



*Loewen*

# SWINGING SCREEN DOOR INSTALLATION GUIDE



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## IMPORTANT!

Read these instructions thoroughly before beginning to install your hinged screen door for the Inswing Terrace/French Door. Failure to install as recommended will void any warranty, written or implied. Regional applications and standards may vary; therefore Loewen is not responsible for interpretations of local codes and/or ordinances. Installation of Loewen products is the sole responsibility of the installer, contractor, structural engineer, architect, building owner and/or consumer. After installation is completed, these instructions should be retained by the building owner. For additional information, consult your local Loewen dealer.

## NOTICES AND INFORMATION:

Read these instructions in their entirety prior to installing doors.  
Contact Loewen at 1.800.563.9367 for clarification.

- Any local building code requirements supersede these recommended installation instructions.
- Building design, construction methods, building materials and site conditions unique to your project may require an installation method different from these instructions, and additional care.
- Remove shipping blocks and related staples prior to installation

### FOR TYPICAL WOOD FRAME CONSTRUCTION:

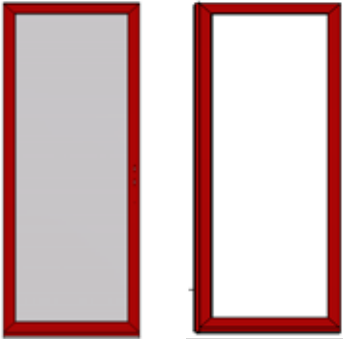



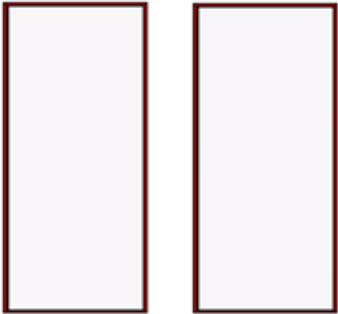




- These instructions were developed and tested for use with typical wood frame wall construction in a wall system designed to manage water, with a weather resistant barrier applied prior to the door installation.
- These instructions are not to be used with other construction methods.

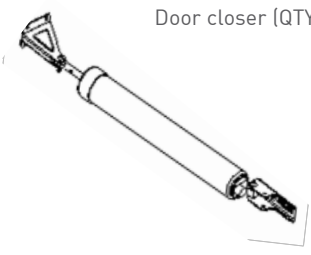
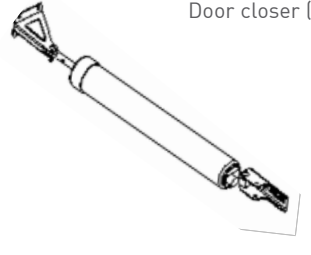


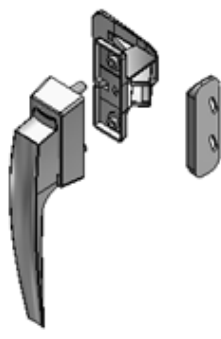
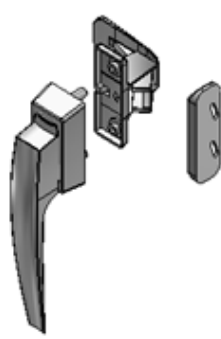
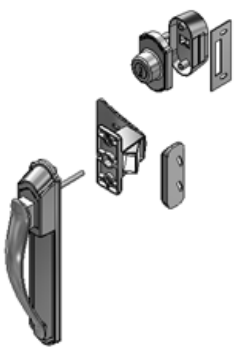
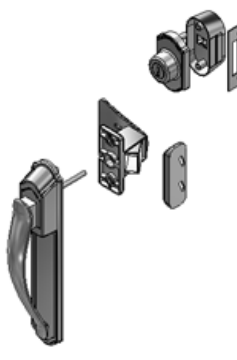




### PRECAUTIONS AND SAFETY:

- Do not work alone. It is recommended that at least two people work together to avoid personal injury or damage when working with doors.
- Use caution when handling glass. Broken or cracked glass can cause serious injury.
- Wear necessary protective gear (gloves, clothing, goggles, etc.).
- Secure tools, ladders or scaffolding. Follow equipment manufacturers' operation instructions, warnings and cautions.
- Secure and properly support the unit until completely fastened.

One screen door package will be provided per Terrace/French door. Ensure all necessary parts are included in the package. If replacement parts are required, please contact your local Loewen dealer.

Table 1: Parts Shipped for Terrace/French Door Inswing Screen Installation

	FRENCH DOOR	TERRACE DOOR
1	 <p>Active screen door panel (QTY: 1) Passive screen door panel (QTY: 1) (with astragal, flush bolts and lock keeper)</p>	 <p>Active screen door panel (QTY: 1) A. Screen door frame - Head (QTY: 1) B. Screen door frame - left jamb (with hinge leafs) (QTY: 1) C. Screen door frame - right jamb (with hinge leafs) (QTY: 1)</p>
2	 <p>Screen insert panel (QTY: 2)</p>	 <p>Screen insert panel (QTY: 1)</p>
3	 <p>Storm insert panel (optional) (QTY: 2)</p>	 <p>Storm insert panel (optional) (QTY: 1)</p>
4	 <p>A. Screen door frame - Head (QTY: 1) B. Hinge jamb (with hinge leafs) (QTY: 1) C. Lock jamb (QTY: 1)</p>	 <p>A. Screen door frame - Head (QTY: 1) B. Hinge jamb (with hinge leafs) (QTY: 1) C. Lock jamb (QTY: 1)</p>
5	<p>Strike plate (QTY: 2)</p> 	

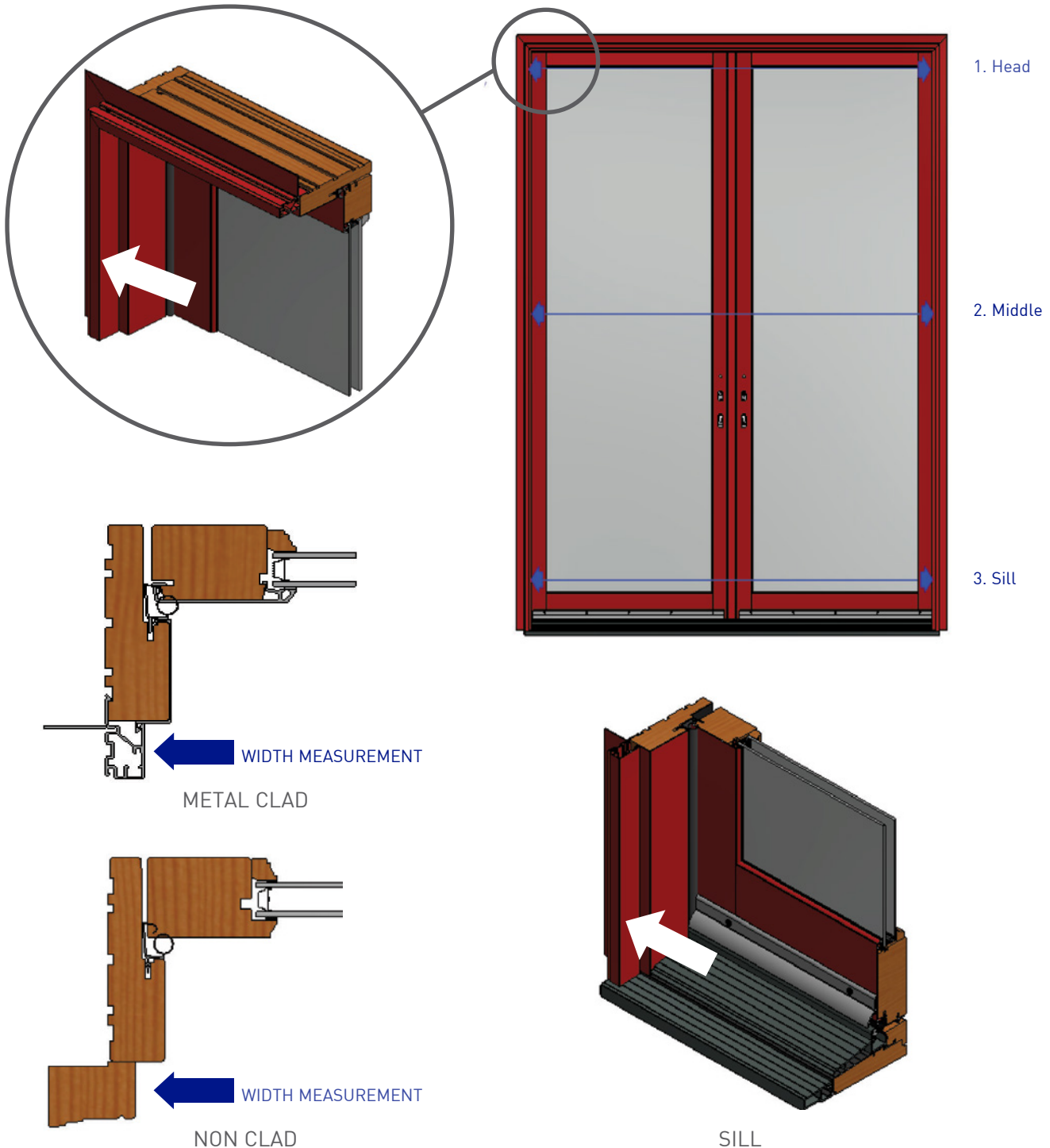
6	 <p>Door closer (QTY: 4)</p>	 <p>Door closer (QTY: 2)</p>
7	 <p>K-Lathe screw #8x5/8" (QTY: SIZE DEPENDANT)</p> <p>Flat Head screw #6x3/4" (QTY: 4)</p>	 <p>K-Lathe screw #8x5/8" (QTY: SIZE DEPENDANT)</p>
8	 <p>Latch handle - Concord (Standard) (QTY: 1)</p>	 <p>Latch handle - Concord (Standard)(QTY: 1)</p>
9	 <p>Latch handle - Thompson (Optional) (QTY: 1)</p>	 <p>Latch handle - Thompson (Optional) (QTY: 1)</p>
10	 <p>Latch handle - Tampa (Optional) (QTY: 1)</p>	 <p>Latch handle - Tampa (Optional) (QTY: 1)</p>
11	 <p>Shim 80mmx33mmx1.6mm(QTY: 19)</p>	 <p>Shim 80mmx33mmx1.6mm(QTY: 19)</p>

# INSTRUCTIONS FOR SCREEN/STORM DOORS ORDERED TOGETHER WITH TERRACE DOORS

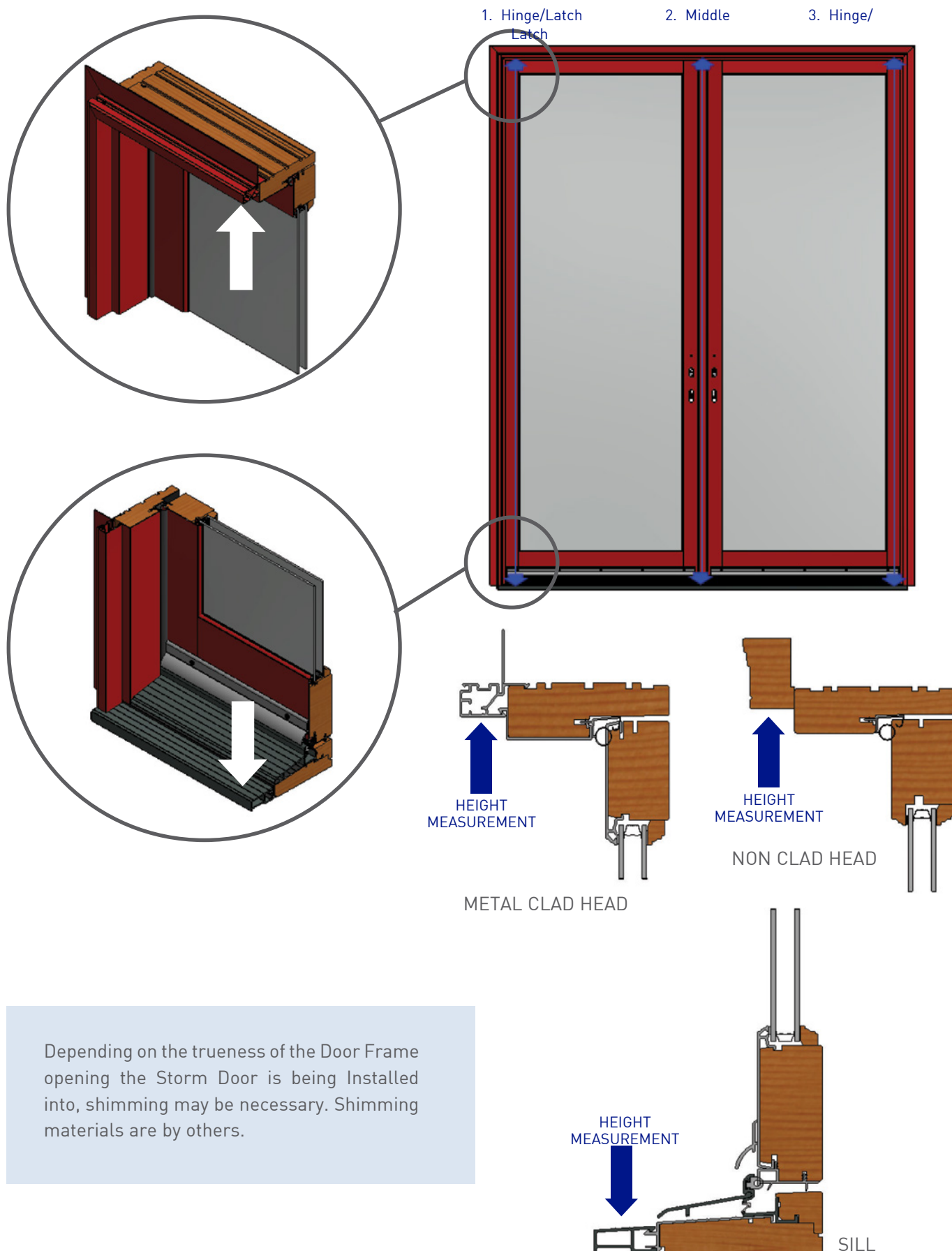
Screen/Storm doors ordered together with Terrace door.

## STEP 1: MEASURING THE OPENING FOR THE STORM DOOR

Width: From the exterior, measure the width of the Door Frame opening - between the Side Frame Cladding (metal clad units) or between Side Casing (non-clad units) of the Door Frame. Take this measurement at three locations, head (top), middle and sill (bottom).



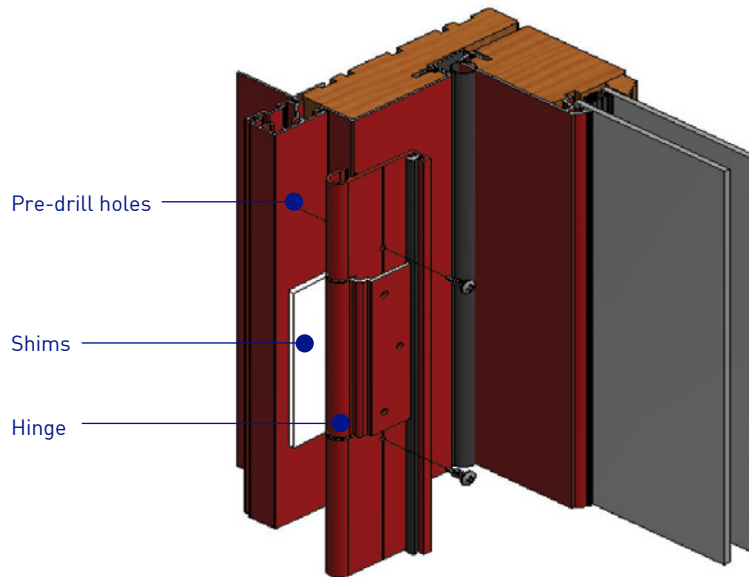
Height: From the exterior, measure the height of the Door Frame opening – from the Frame Head Cladding or Casing and the sill of the door. Take this measurement at three locations, at the latch side, middle and hinge side.



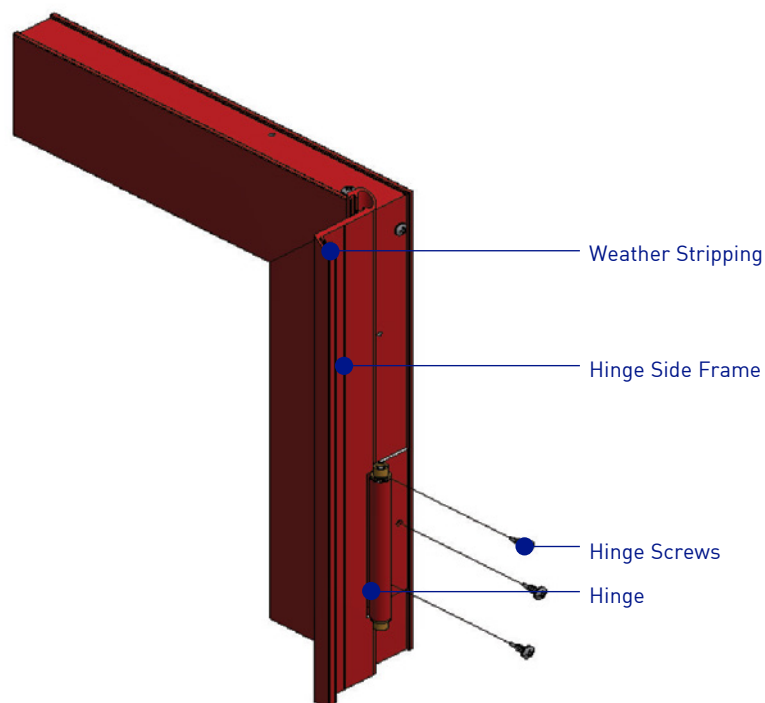


## STEP 2. SECURING STORM DOOR HINGE SIDE FRAME INTO DOOR FRAME

1. If shims are necessary, attach shims to the Door Frame opening using tape so they remain in place while pre-drilling the mounting holes. Shims should be placed behind each hinge and each mounting hole location in the Storm Door Frame.

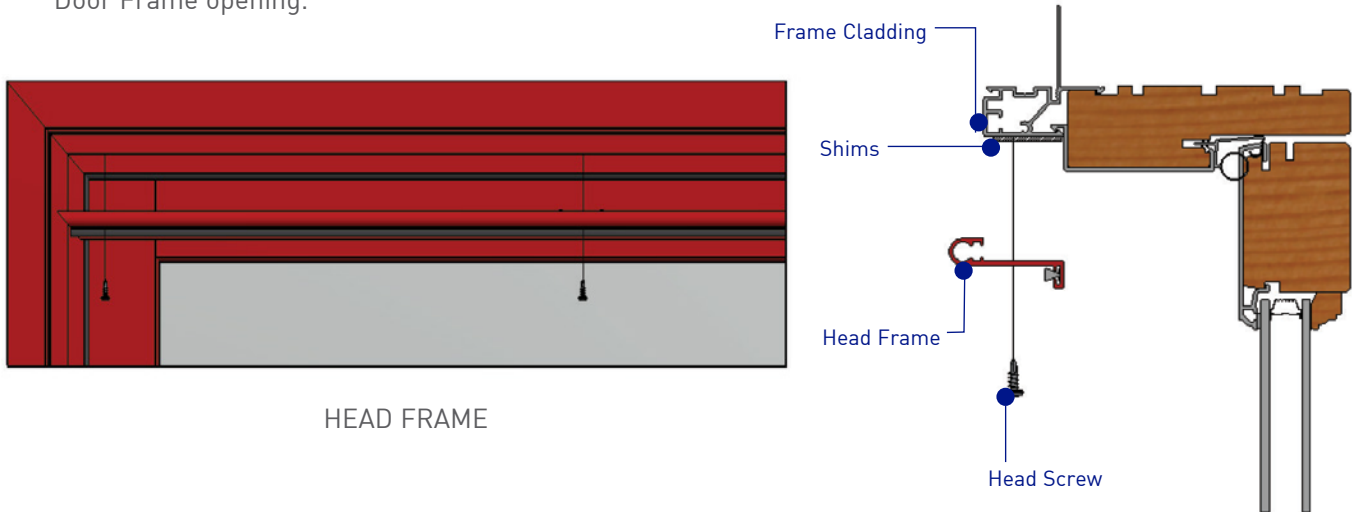


2. With the smallest width dimension in mind from Step 1, shim as necessary between the Storm Door Frame and Door Frame to ensure that the reveals between the Storm Door panel and Frame are even and consistent.
3. Place Storm Door's 'Hinge Side Frame' into the Door Frame opening and mark the pre-drilled holes. Then remove the 'Hinge Side Frame' and attach the Hinge Leaves to the Storm Door Panel using the screws and pre-drilled holes provided. Drill the holes marked in the 'Pre-fit' step above. Place the Storm Door Panel and 'Hinge Side Frame' assembly into the Door Frame opening and secure through the pre-drilled holes with the supplied screws ensuring the panel is plumb and the Storm Door Frame is shimmed as required.



### STEP 3. SECURING STORM DOOR HEAD FRAME INTO DOOR FRAME

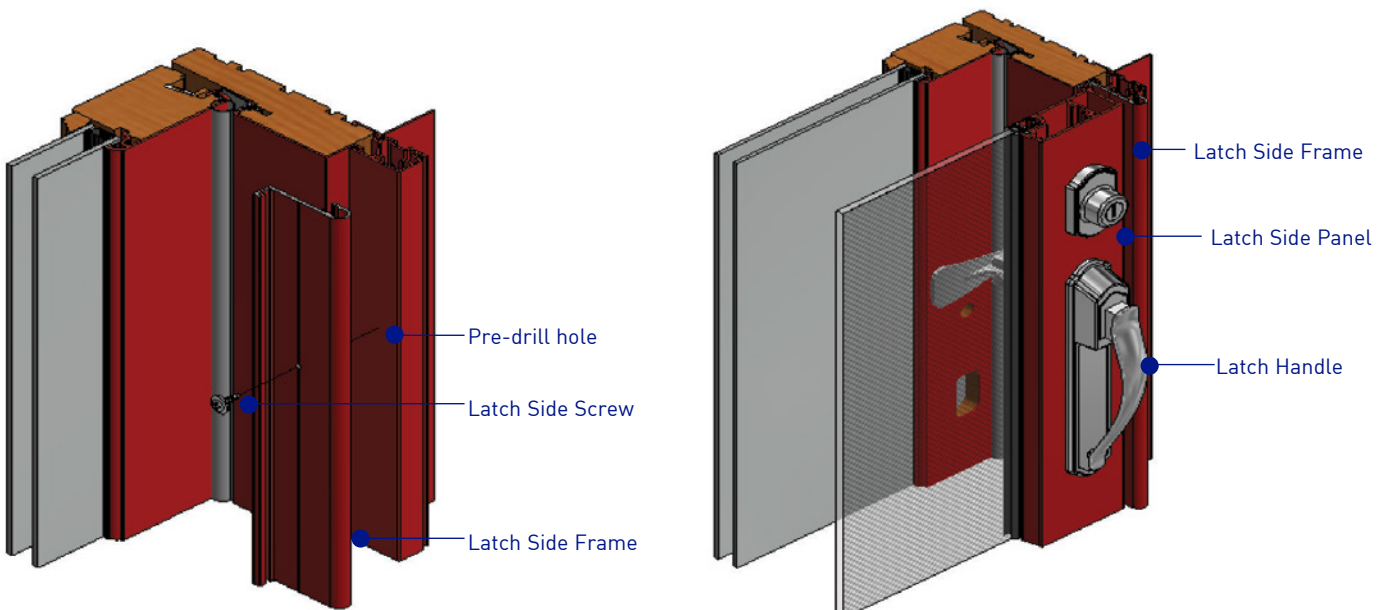
1. If shims are necessary, attach shims to the Door Frame opening using tape so they remain in place while pre-drilling the mounting holes in the Door Frame. Shims should be placed at each mounting hole location in the Storm Door Frame.
2. With the smallest height dimension in mind from Step 1, shim as necessary between the Storm Door Frame and Door Frame opening to ensure that the reveals between the Storm Door Panel and Frame are even and consistent. Place Storm Door 'Head Frame' into Door Frame opening and pre-drill into Door Frame using the holes in the Storm Door Frame as a guide. Using screws provided, secure Storm Door 'Head Frame' to the Door Frame opening.



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### STEP 4. SECURING STORM DOOR LATCH SIDE FRAME INTO DOOR FRAME

1. If shims are necessary, attach shims to the Door Frame opening using tape so they remain in place while pre-drilling the mounting holes in the Door Frame. Shims should be placed at each mounting hole location in the Storm Door Frame.
2. Shim as necessary between the Storm Door 'Latch Side Frame' and Door Frame opening to ensure that the reveals between the Storm Door Panel and Frame are even and consistent. Place Storm Door 'Latch Side Frame' into Door Frame opening and pre-drill into Door Frame using the holes in the Storm Door Frame as a guide. Using screws provided, secure Storm Door 'Latch Side Frame' to Door Frame.



## STEP 5. STRIKE PLATES INSTALLATION (FRENCH DOORS ONLY)

1. Install the two strike plates by using 2 flat head screws per strike plate.

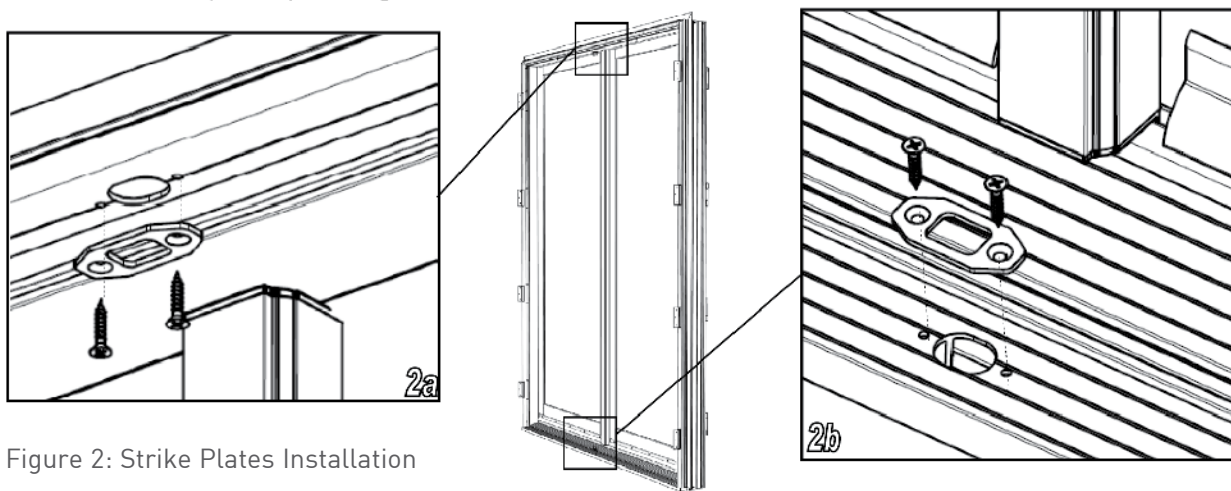


Figure 2: Strike Plates Installation

## STEP 6. SCREEN PANEL INSTALLATION

1. Secure screen door panel on the hinge leafs of screen door frame using pan head screws. See Figure 3a.

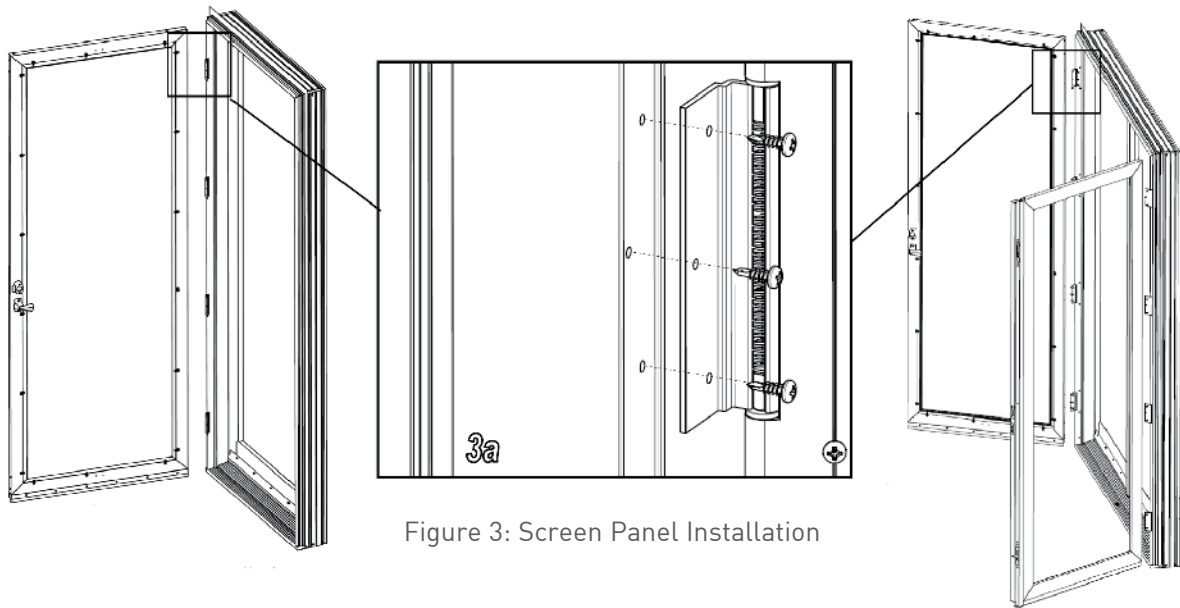
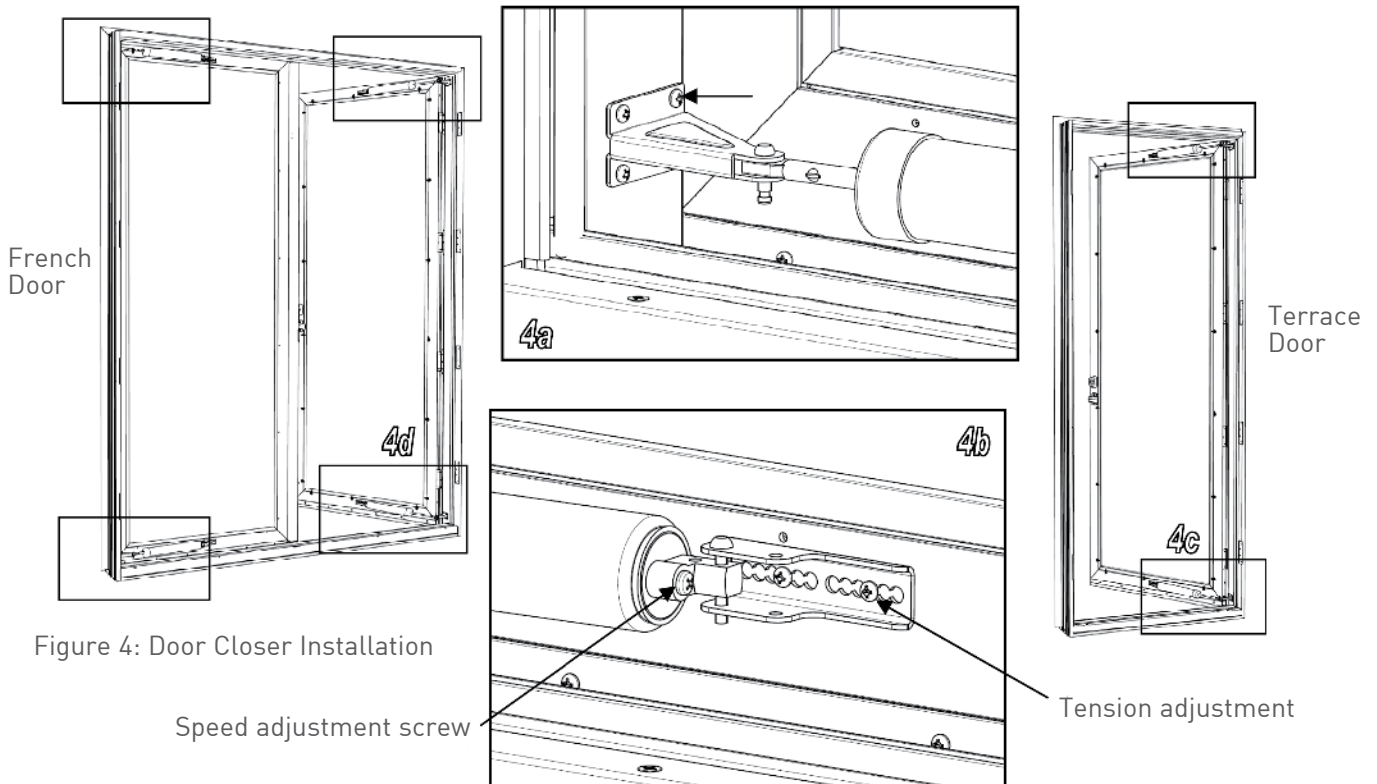


Figure 3: Screen Panel Installation

## STEP 7. DOOR CLOSER INSTALLATION

1. Secure door closers on screen door panels and jambs by screwing pan head screws into predrilled holes. See Figure 4a. Assemble the two door closers for Terrace door/four closers for French door. See Figure 4a and 4b.
2. Adjust closing tension by moving the closer door bracket along tension adjustment slot and then tighten screw. See Figure 4b.
3. Closing speed adjustment is made by tightening or loosening speed adjustment screw on cylinder. See Figure 4b.
4. Open and close door to verify operation.
5. Figure 4d and 4c show door closer placement for the French Door and the Terrace Door respectively.



## STEP 8. LATCH HANDLE INSTALLATION

1. Refer to instruction provided with latch handle kit.  
See Figures: 5a – Concord 5b – Thompson – 5c Tampa
2. Fasten Latch Handle into predrilled holes.

### Involved items:

- Handle
- Handle spindle & spring
- Inside latch
- Key lock (Thompson, Tampa)
- Key lock spindle (Thompson, Tampa)
- Deadbolt (Thompson, Tampa)
- Backplate (Thompson, Tampa)
- Screws (included in handle kit)

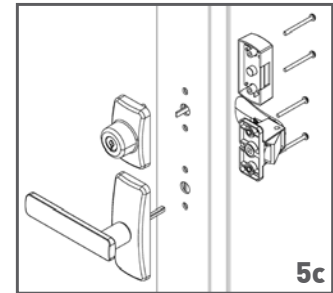
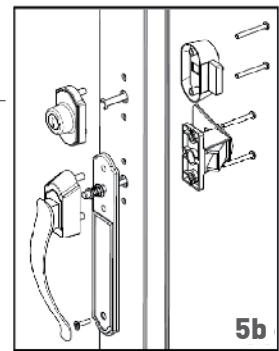
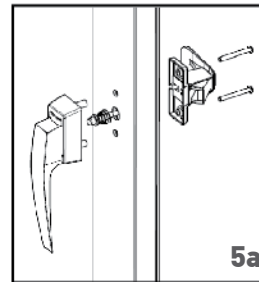


Figure 5:  
Latch Handle Installation

## STEP 9. DOOR/LOCK KEEPER INSTALLATION (TERRACE DOOR)

1. Refer to instruction provided with latch handle kit.  
See Figure: 6a – Concord, 6b – Thompson
2. Fasten Door/Lock Keeper into predrilled holes.

### Involved items:

- Latch keeper
- Lock keeper (Thompson, Tampa)
- Screws (included in handle kit)

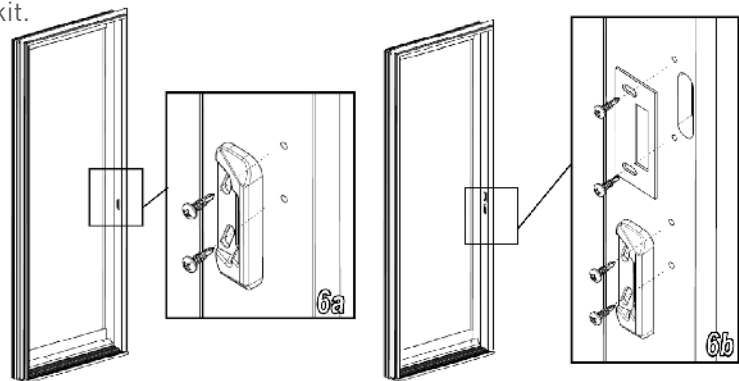


Figure 6: Latch & Lock Keeper Installation

## STEP 10. SCREEN AND STORM PANEL INSERT INSTALLATION

1. Turn all clips away from the insert cavity of screen door panel. See Figure 7a.
2. Secure screen (or storm panel) insert panel into screen door panel.
3. Turn all clips against screen (or storm) insert panel. See Figure 7b.

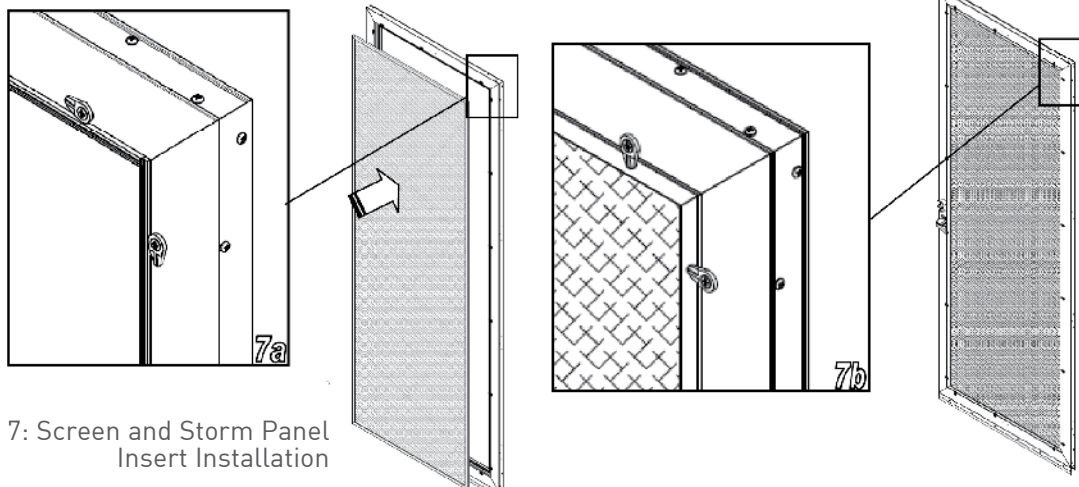


Figure 7: Screen and Storm Panel  
Insert Installation



## ON-SITE RETROFIT INSTRUCTIONS

The following section contains information and instruction of the retrofitting of units purchased without the screen option to be compatible with the screen option detailed in the previous section. Once steps 1b and 2b have been completed proceed with steps 1a through 7a in the previous section.

### 1A JAMB DRILLING DETAILS FOR ON-SITE RETROFIT (TERRACE DOOR)

1. Trim and fold each template. (French door: 4 templates; Terrace door: 2 templates).
2. Attach folded templates against the inside walls of the door frame. See Figure 8a & 8b. Templates found on following page.
3. Drill 3 mm [1/8"] holes in jambs as shown on templates.
4. Before templates are used ensure that sheet scale is accurate by using a tape measure to ensure that the dimensioned lines are to scale.

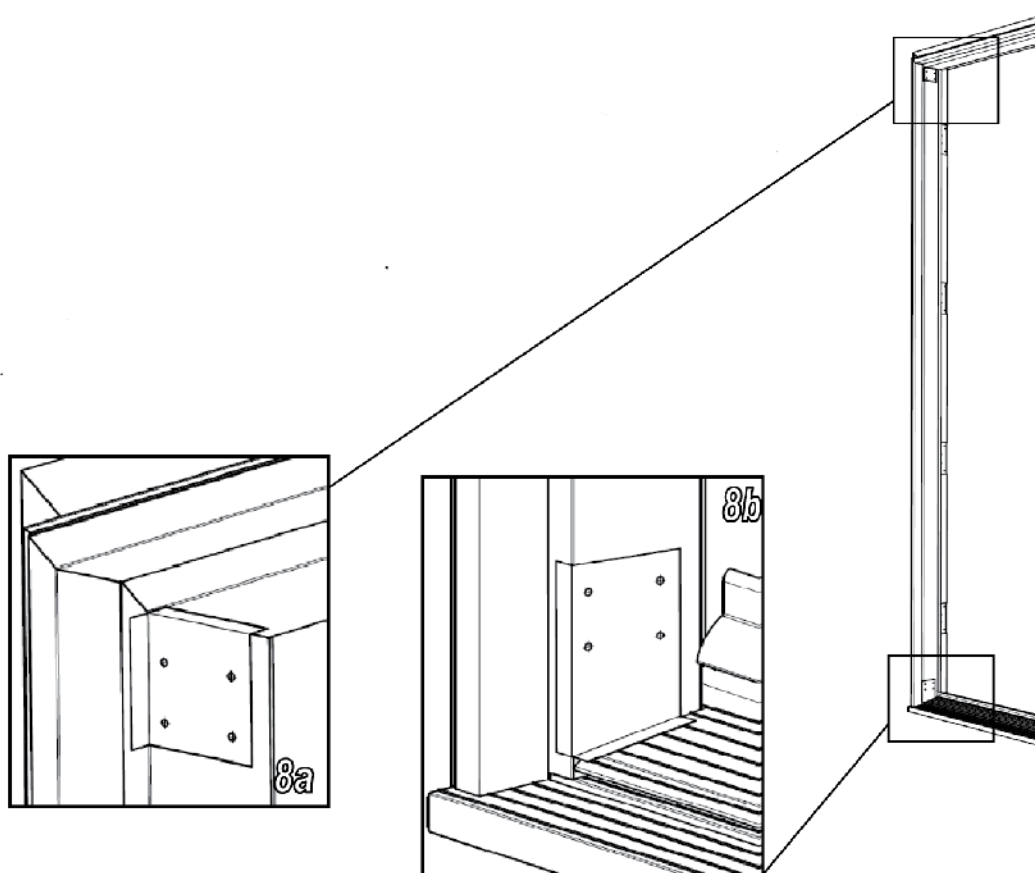
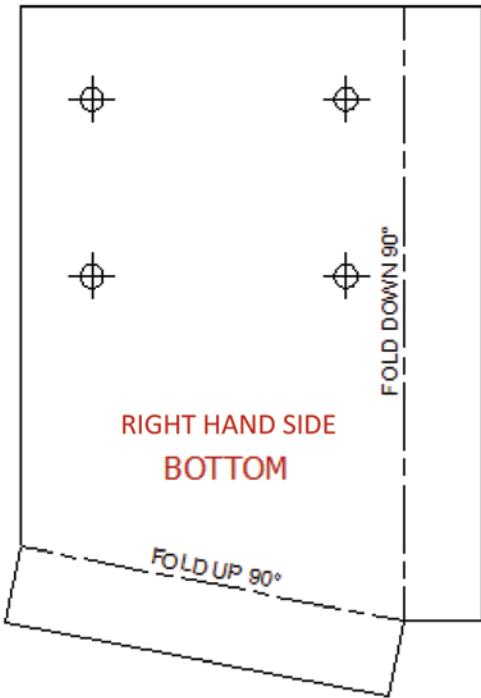
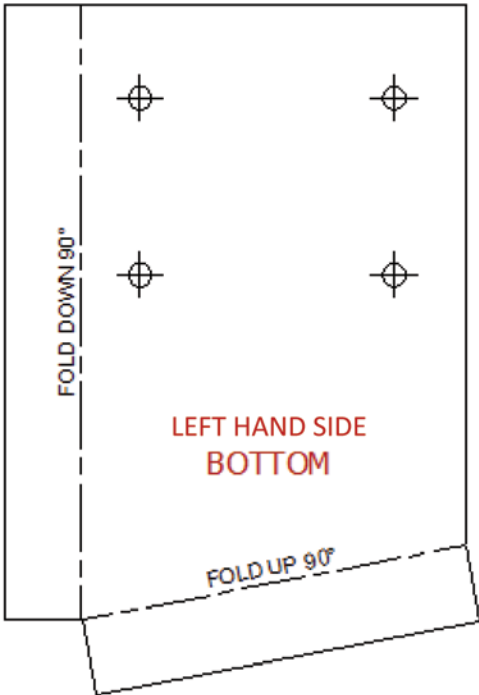
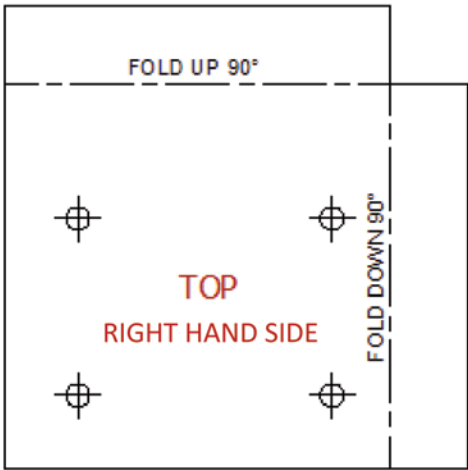
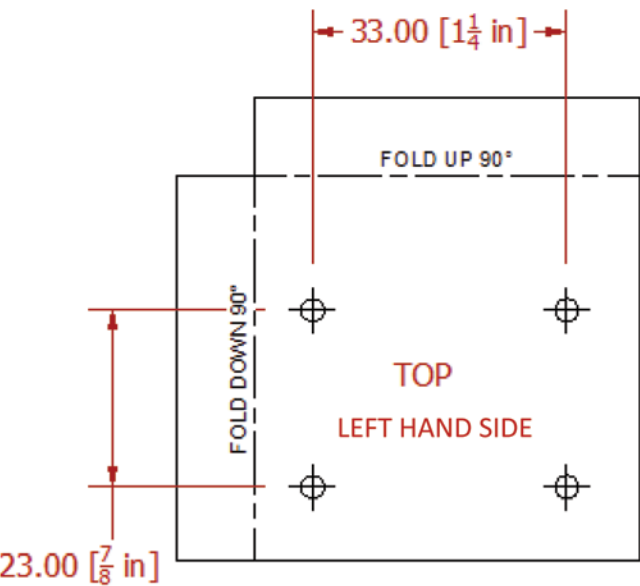


Figure 8: Jamb Drilling Details for On-Site Retrofit

1B JAMB DRILLING DETAILS FOR ON-SITE RETROFIT (TERRACE DOOR)  
DRILLING TEMPLATES

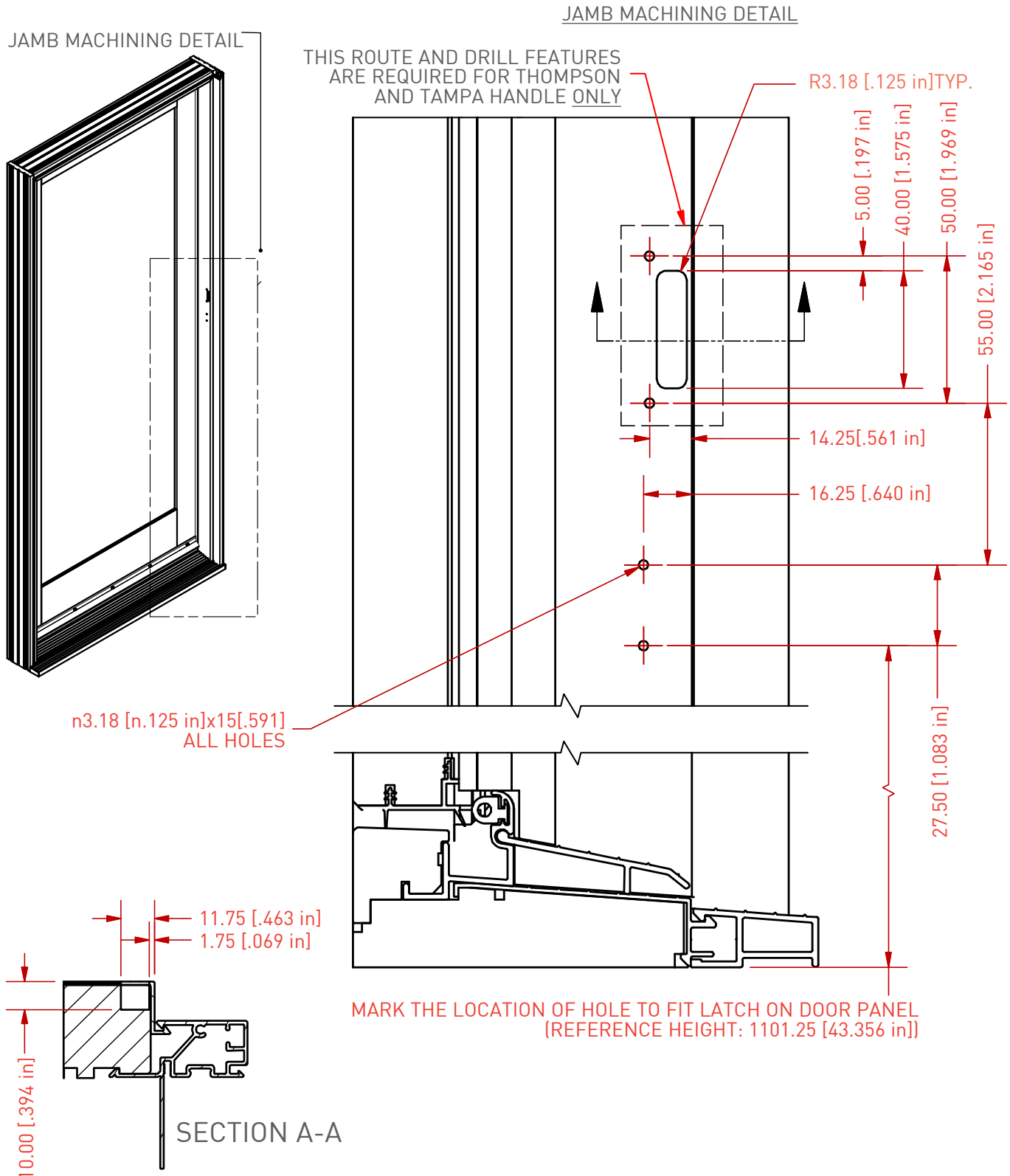


BEFORE USING TEMPLATES USE A TAPE MEASURE AND ENSURE THAT THE DIMENSIONED LINES ARE ACCURATE. DO NOT SCALE THE DRAWINGS BEFORE PRINTING

## 2A JAMB MACHINING DETAILS FOR ON-SITE RETROFIT (TERRACE DOOR)

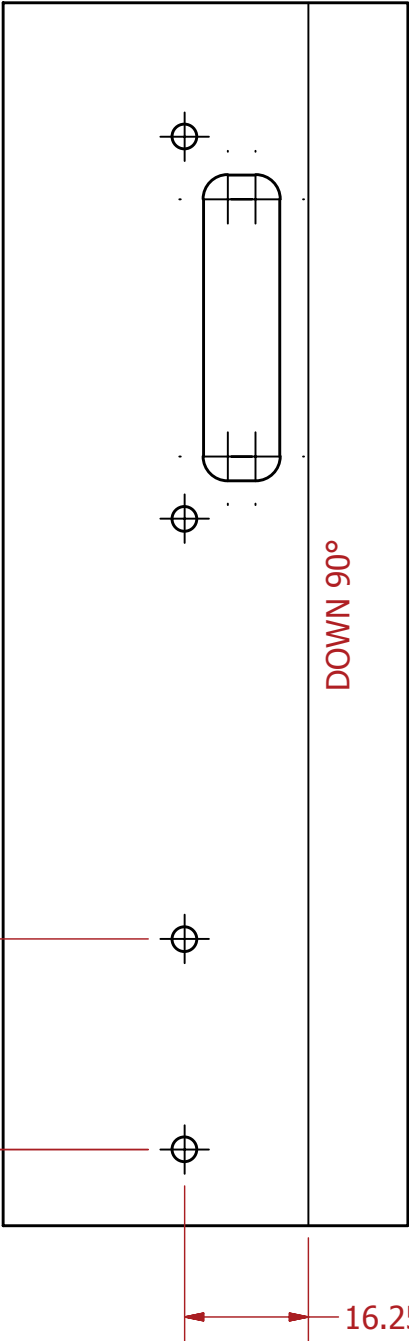
1. See "Jamb Machining Detail" below for hole position and specification.
2. All holes have a diameter of 3.18mm or 1/8 inches and to a depth of 15 mm or 9/16 inches.
3. Ensure that the correct template is used.

Figure 9: Jamb Machining Detail for On-Site Retrofit (Terrace Door)



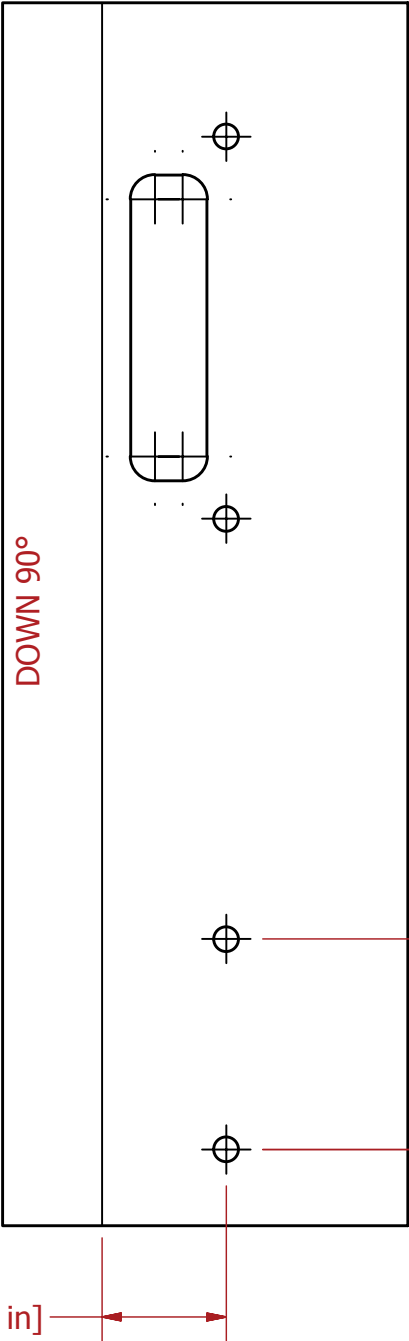
2B JAMB MACHINING DETAILS FOR ON-SITE RETROFIT (TERRACE DOOR) TEMPLATE

Template for Right-Hand Jamb



PLACE TEMPLATE 767.25mm OR 30 1/2 INCHES FROM THE UPPER MOST SURFACE OF THE SILL CLADDING FOR REGULAR STILE CLADDING

Template for Left-Hand Jamb



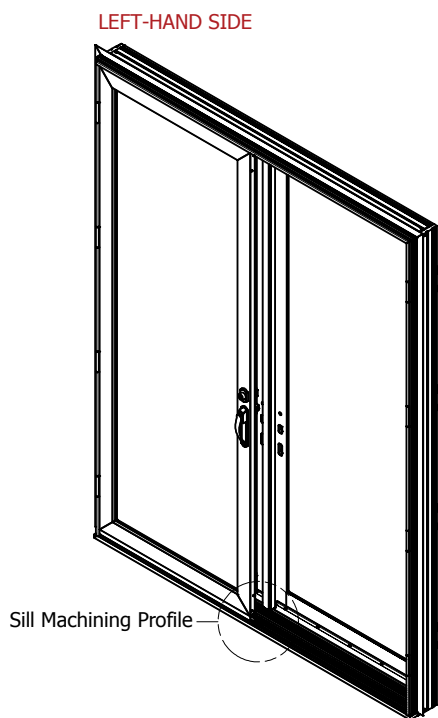
PLACE TEMPLATE 857.25MM OR 33 3/4 INCHES FROM THE UPPER MOST SURFACE OF THE SILL CLADDING FOR NARROW STILE CLADDING

BEFORE USING TEMPLATES USE A TAPE MEASURE AND ENSURE THAT THE DIMENSIONED LINES ARE ACCURATE. DO NOT SCALE THE DRAWINGS BEFORE PRINTING

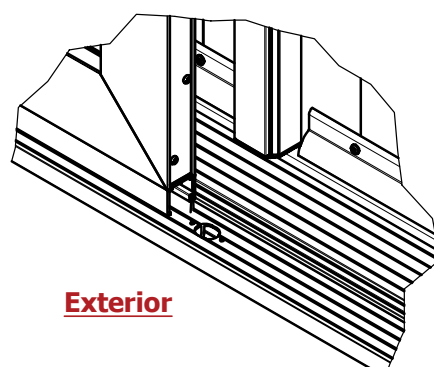
### 3B HEAD AND SILL MACHINING FOR STRIKE PLATES

1. See drawing Head and Sill Machining for hole position and specification.
2. Drill through top of sill nosing only. Do not drill through entire part.
3. Screw holes are drilled as per the head and sill machining drawing and have a diameter of 3.18mm or 1/8 inches.
4. Ensure that the center line of the French Door frame is in line with the marking on the template before templates are used.
5. Ensure that the correct template is used.

Figure 10: Head and Sill Machining for Strike Plates

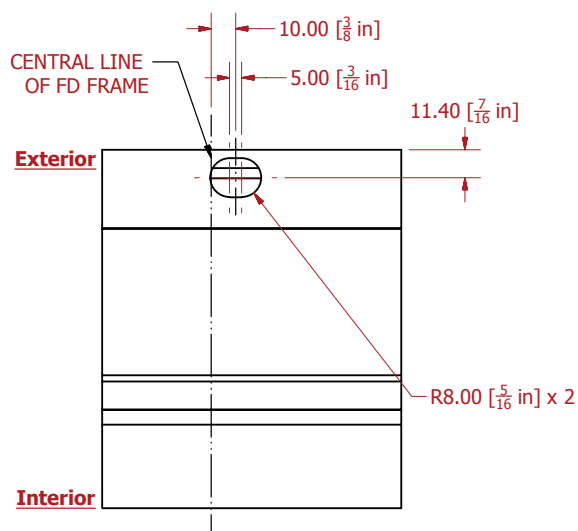


TWO PANEL FRENCH DOOR  
PASSIVE PANEL HIDDEN

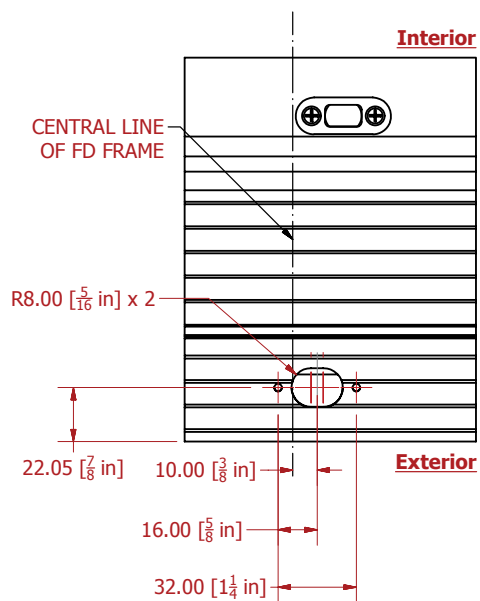


**Exterior**

SILL MACHINING PROFILE



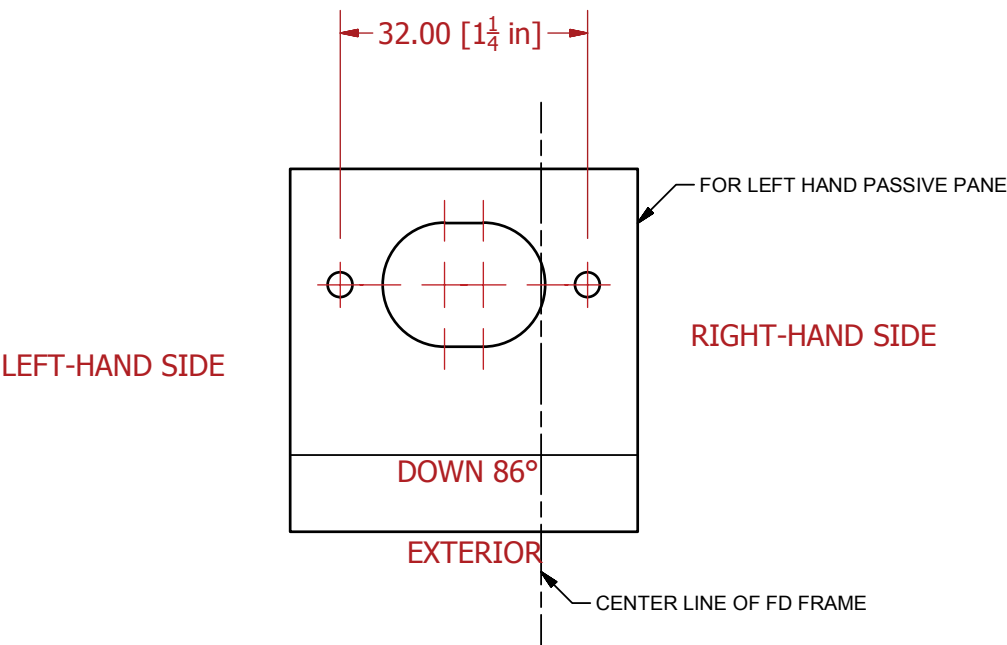
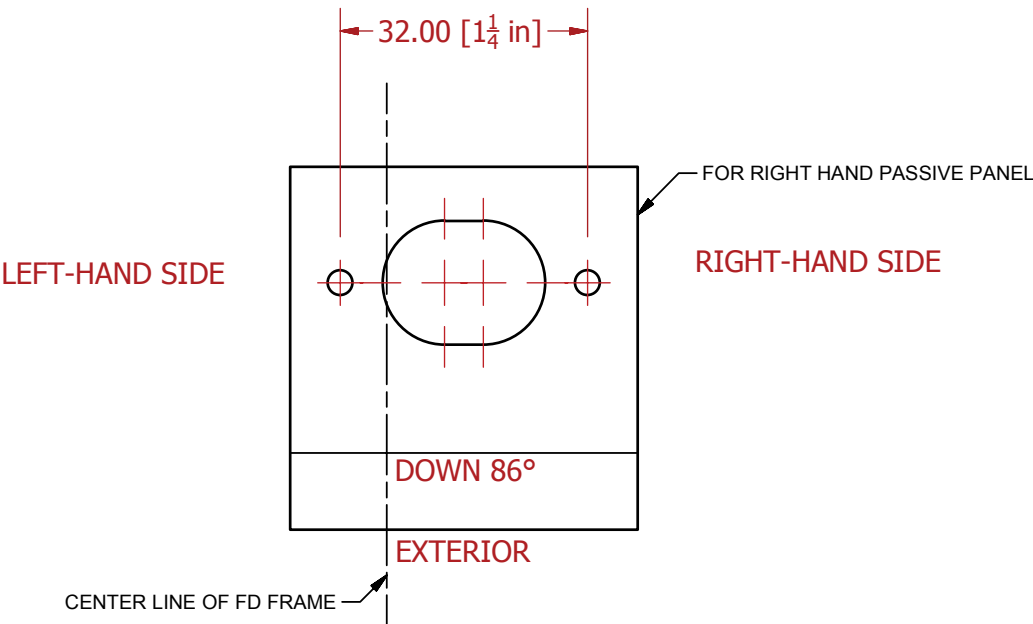
HEAD MACHINING PROFILE



SILL MACHINING PROFILE



3B HEAD AND SILL MACHINING FOR STRIKE PLATES TEMPLATE



BEFORE USING TEMPLATES USE A TAPE MEASURE AND ENSURE THAT THE DIMENSIONED LINES ARE ACCURATE. DO NOT SCALE THE DRAWINGS BEFORE PRINTING

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