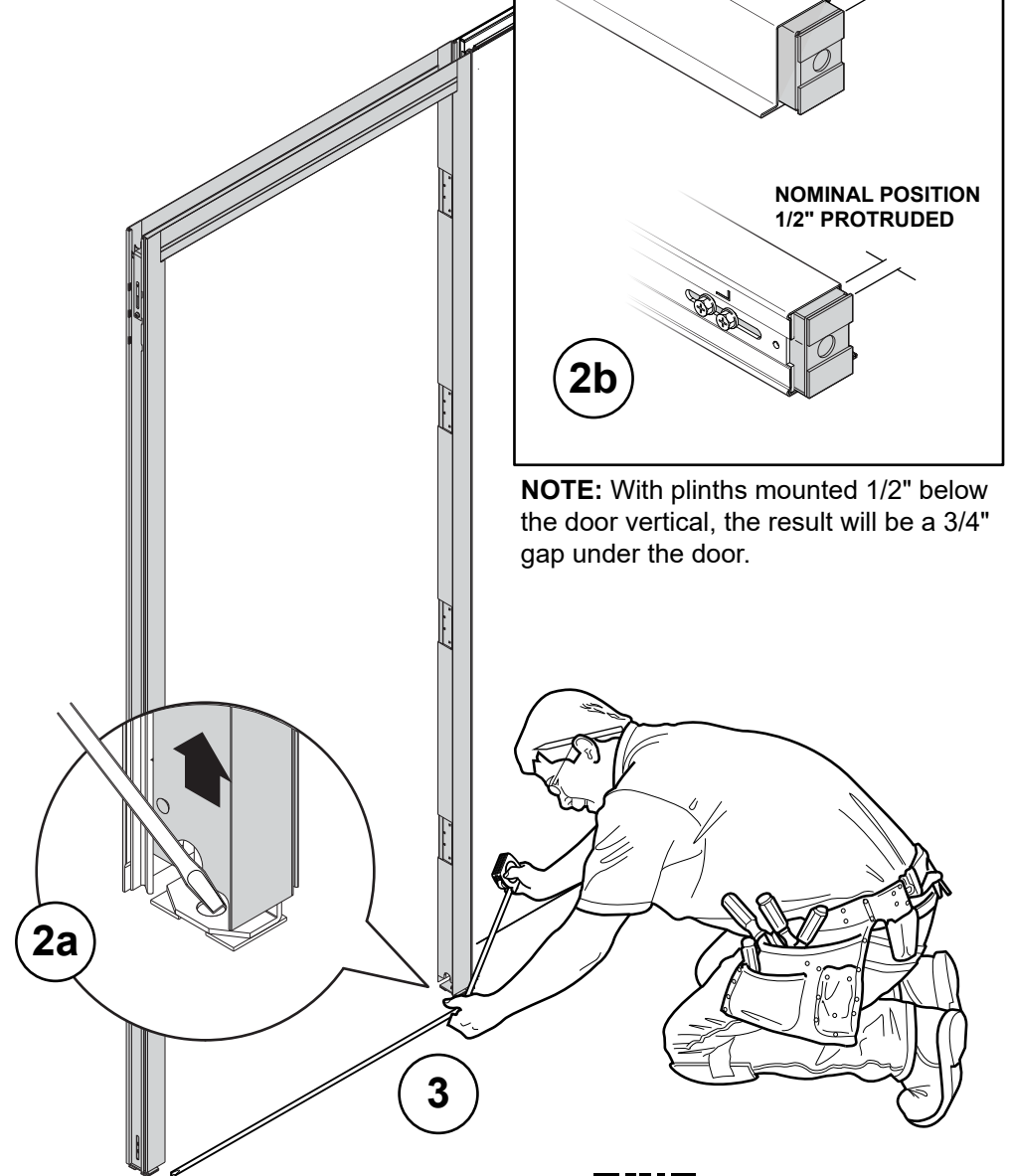
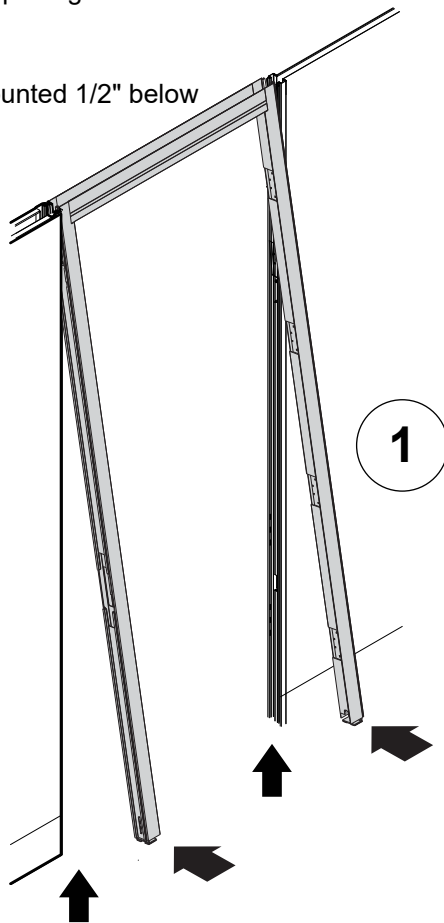
1. Attach header bracket 1(a) to the inside of the inner header. Repeat on the other end. Attach outer header to the verticals (1b) using (2) #10-16 x 1" screw on each end. Ensure to line up the door stop edges of the header to the verticals. Slide the inner header and bracket assembly (1c) into the outer header ensuring the brackets slide down inside the verticals. Align the top edge of the inner header to the top edge of the outer header, attach the end of the header bracket to the vertical (1d) and tighten. Repeat on the other side. Install the post extensions.
2. Cylindrical and Mortise Lever Latch preparation (optional)
Install the strike keeper to the inner door vertical (strike side) with two (2) #12-14 x 3/8" truss head screws provided.



Glass Selection Only

1. Lift frame up and align with panels.
2. Determine which outer door vertical must be moved upward to make the inner header assembly level horizontally. Adjust screws securing the outer door vertical.
3. Check for squareness by measuring the door opening.

With plinths mounted 1/2" below



NOTE: With plinths mounted 1/2" below the door vertical, the result will be a 3/4" gap under the door.



Glass Selection Anchoring

1. Mark the center of the hole (both sides) (1a) plus note the 37-1/2" hole distance (1b).

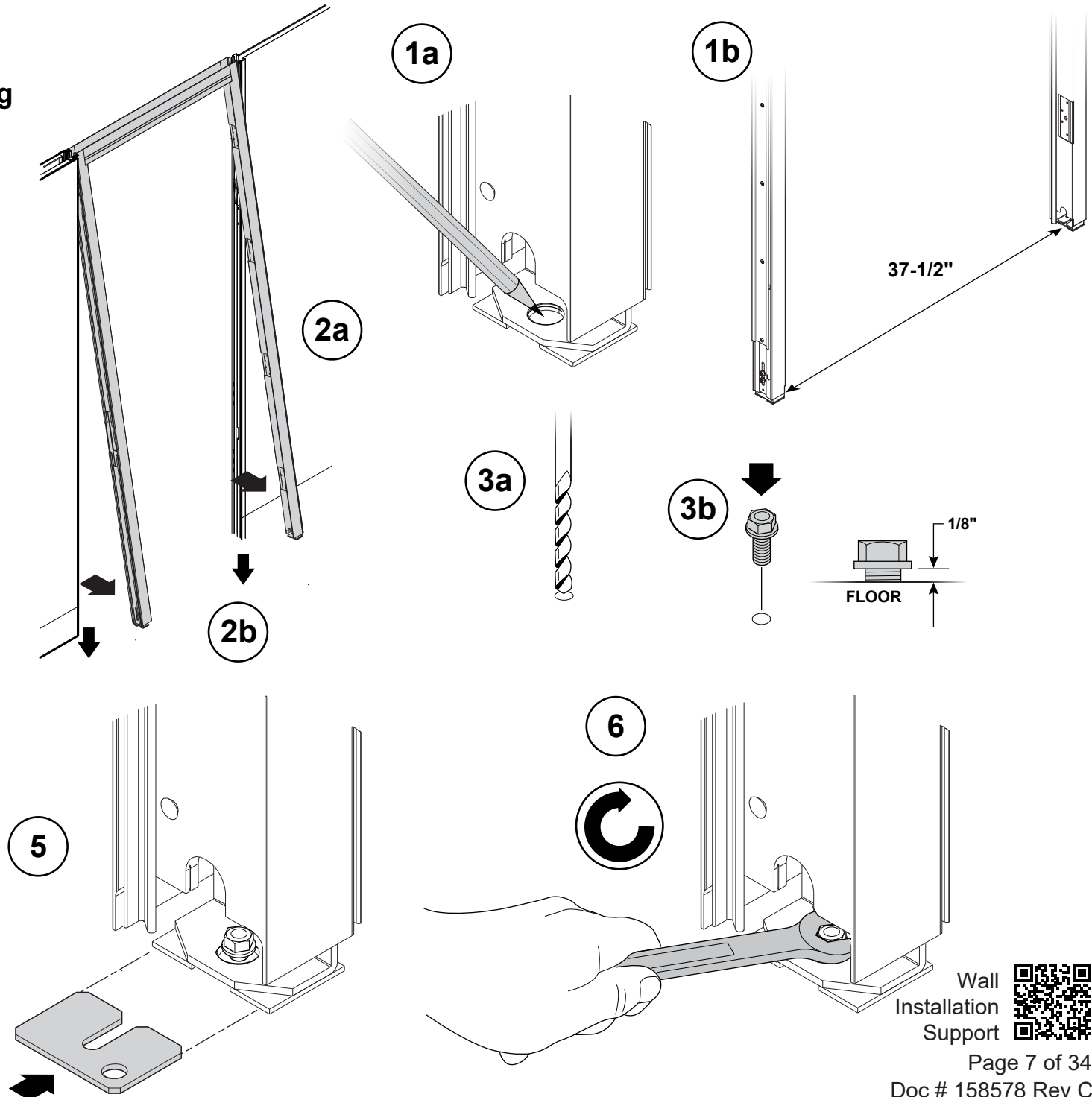
2. Slide frame legs forward (2a) for access to drill holes (2b).

3. Drill holes on the floor (3a) and semi mount the anchor screws (1/8" under screw head) (3b).

4. Slide and lift frame back into position. Check for squareness.

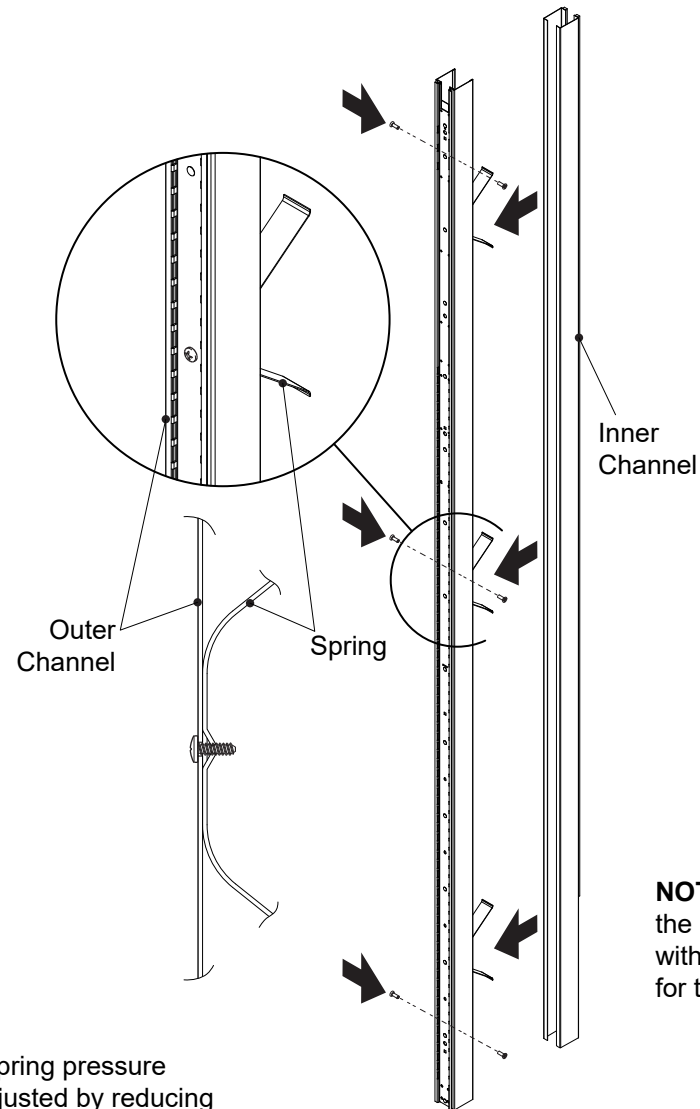
5. Slide anchor plate under screw head.

6. Tighten down the anchor screws.

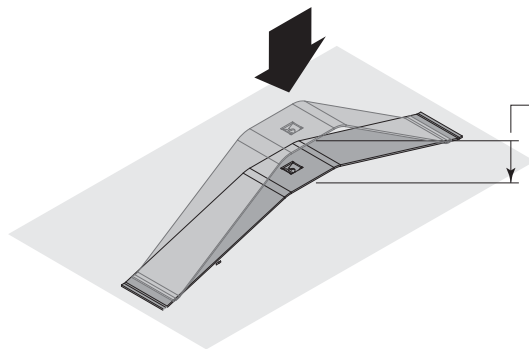


Tip (Mini Ends) with Adjacent Doors

NOTE: When installing a door frame adjacent to a mini end, it may be necessary to adjust the spring pressure to prevent bowing of the door frame from excess spring pressure.



NOTE: It is recommended that the mini end be secured in position with small flat head undercut screws for the added stability.



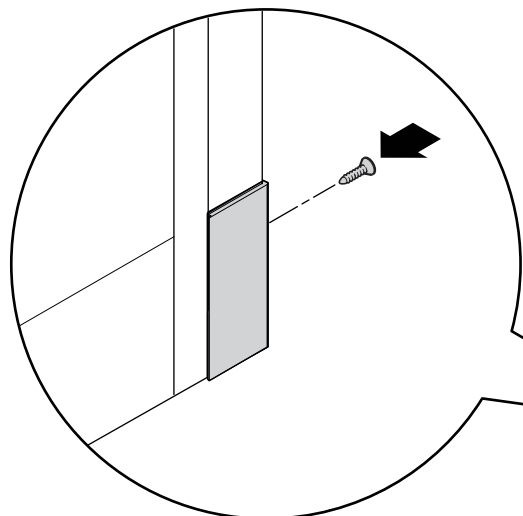
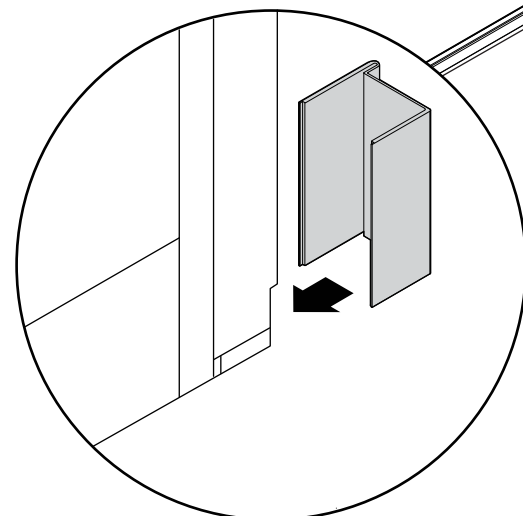
NOTE: Spring pressure can be adjusted by reducing the spring height or reducing the quantity of springs.

Wall
Installation
Support

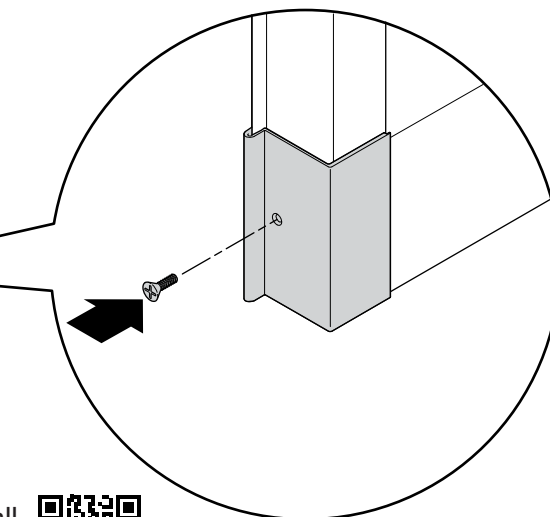
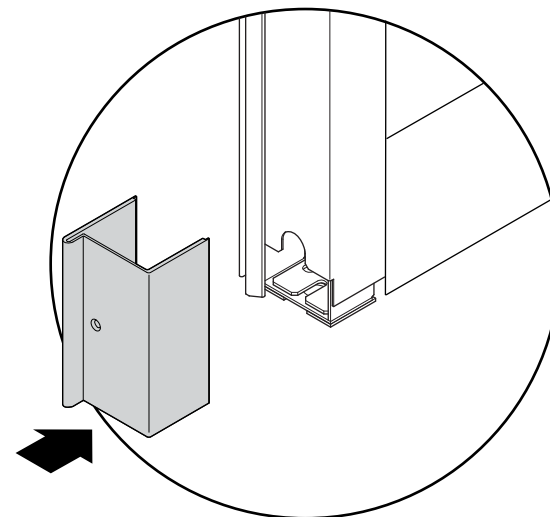


Note: 2.5" plinths are handed

1. Pre-Drill hole in vertical and install outer plinths using screws provided.

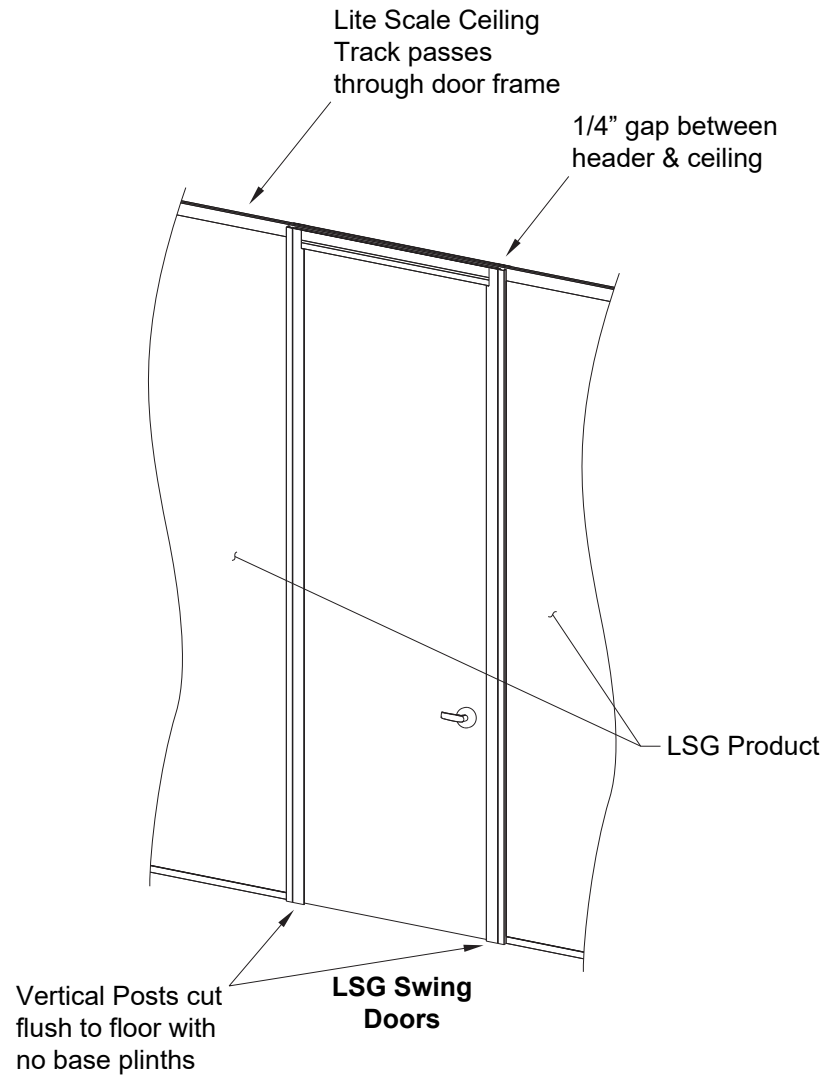


Note: For Glass Selections Frame Only



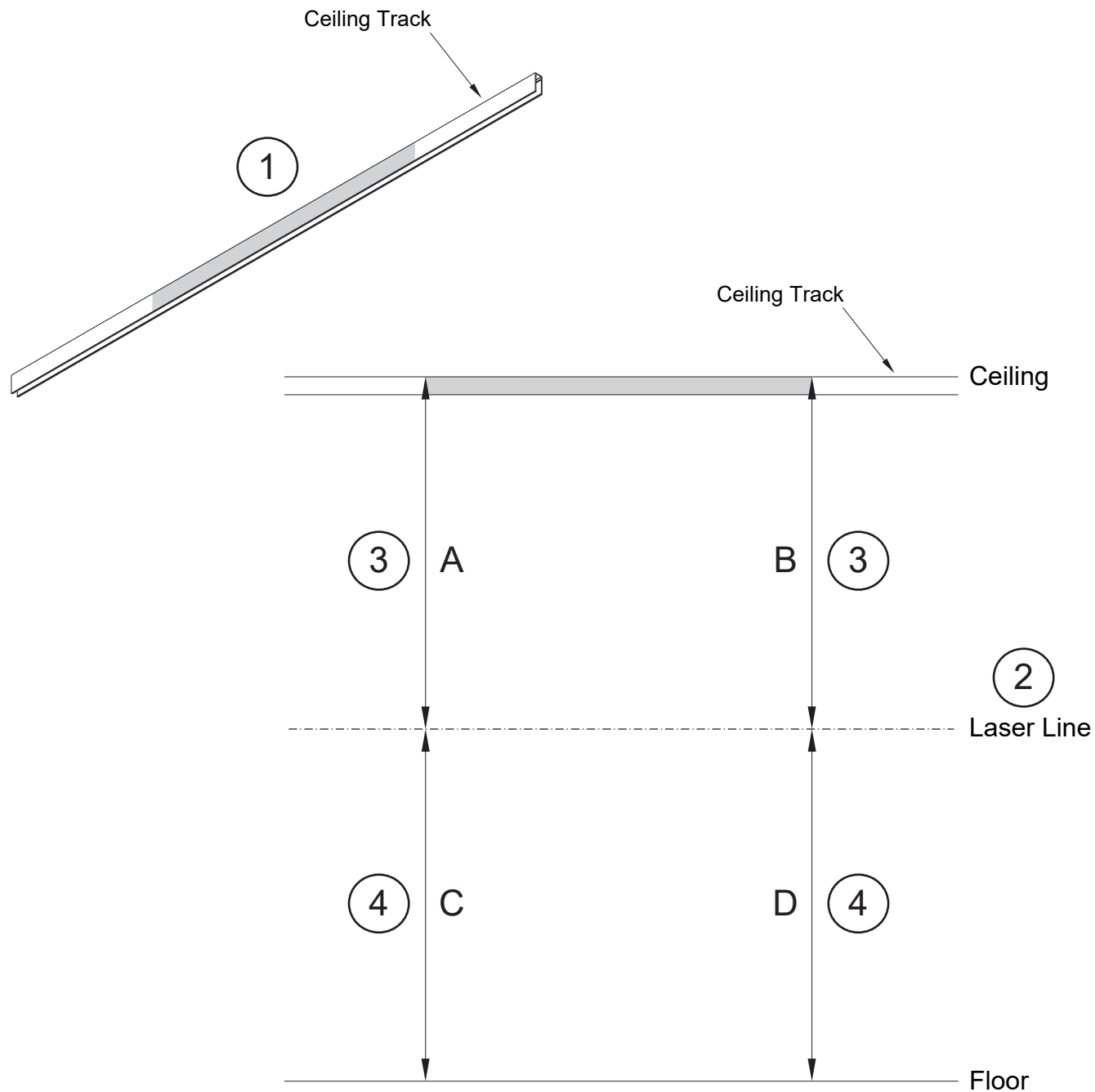
Lite Scale Door Information:

- 1.** Lite Scale Doors are designed to be installed under Lite Scale Ceiling Track.
- 2.** Lite Scale Doors are designed to be 1" taller than Glass Selections doors and will have a smaller 1/4" gap between the header and ceiling when installed.
- 3.** Lite Scale Door Frame vertical posts are cut to fit the specific site installation location. The Lite Scale Door Frame has no base plinths.



Site Measurement:

1. Locate area of ceiling track where door frame will be installed using dimensions on installation drawing.
2. Establish a horizontal laser line.
3. Measure from ceiling to laser line where each door frame vertical will be positioned and record those measurements as A & B.
4. Measure from floor to laser line where each door frame vertical will be positioned and record those measurements as C & D.



Vertical Post Cut Length:

Door frame vertical posts need to be cut 1/4" shorter than the floor to ceiling height where the door frame will be installed. If the ceiling is not level, the 1/4" gap will be established by the shorter floor to ceiling measurement. If the floor is not level, the left side and the right side vertical posts will have different final cut lengths.

1. Use dimensions A, B, C & D from site measurement to determine vertical post length.

2. Calculate length of each vertical post - If A & B are not equal, use the shorter value for calculating length of both posts.

3. See example calculation using example measurements shown for A, B, C & D.

4. Measure & cut each vertical post using the calculated dimension for each post. The cut should be made to the bottom of each vertical post.

NOTE: If B were the smaller dimension of A & B, B would be used here.

NOTE: We are using A because A is the smaller dimension of A & B.

- 1** Example Measurements:
A = 59-7/8"
B = 60"
C = 59-7/8"
D = 60"

2 Cut Length Formula:
Left Side Vertical Post

$$\begin{array}{r} A \\ + C \\ \hline - 1/4" \\ \hline \text{Final cut length} \end{array}$$

Right Side Vertical Post

$$\begin{array}{r} A \\ + D \\ \hline - 1/4" \\ \hline \text{Final cut length} \end{array}$$

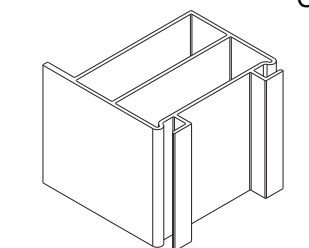
3 Cut Length Formula:
Left Side Vertical Post

$$\begin{array}{r} 59-7/8" \\ + 59-7/8" \\ \hline 119-3/4" \\ - 1/4" \\ \hline \text{Final cut length } 119-1/2" \end{array}$$

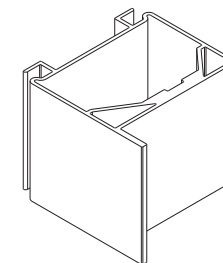
Right Side Vertical Post

$$\begin{array}{r} 59-7/8" \\ + 60" \\ \hline 119-7/8" \\ - 1/4" \\ \hline \text{Final cut length } 119-5/8" \end{array}$$

- 4** Calculated cut line



Strike side vertical scrap

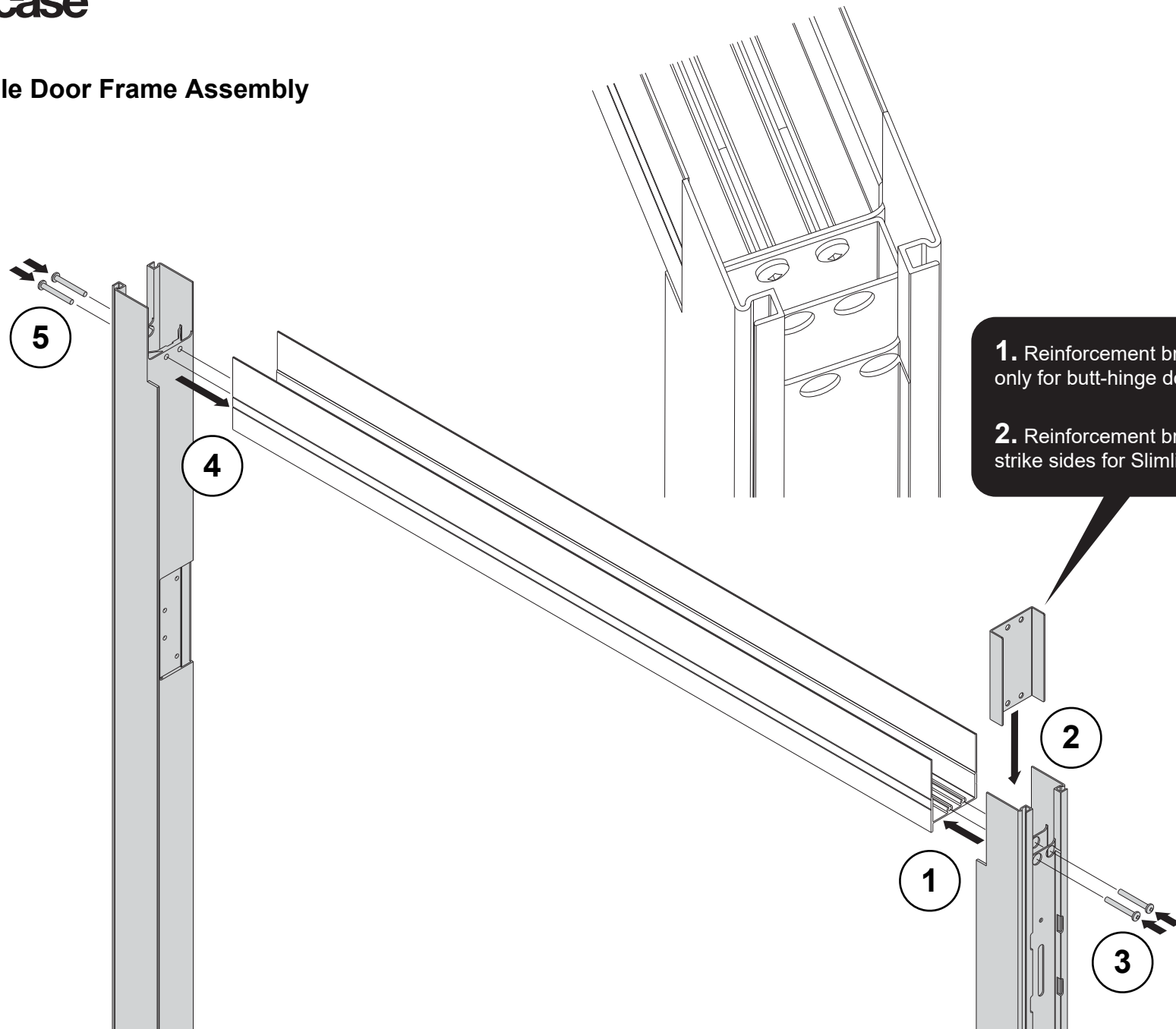


Hinge side vertical scrap

NOTE: Save scrap pieces cut from each post for locating anchor brackets in a later step.



Lite Scale Door Frame Assembly



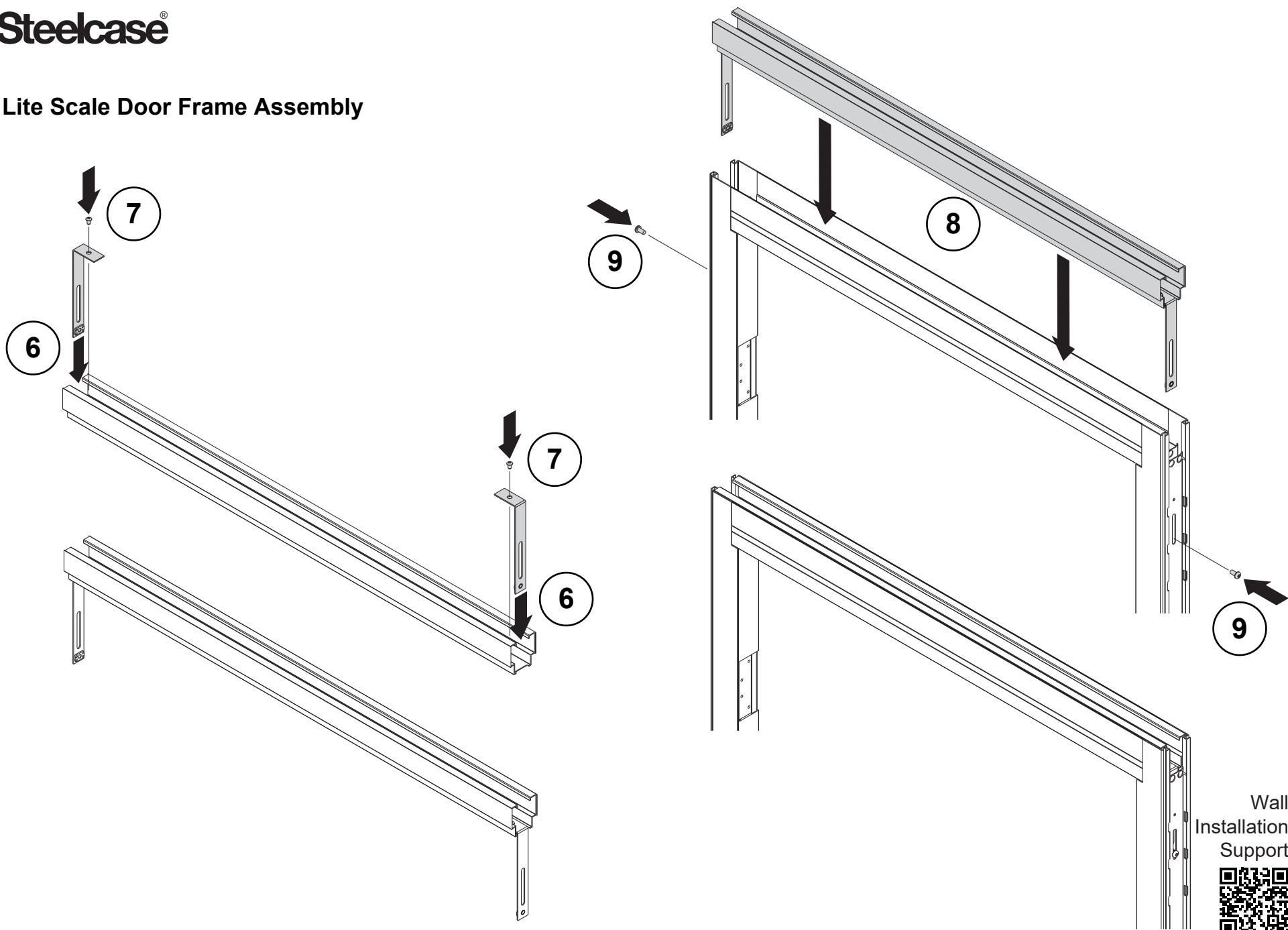
1. Reinforcement bracket, strike side only for butt-hinge doors.

2. Reinforcement brackets, hinge & strike sides for Slimline hinge doors.

Wall
Installation
Support



Lite Scale Door Frame Assembly

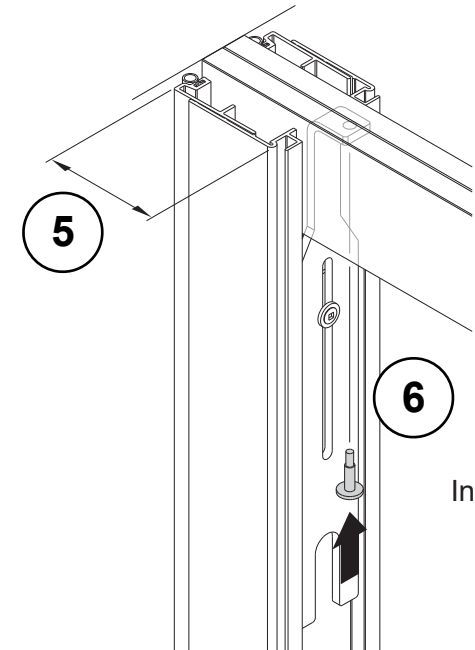
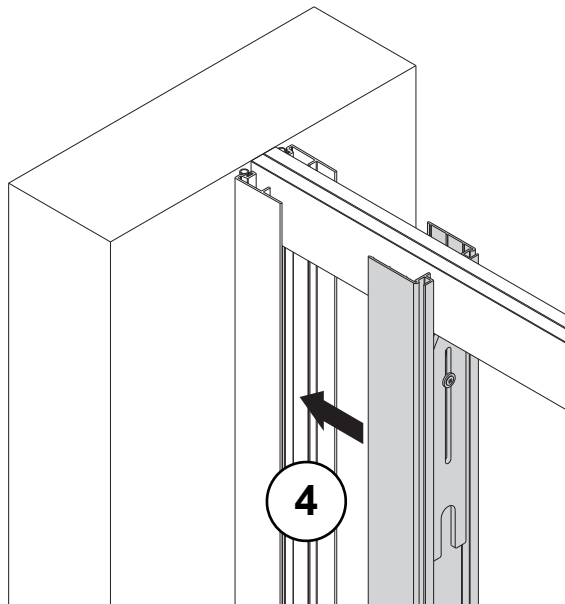
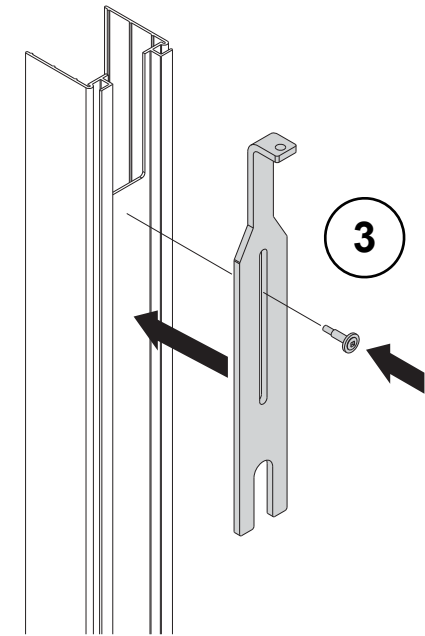
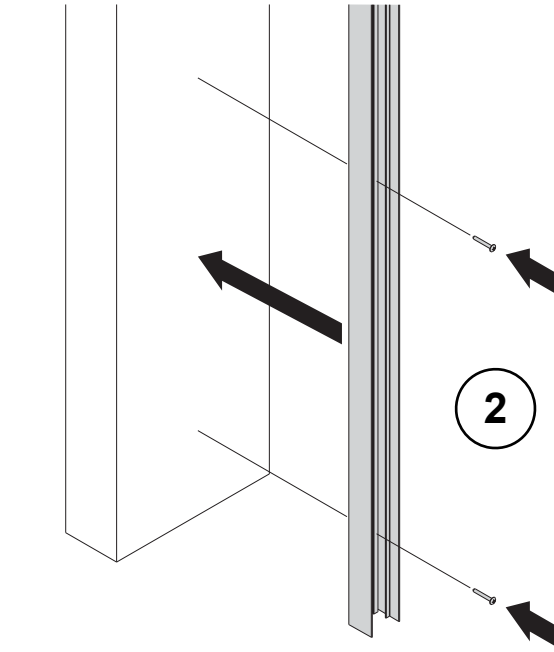


Wall
Installation
Support



Lite Scale Door with adjacent Mini-End

1. Cut inner & outer channels same length as adjacent door frame vertical.
2. Fasten wall channel portion of mini-end to build wall.
3. Attach post extension to adjustable channel of mini-end.
4. Install adjustable channel onto fixed wall channel.
5. Set adjustable channel at desired distance from building wall.
6. Attach post extension to ceiling track to lock mini-end at desired dimension.

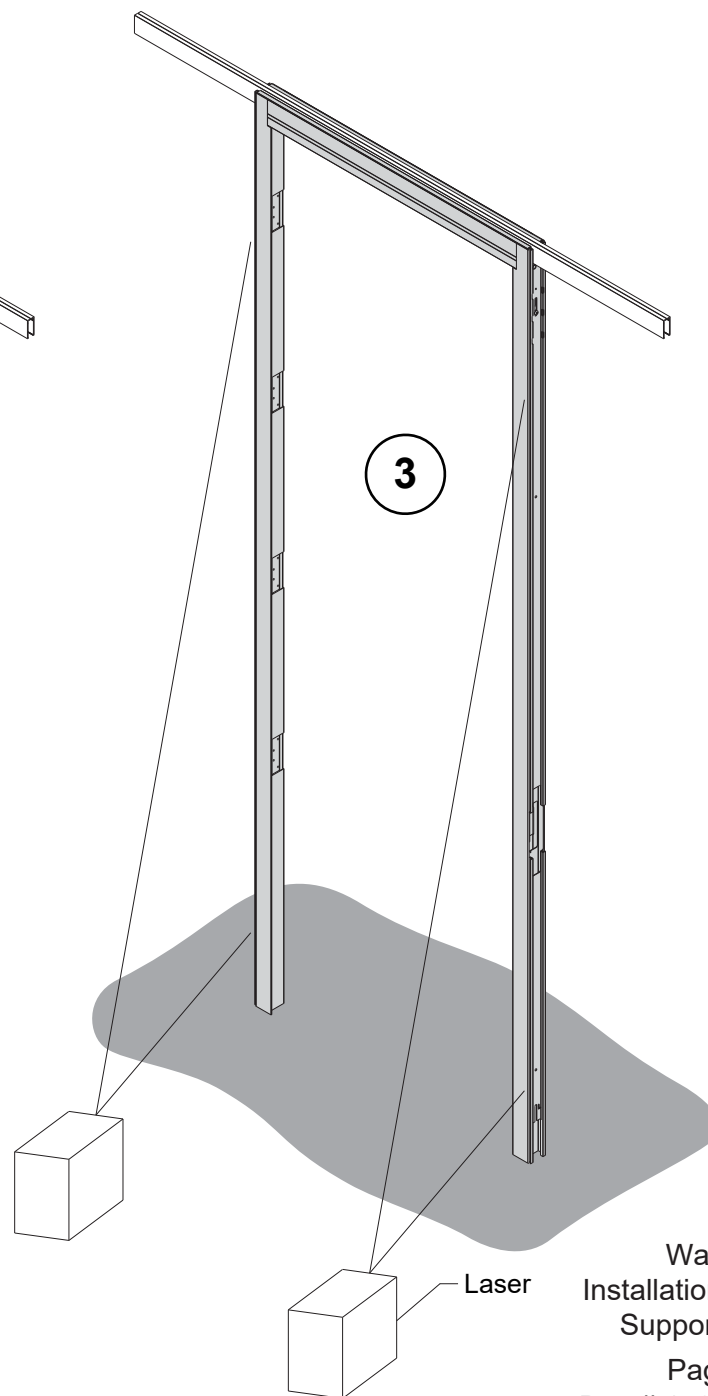
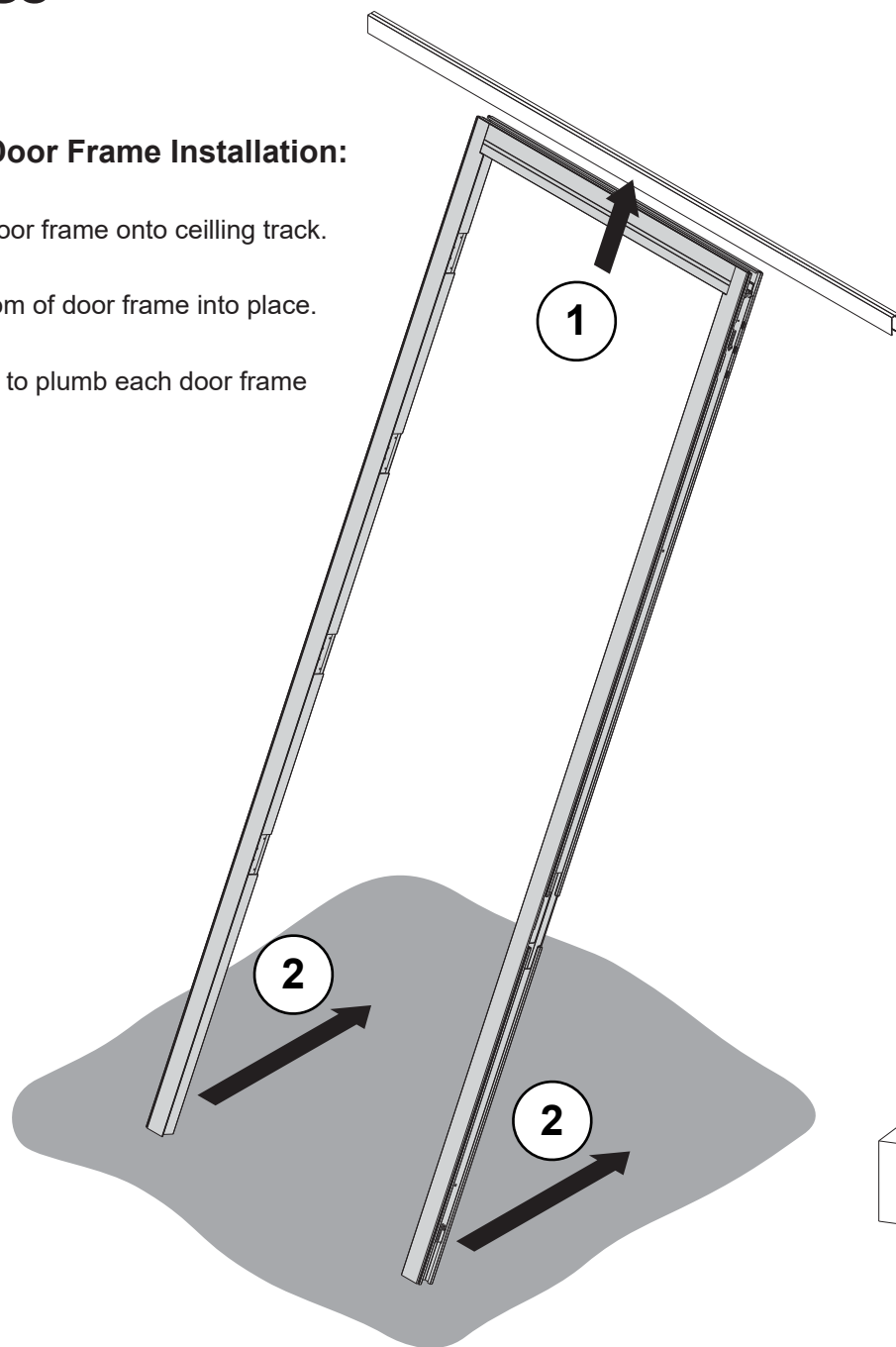


Wall
Installation
Support



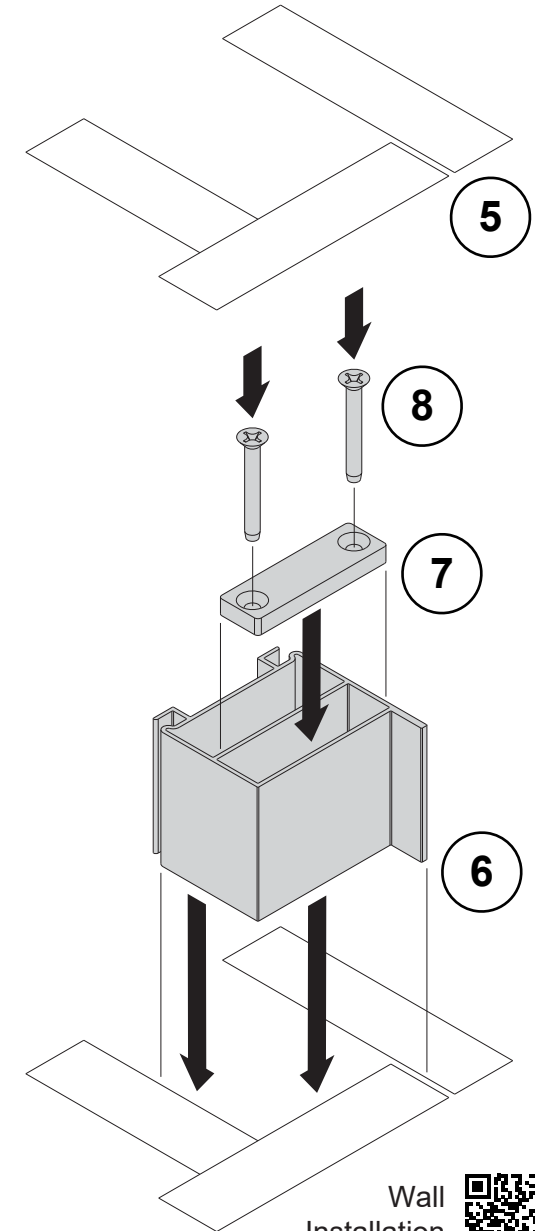
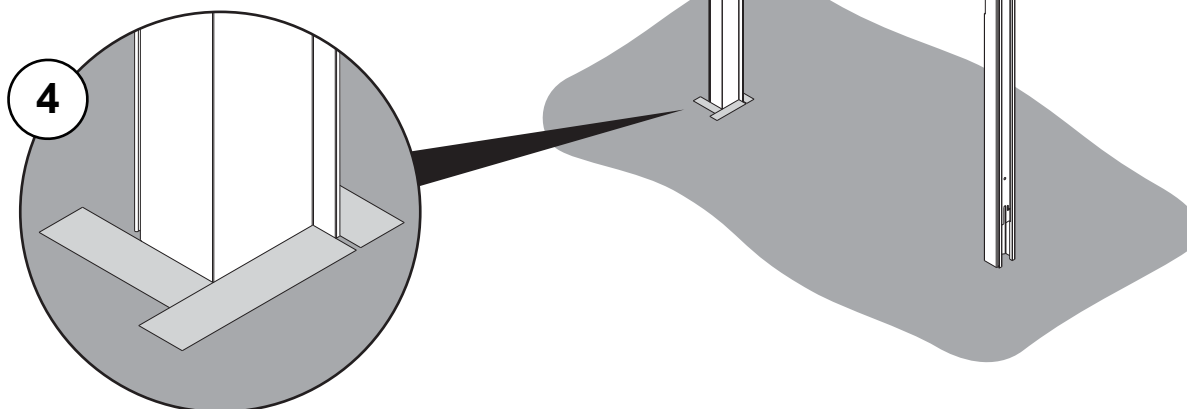
Lite Scale Door Frame Installation:

1. Lift top of door frame onto ceiling track.
2. Swing bottom of door frame into place.
3. Use a laser to plumb each door frame vertical.



Lite Scale Door Frame Installation:

4. Mark location of bottom of each door frame vertical post with tape.
5. Move door frame so taped location of door frame vertical posts can be accessed.
6. Place scrap pieces from vertical post length cuts in tape references on floor.
7. Place anchor plates inside vertical post scrap pieces on floor.
8. Install appropriate flat head fasteners to secure anchor plates to floor.



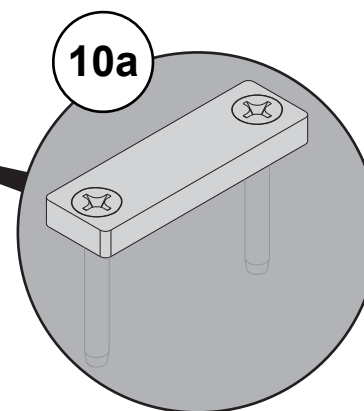
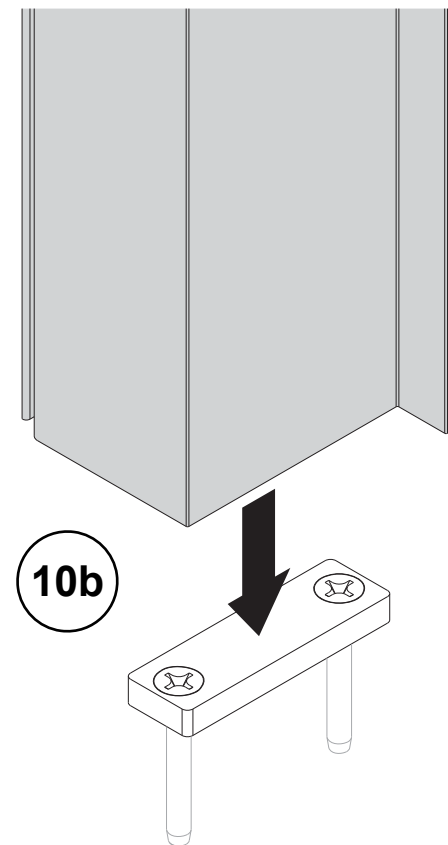
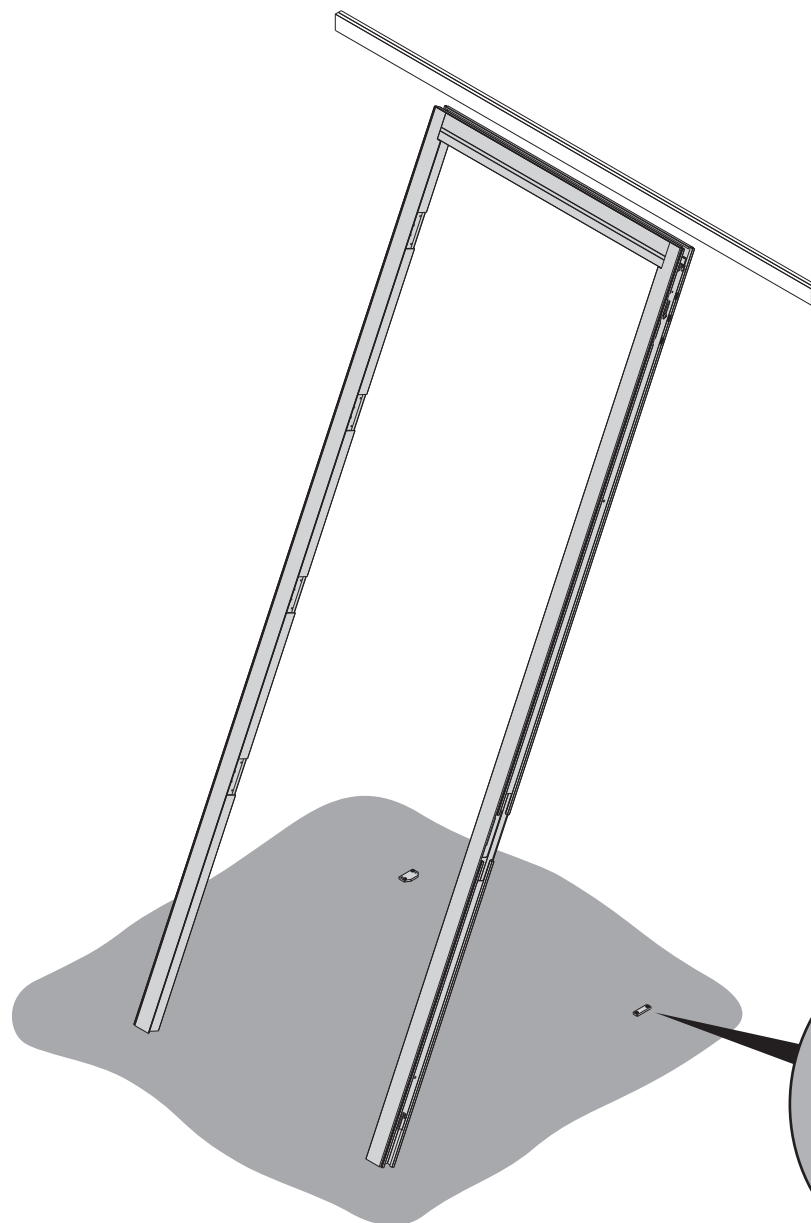
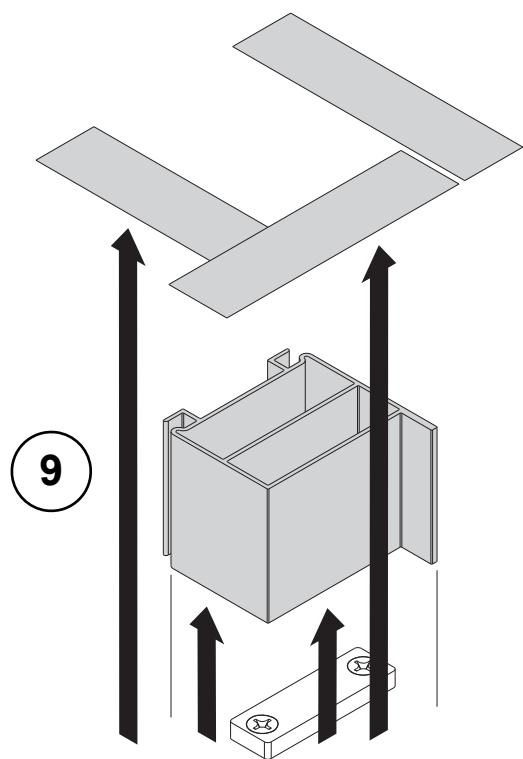
Wall
Installation
Support



Lite Scale Door Frame Installation:

9. Remove scrap pieces of vertical posts and tape from floor.

10. Reposition door frame, lifting the vertical posts over the anchor plates and sitting them down onto the anchor plates.

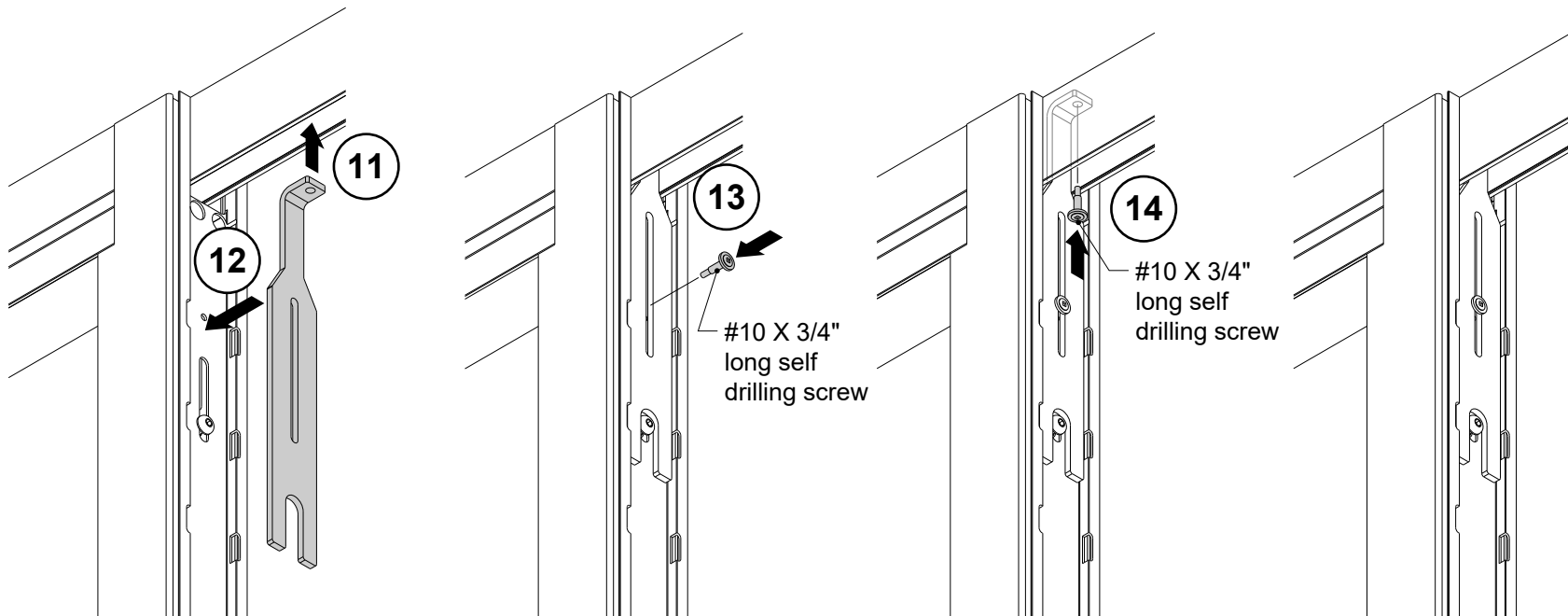


Wall
Installation
Support



Lite Scale Door Frame Installation:

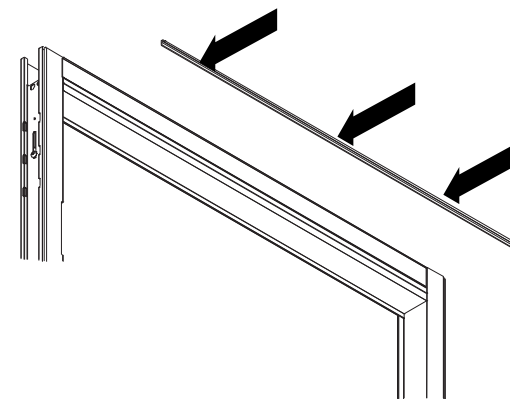
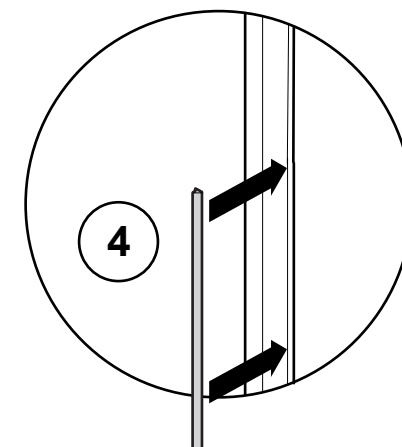
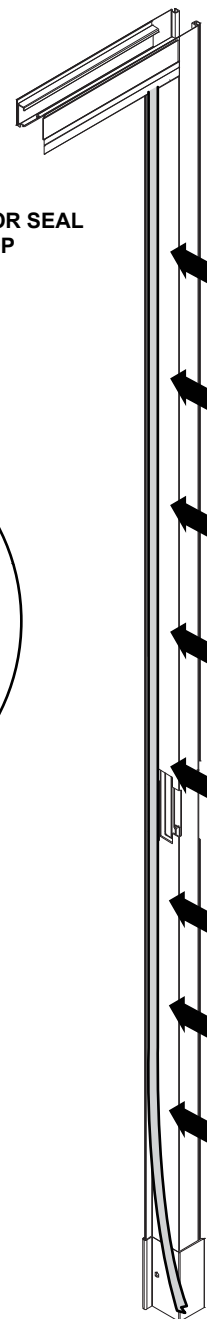
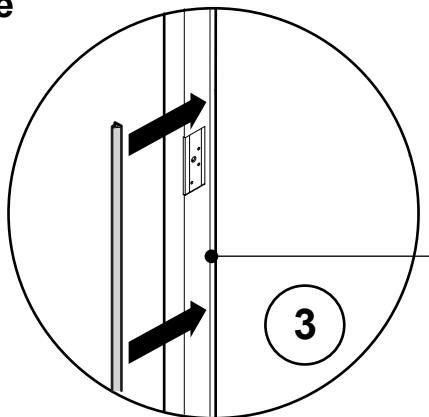
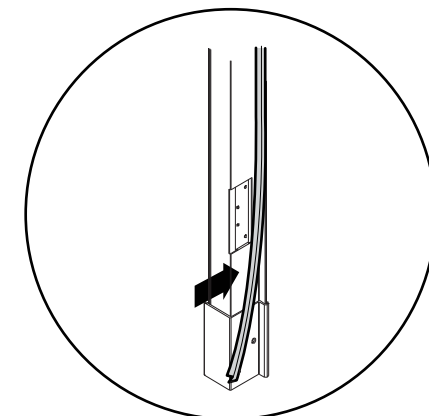
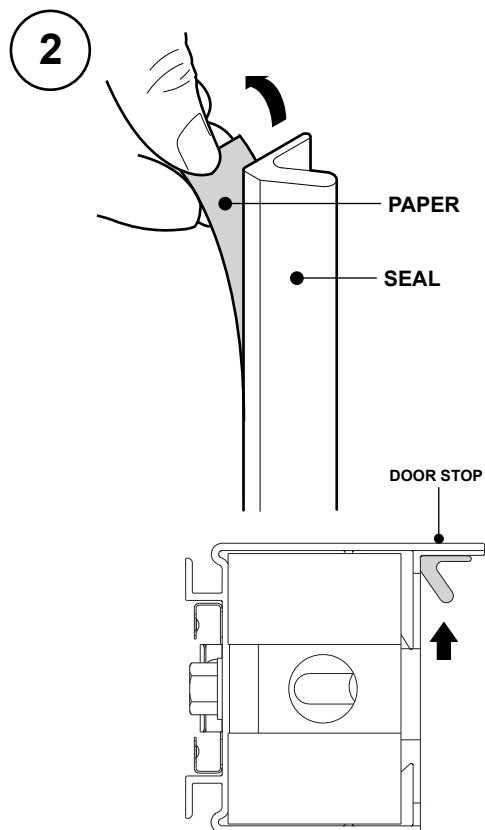
Fasten top of door frame to ceiling track with post extensions.



Hinge Side

Strike Side

1. Clean lip of extrusions before applying tape.
2. Peel off paper on back of seal.
3. On hinge side, apply door seal starting at top and work downward.
4. Repeat procedure for strike side.



Note: Make sure to extend the seal across the seam between the door vertical and adjustable header

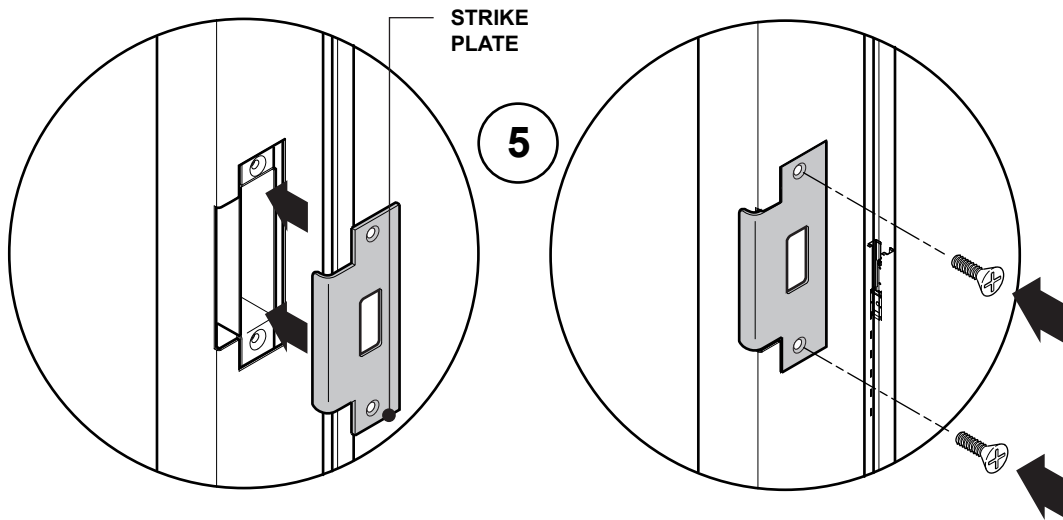
Note: Seal goes over the plinth to the floor

Wall
Installation
Support

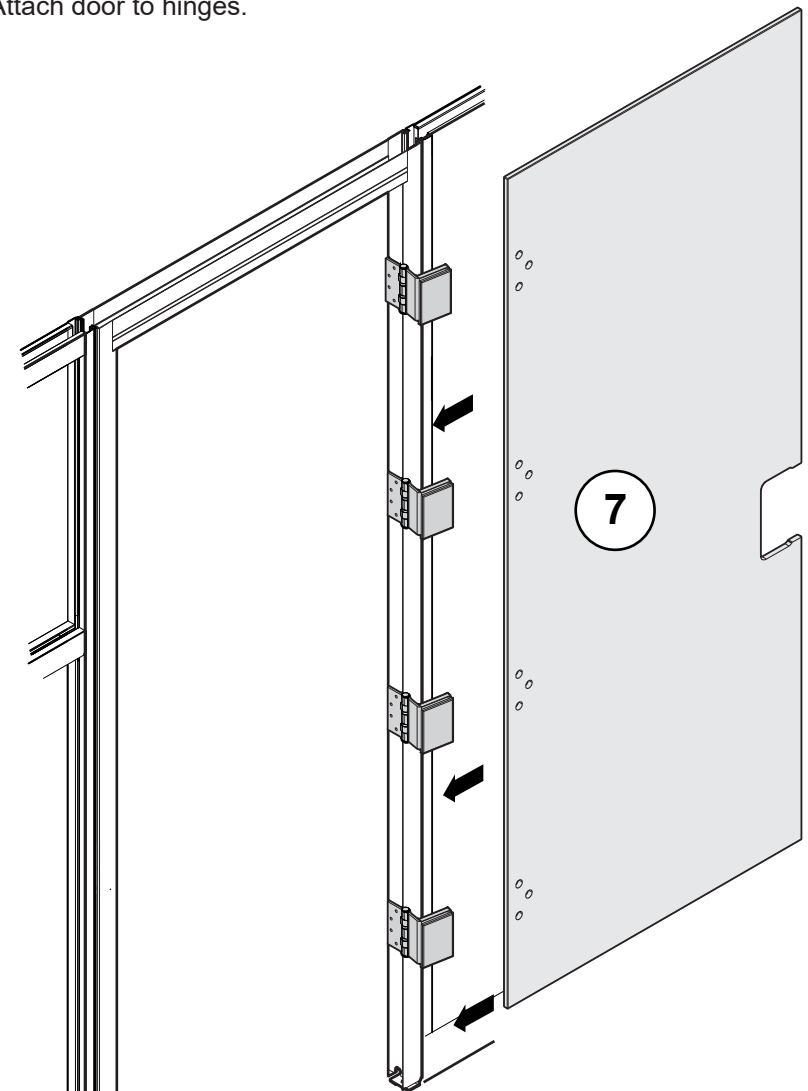
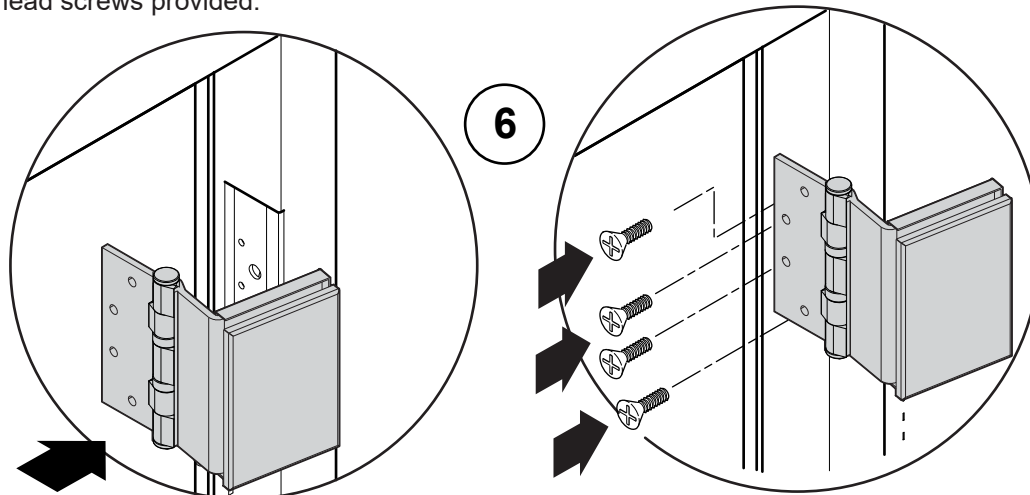


7. Attach door to hinges.

5. Install strike plate to the inner door vertical (strike side) with the two (2) #10-16 x 1/2" flat head screws provided.



6. Install hinges to hinge side. Attach using the four (4) #10-16 x 1/2" flat head screws provided.



IMPORTANT NOTE: When installing hinge screws to door frames, do not use impact drivers. Ensure all screws are threaded correctly, seated well, and securely tightened.



Door Preparation & Installation

Glass Door - Butt Hinges

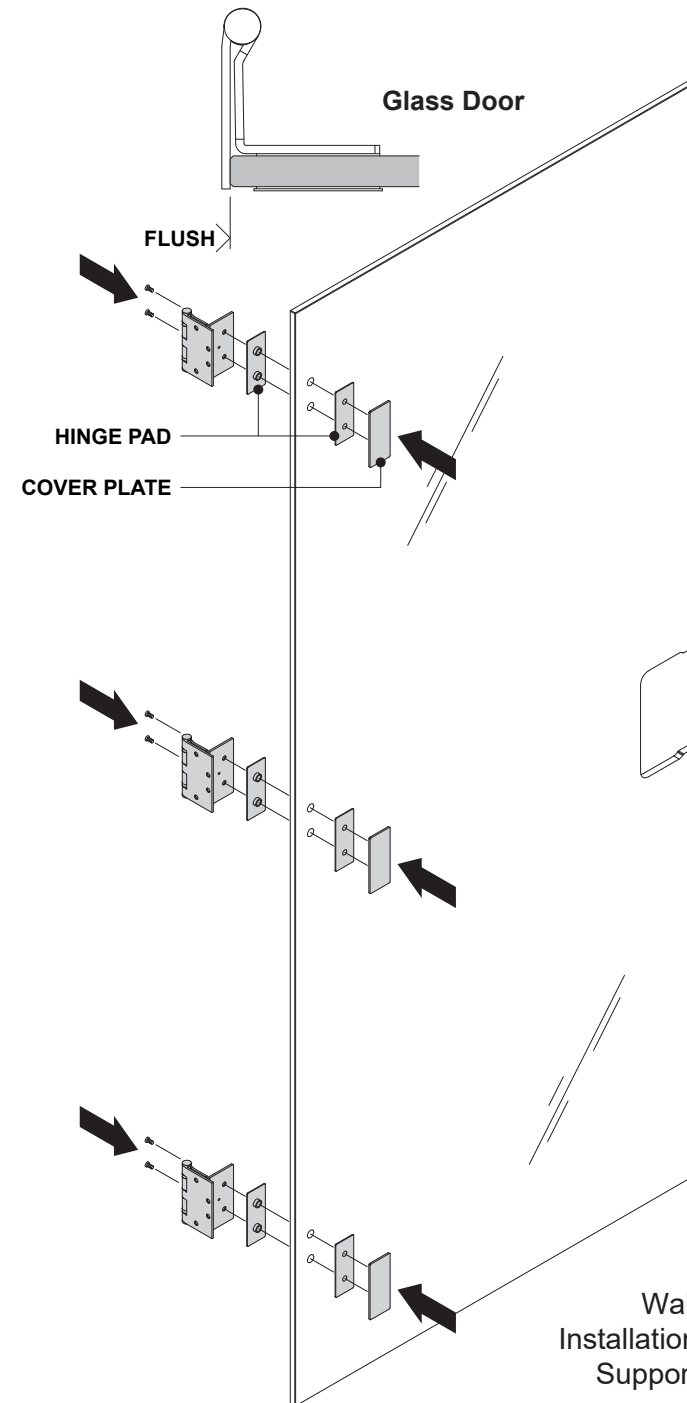
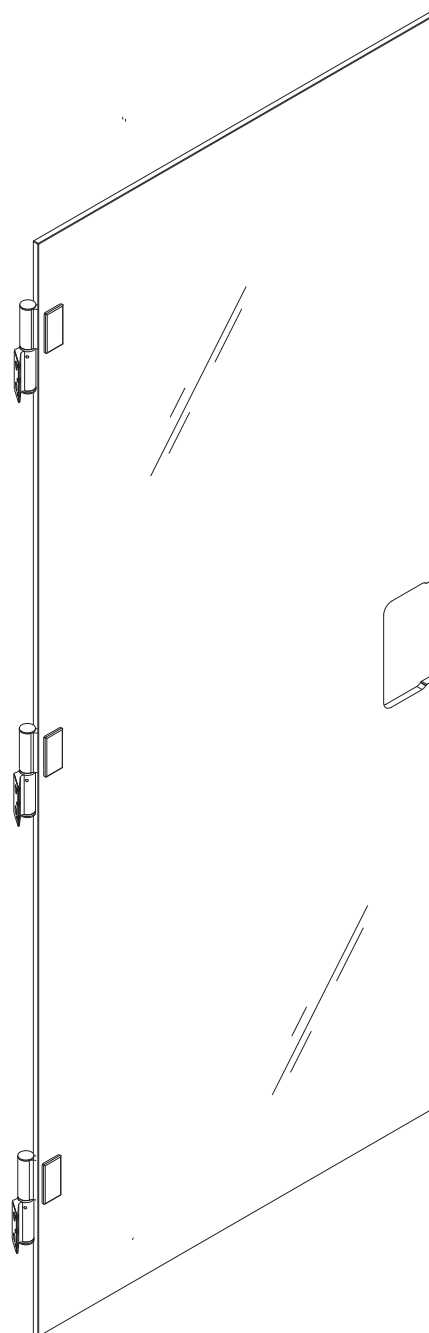
1. Install gaskets and cover plate.
2. Position hinge face flush to door edge.
3. Secure hinge assembly to glass door leaf.

Glass Door - Slim Line Hinges

For Slim Line Hinges, follow instructions included with the hinges.



IMPORTANT NOTE: When installing hinge screws to door frames, do not use impact drivers. Ensure all screws are threaded correctly, seated well, and securely tightened.



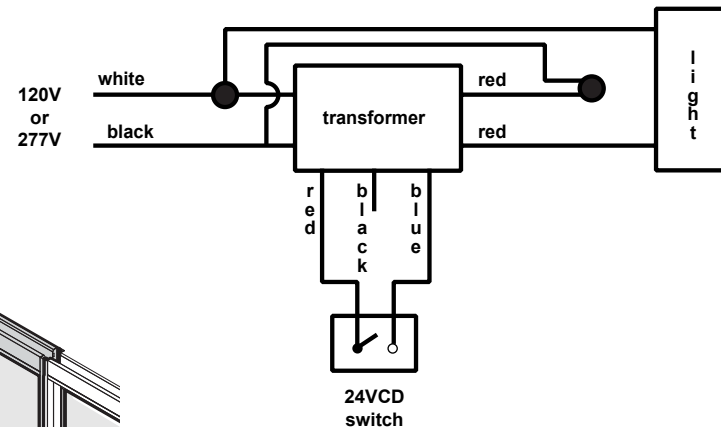
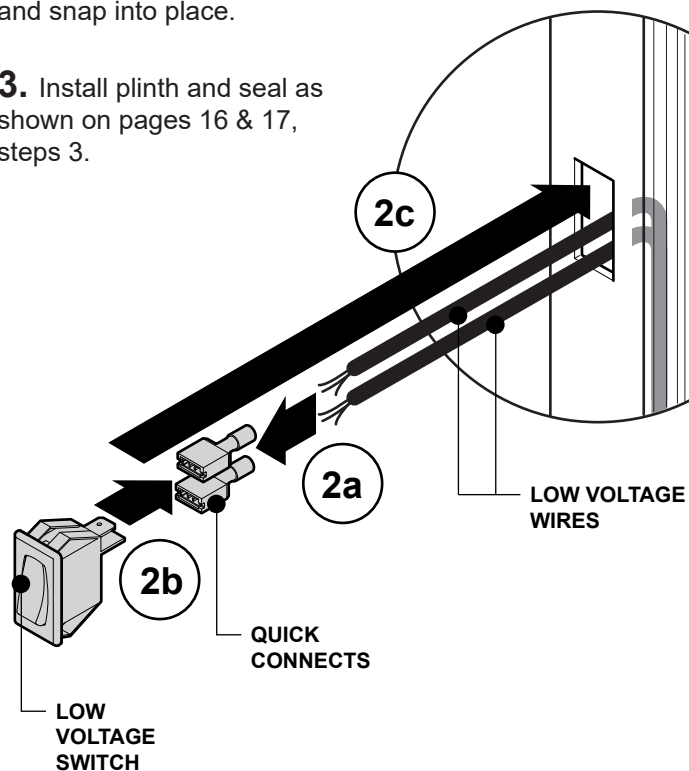
Wall
Installation
Support



WARNING: All electrical installations should be done by a qualified electrician in accordance with codes and regulations applicable at the installation site.

Low Voltage Switch Installation (optional)

1. Attach watt stopper to J-box (1a). Route low voltage wire up through bottom of frame or down from top of frame in full height scenarios only (1b).
2. Pull low voltage wire through opening and attach to quick connects (2a). Attach low voltage switch to quick connects (2b) and insert assembly into hole (2c) and snap into place.
3. Install plinth and seal as shown on pages 16 & 17, steps 3.



Mortise Lever Housing Preparation & Installation (Glass Door Only)

**NOTE: MORTISE HOUSING
PREPARATION 'ONLY' SUPPORTS
MORTISE LEVER WITH 2-3/4" BACKSET.**

1. Determine door handedness by facing the door, so that the door swings away from you. The side that the hinges are on defines the handing of the door.

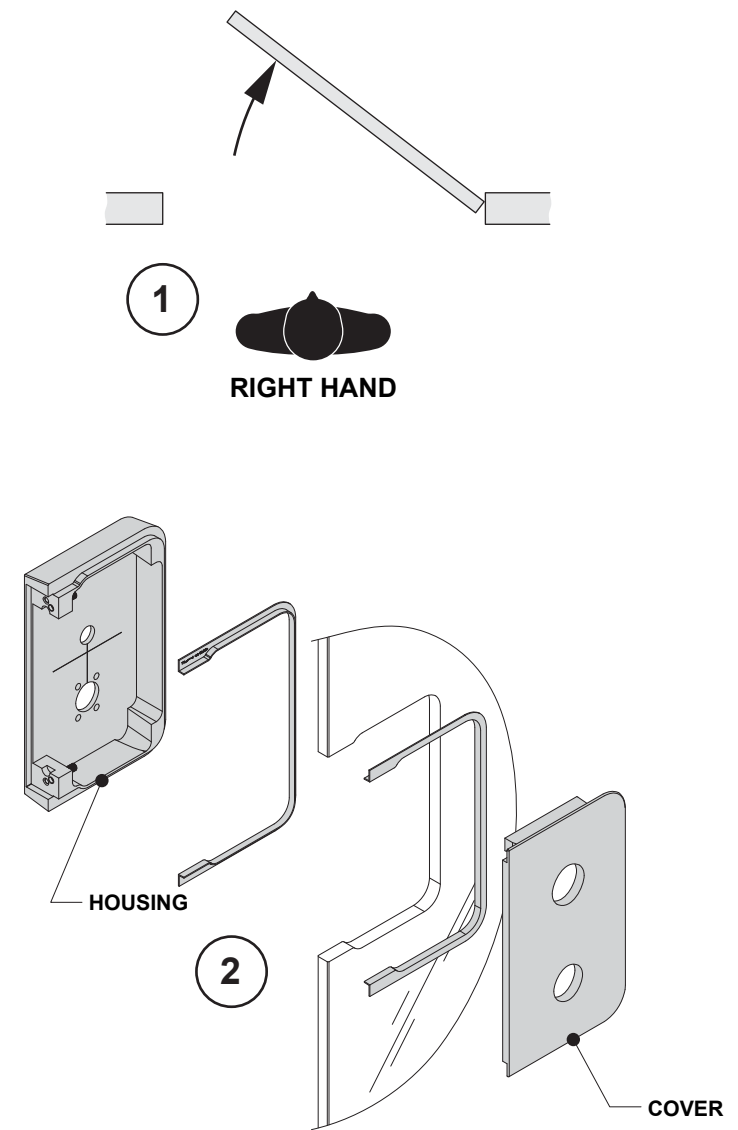
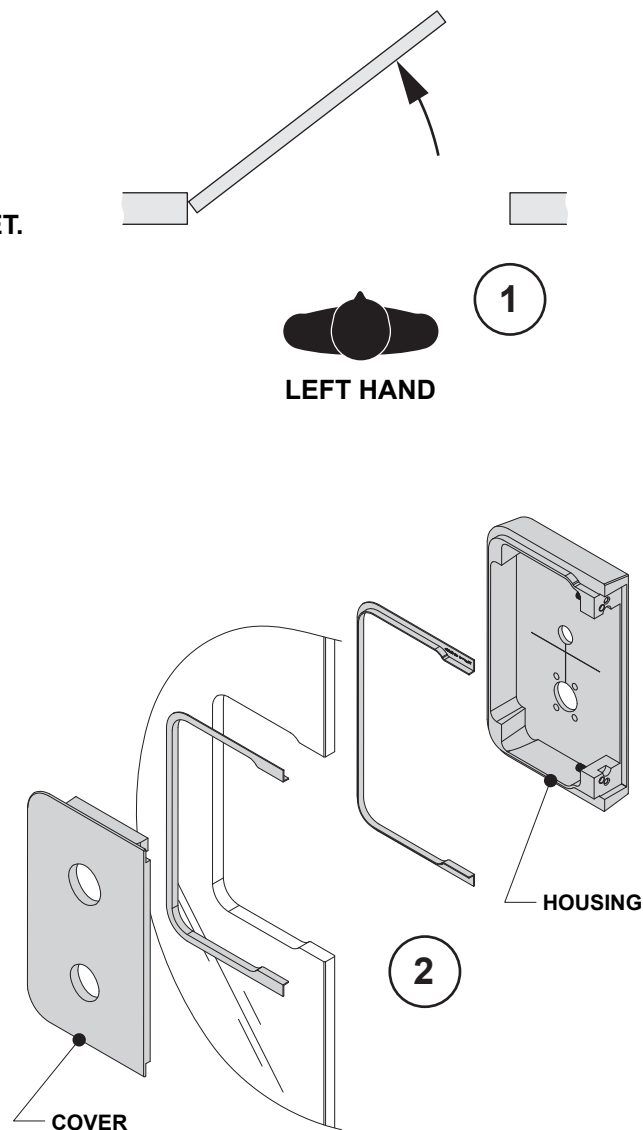
- LEFT HAND DOOR = Hinge located on the left side of the door frame.

- RIGHT HAND DOOR = Hinge located on the right side of the door frame.

2. Determine orientation of the housing and cover to support door handedness.

- Cover installs next to door stop side of the door frame.

- Housing installs on non-door stop side of the door frame.



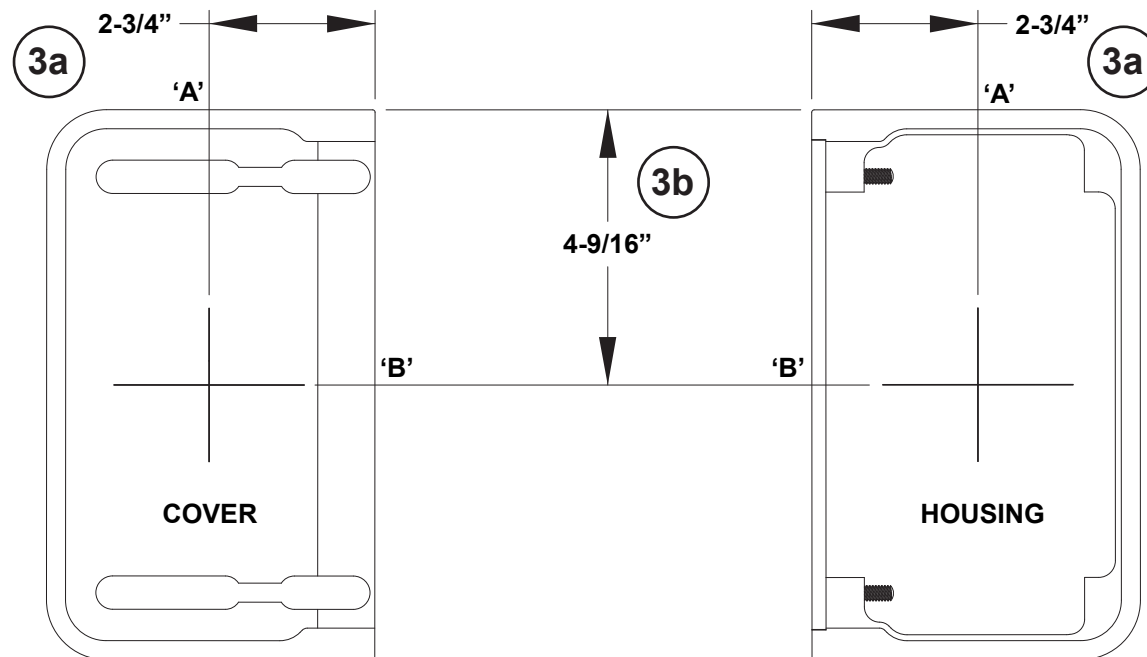
Mortise Lever Housing Preparation & Installation (Glass Door Only) (continued)

3. Mark one (1) vertical line 'A' at the 2-3/4" backset dimension (3a) and one (1) horizontal line 'B' at 4-9/16" on the inside of the cover and housing as shown (3b).

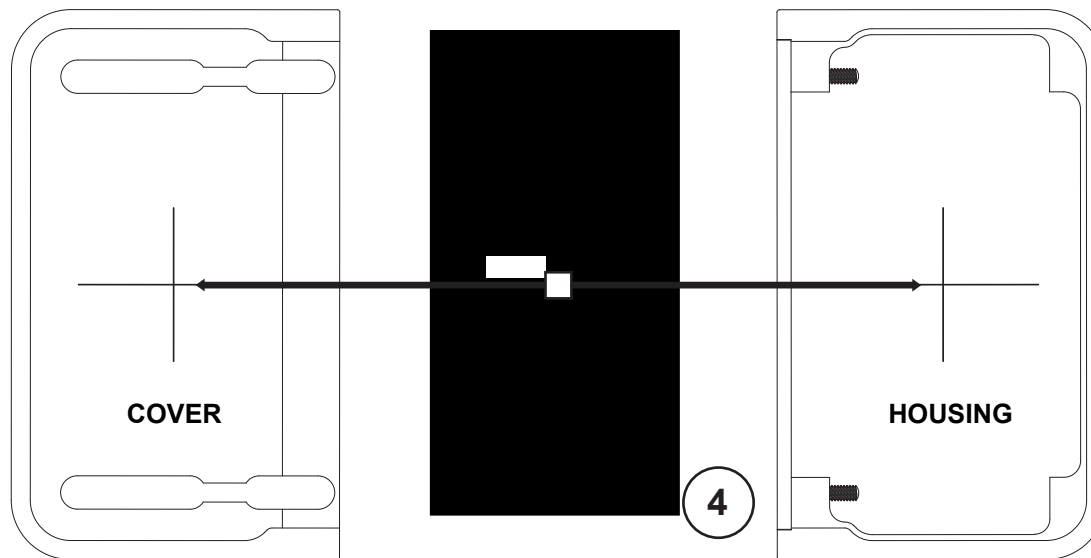
4. Align the hardware manufacturer's template to the marked lines.

- Centerline of the lever or knob aligns with the vertical line 'A'.
- Centerline of the lock body aligns with the horizontal line 'B'.

NOTE: Sargent lever preparation shown. Other manufacturer's templates and hardware may differ from that shown.



RIGHT HAND APPLICATION



Sargent Template

Wall
Installation
Support



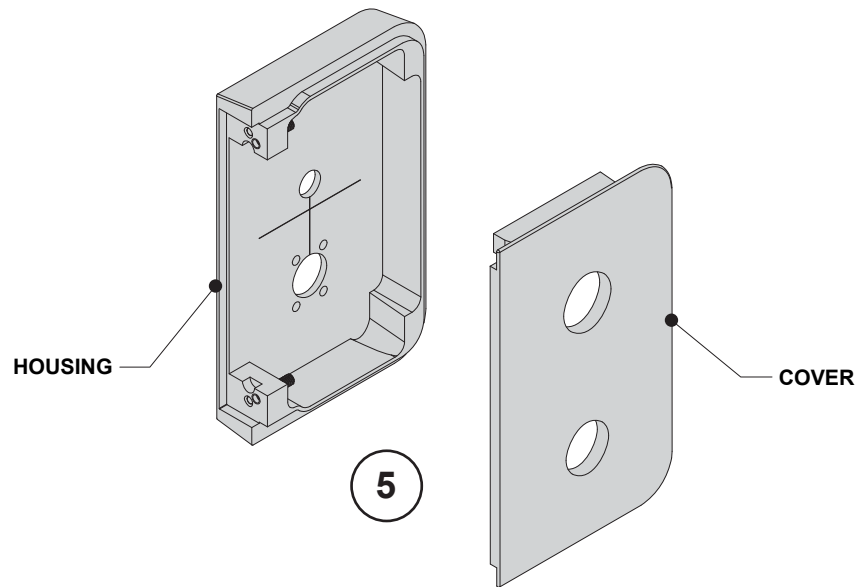
Mortise Lever Housing Preparation & Installation (Glass Door Only) (continued)

5. Determine which feature holes need to be drilled in the housing and cover. Mark all holes that apply, remove template. Drill all holes using the diameters shown on the template.

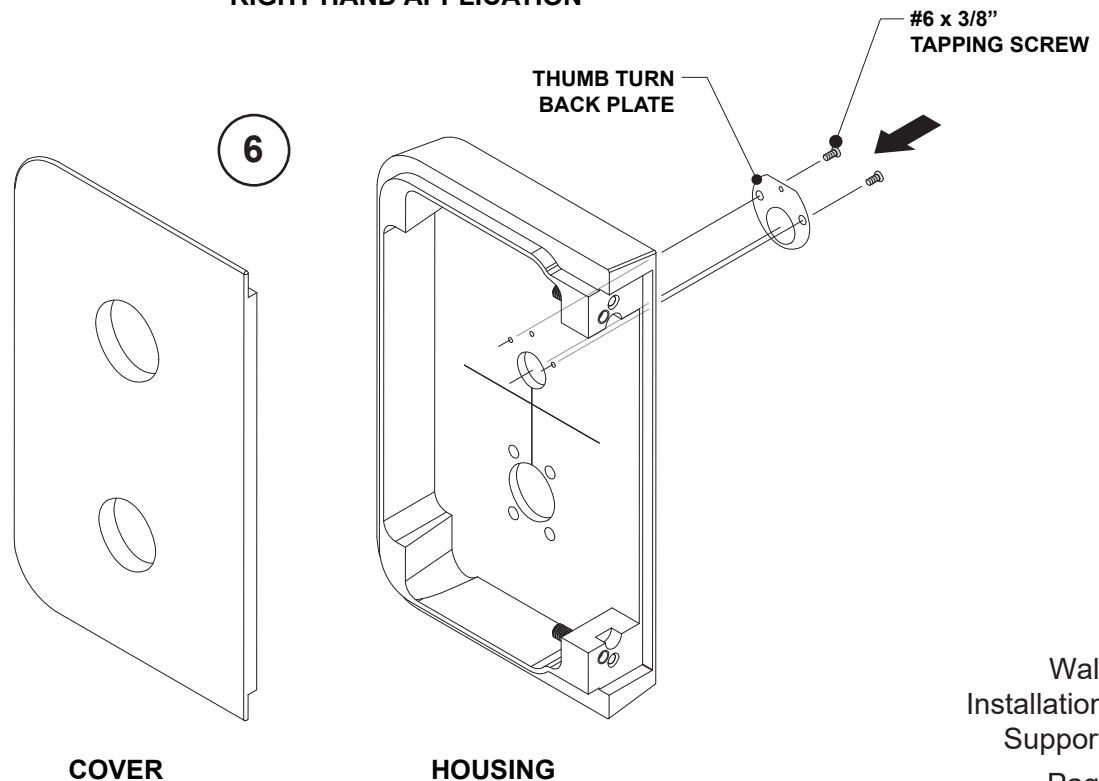
Note: RH door, the lock cylinder preparation typically resides in the cover or the door stop side.

6. Housing lock cylinder preparation only. Use the thumb turn back plate as a template to locate and mark three (3) attachment holes. Drill three (3) 1/8" diameter holes, secure back plate with two (2) #6 x 3/8" tapping screws.

NOTE: Sargent lever preparation shown. Other manufacturer's templates and hardware may differ from that shown.



RIGHT HAND APPLICATION

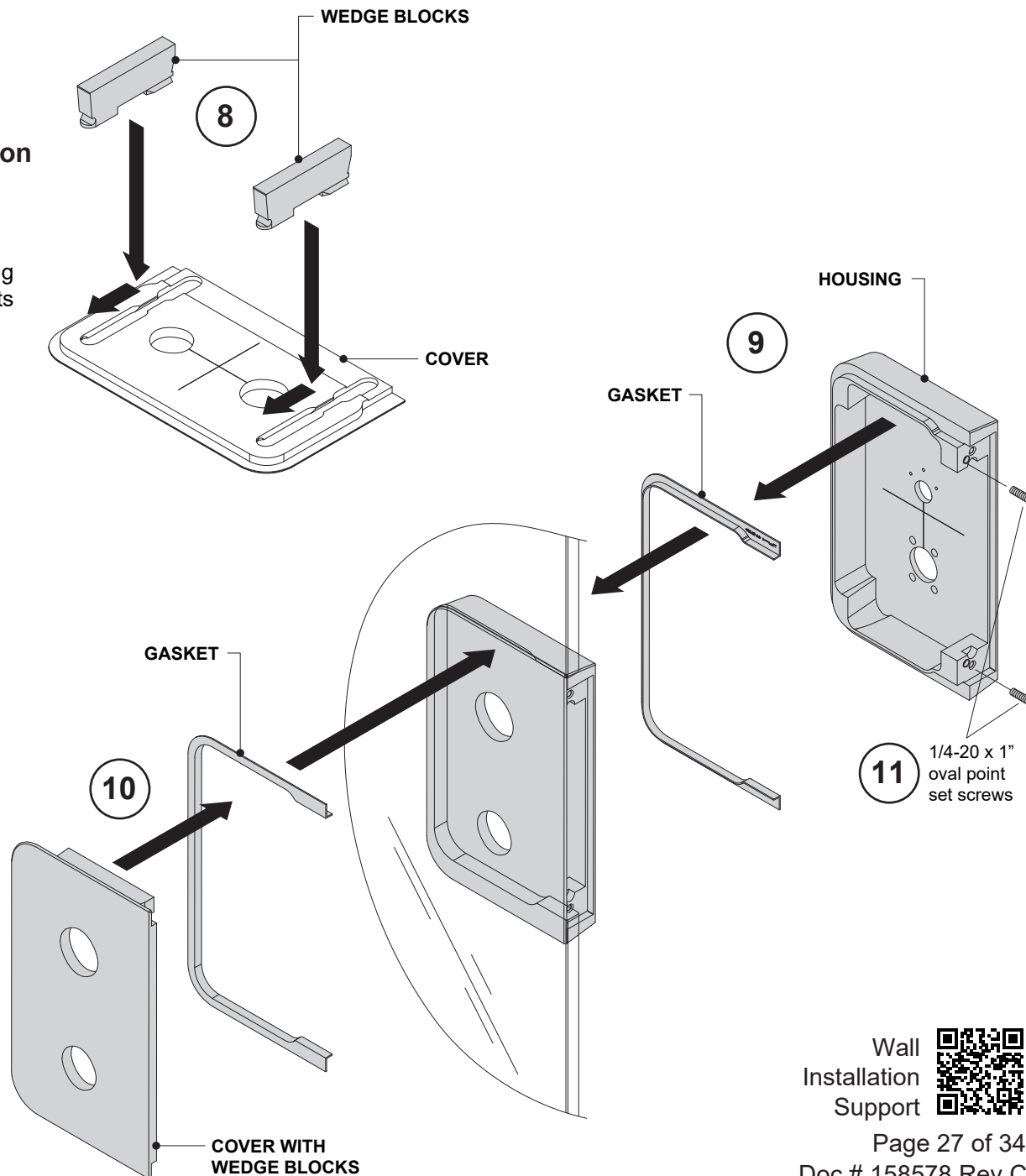


Mortise Lever Housing Preparation & Installation (Glass Door Only)

7. Determine the glass orientation for installing the housing and cover. The cover installs on the glass face that shuts against the the door frame acoustic seal.
8. Assemble wedge blocks to the cover, sliding forward to retain within routed channel.
9. Place gasket and housing flush to glass cutout, align housing flush to the glass edge.
10. Place gasket and cover (wedge blocks installed) flush to glass cutout with wedge blocks contacting housing on the opposite glass side, align cover flush to the glass edge.
11. Holding the housing and cover firm against the glass and flush to glass edge, secure to glass cutout with (2) two 1/4-20 **OVAL point set screws**.

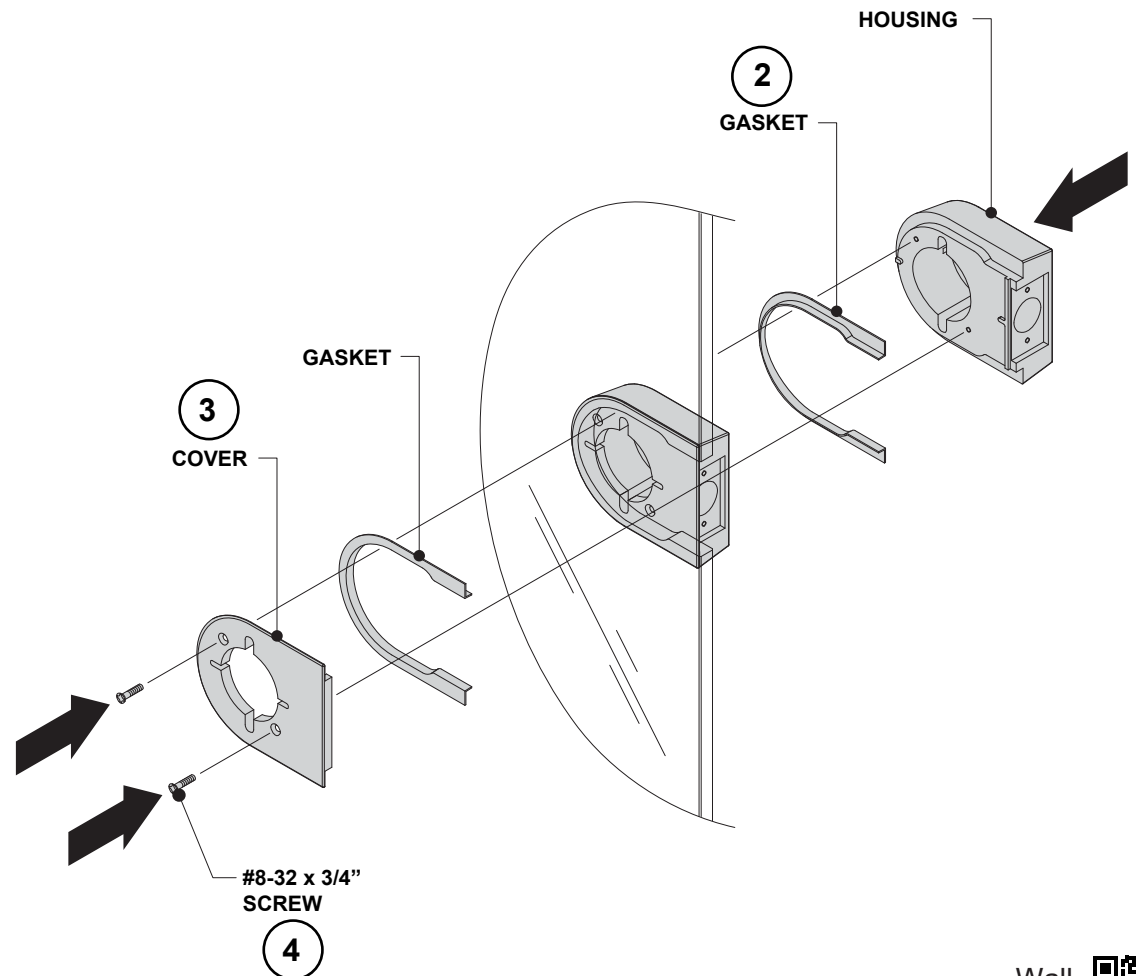
NOTE: It is important that **OVAL point set screws** be used to secure the cover and housing to the glass in order to avoid fit-up issues.

12. Install the **Mortise Lever Assembly** per the manufacturer's instructions.



Cylindrical Lever Housing Installation (Glass Door Only)

1. Determine the glass orientation for installing the housing and cover. The cover installs on the glass face that shuts against the door frame acoustic seal.
2. Place gasket and housing flush to glass cutout, align housing flush to the glass edge.
3. Place gasket and cover flush to glass cutout, align housing flush to the glass edge.
4. Holding the housing and cover firm against the glass and flush to glass edge, secure to glass cutout with (2) two #8-32 flat head screws.
5. Install the **Cylindrical Lever Assembly** per the manufacturer's instructions.



Roller Latch Installation (Glass Door Only)

1. Determine the glass orientation for installing the housing and cover. The cover installs on the glass face that shuts against the door frame acoustic seal.
2. Assemble wedge blocks to the cover, sliding forward to retain within routed channel.
3. Place gasket and housing flush to glass cutout, align housing flush to the glass edge.
4. Place gasket and cover (wedge blocks installed) flush to glass cutout with wedge blocks contacting housing on the opposite glass side, align cover flush to the glass edge.
5. Holding the housing and cover firm against the glass and flush to glass edge, secure to glass cutout with (2) two 1/4-20 **OVAL point set screws**.

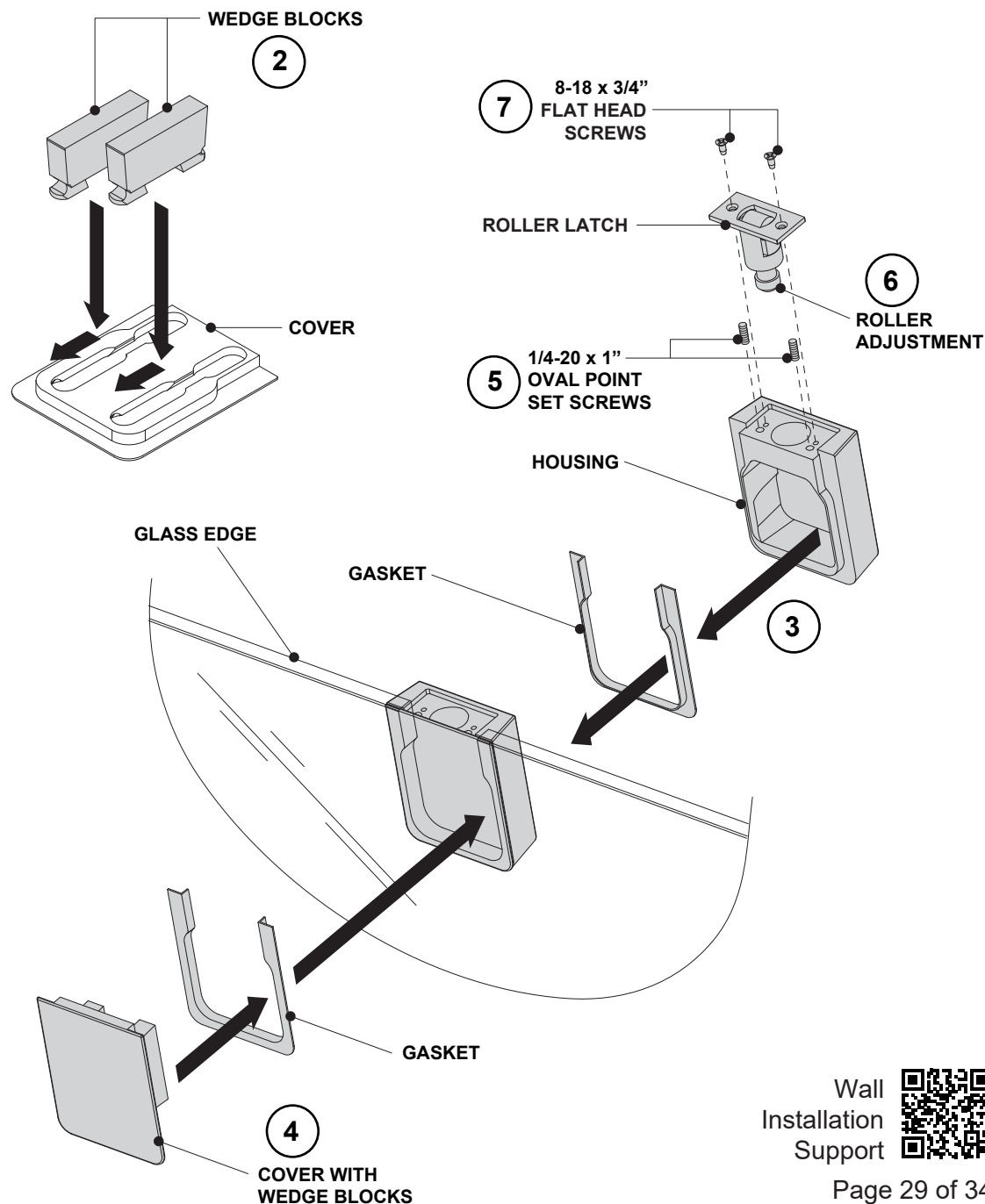
NOTE: It is important that **OVAL point set screws** be used to secure the cover and housing to the glass in order to avoid fit-up issues.

6. With the cover and housing secured to the glass, loosely (no screws) install the roller latch assembly into the housing, adjust the roller adjustment (knurled knob) to get the desired roller-to-strike plate engagement while opening/closing the door.

NOTE: The roller latch assembly consists of a spring loaded roller adjustment for varying the amount of roller engagement to the strike plate.

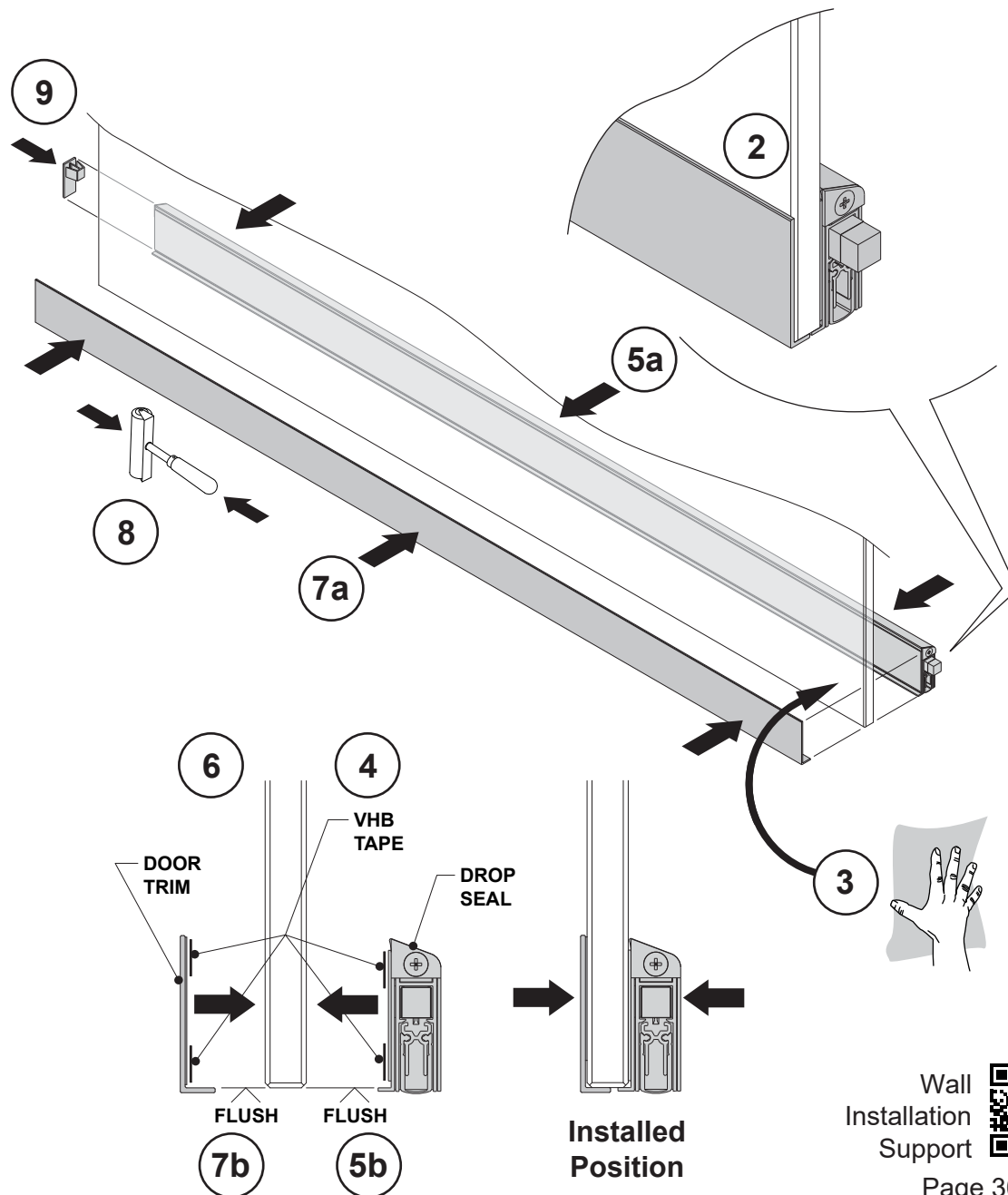
Apply Loctite 222 threadlocker to the roller adjustment thread to prevent movement during operation.

7. Secure the roller latch assembly to the housing with two (2) #8-18 flat head screws.



Glass Door Drop Seal Installation

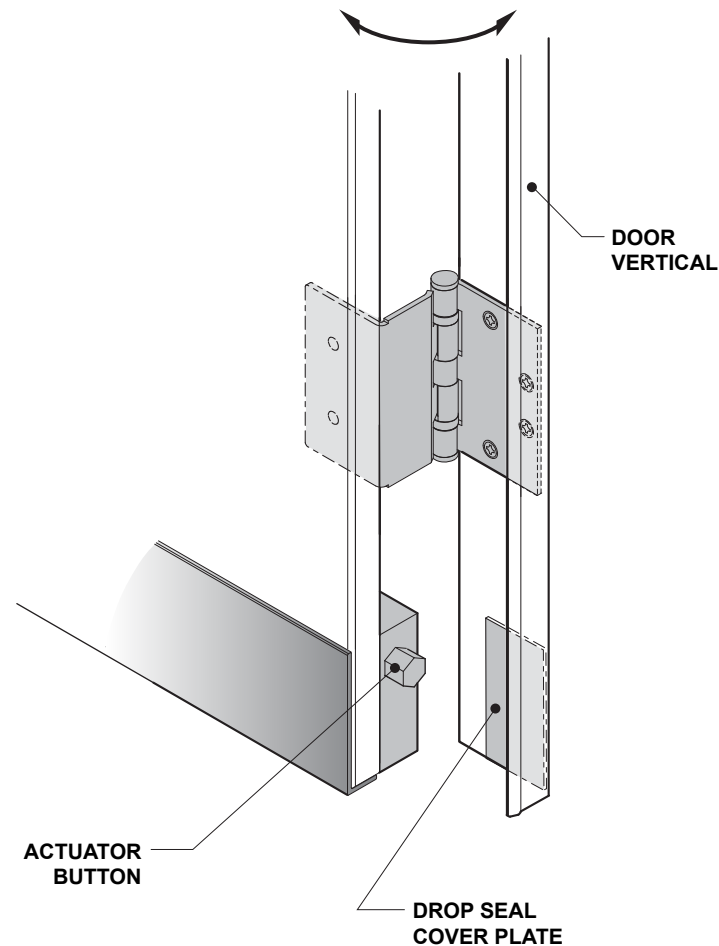
- 1.** Activate drop seal to make sure that it works properly before installing it. Trim rubber seal to maximize its length without interfering with cover.
- 2.** Determine direction the door opens. The drop seal assembly may need to be disassembled and flipped and reassembled to ensure the drop seal activation button will contact the leading edge strike while on the side of the door opposite of the door frame.
- 3.** Clean glass mounting surface with Isopropyl alcohol (both sides) where drop seal and door trim are to be applied.
- 4.** Remove tape adhesive liner from drop seal.
- 5.** Apply drop seal (adhesive side) visually centered over the door width (5a) and flush to the bottom edge of glass door (5b).
- 6.** Remove tape adhesive liner on door trim.
- 7.** Apply door trim visually centered over door width (7a) with 90 degree flange flush to underside of glass door (7b).
- 8.** Secure the drop seal and door trim top the glass door by applying a roller and clamping pressure across the face of each part to ensure good adhesive bond to the glass.
- 9.** Install cover.



Drop Seal Cover Plate Installation

The drop seal cover plate is used with the drop seal (solid and glass) to provide a bearing surface for the drop seal activation button.

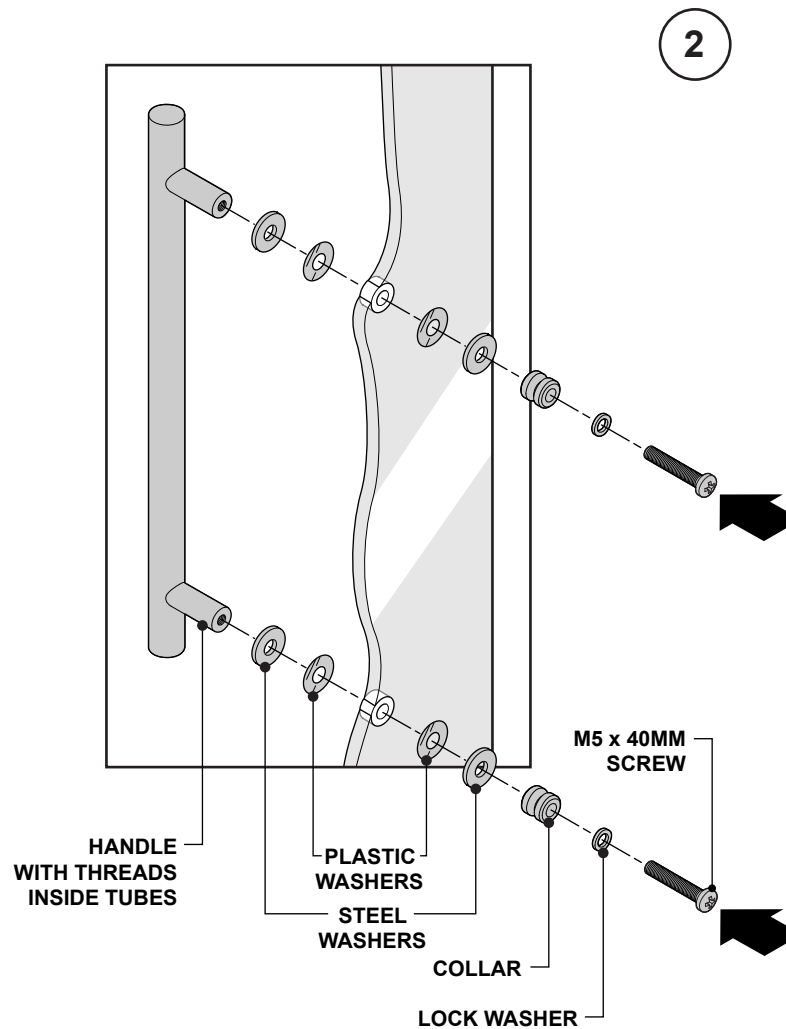
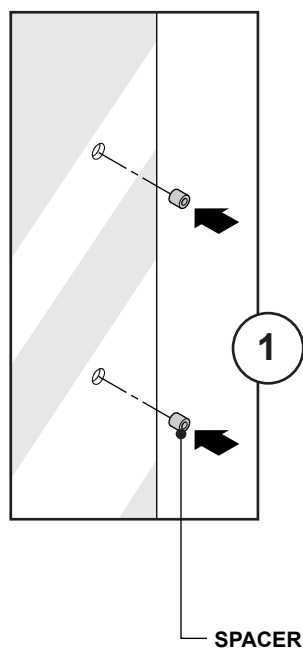
1. The drop seal cover plate is located on the hinge side vertical cover, opposite the drop seal activation button.
2. Remove 3M VHB adhesive liner from 3M tape.
3. Apply drop seal cover plate to bottom of hinge side vertical cover, flush to vertical door stop feature and flush to floor.



Push-Pull Handle Installation

1. Place the two (2) spacers into the holes on the glass door.

2. Install the plastic washers, steel washers and bolts onto the handle that has the threads inside the tubes as shown.

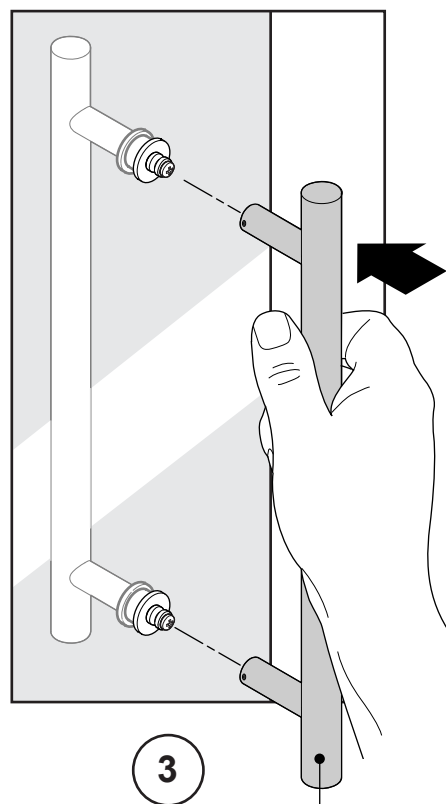


Push-Pull Handle Installation (continued)

3. Place the handle with the clearance holes inside the tubes over the bolts.

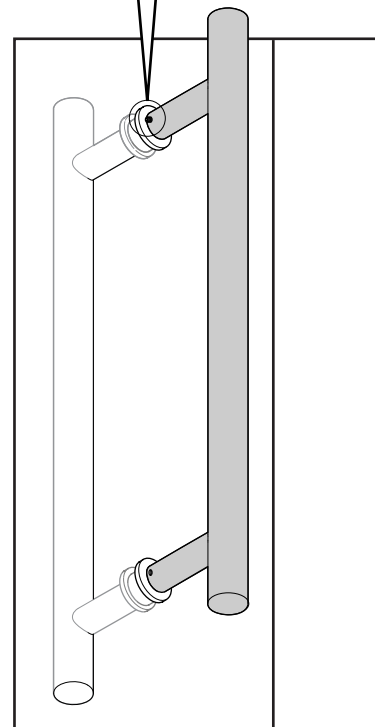
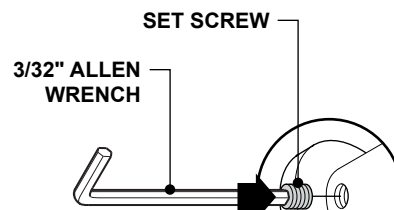
4. Install the set screws on the upper (4a) and lower (4b) portion of the handle using Loctite 222.

Apply Loctite 222 threadlocker to the set screw thread to prevent movement during operation.

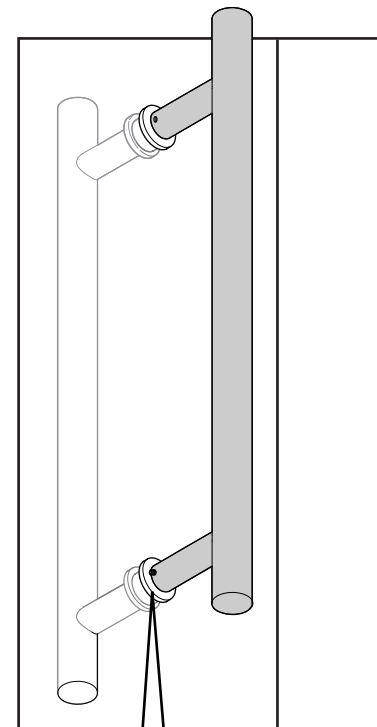


3

HANDLE
WITH CLEARANCE
HOLE INSIDE TUBES



4a



4b

Wall
Installation
Support



Ladder Pull Handle Installation

Configurations:

- Locking and non-locking aligned
- Locking and non-locking offset

1a. Place two (2) plastic bushings into the respective mounting holes:

	Bushing Outside Diameter	
	A	B
Aligned -	18mm	12mm
Aligned Locking -	no bushing	12mm
Offset -	18mm	12mm
Offset Locking -	no bushing	12mm

1b. Complete the handle installation per manufacture’s instructions.

Installation Dust Floor Socket
“Locking Option” Only:

2. Reference manufacture’s instructions.

