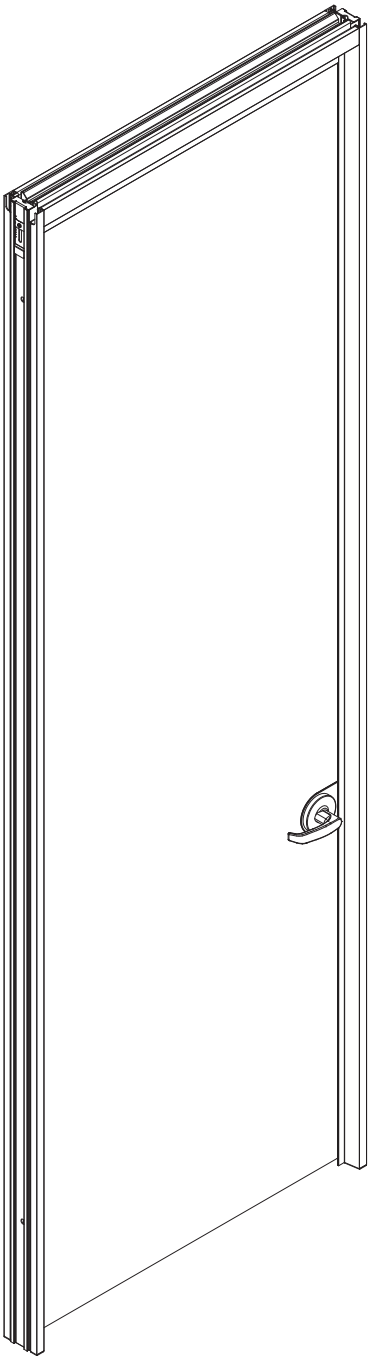


Non-Seismic Applications*

* The building's Engineer of Record must be consulted to determine if there are any seismic requirements.



CAUTION



CRUSH HAZARD!
FAILURE TO PROPERLY
SECURE EVERWALL TO
THE BUILDING COULD RESULT
IN PERSONAL INJURY.

Read the entire Assembly Directions before beginning installation.

Building construction varies greatly. The Building's Engineer of Record is responsible for the design of building floors, ceilings and walls which Everwall attaches to and must verify the adequacy of the mounting solutions, even if provided by Steelcase.

The building owner or designated agent is responsible for verifying that the installation is in compliance with all local codes and regulations.

By Steelcase Inc. Grand Rapids, MI 49501-1967
www.steelcase.com/patents

Model: NEFK
Ship Date: 08/30/13 Athens
Order No.: 05117553-002300
Barcode: 1PM5P8421
Assembled By: F529600
Finishes **4242**

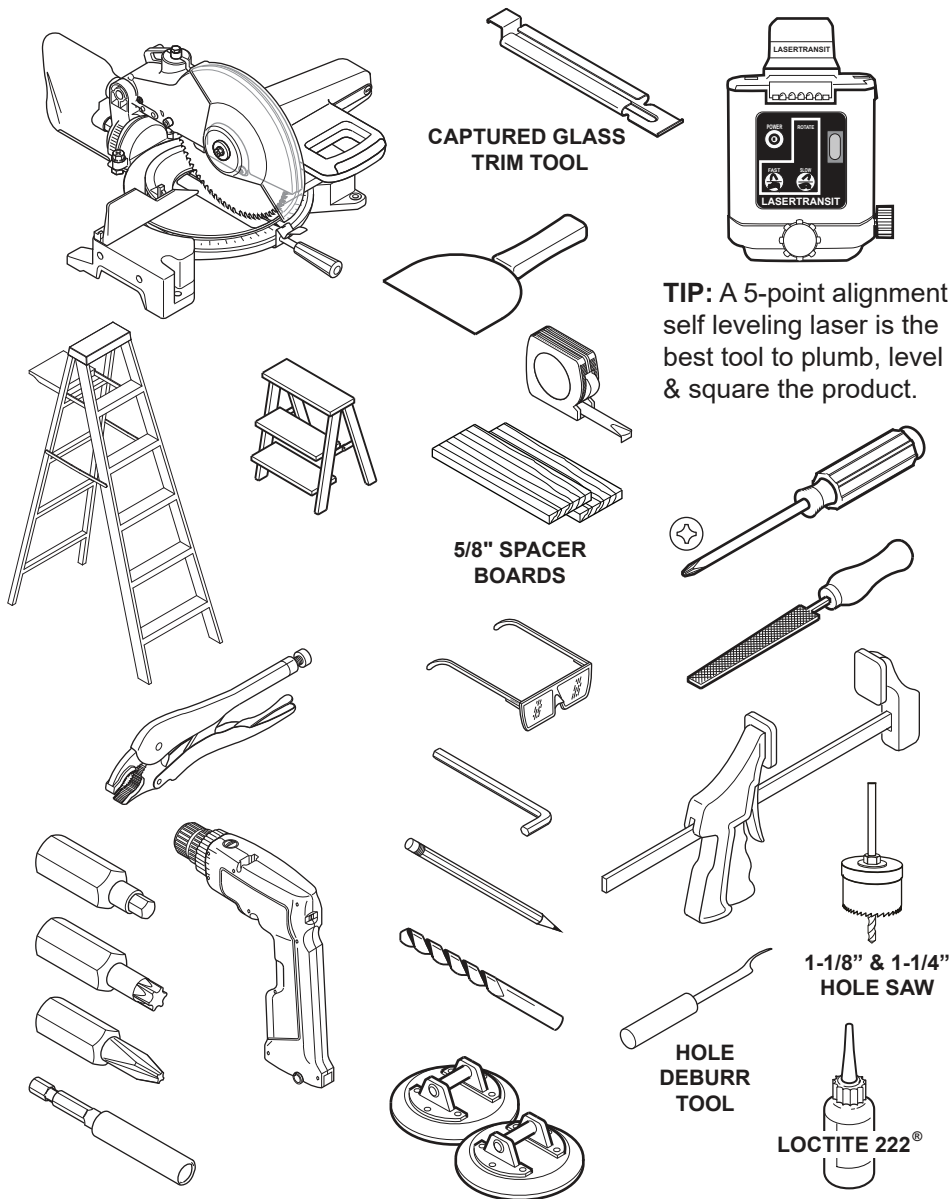
Def Code:

S5DAF

PH: 21.717 MH: 21.481
PW: 6.000 MW: 5.764

NOTE: Products have specific locations within the floor layout. These products will be identified with an Installation Reference Identification Label (IRID), which will indicate the location of the product within the floor plan layout. Detailed information can be found on the label including style/model number, finish, Plan dimensions, Measured dimensions etc....

Tools

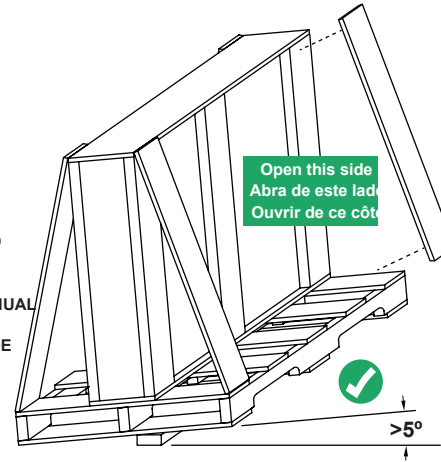


Page	Topic
4	Door frame and frame hardware components
6	Hardware Options
7	Door leaf options
8-21	Swing door frame general assembly sequence
22-24	Mounting hinges to leaf & installing to frame
25	Cylindrical latch set housing
25-28	Mortise latch set housing
29-31	Pulls
32-36	Drop seals
37-38	Solid door closer
39-41	Roller latch housing
42-44	Electric strike
45	Lite Scale applications
46-47	Short ceiling track applications
48	Electric hinge applications

⚠ WARNING ⚠ ADVERTENCIA ⚠ AVERTISSEMENT



READ DIRECTIONS AND
MANUAL FIRST
LEA PRIMERO LAS
INSTRUCCIONES Y EL MANUAL
LISEZ D'ABORD LES
DIRECTIVES ET LE GUIDE



RISK OF SERIOUS INJURY
RIESGO DE LESIONES GRAVES
RISQUE DE GRAVES BLESSURES!

Safety Instructions Instrucciones de Seguridad Consignes de Sécurité

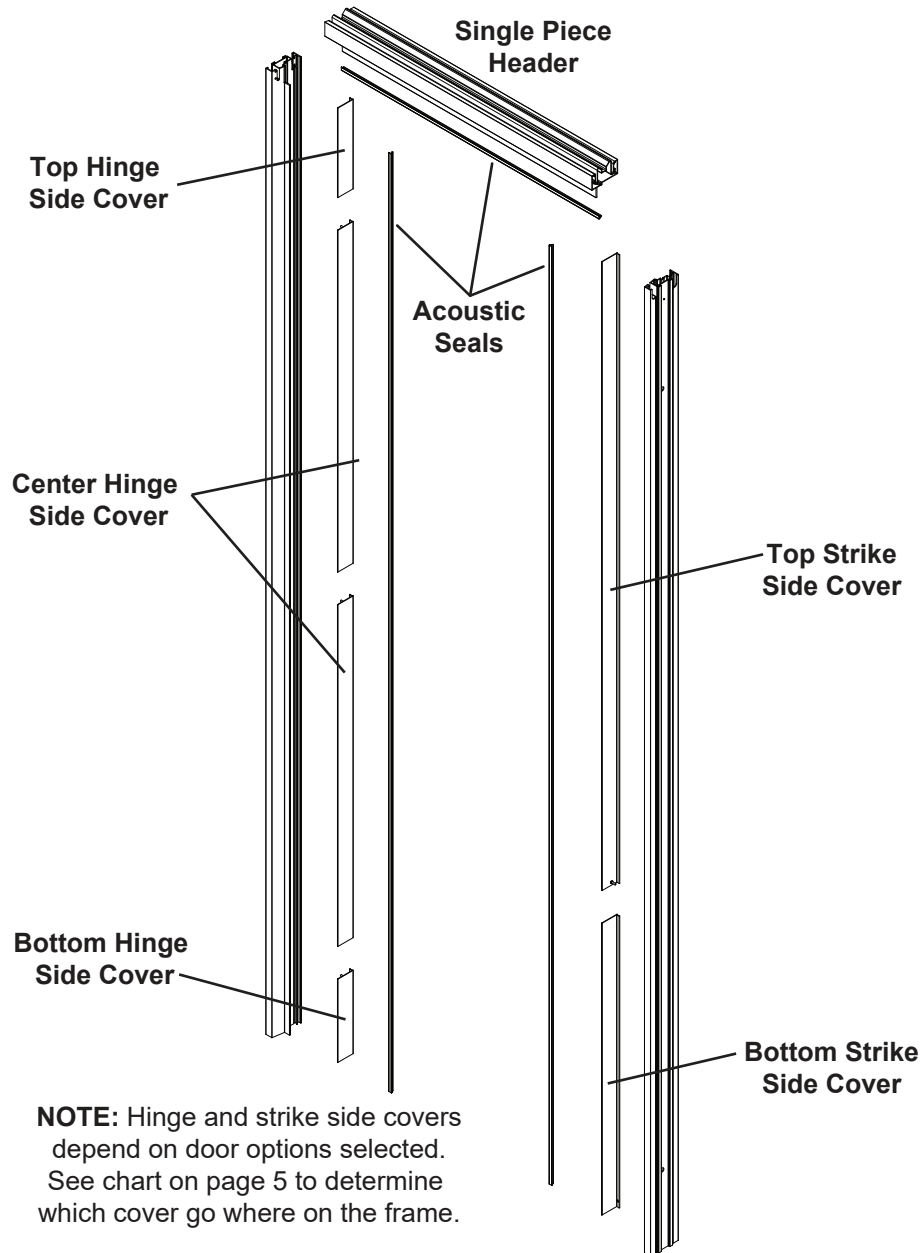


- Before opening, ensure crate is stable and tilted at least 5 degrees to prevent glass from falling out.
- To open, cut any bands first and pry off boards on front of crate.
- Before removing glass, check crate and remove protruding nails or screws that could scratch glass.
- Wear appropriate personal protective equipment (safety glasses, gloves, safety shoes and skin protection).
- Tempered Glass is very heavy and can shatter while handling. Use two or more people to handle glass.
- Handle carefully. A scratched surface, damaged surface, or edge impact can cause the glass to shatter suddenly into sharp pieces.

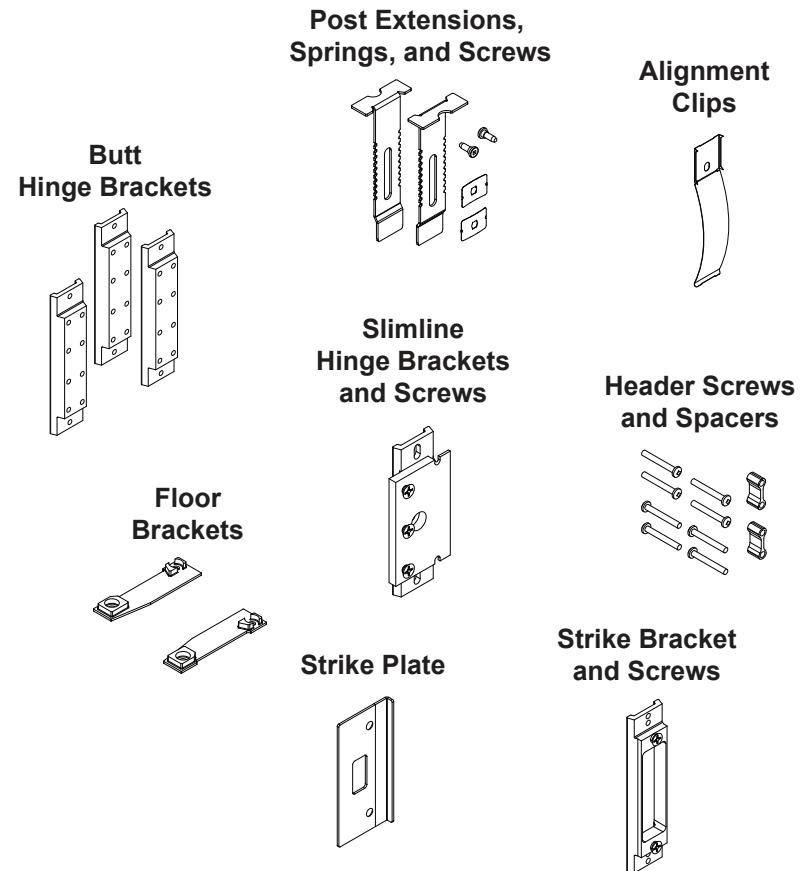
- Antes de abrir, asegúrese de que la caja esté estable e inclinada al menos por 5 grados para evitar que el vidrio se salga de la caja.
- Para abrir, corte primero las bandas de embalaje y luego separe las tablas del frente de la caja.
- Antes de retirar el vidrio, chequee la caja y quite los clavos o tornillos salientes que puedan rayar el vidrio.
- Use el equipo apropiado de protección personal (gafas de seguridad, guantes, zapatos de seguridad y protección para la piel).
- El vidrio templado es muy pesado y se puede romper durante su manipulación. Use dos o más personas para manipular el vidrio.
- Manéjelo con cuidado. Una superficie rayada o dañada, o el impacto sobre el borde pueden causar que el vidrio se rompa de repente en trozos afilados.

- Avant d'ouvrir, assurez-vous que la caisse à claire-voie est stable et inclinée d'au moins 5 degrés pour éviter que la vitre bascule hors de la caisse.
- Pour ouvrir, coupez d'abord les bandes d'emballage, puis écarter les bords sur le devant de la caisse.
- Avant de retirer la vitre, vérifiez la caisse et enlevez les clous ou les vis qui pourraient dépasser et qui pourraient égratigner la vitre.
- Portez de l'équipement de protection individuelle approprié (lunettes de sécurité, gants, chaussures de sécurité et vêtements de protection).
- Le verre trempé est très lourd et peut se briser en éclats lorsqu'on le manipule. Au moins deux personnes sont nécessaires pour manipuler la vitre.
- Manipulez avec soin. Une surface égratignée ou endommagée ou encore un choc sur le rebord peut faire en sorte que le verre se brise soudainement en éclats tranchants.

Typical Door Frame Components



Typical Door Frame Hardware Assembly Components



NOTE: Strike plate, strike, and hinge brackets depend on door options selected.

NOTE: Strike Bracket and Slimline Hinge Brackets have #12-24 x 3/8" screws assembled to ensure installer uses correct screws.

NOTE: Butt Hinge Brackets will use #12-24 x 1/2" screws that are supplied with Butt Hinges

The covers supplied with the door frame will have a small label like the one shown. The assembly location abbreviation indicates where the cover goes on the frame (see page 4). To determine the orientation (handedness) of the door, see page 8.

P# 138317710X

AL H CNTR



AD im 73.777

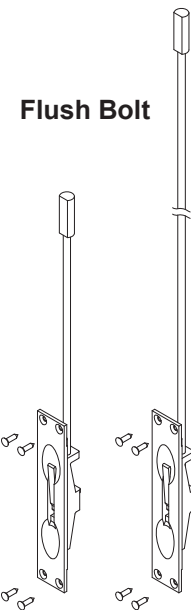
B# 4001

09876543-00210

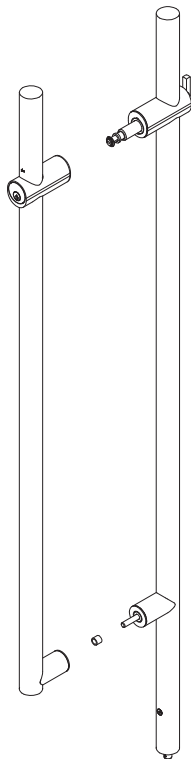
PART NUMBER	DESCRIPTION	ABBREVIATED ASSEMBLY LOCATION	SUPPLIED WITH THIS OPTION
1383177003	COVER - STRIKE BOTTOM, CYL, SWOR	SBTM	CYLINDRICAL LATCH
1383177004	COVER - STRIKE TOP, BUTT, SWOR	S TOP	CYLINDRICAL AND MORTISE LATCH
1383177005	COVER - HINGE BOTTOM, BUTT, SWOR	HBTM	BUTT HINGE SOLID OR POLISHED EDGE GLASS
1383177007	COVER - HINGE TOP, BUTT, SWOR	H TOP	BUTT HINGE SOLID OR POLISHED EDGE GLASS
1383177008	COVER- STRIKE FULL LENGTH, SWOR	S FULL	ROLLER LATCH, LADDER PULLS
1383177009	COVER - HINGE BOTTOM, SLIM, SWOR	HBTM	SLIMLINE HINGE
1383177011	COVER - HINGE TOP, SLIM, SWOR	H TOP	SLIMLINE HINGE
1383177012	COVER - STRIKE BOTTOM, MORT, SWOR	SBTM	MORTISE LAT CH
138317706X	COVER - HINGE CENTER, BUTT, SWOR	H CNTR	BUTT HINGE SOLID OR POLISHED EDGE GLASS
138317710X	COVER - HINGE CENTER, SLIM, SWOR	H CNTR	SLIMLINE HINGE
138317713X	COVER - HINGE CENTER, BUTT, LS	HCNTR	LITE SCALE BUTT HINGE SOLID OR POLISHED EDGE GLASS
138317714X	COVER - HINGE CENTER, SLIM, LS	HCNTR	LITE SCALE SLIMLINE HINGE

Hardware Options

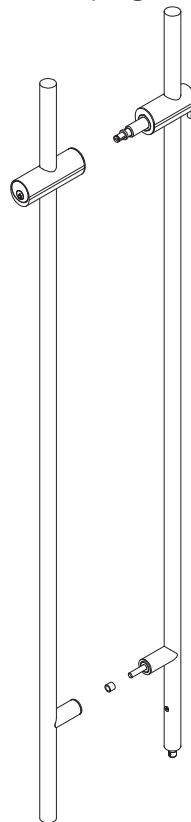
Refer to the directions that are within the box for each particular product assembly.



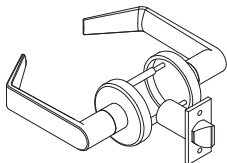
**Ladder-Pull
Handle (Offset)**



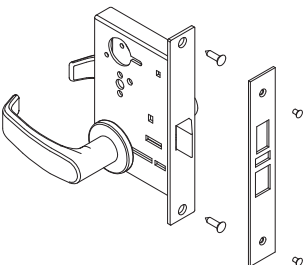
**Ladder-Pull
Handle (Aligned)**



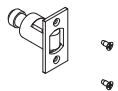
Cylindrical Lever Set



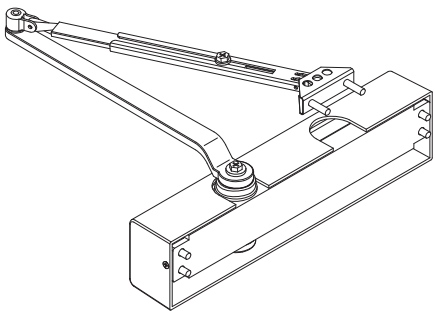
Mortise Lever Set



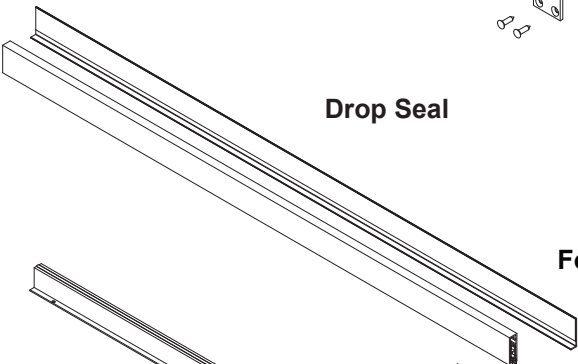
Roller Latch



Door Closer

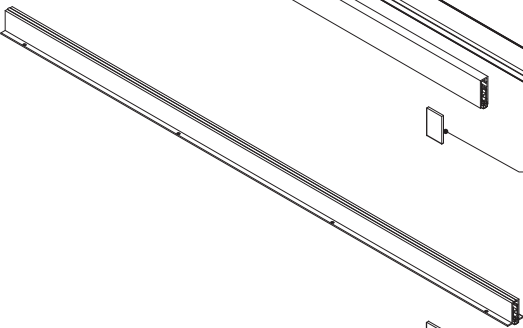


Drop Seal



For Glass Door

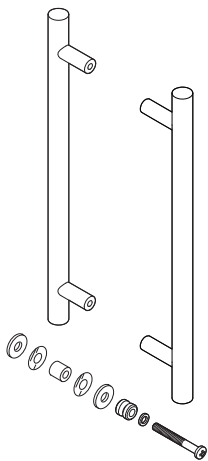
**DROP SEAL
COVER PLATE**



For Solid Door

**DROP SEAL
COVER PLATE**

Push-Pull Handle



Solid Door Options



Mortise Lever Assembly

Add per hardware requirements

Cylindrical Lever Assembly

Push-Pull Handle and Door Closer

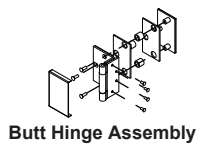
Push-Pull Handle and Roller Latch

Ladder-Pull Handle

Ladder-Pull Handle and Roller Latch

Flush Bolt

Glass Door Options



Mortise Lever Assembly

Cylindrical Lever Assembly

Push-Pull Handle and Door Closer

Push-Pull Handle and Roller Latch

Ladder-Pull Handle

Ladder-Pull Handle and Roller Latch



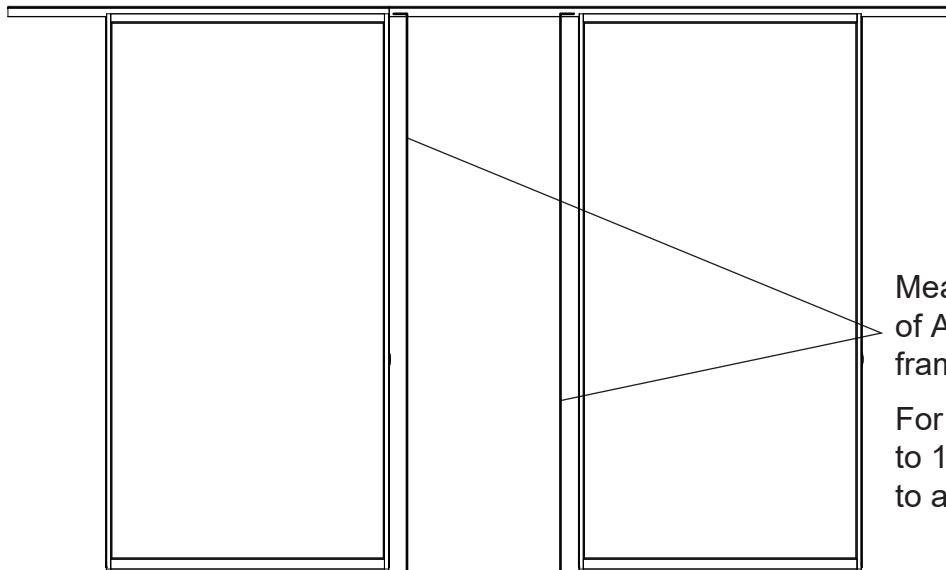
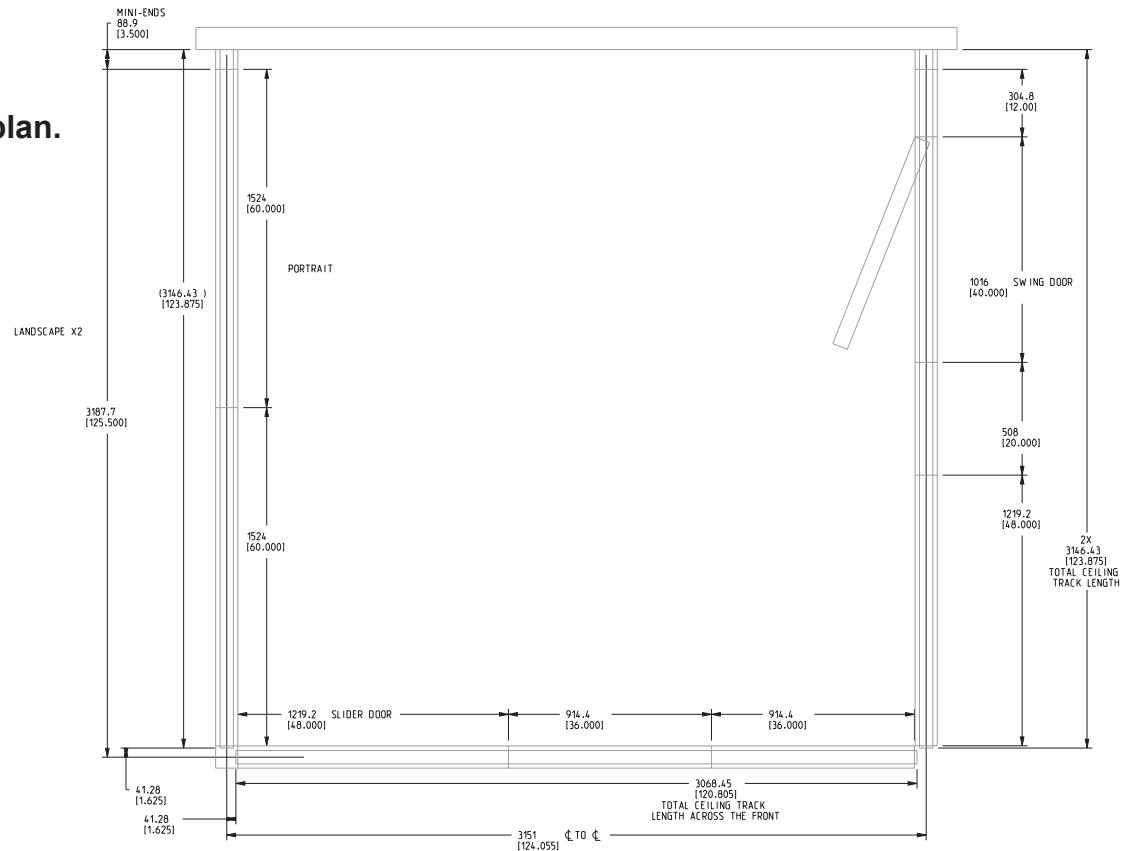
Determine door location and orientation from floor plan.

Determine door frame height reference at that location and use the dimensions to mark and cut the verticals.

With the adjacent panels plumb, level and square, measure the height of each vertical location from the floor to a laser line from the top of the adjacent skin or glass panel top.

**** Subtract 1/8" from the measurements to allow for the floor brackets.**

Use these measurements to cut the verticals to length as described on page 9.



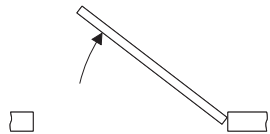
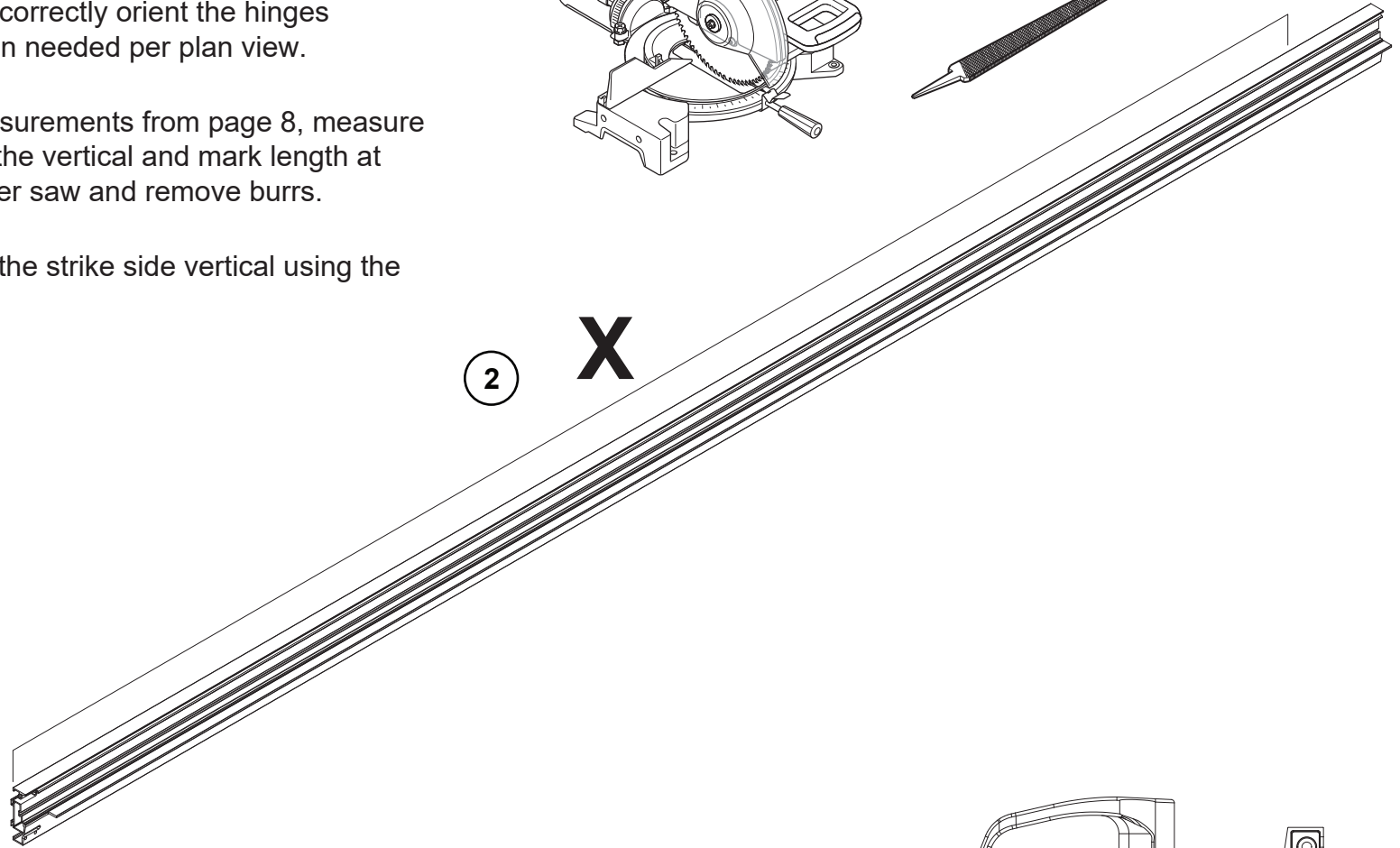
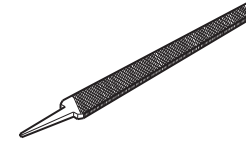
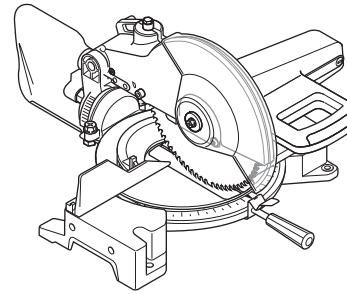
Measure from floor to top of Adjacent skin or glass frame at both verticals.

For Lite Scale Swing Doors application Measure from the floor to 11/16 below the ceiling. Subtract 1/8 from the measurements to allow for floor bracket. Refer to page 44.

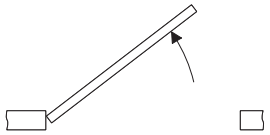
1. Determine the handedness of door verticals.
The two verticals are opposites of each other.
Select the vertical that will correctly orient the hinges to the given door orientation needed per plan view.

2. Use the hinge side measurements from page 8, measure from the machined end of the vertical and mark length at the other end. Cut with miter saw and remove burrs.

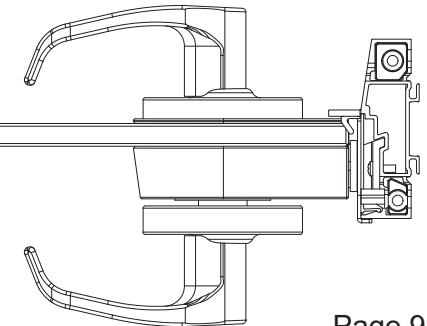
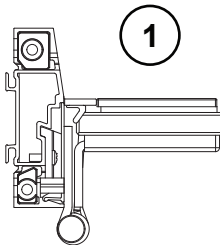
3. Repeat these step with the strike side vertical using the strike side measurement.



Right-hand



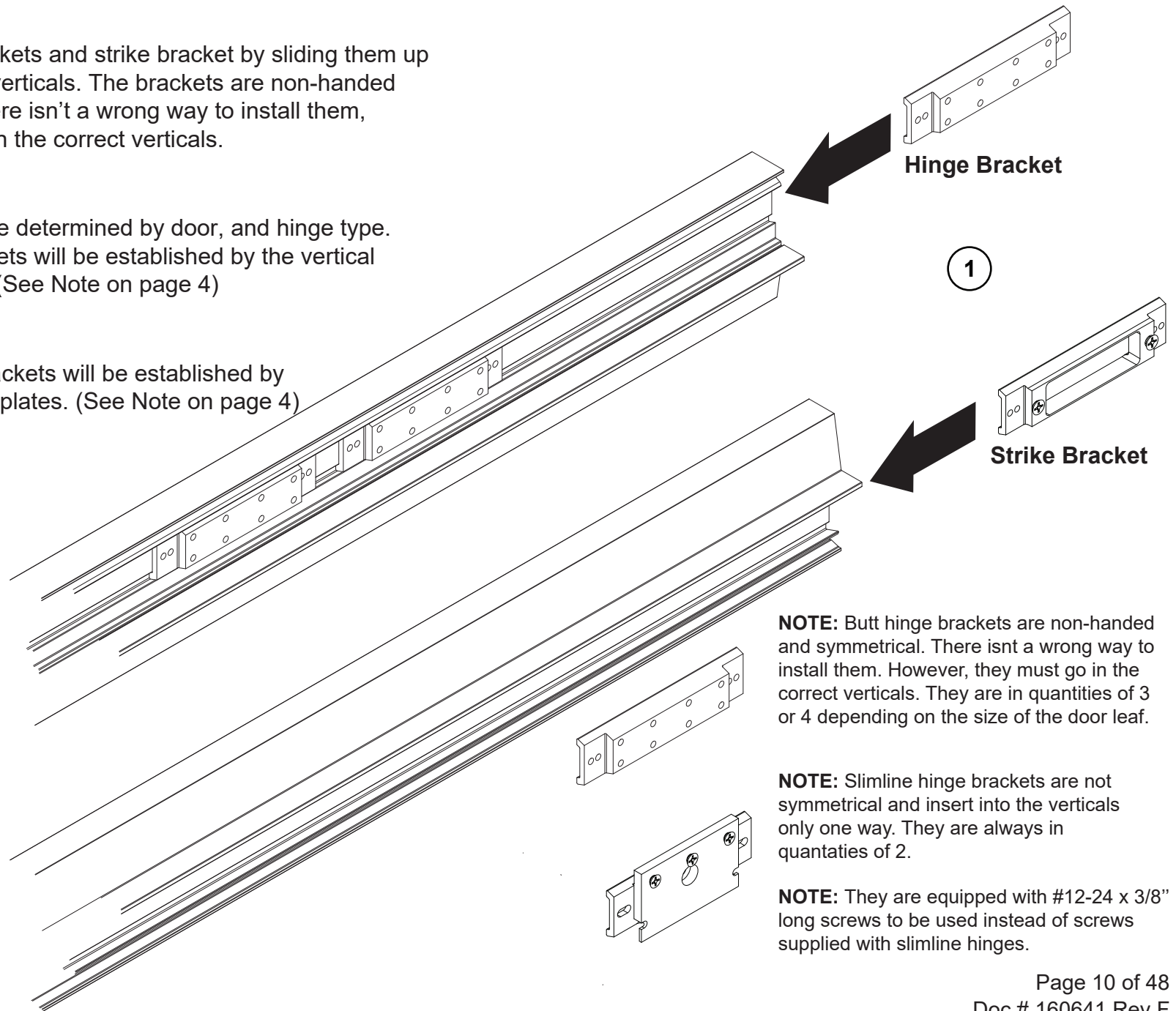
Left-hand



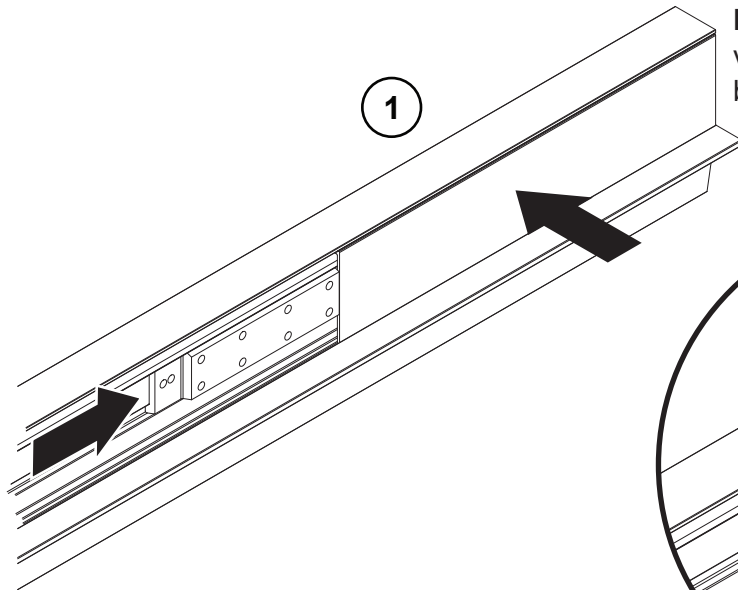
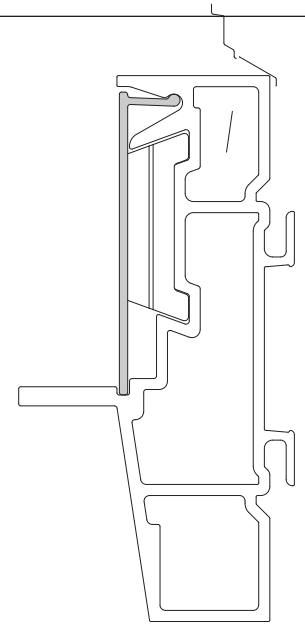
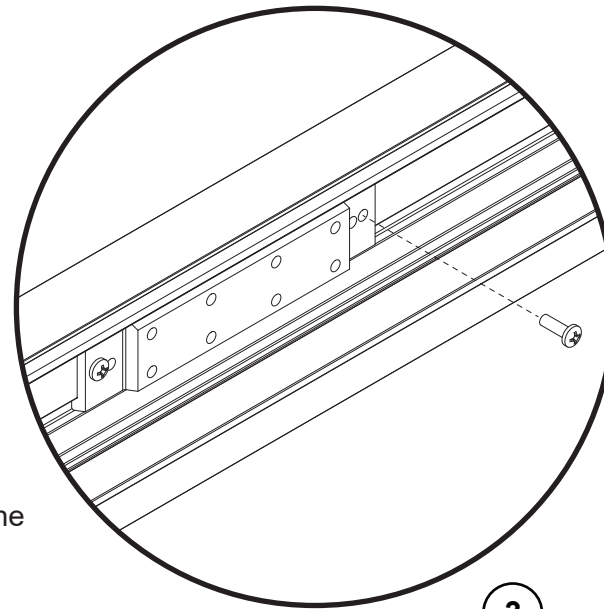
1. Install the hinge brackets and strike bracket by sliding them up from the bottom of the verticals. The brackets are non-handed and symmetrical, so there isn't a wrong way to install them, however they must go in the correct verticals.

2. Number of hinges are determined by door, and hinge type. Location of hinge brackets will be established by the vertical covers as a templates. (See Note on page 4)

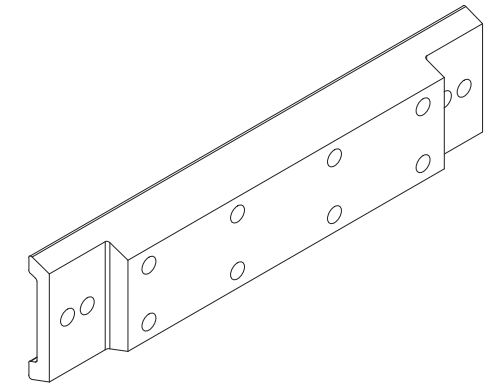
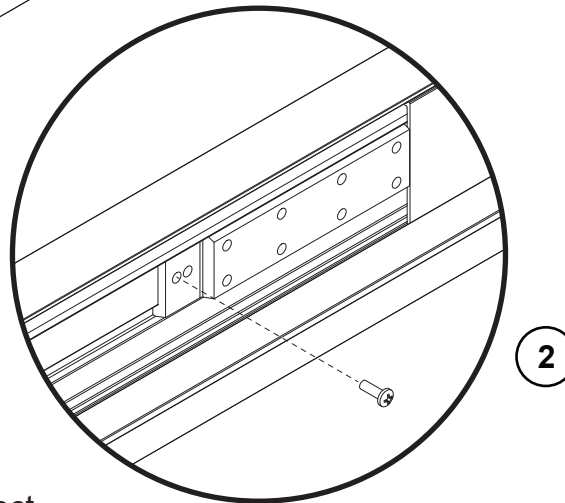
3. Location of strike brackets will be established by vertical covers as a templates. (See Note on page 4)



1. Use the bottom hinge cover to position the first hinge bracket.
2. Keeping cover and vertical flush and hinge bracket against the edge of the cover, install a #10-3/4" long self-tapping screw.
3. Move the cover and repeat drilling pilot hole and installing screw in hinge. The bottom cover can now be snapped into place.



Note: Cover and vertical flush at the bottom.



TIP: The covers are what set the hinge and strike locations. The bottom covers and the center hinge covers are factory cut to the correct dimension for the door specified on the floor plan. When setting the brackets, butt the end of the covers into the surfaces of the brackets as shown. This will properly set the bracket locations to match the door leaf hinge and strike dimension. See page 5 for cover identification.

TIP: 2 holes on either end of bracket allow for re-location if bracket is in need of fine adjustment.

The top covers will require field cutting, see pages 13 and 15.

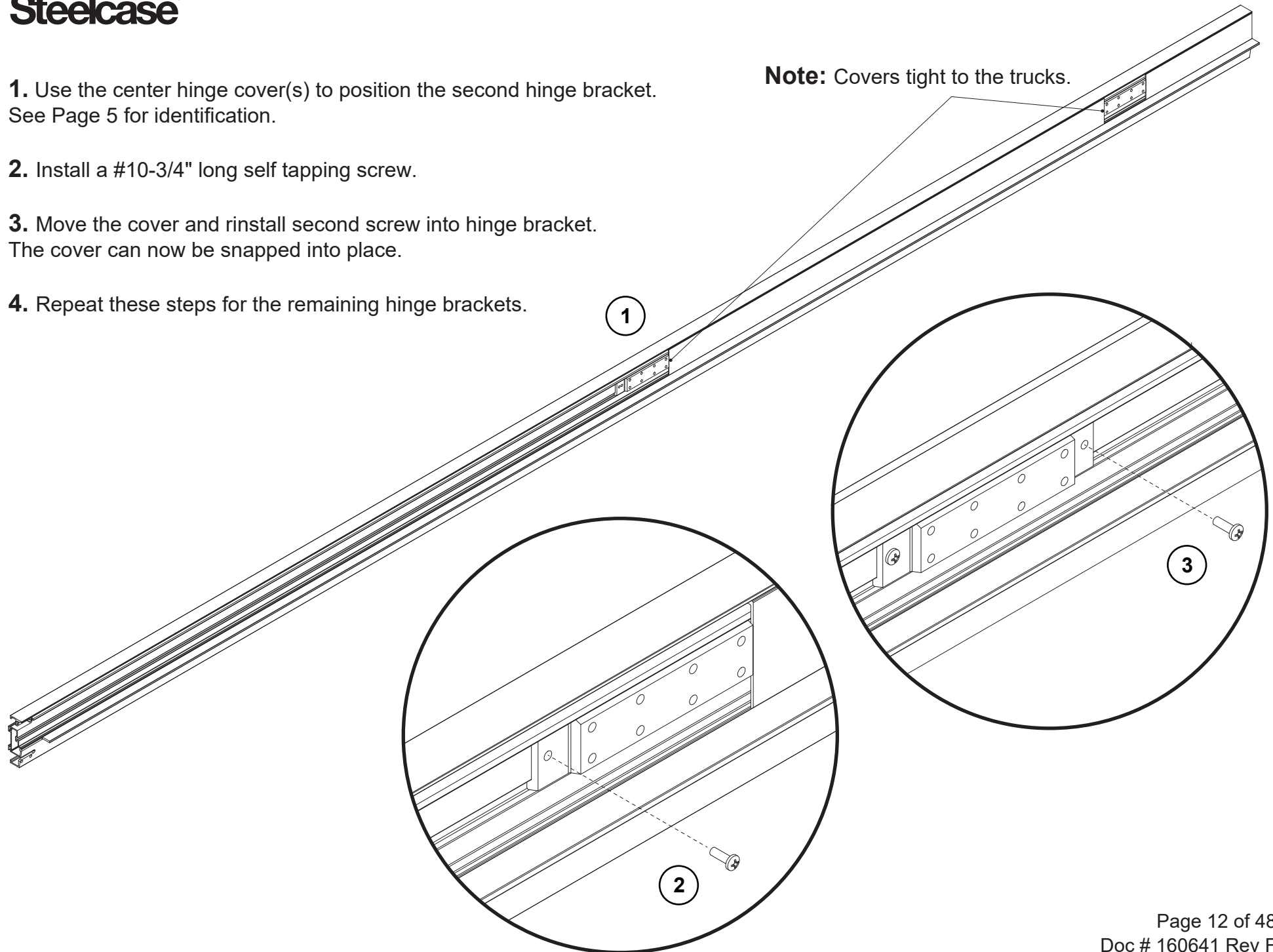
1. Use the center hinge cover(s) to position the second hinge bracket.
See Page 5 for identification.

2. Install a #10-3/4" long self tapping screw.

3. Move the cover and reinstall second screw into hinge bracket.
The cover can now be snapped into place.

4. Repeat these steps for the remaining hinge brackets.

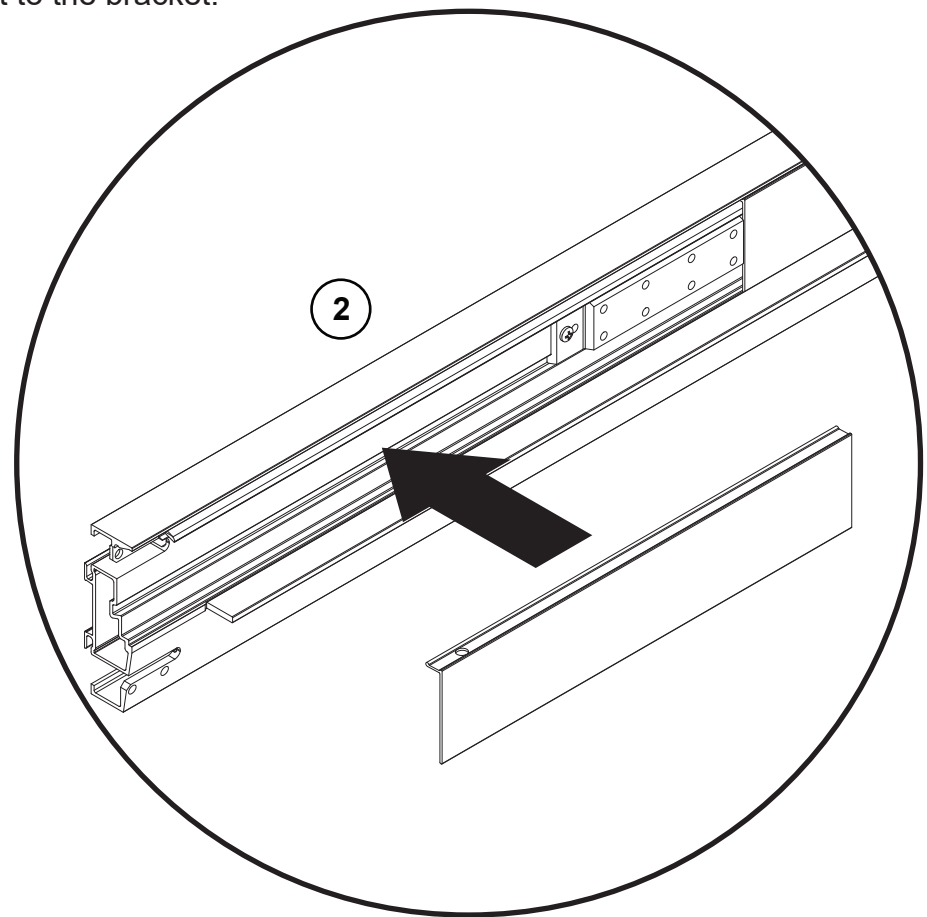
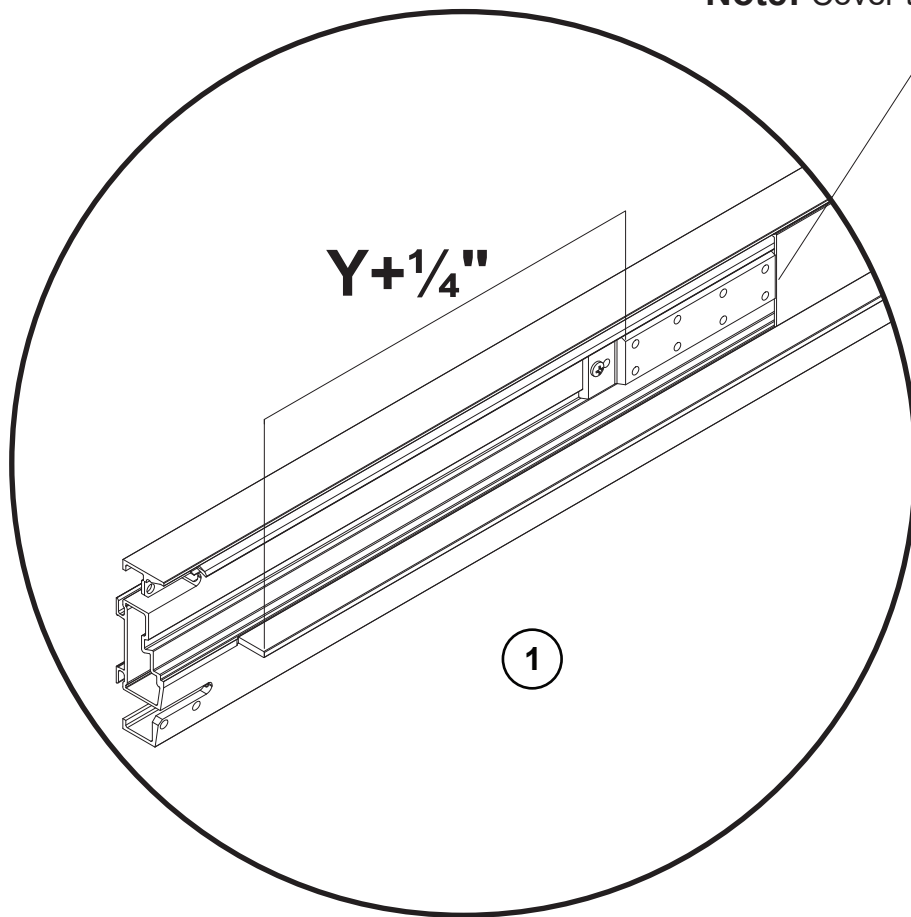
Note: Covers tight to the trucks.



1. Measure from edge of hinge bracket to top of flange and add 1/4".

2. Cut the top hinge cover to length and snap into place.
See Page 5 for identification.

Note: Cover tight to the bracket.



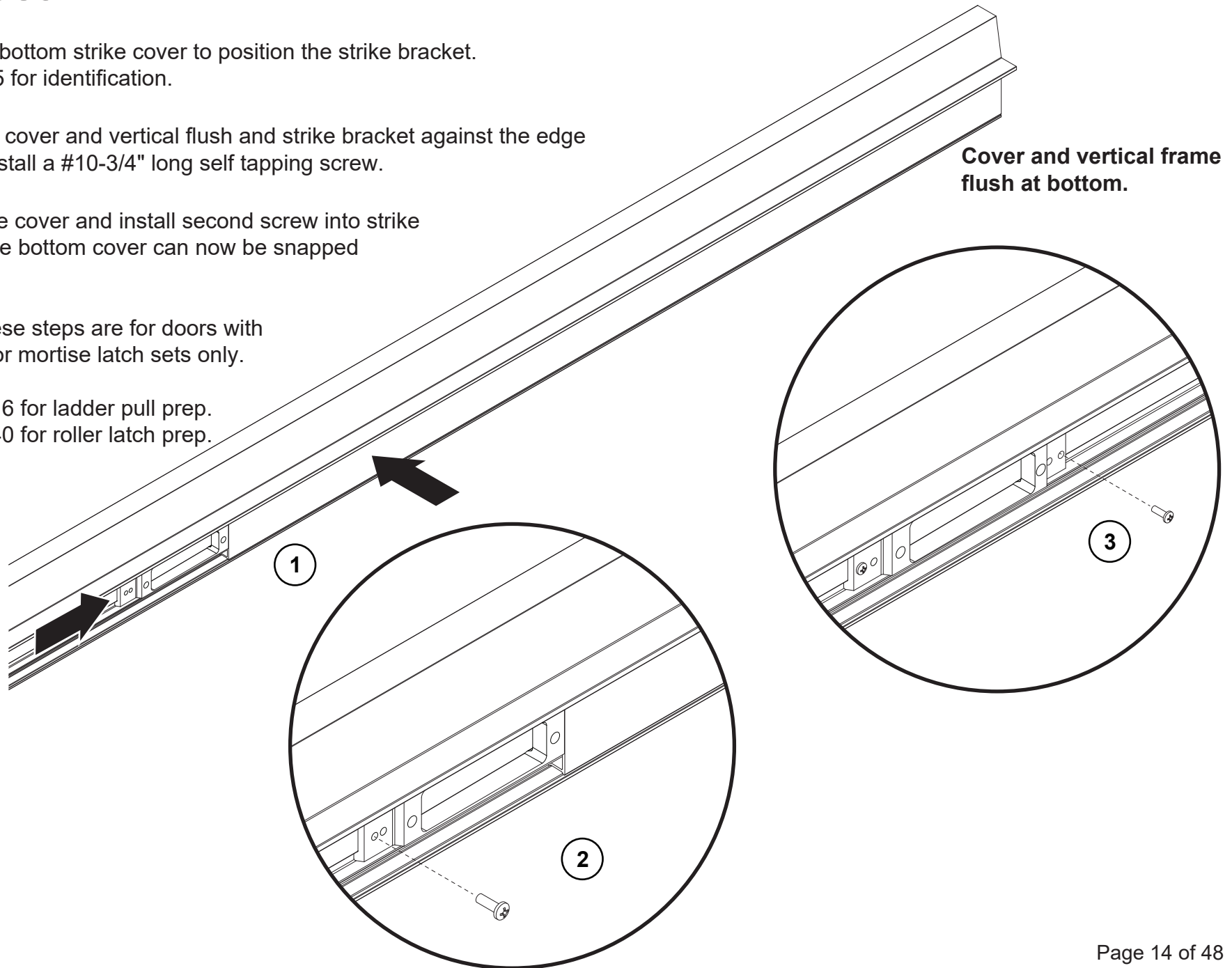
1. Use the bottom strike cover to position the strike bracket.
See Page 5 for identification.

2. Keeping cover and vertical flush and strike bracket against the edge of cover, install a #10-3/4" long self tapping screw.

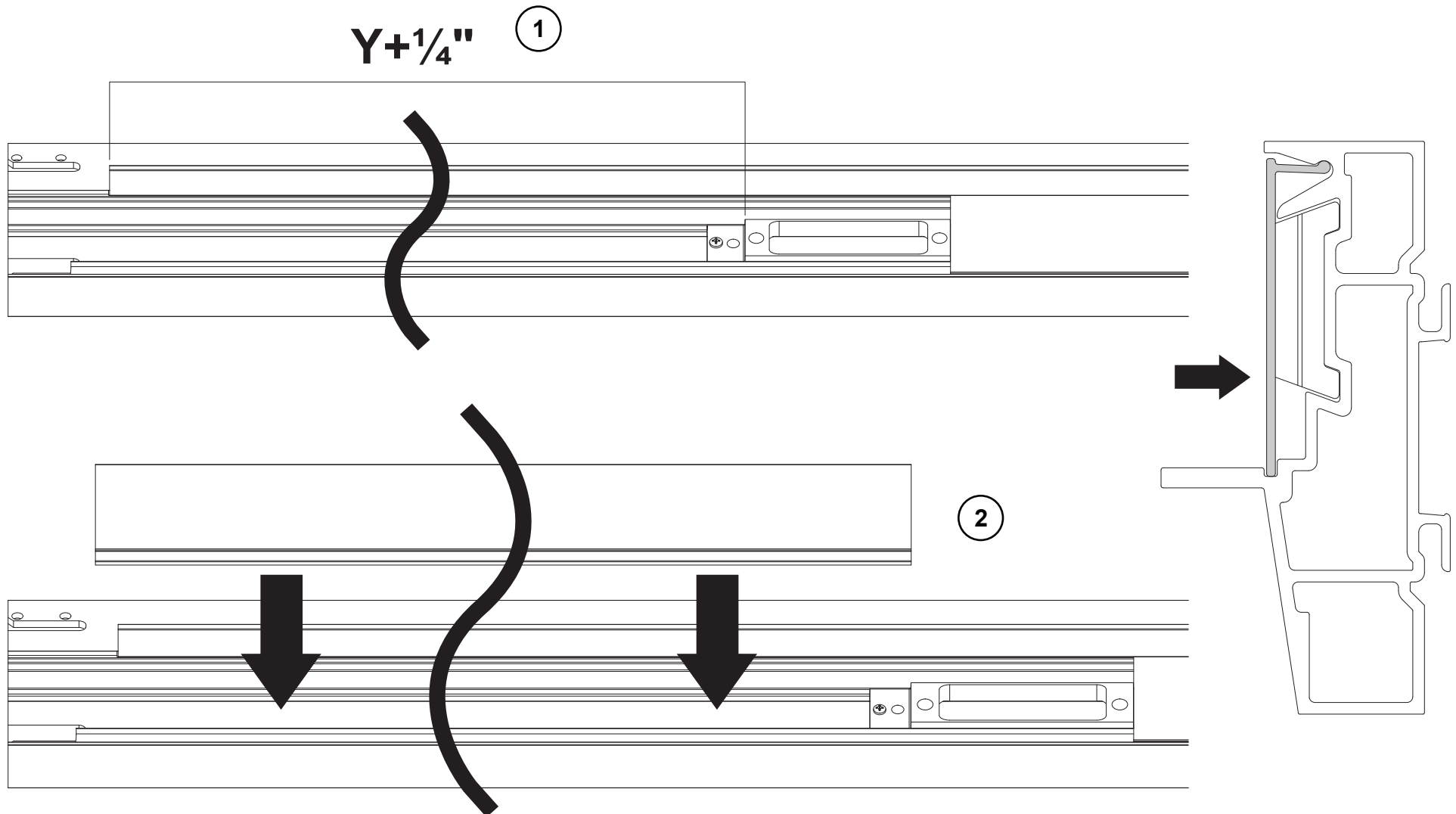
3. Move the cover and install second screw into strike bracket. The bottom cover can now be snapped into place.

NOTE: These steps are for doors with cylindrical or mortise latch sets only.

See page 16 for ladder pull prep.
See page 40 for roller latch prep.



1. Measure from edge of strike bracket to top of flange and add 1/4". See Page 5 for identification.
2. Cut the top strike cover to length and snap into place.

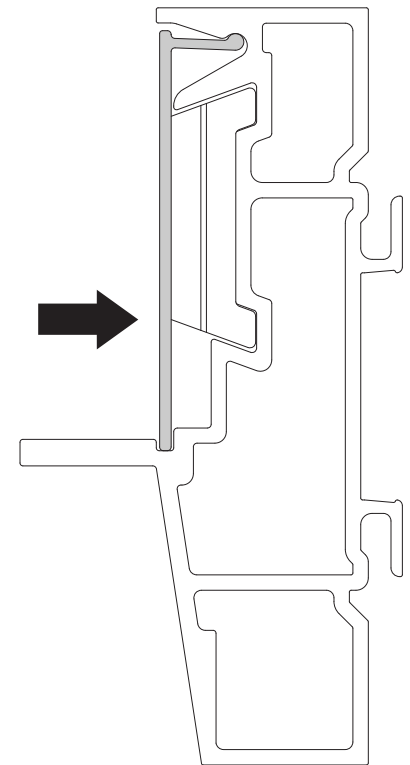
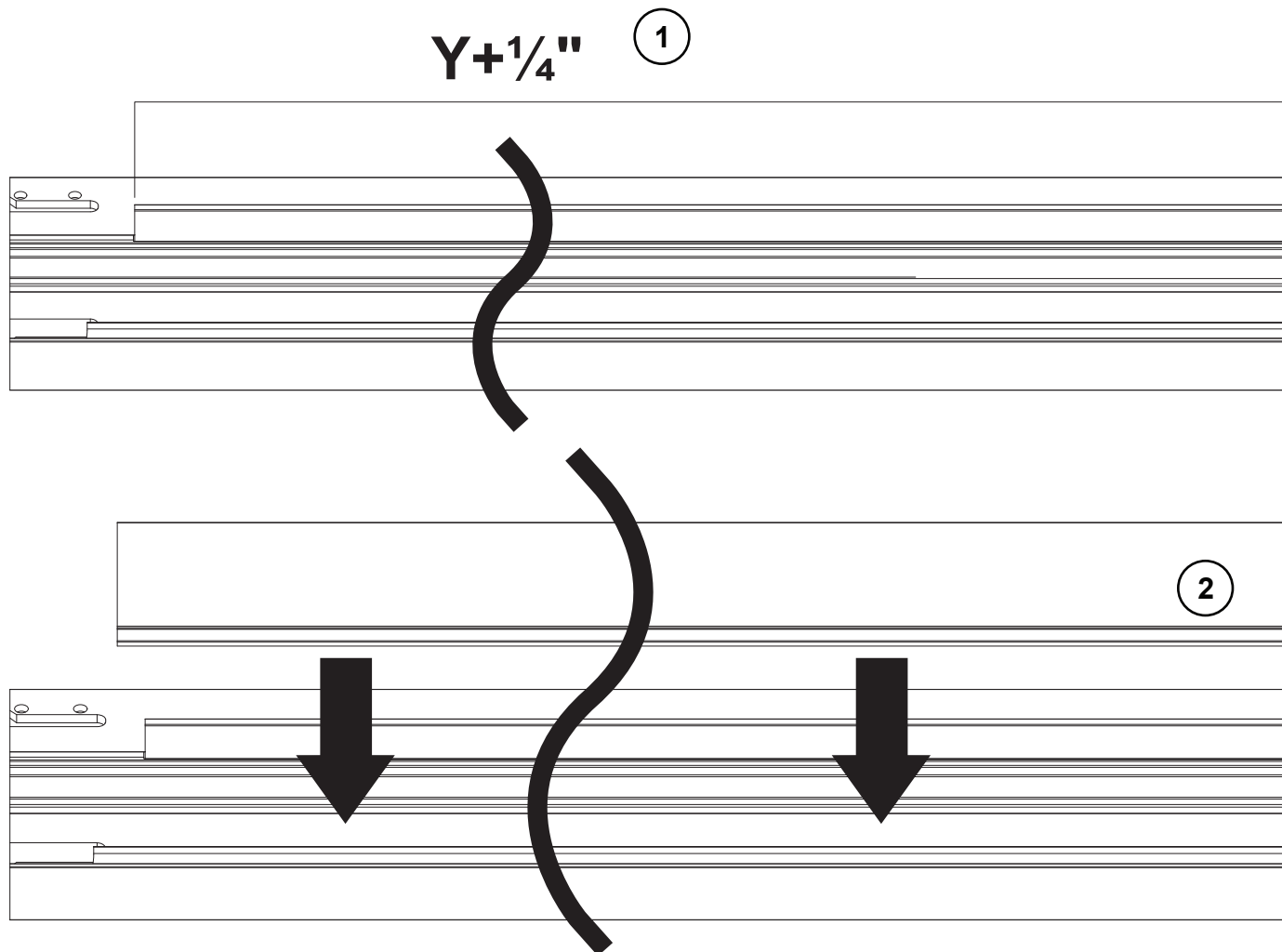


For doors with push/pull, ladder pull, and electric strike options, a single full length strike side cover is supplied.
No strike bracket is installed.

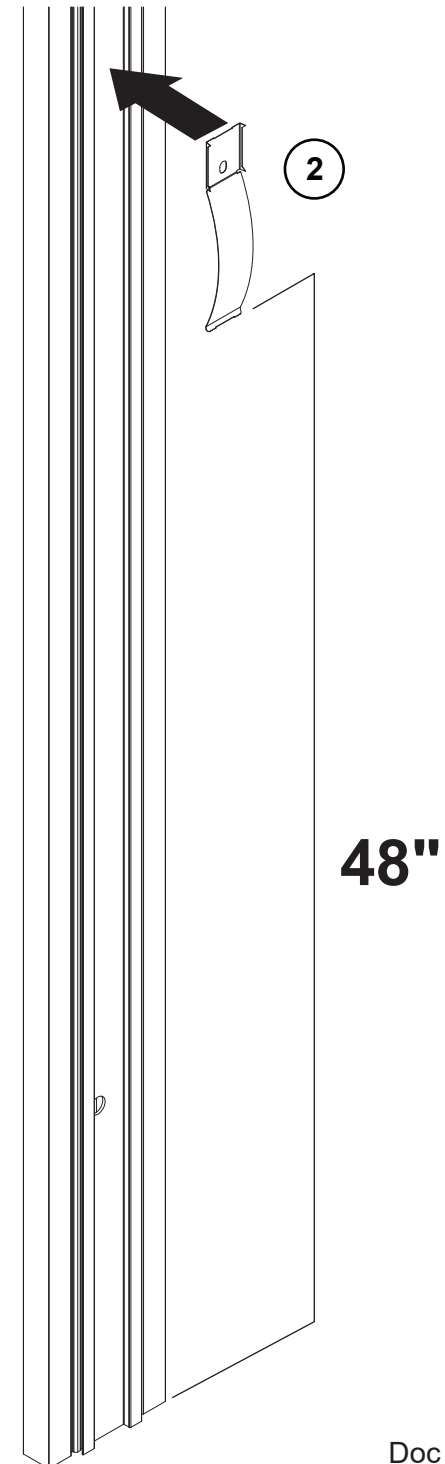
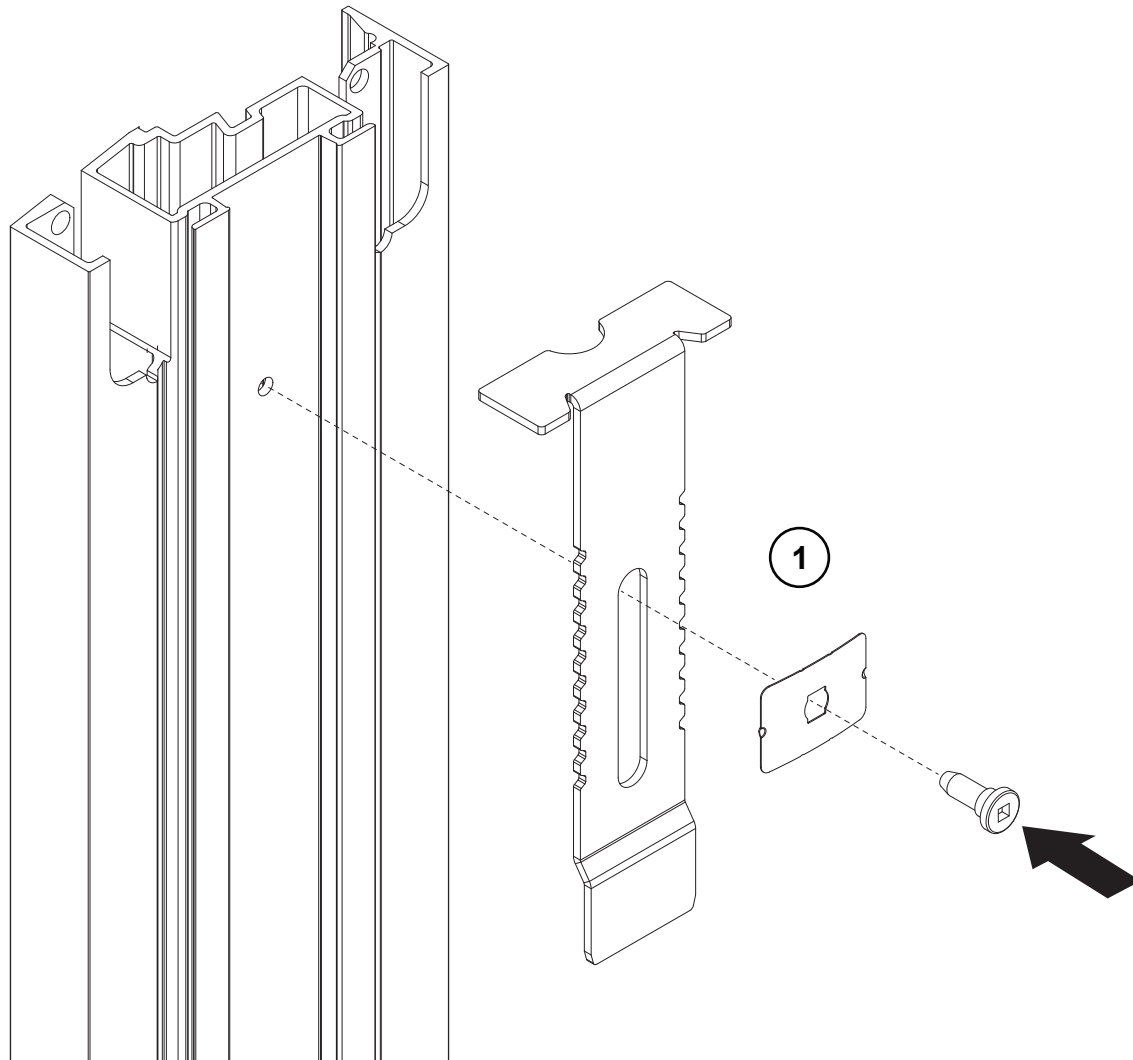
For doors with roller latch option see page 40 for field prep of strike cover.

For doors with electric strike option see page 43 for field prep of strike vertical and cover.

1. After cutting vertical to length (see page 9) measure from the bottom of the vertical frame to the flange and add $\frac{1}{4}$ "
2. Cut the strike cover to length and snap into place. See Page 5 for identification.



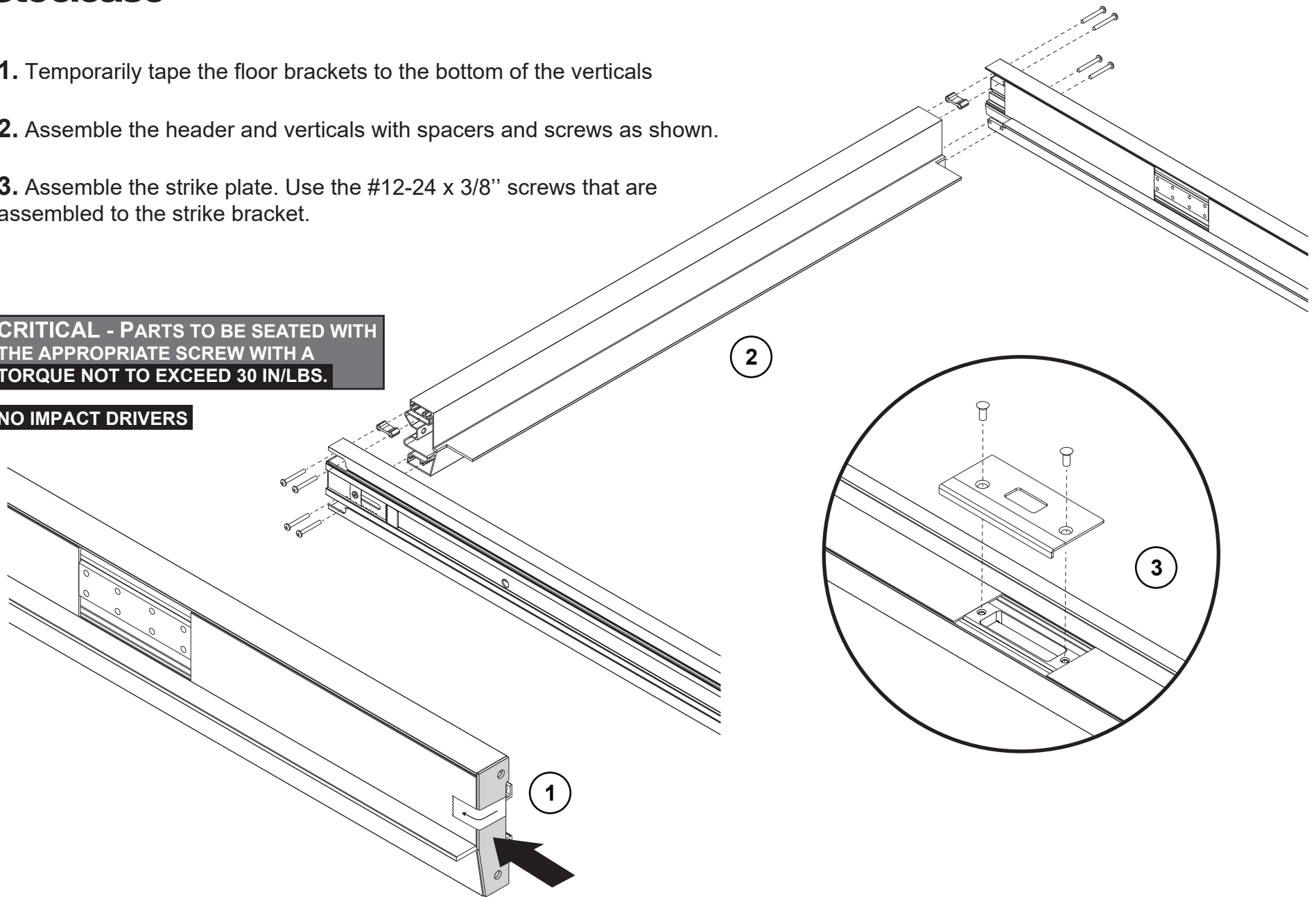
1. Install the post extension to both verticals.
2. Install planarity clip to one vertical 48" from the floor.
(check adjacent wall or junction for other planarity clip, add new clip to opposite vertical.)



1. Temporarily tape the floor brackets to the bottom of the verticals
2. Assemble the header and verticals with spacers and screws as shown.
3. Assemble the strike plate. Use the #12-24 x 3/8" screws that are assembled to the strike bracket.

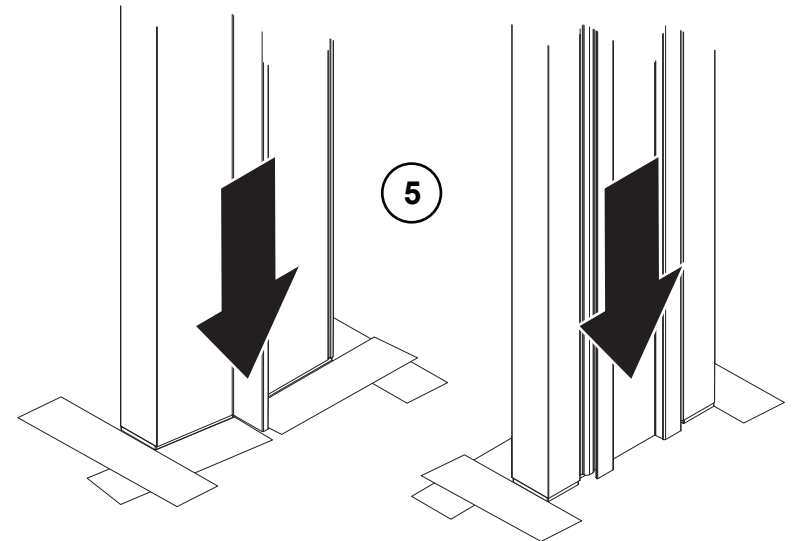
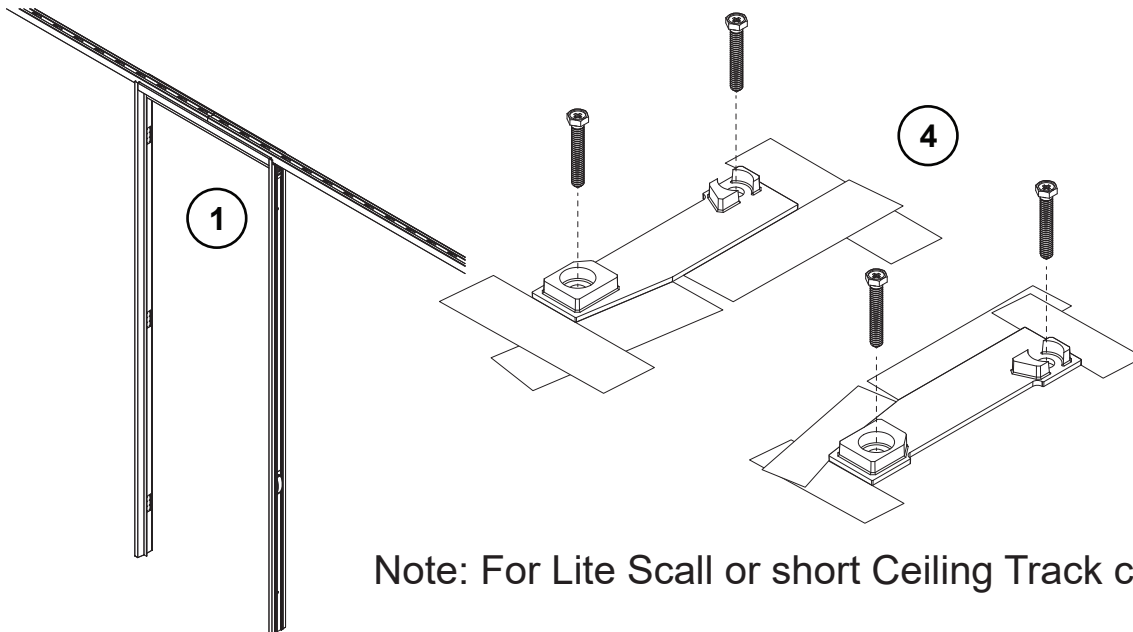
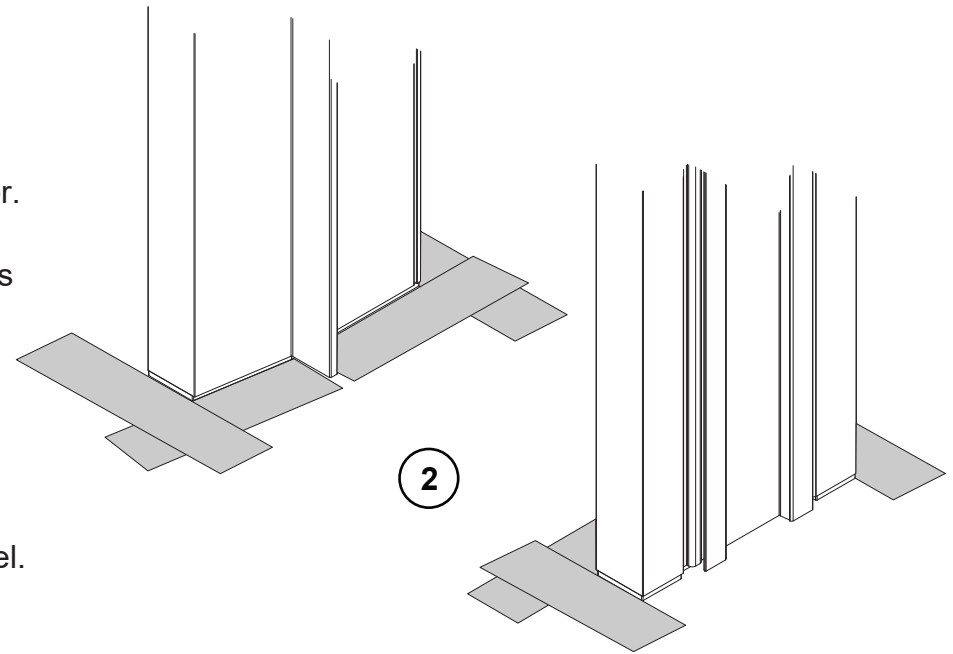
CRITICAL - PARTS TO BE SEATED WITH THE APPROPRIATE SCREW WITH A TORQUE NOT TO EXCEED 30 IN/LBS.

NO IMPACT DRIVERS



Both Sides

1. Install frame into ceiling track. Position the frame per the floor plan and insure it is plumb and level.
2. Use masking tape to mark the positions of the verticals on the floor.
3. Pull the verticals away from the tape and remove the floor brackets from the bottoms of the verticals.
4. Position the floor brackets back to the reference tape. Secure with anchor screws, dual lock tape, or VHB tape depending on floor condition.
5. Lift frame verticals back onto floor brackets. Check plumb and level. Push post extensions to the top of ceiling track.
6. Install frame couplers joining door frame to adjacent product.



Note: For Lite Scall or short Ceiling Track conditions see page 45.

Alternate Floor Bracket Installation Method

This method requires that the adjacent product is plumb and level, and the Plan Width opening for the door is in the correct location and set to the proper width.

Use a cut off section of the door frame vertical to align with adjacent product.

Verify the orientation and swing of the door.
Place the correct hand floor bracket on the floor (1), place the cut section of door frame on the floor bracket (2), align the frame with the adjacent product and fasten the floor bracket to the floor.

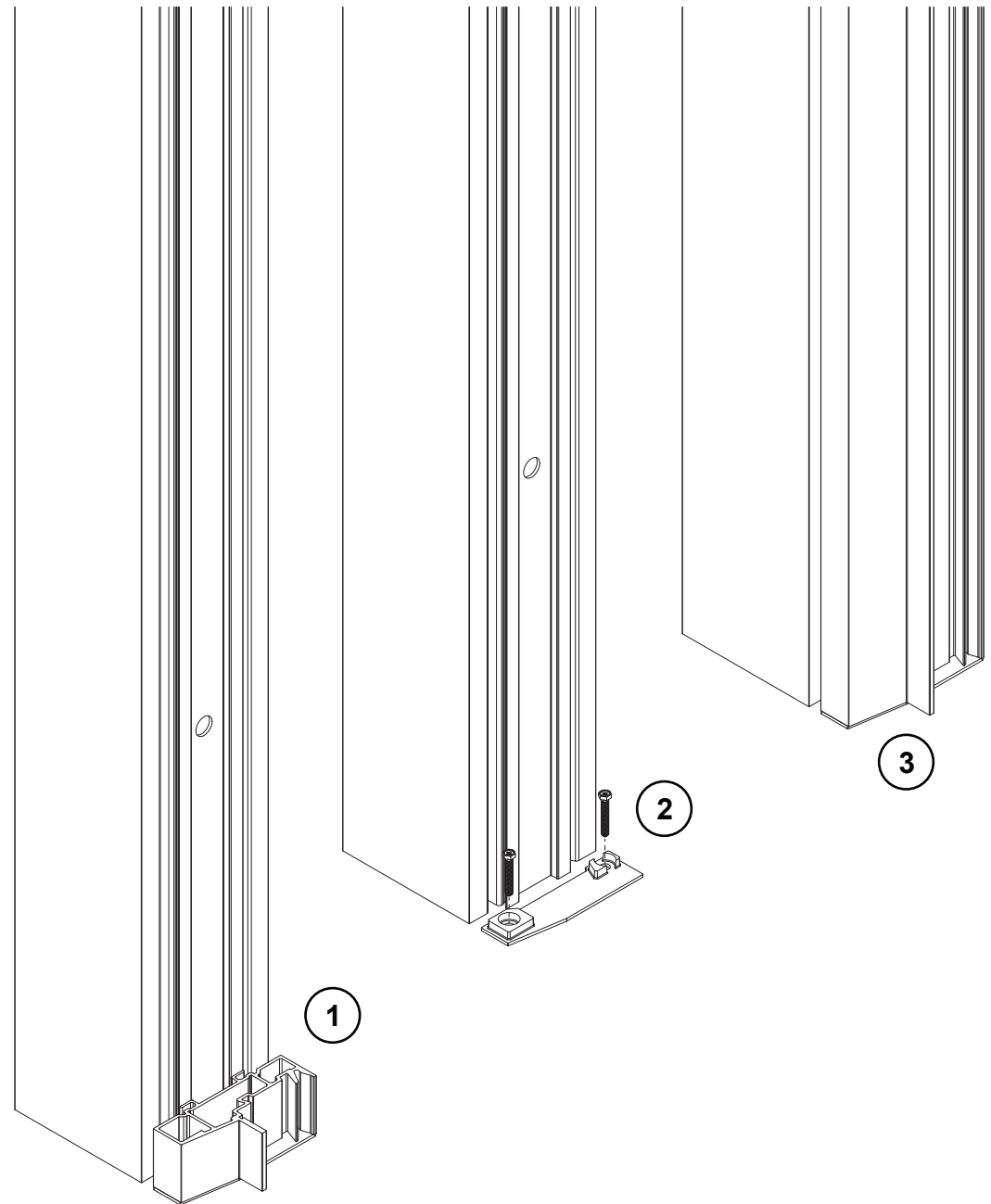
The floor bracket comes with 3 mounting options: holes for screw mounting, VHB tape, and carpet loop.

The GC or building engineer of record would determine fastener option. We strongly recommend a 3/16 hex head Tapcon when ever possible.

If the tape or loop options are used, release the backing for tape or loop, align the cut section of frame and floor bracket to the adjacent product while just off the floor surface.

Once the bracket is aligned, press the bracket to the floor. Repeat the process on the opposite jamb.

Install the frame and lift onto floor brackets.



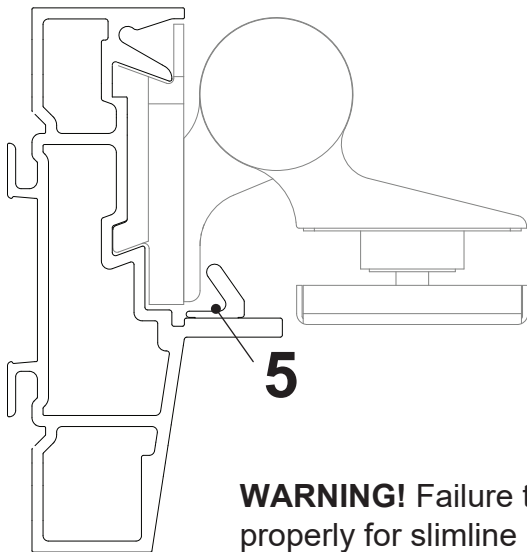
Attach door seals to the Jamb and header as shown.
(Seals are cut to length with scissors or utility knife.)

Attach to each jamb from the floor (1) to the width of
a seal past the bottom of the header flange. (2)

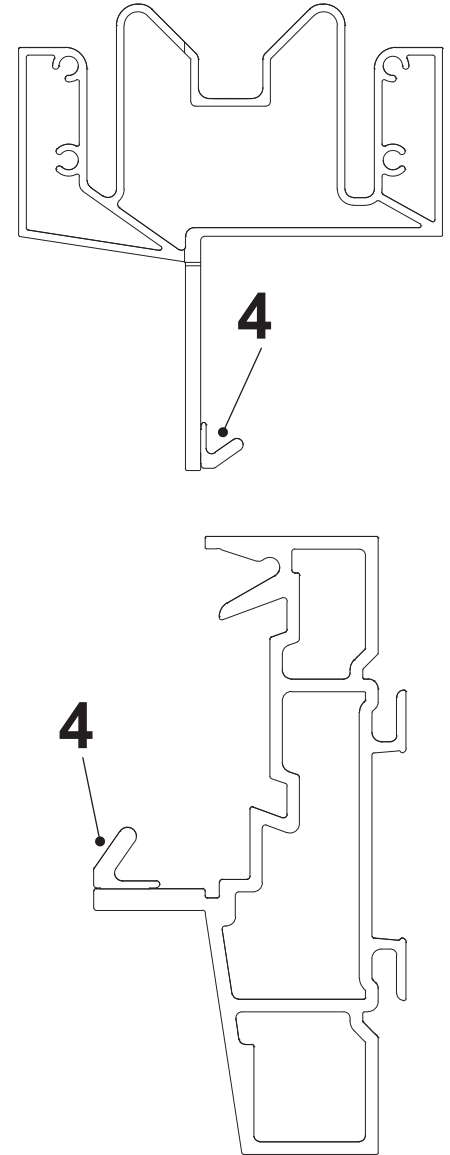
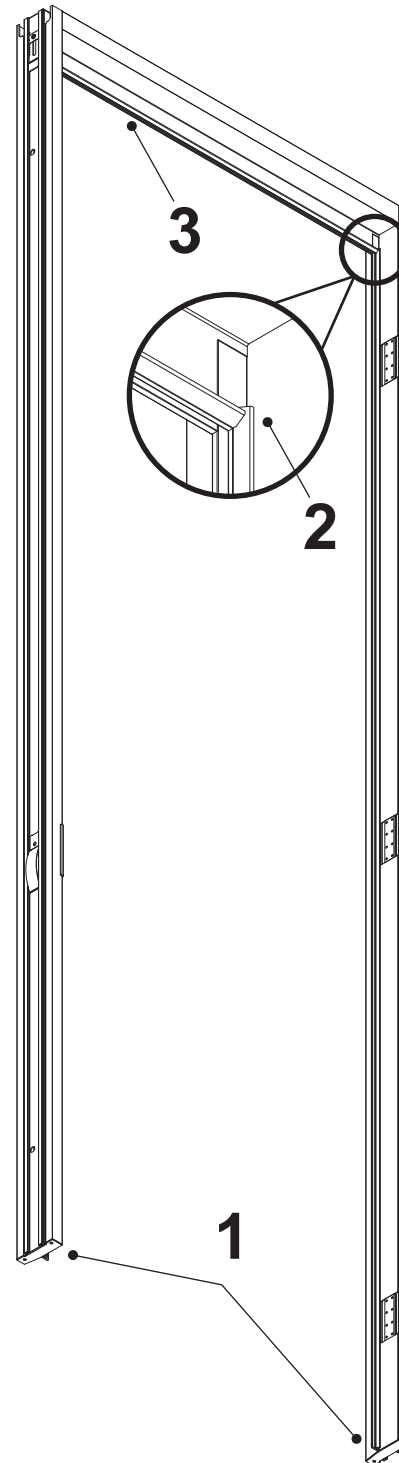
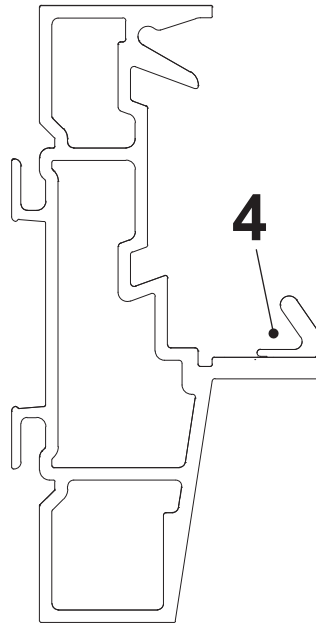
Attach to the header between the two jamb seals.
Avoid gaps between the jamb and header seal
where they butt together (3)

All seals to be flush to the edge of the jamb
or header flange (4)

For doors equipped with slimline hinges,
orient the seal on the hinge side jamb
as shown (5) to allow proper
clearance for hinges.



WARNING! Failure to place seal
properly for slimline hinges may
cause hinge failure



Door Preparation & Installation

Follow instructions included with all hinges.

Solid Door

1. Install and secure hinges.

Glass Door

2. Install gaskets and cover plate.

3. Position hinge face flush to door edge.

4. Secure hinge assembly to glass door leaf.

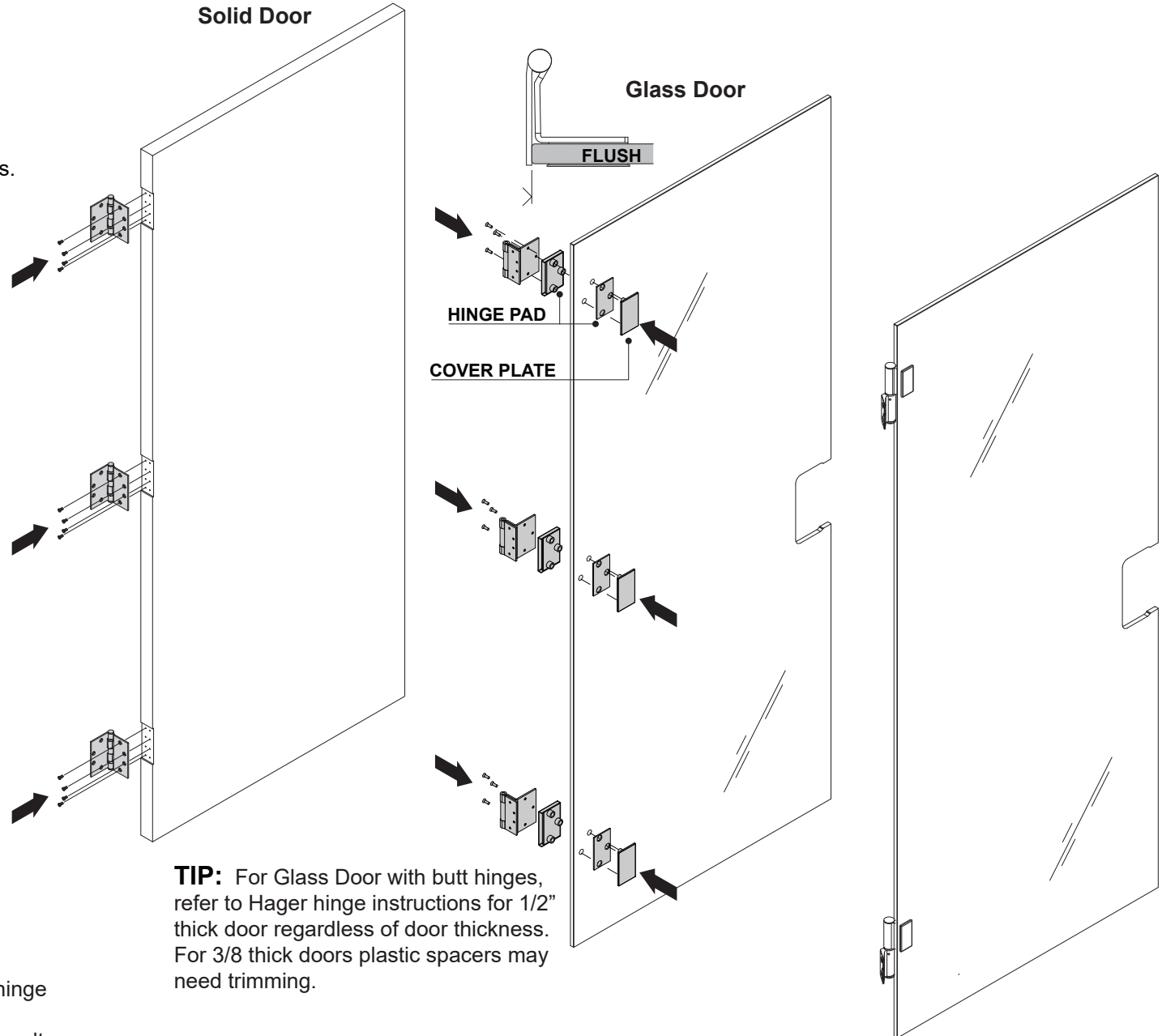
Glass Door - Slim Line Hinges

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

NOTE: See page 23 for exception to manufactures instructions



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.

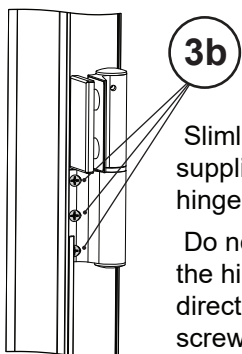


Door Preparation & Installation (continued)

NOTE: It is **IMPORTANT** that the following sequence be followed for securing the door to the door frame.

2. Place the door on two spacer boards
3. Secure all door hinge assemblies to the door frame vertical.
 - 3a. Use 4 #12-24 x 1/2" long screws per hinge, supplied with hinge.
 - 3b. Use 4 #12-24 x 3/8" long screws per hinge, supplied with slimline hinge bracket.
4. Rotate door and remove the two spacer boards to allow the door to move freely within the door opening.
5. Install door hardware.

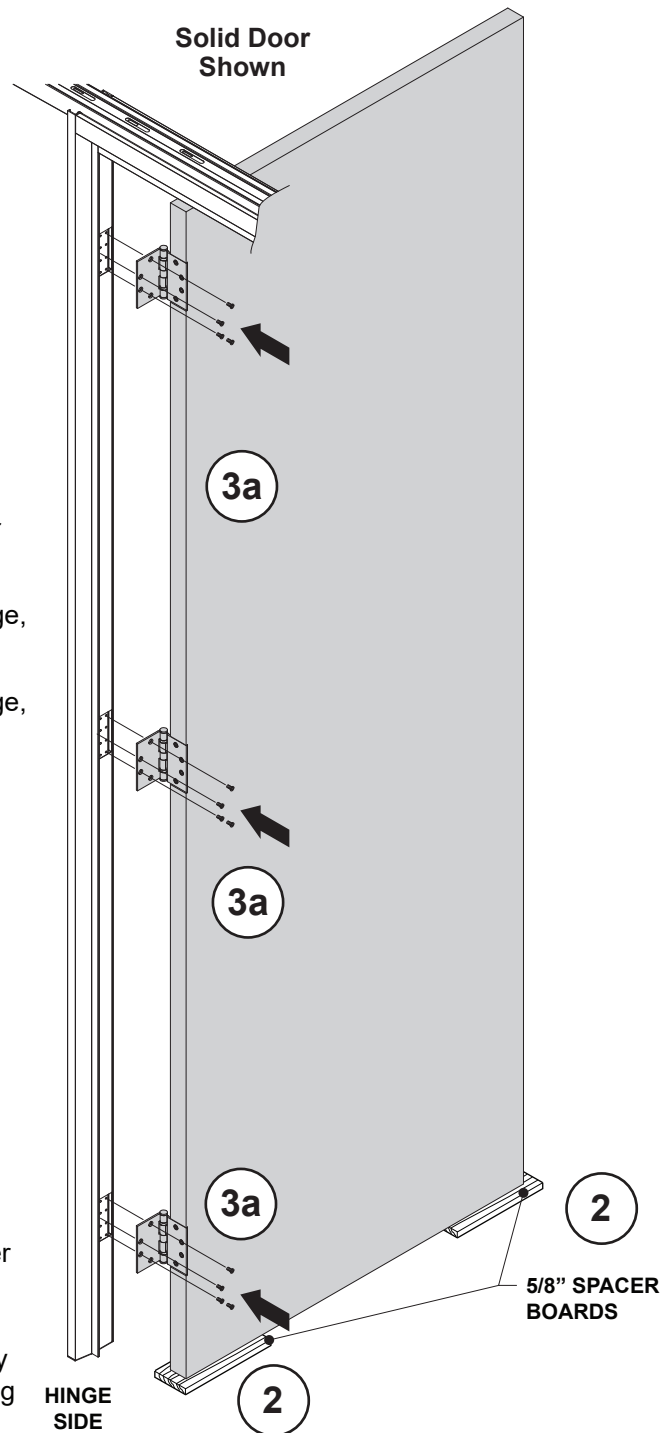
NOTE: A 5/8" spacer board is required to achieve the 1/2" minimum door-to-floor clearance.



3b

Slimline hinges use 3 Steelcase supplied #12-24 x 3/8" screws per hinge.

Do not use screws referenced in the hinge manufacturers assembly directions or the #12-24 x 1/2" long screws used with Butt Hinges.



Solid Door
Shown

3a

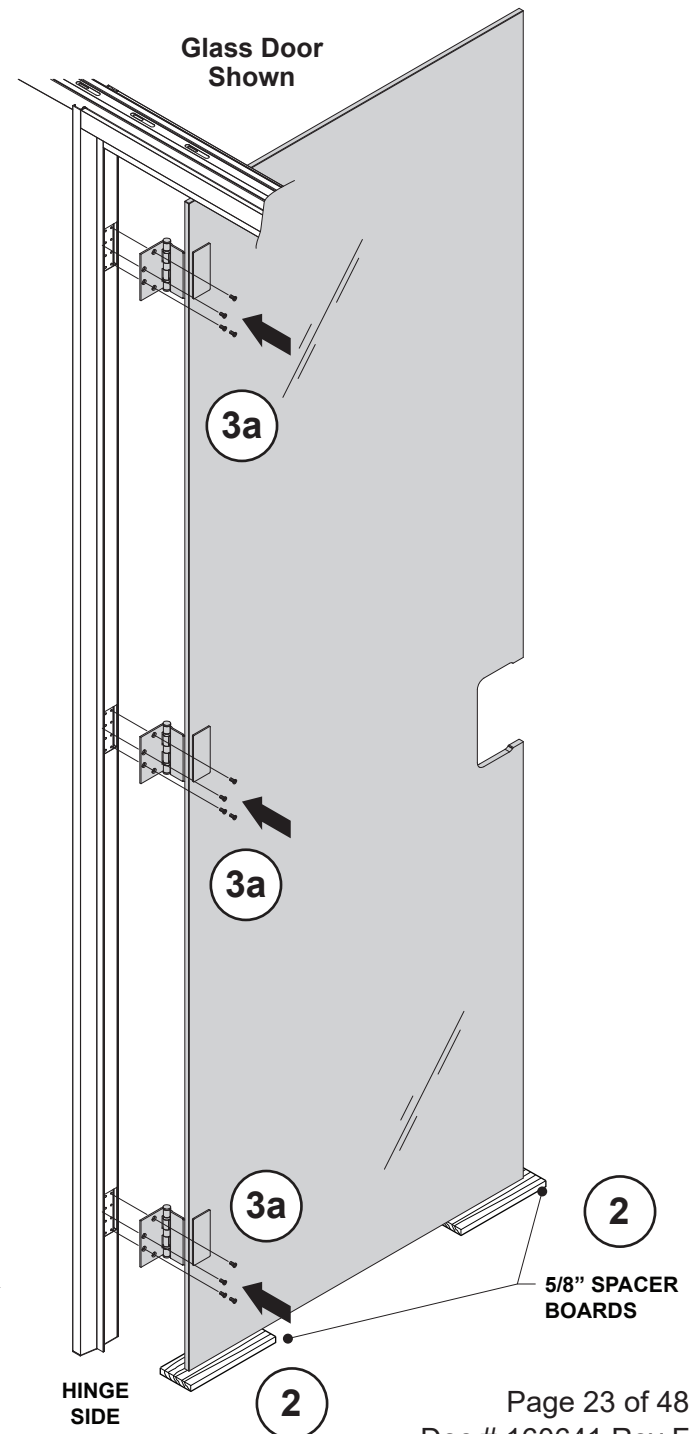
3a

3a

2

5/8" SPACER
BOARDS

HINGE
SIDE



Glass Door
Shown

3a

3a

3a

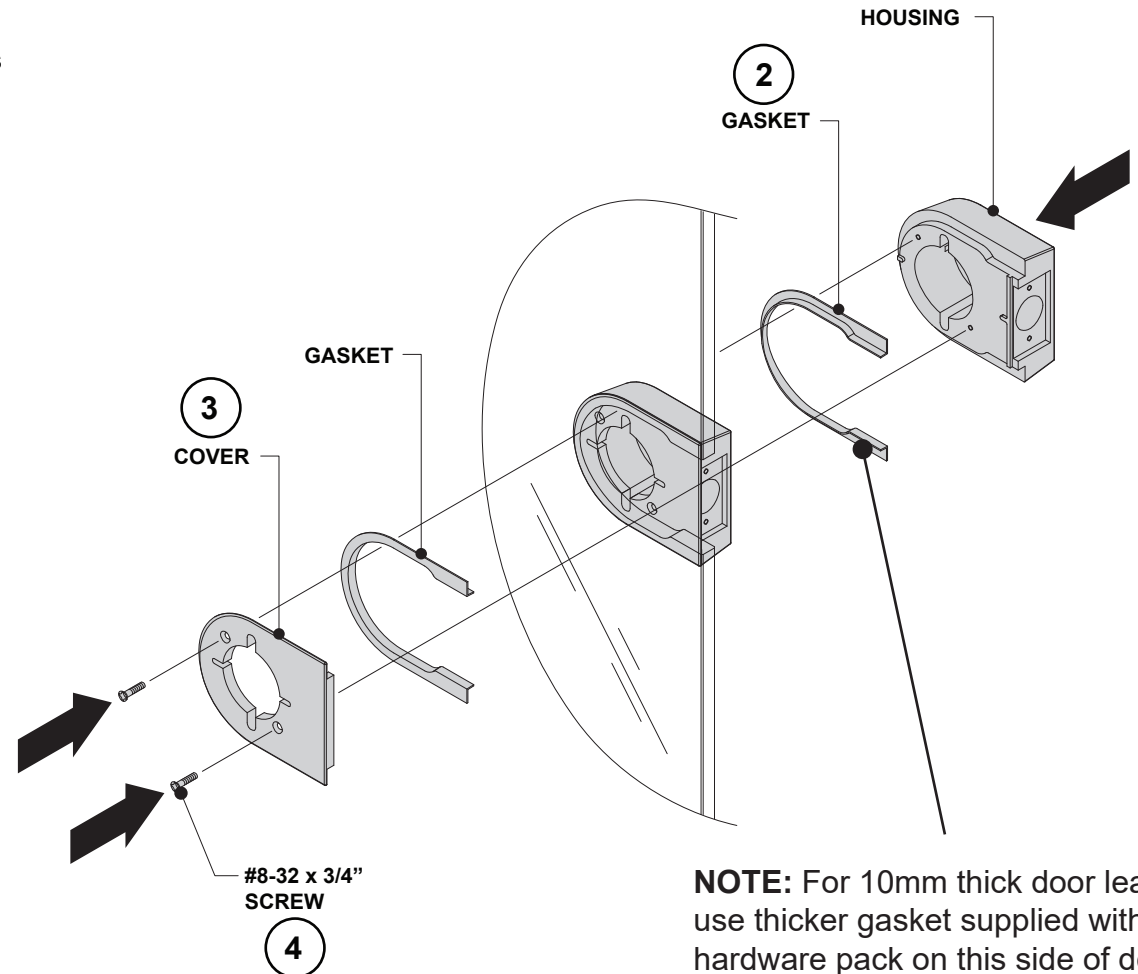
2

5/8" SPACER
BOARDS

HINGE
SIDE

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.



NOTE: For 10mm thick door leaves, use thicker gasket supplied with the hardware pack on this side of door.

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.

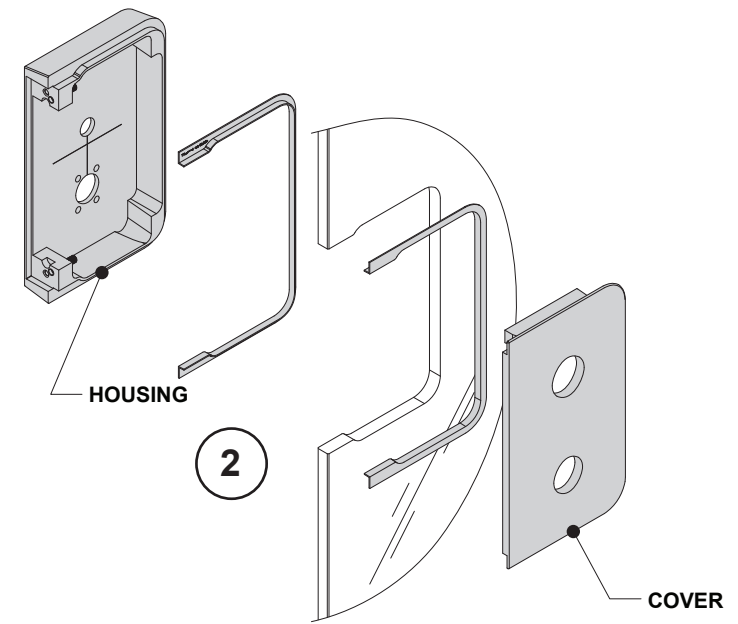
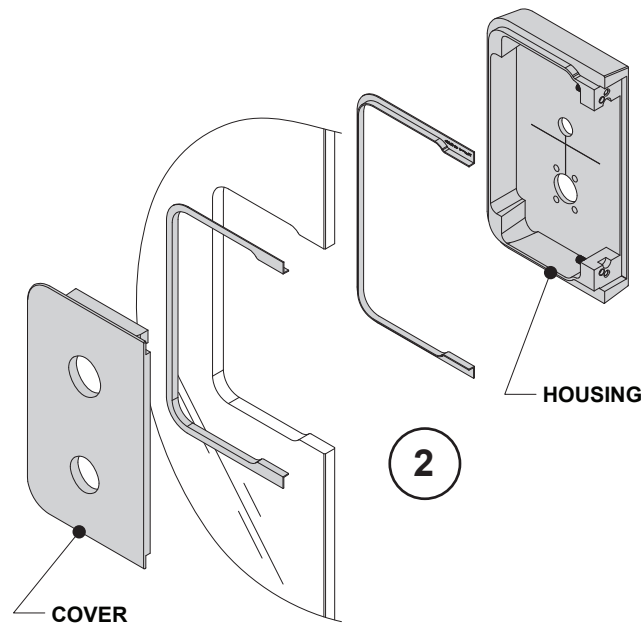
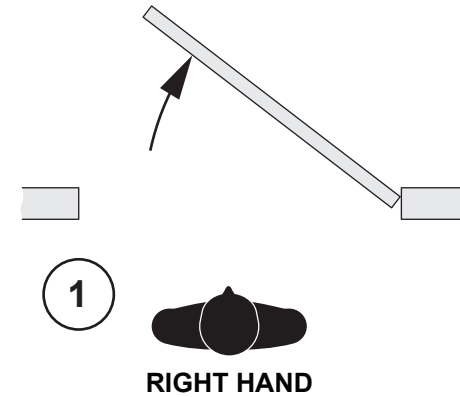
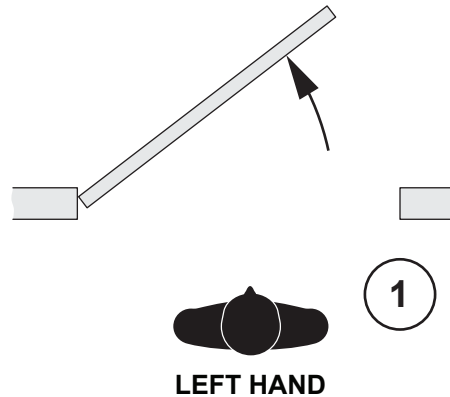
- LEFT HAND DOOR = Hinge located on the left side of the door frame.

- 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.



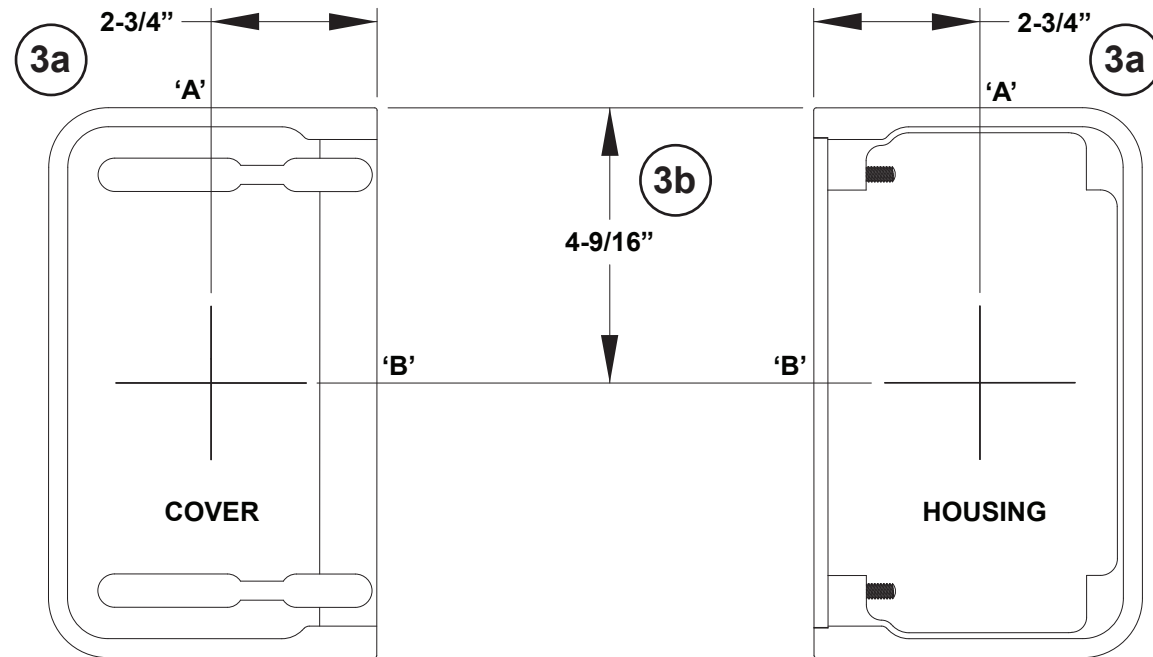
Mortise Lever Housing Preparation & Installation (Glass Door Only) (continued)

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).

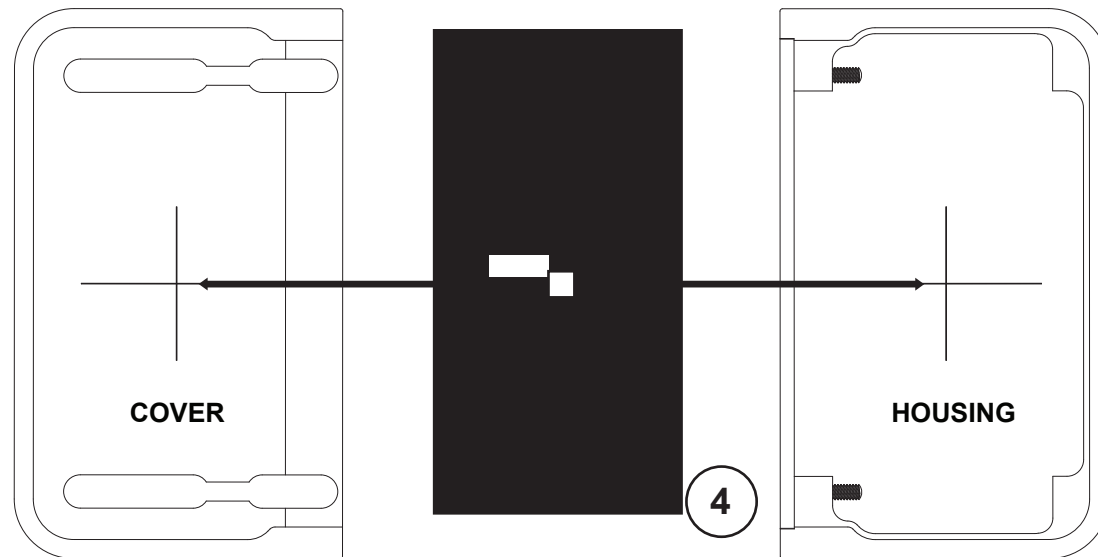
4. Align the hardware manufacturer's template to the marked lines.

- 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

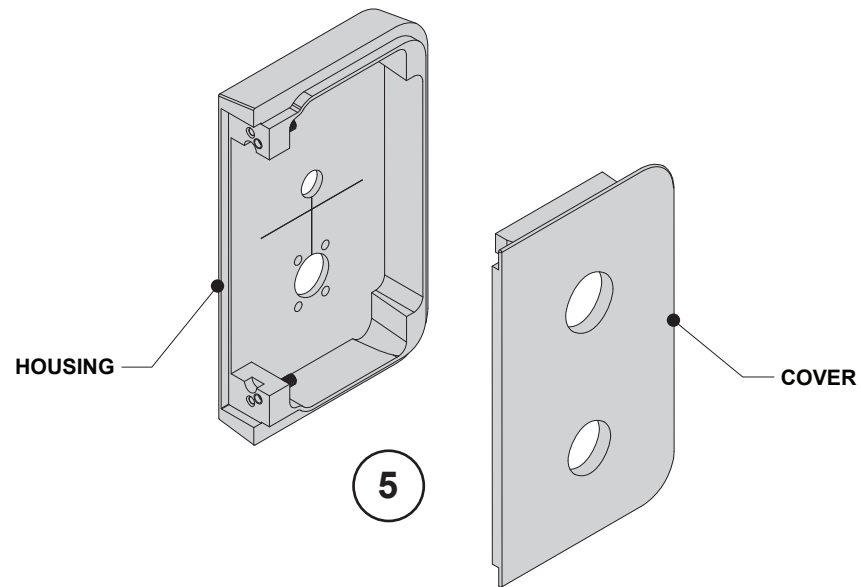
Mortise Lever Housing Preparation & Installation (Glass Door Only) (continued)

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.

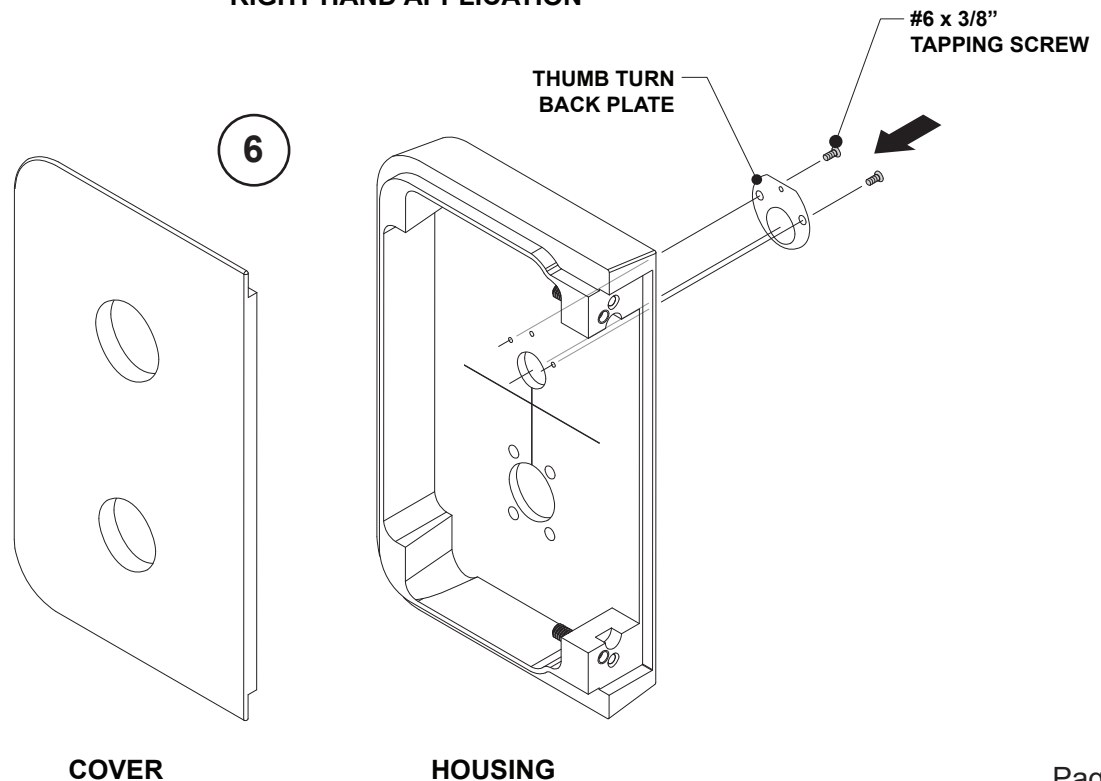
Note: RH door, the lock cylinder preparation typically resides in the cover or the door stop side.

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

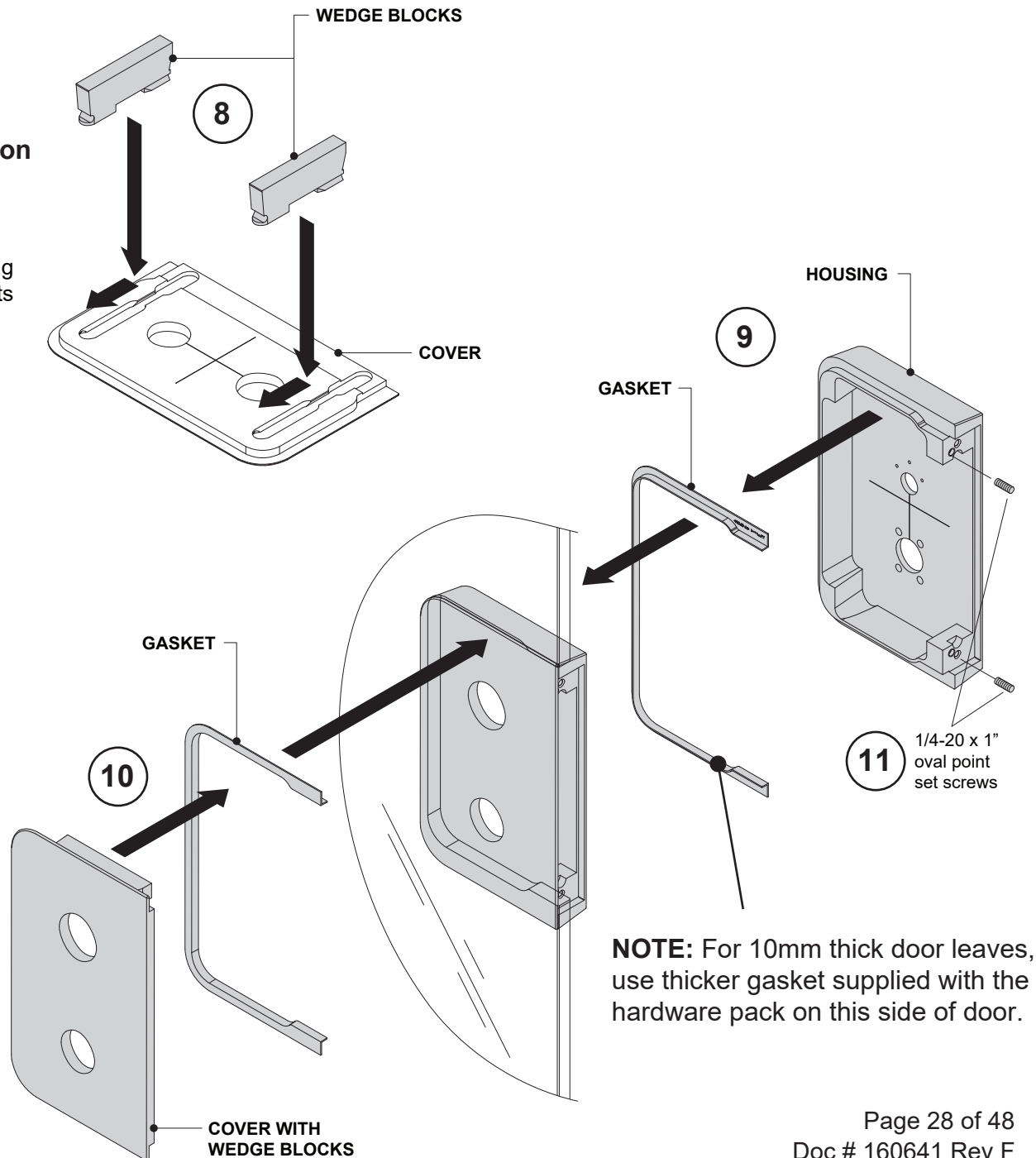


Mortise Lever Housing Preparation & Installation (Glass Door Only)

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.

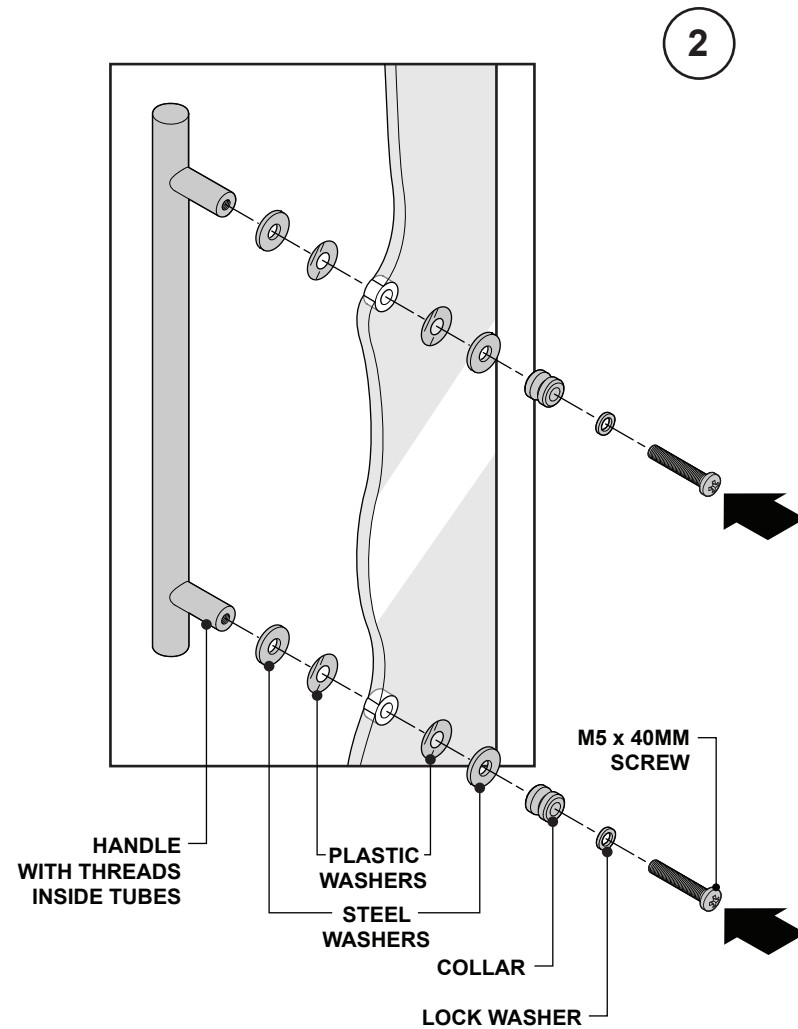
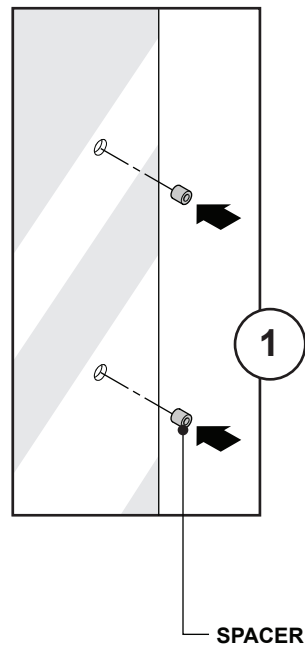
12. Install the **Mortise Lever Assembly** per the manufacturer's instructions.



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.

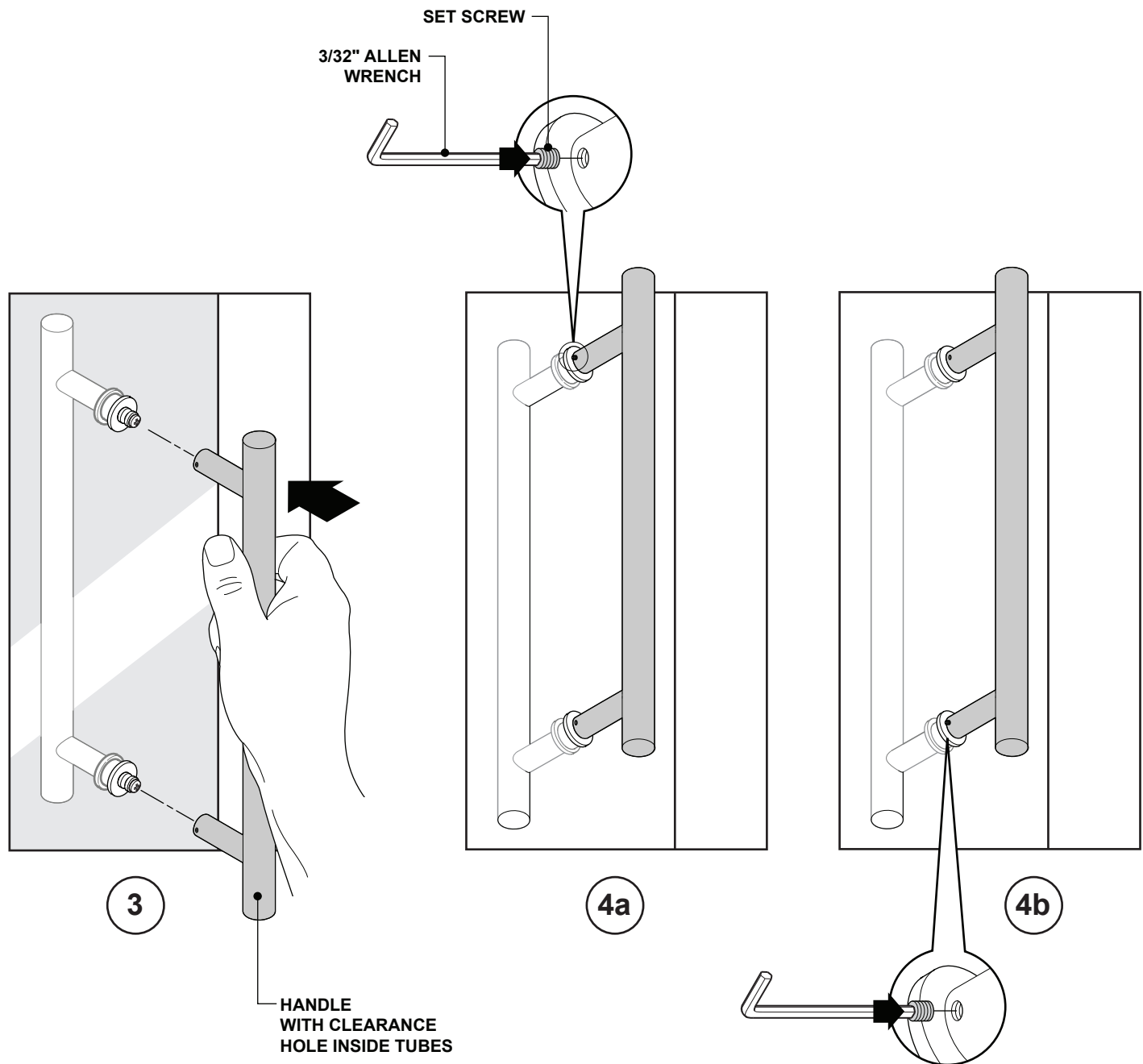


Push-Pull Handle Installation (continued)

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.



Ladder Pull Handle Installation

Configurations:

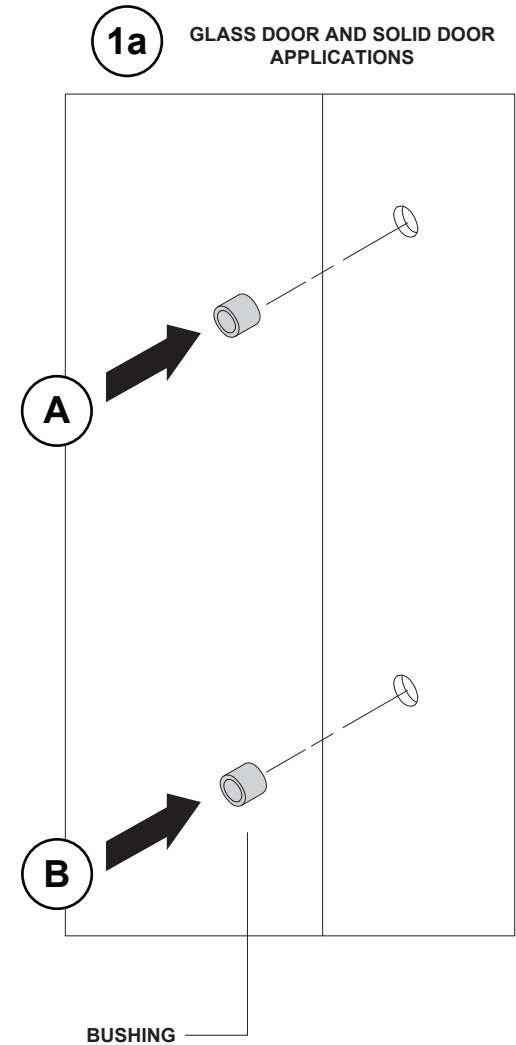
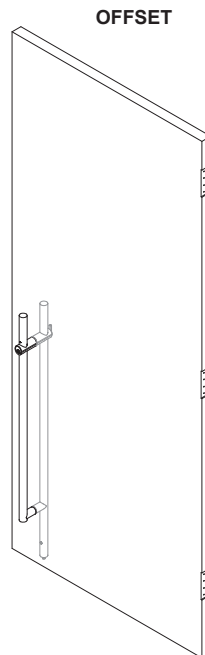
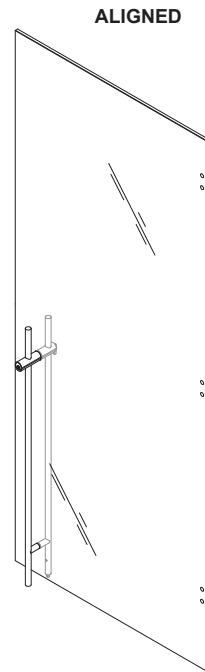
- Locking and non-locking aligned
- Locking and non-locking offset

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

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

Installation Dust Floor Socket "Locking Option" Only:

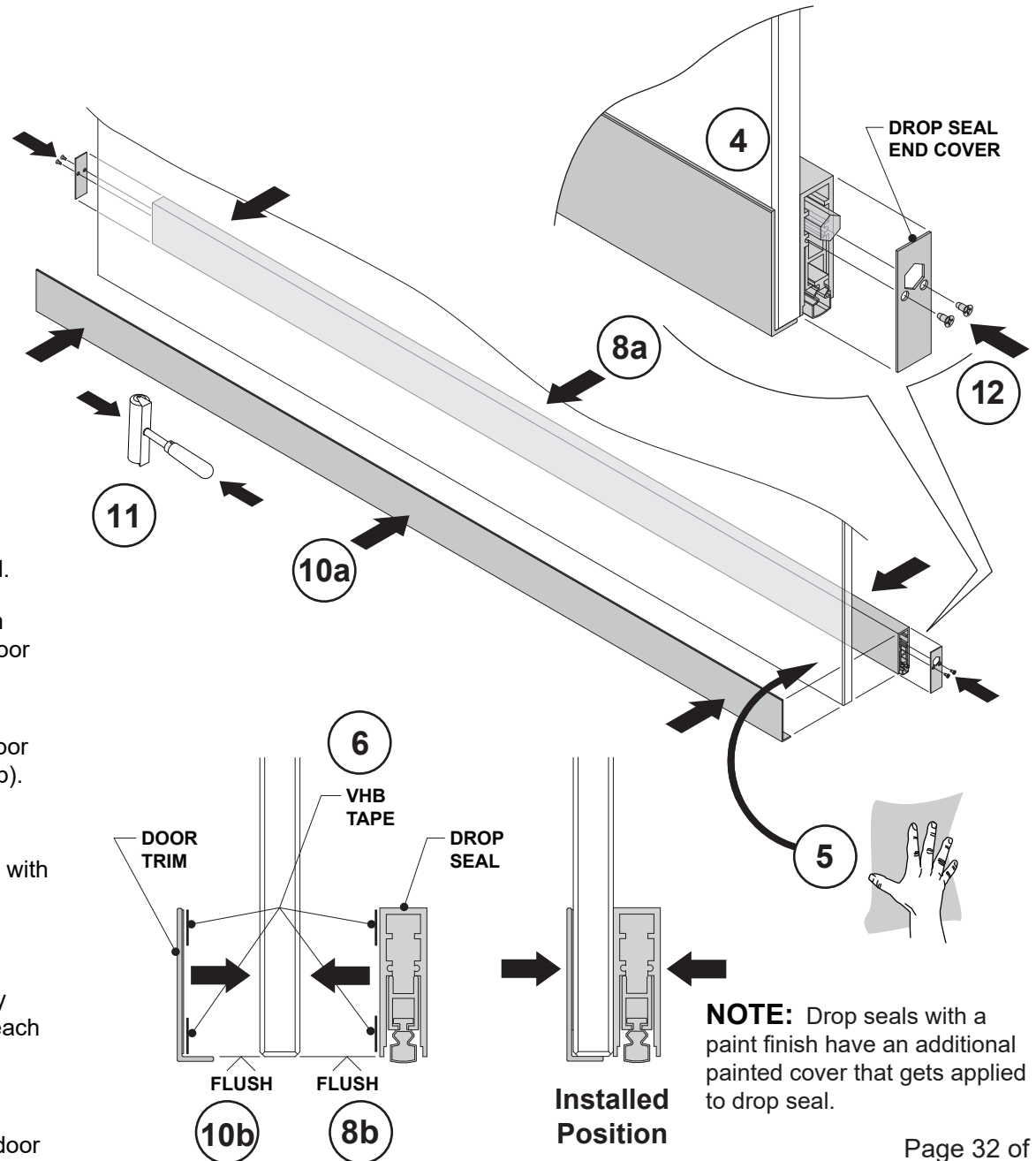
2. Reference manufacture's instructions.



Glass Door Drop Seal Installation

See page 33 for drop seal applications on unlevel floors.

- 1.** Activate drop seal to make sure that it works properly before installing it. Trim rubber seal to maximize its length without interfering with either end cap.
- 2.** Determine the door swing direction.
- 3.** Drop seal is applied to the inside of the door. (the side opposite the frame door stop.)
- 4.** Activation button end of drop seal is located on the hinge side of the door.
- 5.** Clean glass mounting surface with Isopropyl alcohol (both sides) where drop seal and door trim are to be applied.
- 6.** Apply 3M VHB adhesive tape flush to the top and bottom edges of the drop seal, along the surface facing the glass door
- 7.** Remove tape adhesive liner from drop seal.
- 8.** Apply drop seal (adhesive side) visually centered over door width (8a) and flush to the bottom edge of the glass door (8b).
- 9.** Remove tape adhesive liner on door trim.
- 10.** Apply door trim visually centered over door width (10a) with 90 degree flange flush to underside of glass door (10b). See page 34 for alignment of trim to door edge. When doors have slimline hinges.
- 11.** Secure the drop seal and door trim to the glass door by applying a roller and clamping pressure across the face of each part to ensure good adhesive bond to the glass.
- 12.** Install end covers.
- 13.** Follow the manufacture's instruction for completion of door seal installation.

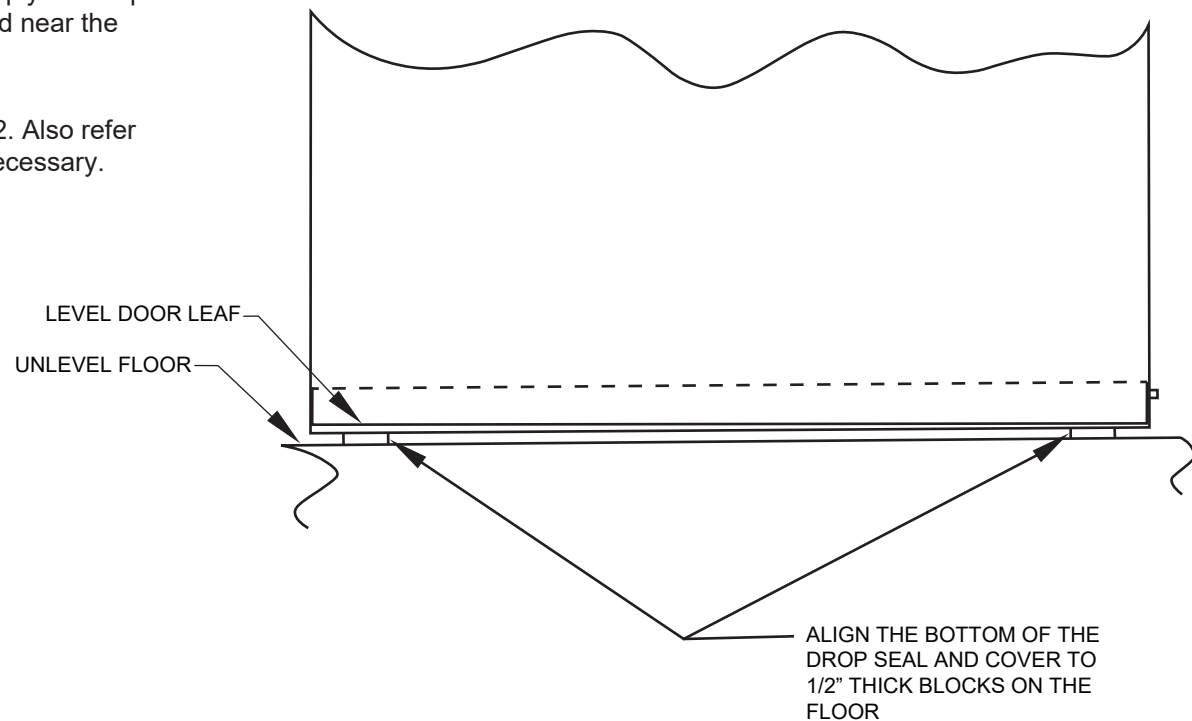


Glass Door Drop Seal Installation - Unlevel Floor Application

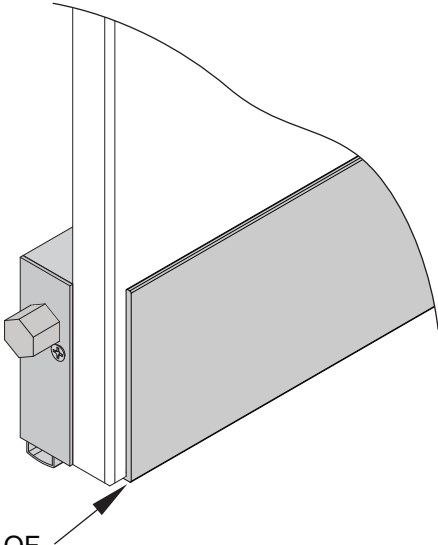
If floors are unlevel, follow steps 1 through 7 on page 32.

Alternate step 8. Instead of mounting drop seal and trim flush to the bottom of the glass leaf, while the door is near closed position but leaving enough room to apply the drop seal and cover, place 1/2" thick blocks of wood near the edges of the door leaf.

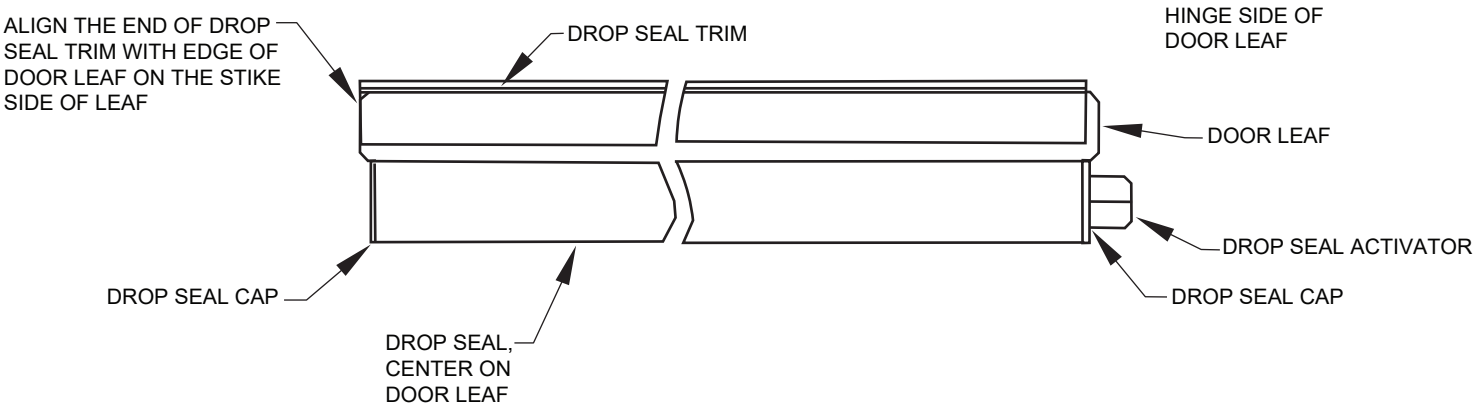
Continue with steps 9 through 13 on page 32. Also refer to page 34 for Slimline hinge applications if necessary.



**Glass Door Drop Seal Installation
FOR DOORS WITH SLIMLINE HINGES**

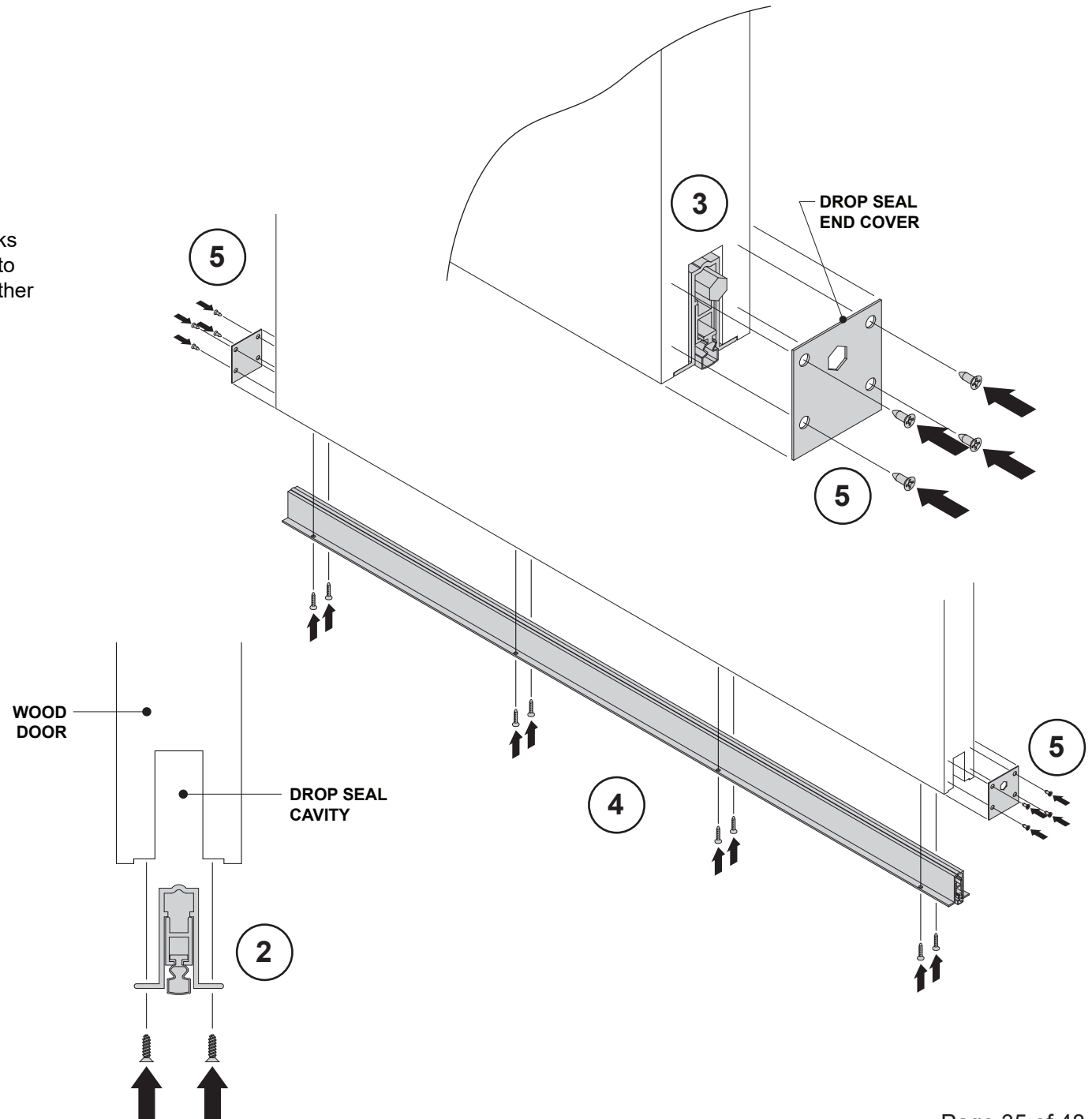


ALIGNING TRIM TO STRIKE SIDE EDGE OF
DOOR LEAF ALLOWS CLEARANCE FOR THE
HINGE SIDE DOOR JAM.



Solid Door Drop Seal Installation

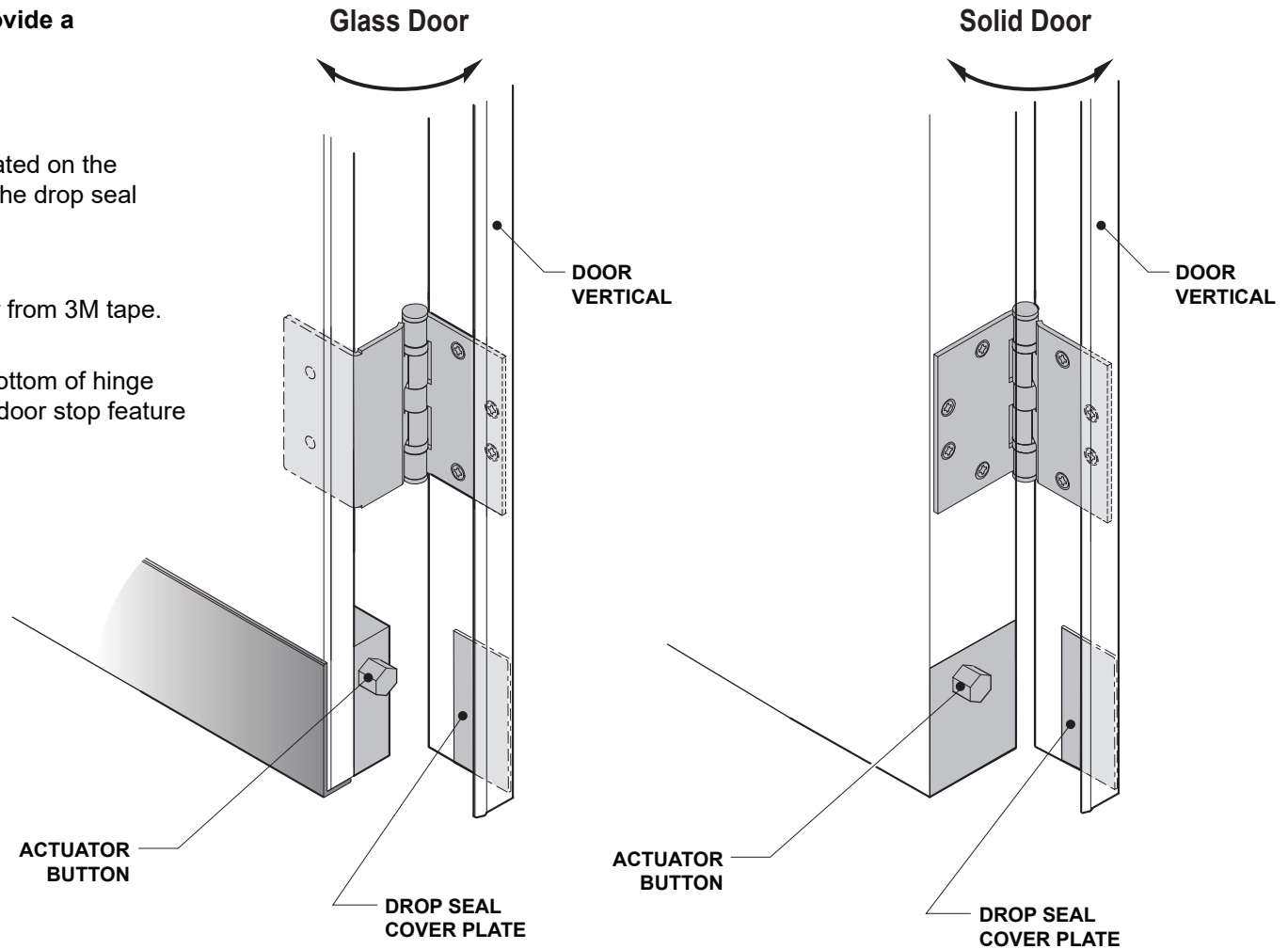
1. Activate drop seal to make sure that it works properly before installing it. Trim rubber seal to maximize its length without interfering with either end cap.
2. Determine the door swing direction.
3. Drop seal is applied to routed detail at bottom of door.
4. Activation button end of drop seal is located on the hinge side of the door.
5. Center drop seal over door width, secure with screws.
6. Install end covers.
7. Follow the manufacturer's instructions for completion of door seal installation.



Drop Seal Cover Plate Installation

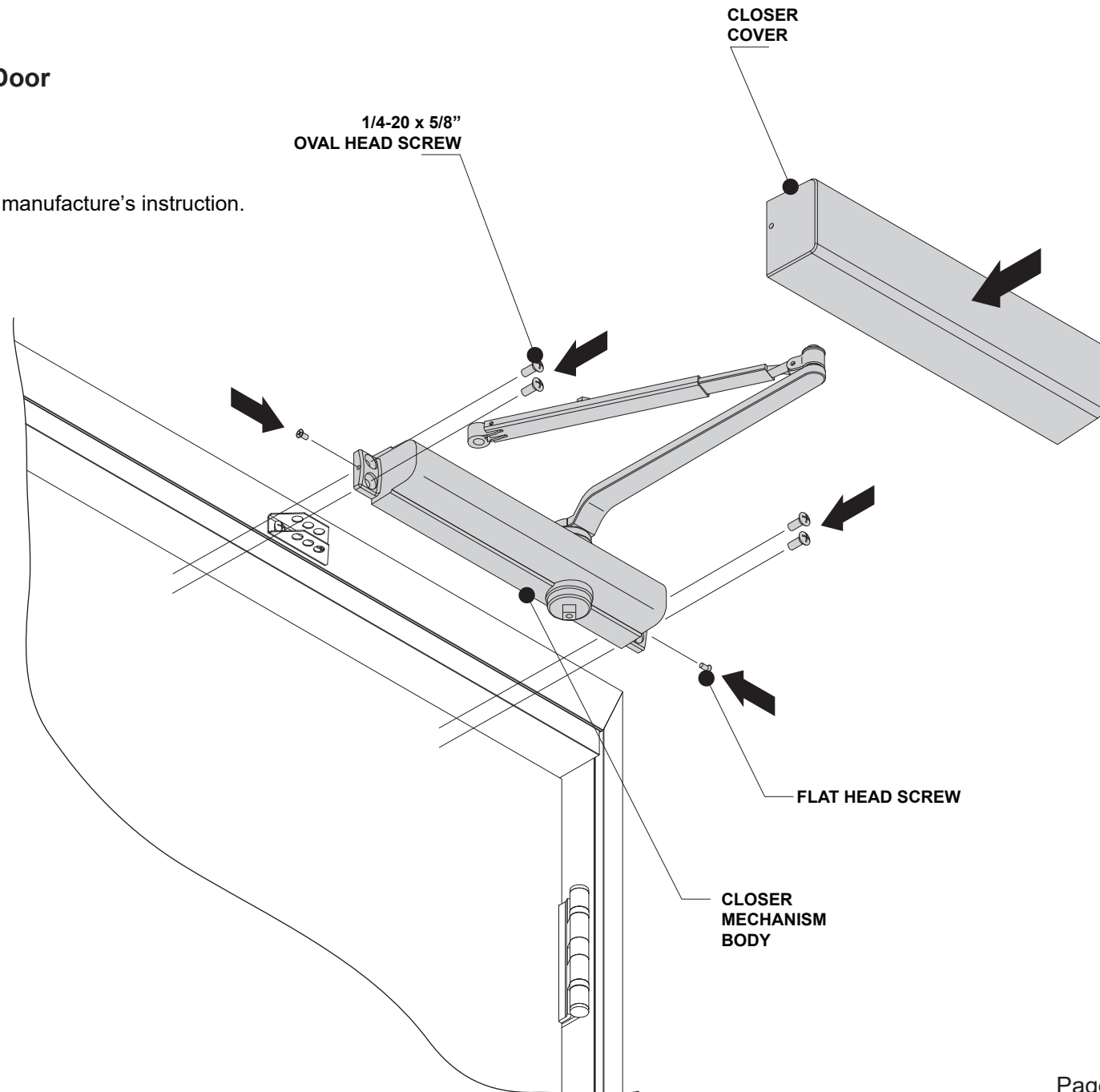
The drop seal cover plate is used with the drop seal (solid and glass) to provide a bearing surface for the drop seal activation button.

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.



Door Closer - Solid Wood Door Preparation & Installation

1. Install Closer assembly per the manufacture's instruction.



Adjustments Page

Door Closer Adjustment

1. Attach the main arm 90 degrees off the fixed header.
2. Attach the adjustable arm to the fixed header.
3. Adjust the adjustable arm to the desired door close position.

NOTE: Refer to manufacture's adjustments page for door closer settings.

(Use 1/8" Hex Wrench for these Adjustments)

Sweep

Latch

Backcheck

OPTIONAL DELAY ACTION

Adjust delay action accordingly to obtain desired delay time.

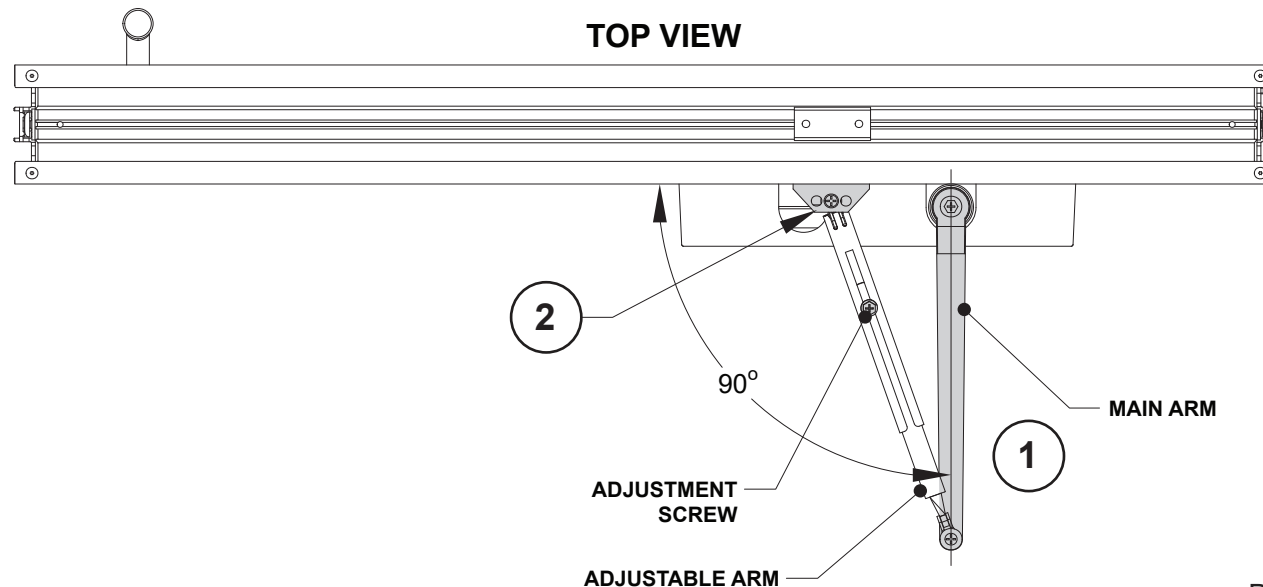
Spring Power Adjust

(Use 1/8 Hex Wrench for this Adjustment)

POWER ADJUSTMENT CHART

MAXIMUM DOOR WIDTH		FULL TURNS REQUIRED
EXTERIOR DOORS	INTERIOR DOORS	
8.5 lb-ft	34" (864)	5 TURNS C.W.
30" (762)	38" (962)	0 TURNS
36" (914)	48" (1219)	5 TURNS C.W.
42" (1067)	54" (1372)	9 TURNS C.W.

*15 Full (360°) turns maximum available Closer was set down as size 3 from the factory originally.



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**.

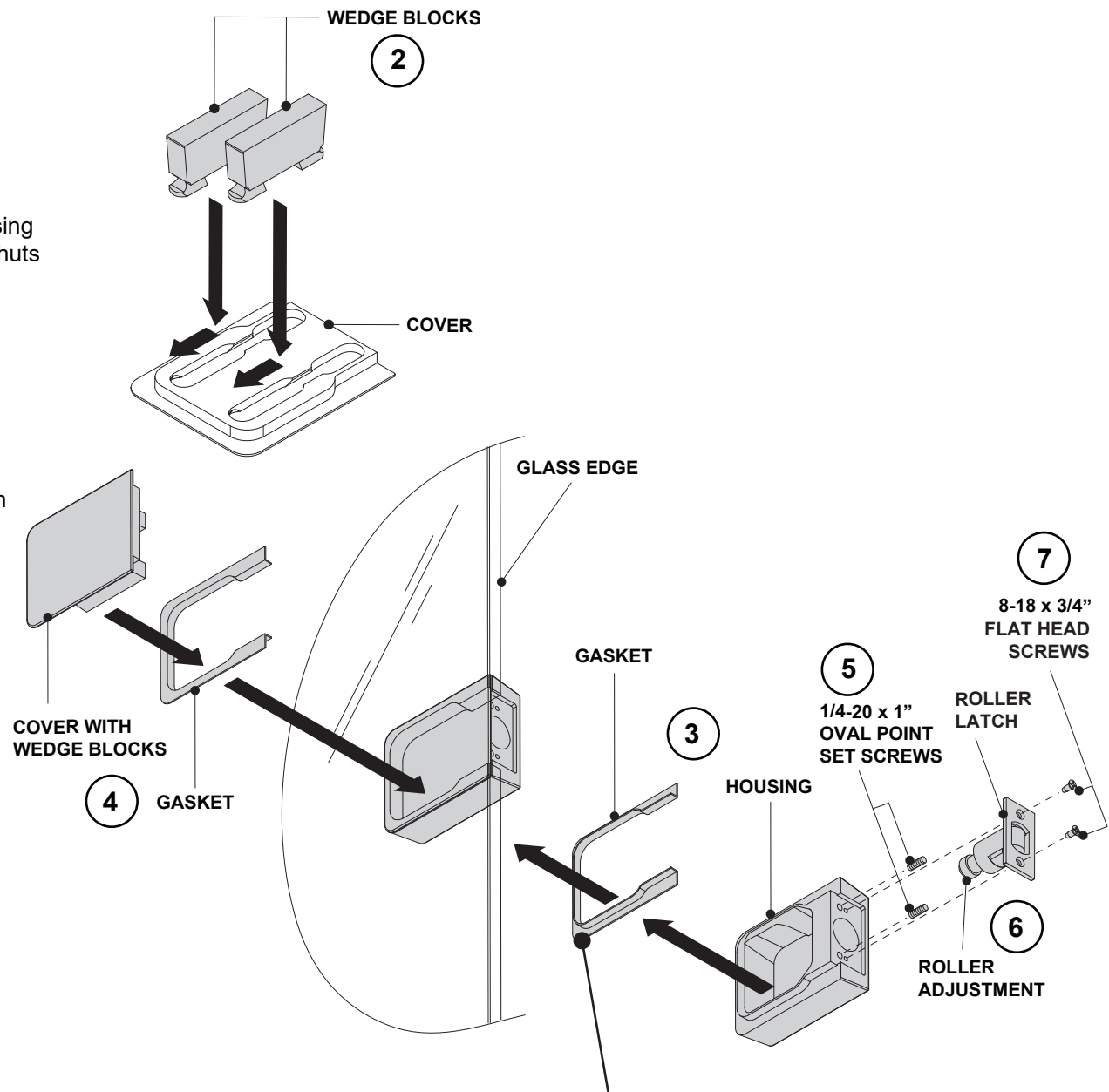
NOTE: It is important that **OVAL point set screws** be used to secure the cover and housing to the glass in order to avoid fit-up issues.

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

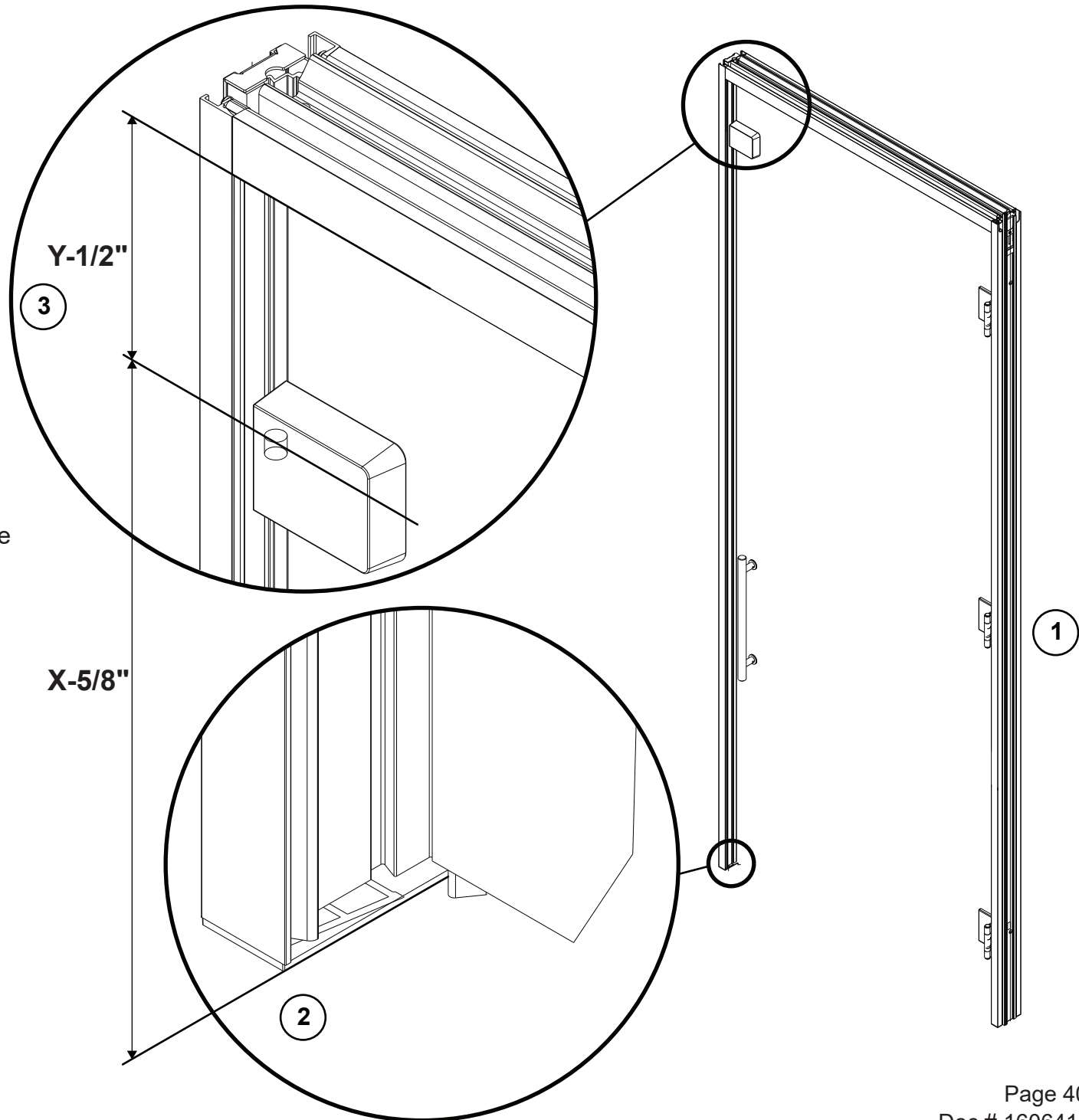
7. Secure the roller latch assembly to the housing with two (2) #8-18 flat head screws.



NOTE: For 10mm thick door leaves, use thicker gasket supplied with the hardware pack on this side of door.

For doors with roller latch.

1. Assembly frame and hang door leaf per previous pages, except do not install strike side cover.
2. With the door closed measure X from the top of the floor bracket to the center of the roller latch wheel. Subtract $5/8"$ from X. Cut strike side cover to length and debur.
3. Measure Y from center of the roller latch wheel to the bottom of the header. Subtract $1/2"$ from Y. Cut strike side cover to length and debur.

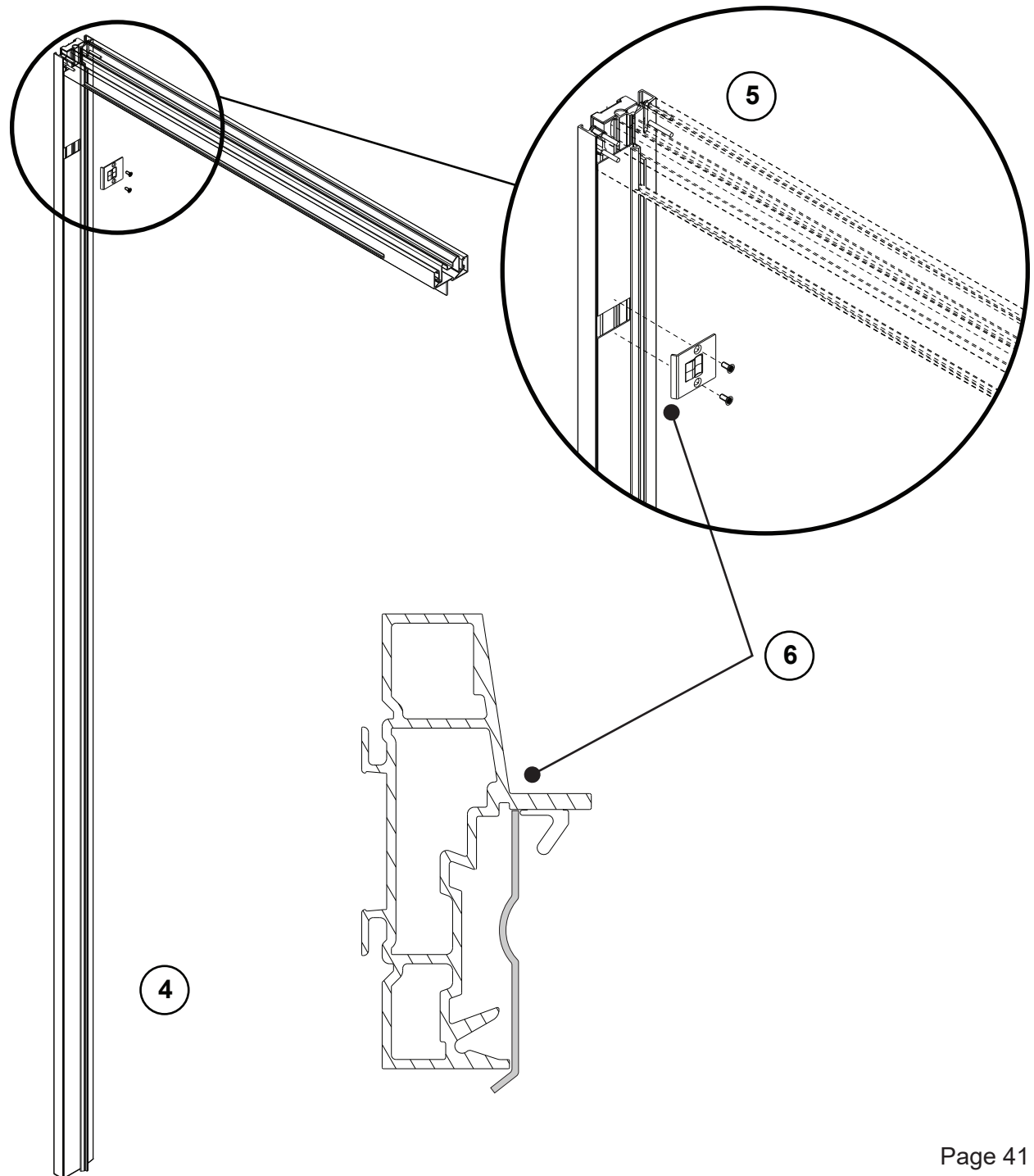


For doors with roller latch.

4. Open the door. Snap the bottom strike cover into place.

5. Insert top strike cover into vertical and push up into header to make a gap 1.25" between the top and bottom strike covers.

6. Align the strike plate to the vertical flange and between the strike covers making sure there is clearance for the bump on strike plate. Use two self tapping screws to secure strike plate.



For doors with electric strike

1. Follow steps from page X and Y to establish the length of the strike side vertical. After cutting vertical to length, measure and mark from the bottom of the vertical up dimension A and B:

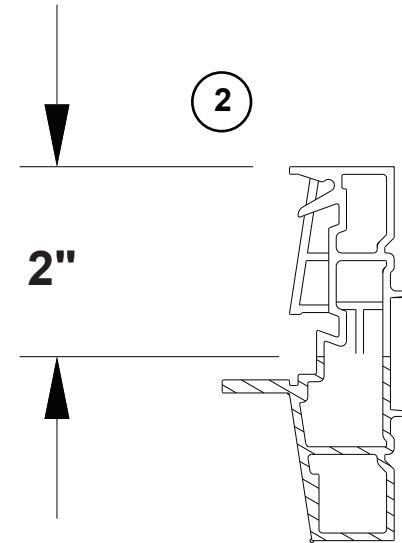
For Cylindrical Latch Set... A= 36-3/16" and B= 39-9/16"

For Mortise Latch Set... A= 36-1/16" and B= 39-7/16".

2. Cut a notch 2" deep, debur.

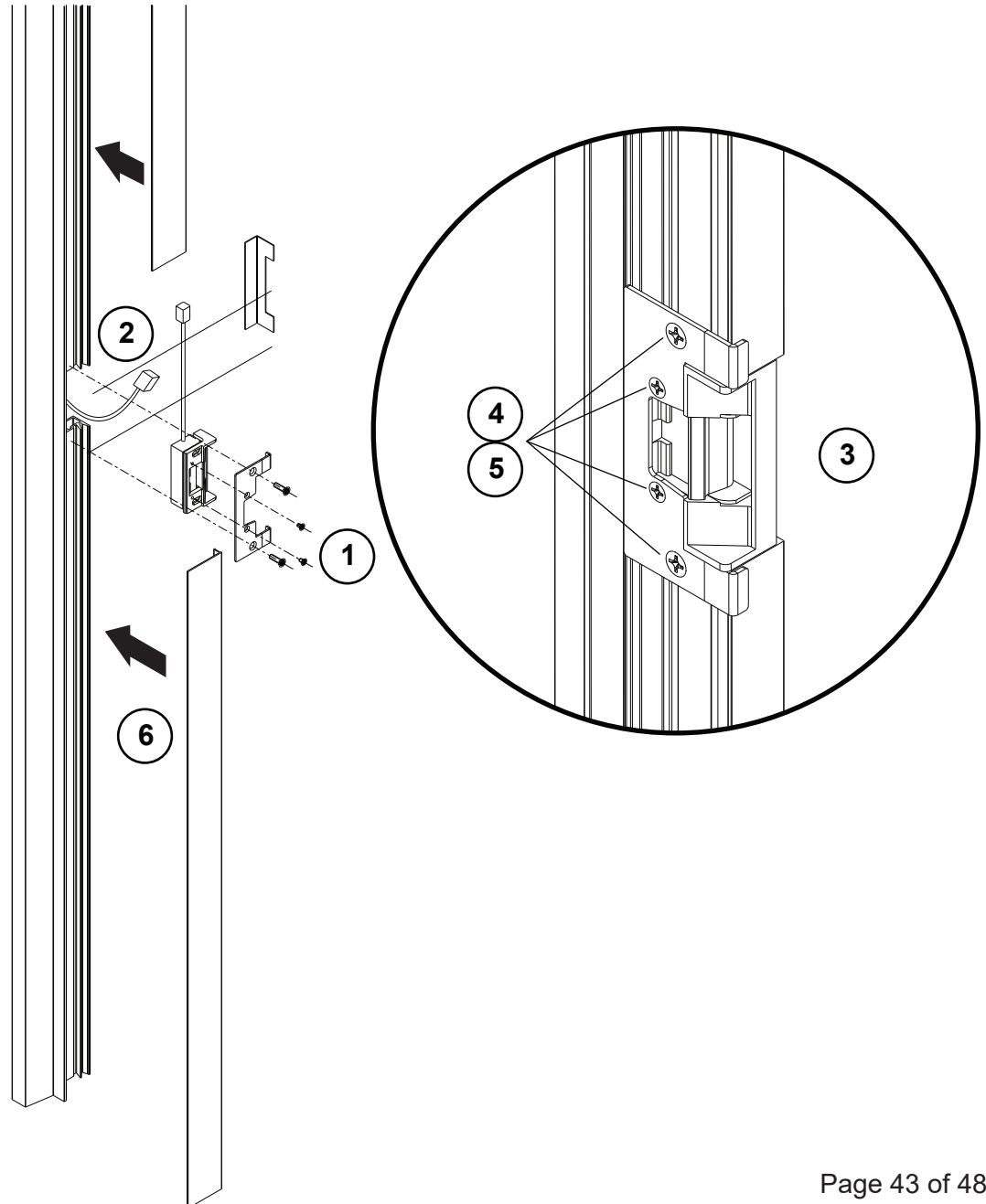
3. Assemble and install the frame per previous pages, except do not install strike side cover.

4. Fish the wiring for the electric strike to the notch area.

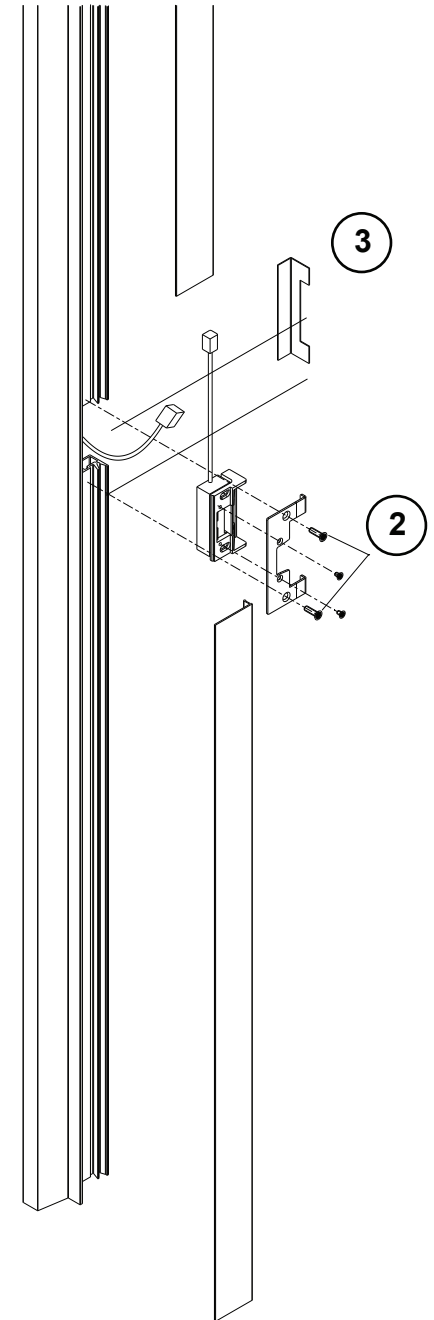


For doors with electric strike

1. Attach the strike plate to the electric strike with 2 screws.
2. Connect the electric strike to the wiring.
3. Feed the wiring back into the vertical notch and position the electric strike centered in the notch with the surfaces indicated flush.
4. Make location of strike plate mounting holes onto vertical.
5. Move the electric strike and drill 13/64th pilot holes for the strike plate mounting.
6. Cut one piece of strike side cover to 35-9/16" and snap into place

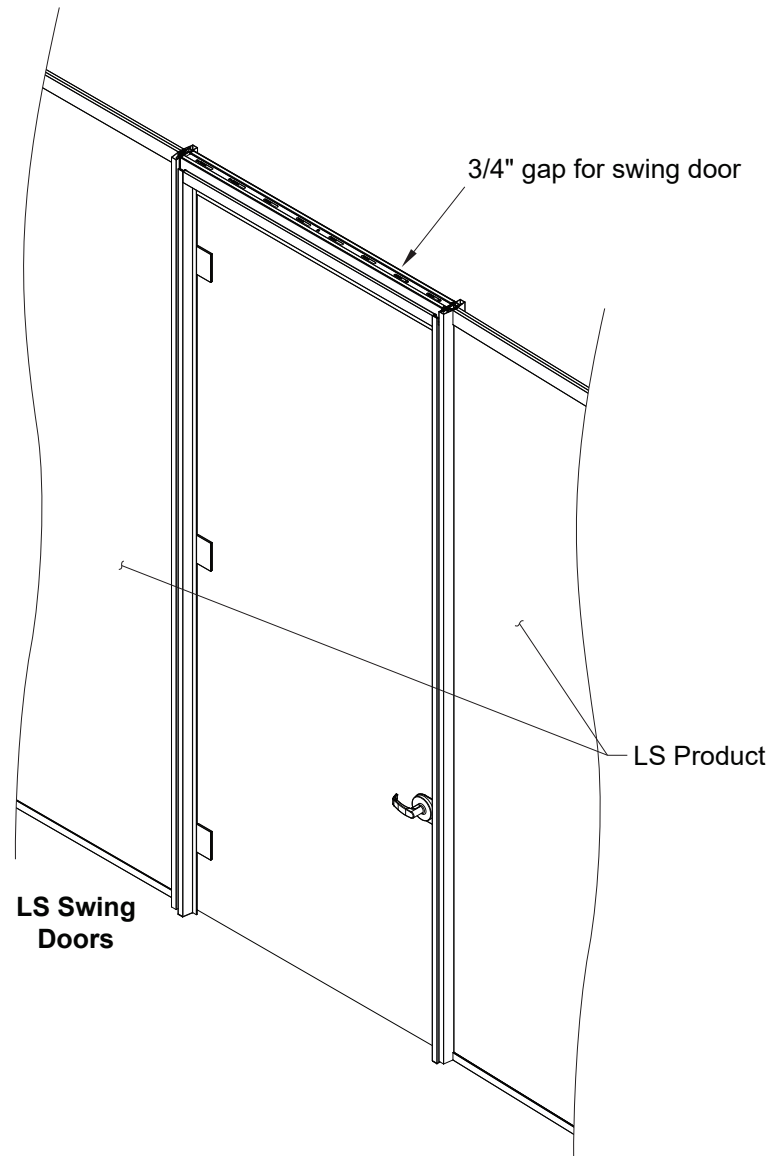


-



Lite Scale (LS) - Everwall General Information - Swing Door

1. LS Swing Doors are designed to be 1/2" taller than Standard Everwall Doors and will have an 3/4" gap between the header and ceiling when installed. Measure from floor to 3/4" below the ceiling for vertical measurement then continue with steps on page 9 to cut door verticals.
2. LS Swing Doors are installed under of a piece of Everwall Ceiling Track. Refer to assembly directions Doc # 163041 for Ceiling Track and LS assembly.

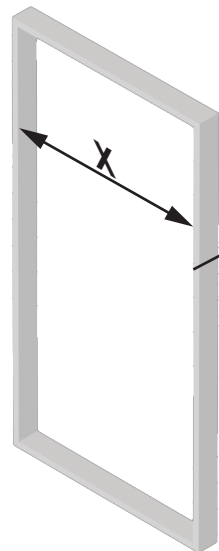


Short Ceiling Track conditions
Refer to assembly directions
Doc #163041 for Lite Scall
Ceiling Track condition.

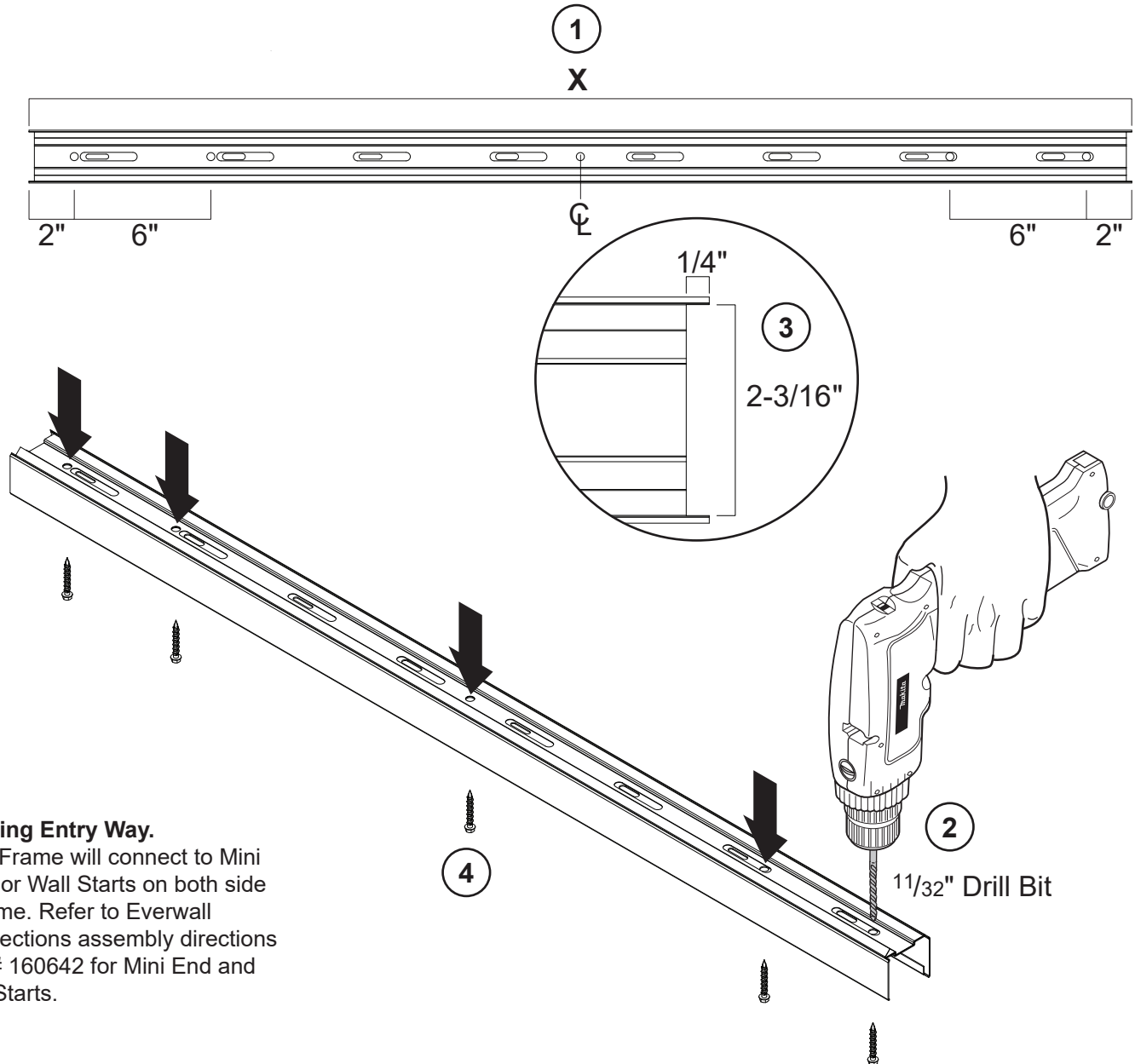
1. When Everwall Swing Door frame is used in a building entry way as shown, measure from drywall to drywall "X" and cut Ceiling Track to fit.

2. Drill mounting holes.

3. Mount to ceiling with (5) 5/16" lag bolts.



Building Entry Way.
 Door Frame will connect to Mini Ends or Wall Starts on both side of frame. Refer to Everwall Intersections assembly directions Doc # 160642 for Mini End and Wall Starts.



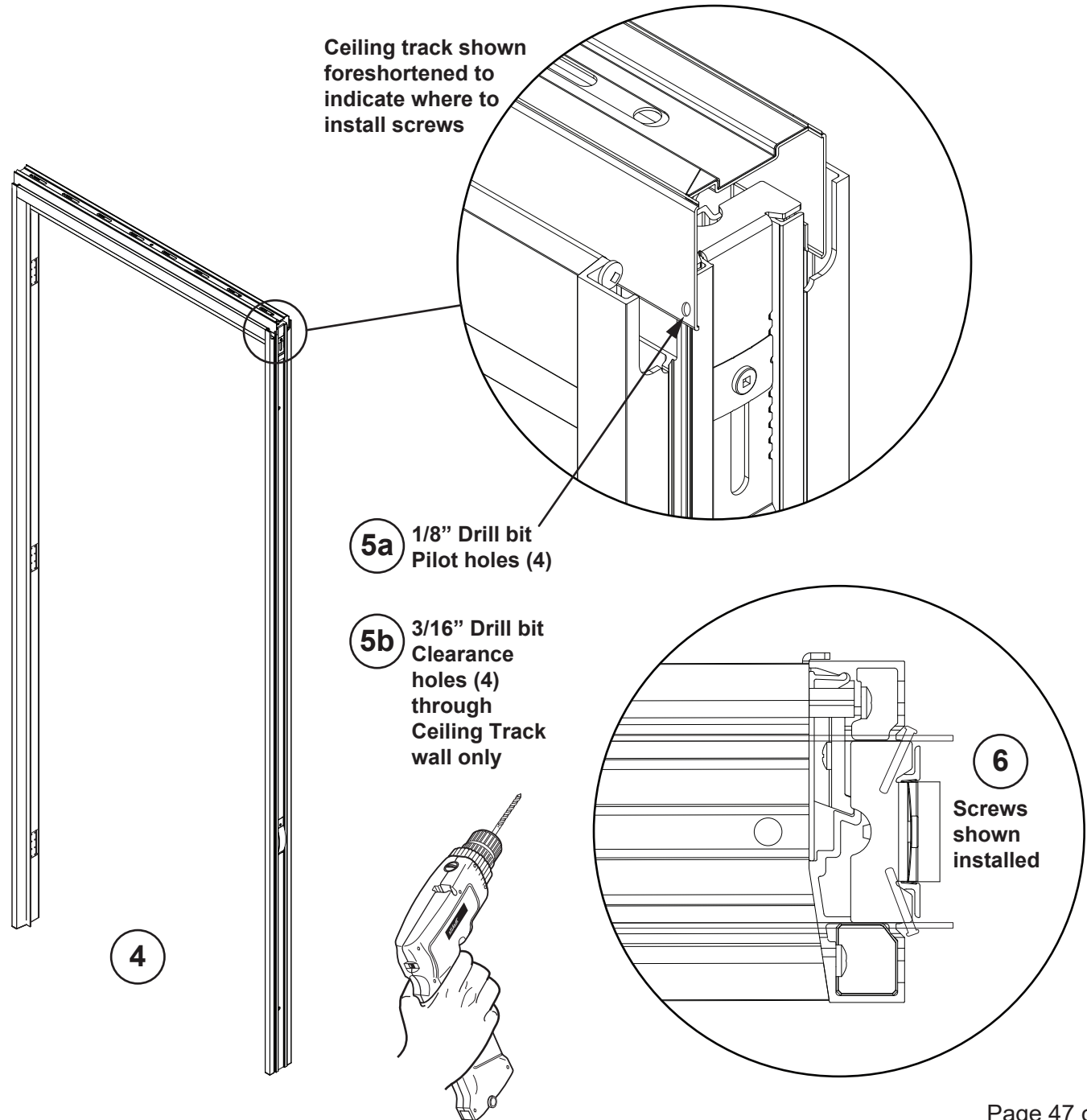
Short Ceiling Track conditions – Fixing Frame to Ceiling Track

4. Install Swing Door frame as described in this assembly direction or per assembly directions Doc #163041 for Lite Scale.

5a. With Swing Door Frame leveled and plumbed, drill 1/8" pilot holes in 4 places one either side of the ceiling track on both ends of the door frame. Angle the pilot holes toward the frame coupler groove as shown and drill through to the center if vertical.

5b. Drill 3/16" clearance holes through the ceiling track wall only in same 4 places.

6. Use (4) # 6 x 7/8" long screw to secure the door frame in place and prevent lateral movement in door operation.



Electric Hinge Application

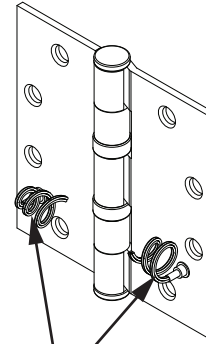
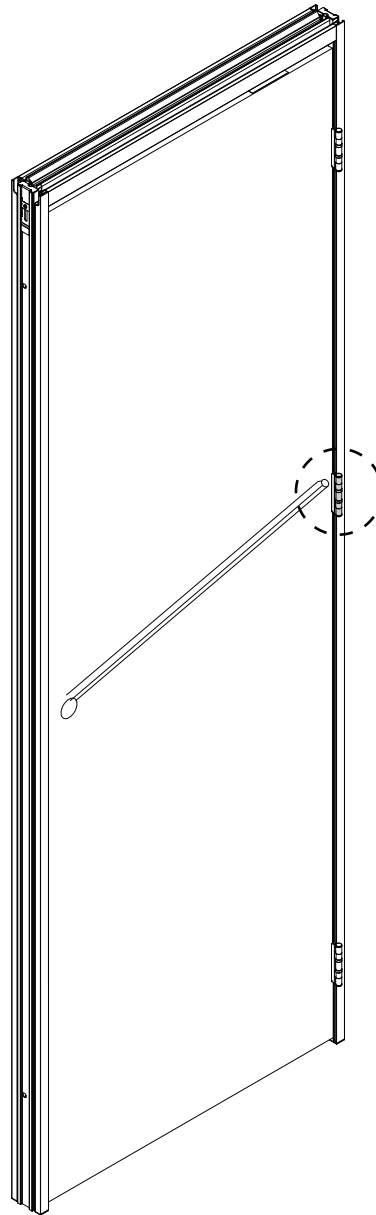
1. Electric hinge set comes with one electric hinge and 2 or 3 standard hinges. Wire leads are 8" long 4 wire and will require low voltage connections from qualified persons.

1A. Recommend 4' extensions lead added for leaf and 12' extension added for door frame prior to the installation of the hinge by others.

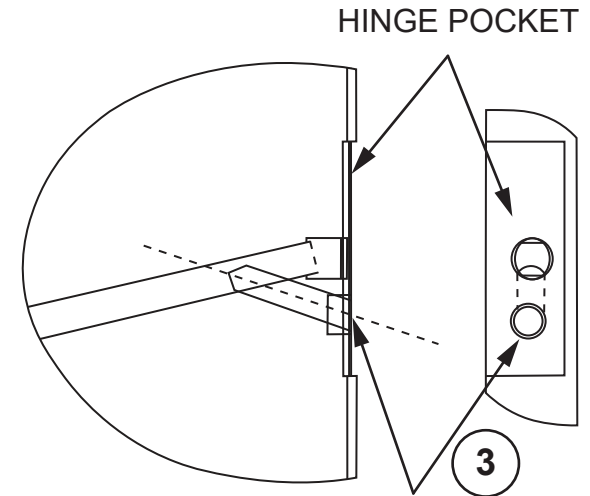
2A. Drill a 1/2" diameter hole through the hinge bracket in location shown.

2B. With hinge bracket installed in vertical drill through the hole just added in the hinge bracket. Angle the hole as shown to have the hole exit in between the frame coupling curls.

3. If necessary, drill a 1/2" hole as shown to allow clearance for the lead. Low voltage connections can be made and then install door.

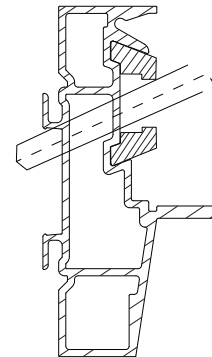


1A



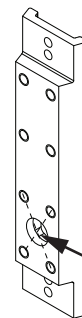
HINGE POCKET

DRILL 1/2" HOLE TO CONNECT WITH EXISTING WIRE ROUTING IN DOOR LEAF



2B

DRILL THRU THE VERTICAL AT AN ANGLE TO ALLOW FOR ROUTING LOW VOLTAGE LEAD TO IN BETWEEN THE FRAME COUPLING CURLS.



2A

1/2" Ø HOLE THRU BRACKET CENTERED ONE BOTTOM 4 TAPPED HOLES