



2 1/4" INSWING TERRACE & FRENCH DOOR FRAME AND ANCHOR SCREW

Addendum Guide

IMPORTANT NOTICES & INFORMATION

The building envelope must be correctly prepared with weather resistant barriers – that meet local and state codes. All frame and sill surfaces must be correctly prepared for air, water, and structural integrity by the builder or contractor before attempting installation. In order to meet warranty requirements, all systems are required to be installed by a certified installer.

- Read these instructions in their entirety prior to installing windows. Contact Loewen at 1.800.563.9367 for clarification.
- Loewen is not responsible for site measurements nor the structural and architectural requirements for the installation.
- Building design, construction methods, building materials and site conditions unique to your project may require methods different from these instructions.
- Choosing the appropriate method is the responsibility of you, your architect, or your construction professional.
- Confirm with sealant/foam/barrier manufacturers that all materials used are compatible with one another.
- Remove shipping blocks and related staples prior to installation.
- All drawings are shown not to scale.
- To ensure accuracy, make sure you have the latest approved shop drawings and assembly and installation guides.
- Any local, regional or national building code requirements supersede these instructions.
- Safety is top priority for Loewen. Use proper work procedures and protective equipment.

Notes on Building Envelopes

Improper design and/or non-conforming application of building envelope materials has been demonstrated to cause premature building envelope failure. Even with premium materials, shortcuts and errors in the final installation can impact budgets, time frames, building life span, and increase legal liabilities.

As one of the elements that bisect the interior/exterior plane, window and door integrations are a critical element of the building envelope as a whole. Poor installations can carry significant liability, due to building envelope failure.

2 1/4" TERRACE & FRENCH DOOR FRAME ANCHOR SCREW INSTALLATION INSTRUCTIONS

Supplemental Installation Instructions

These instructions contain important installation, finishing and homeowner information. Please keep them with the door until the homeowner removes them.

Loewen recommends reviewing the entire instruction and familiarize yourself with this procedure prior to installation. This supplement demonstrates how to install the required structural Anchor Screws at the Head, Sill and Lock Jambs for the I/S 60T (2 1/4") doors, including FD2/FD3/FD4/TD1/TD2/TD3 & TD4.

Important: Always practice safety! Wear the appropriate eye, ear and hand protection, especially when working with power tools.

Tools Required

- QUAD / Robertson
or Phillips Screwdriver
- High grade silicone



Catalogue

Section I: FD2 Head & Sill Anchor Instruction

Section II: TD1 Head & Sill Anchor Instruction

Section III: TD2/TD3/TD4/FD3/FD4 Head & Sill Anchor Instruction

Section IV: TD Lock Jamb Strike Plate Anchor Installation Instructions

SECTION I: FD2 HEAD & SILL ANCHOR INSTRUCTIONS

Parts in Package



#8 x 2" Pan Head Screws



#10 x 4" Flat Head SS Screws



#10 x 2.5" Pan Head Screws



#12 x 2.5" Flat Head SS Screws

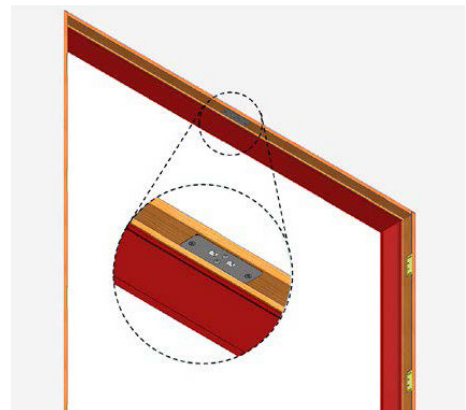
Installation Steps:

Step 1:

Install the door from the exterior into the rough opening following the Loewen Swinging Door Installation Guide for Wood Framing - New Construction.

Step 2:

- Remove the two 3/4" Flat head screws from the strike plate (fig a.)
- The following steps are for non-impact certified units only
 - Remove strike plate (fig b.)
 - Shim behind the structural plate
 - Add #10 x 2.5" screws at approximately a 30 degree angle up into the header (Fig b)
 - Replace the strike plate.
- Install four #12 x 2.5" flat head screws vertically through each hole of the strike plate. (Fig c)



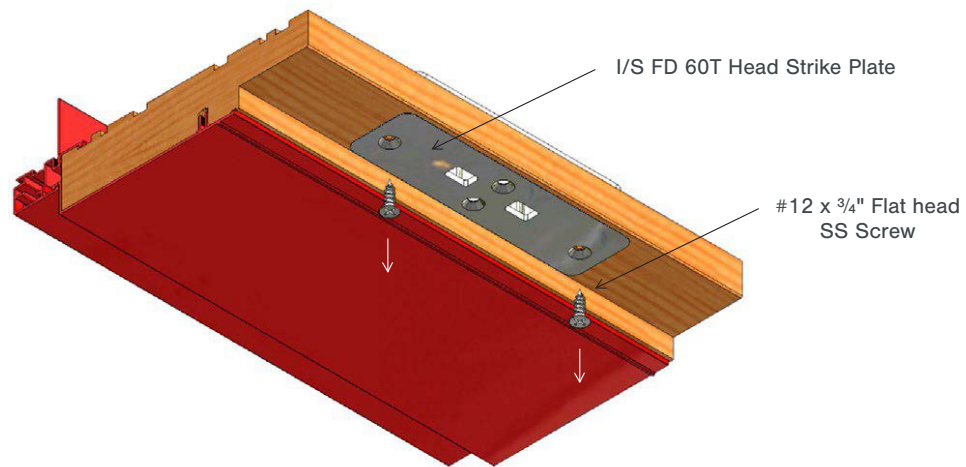


Figure A

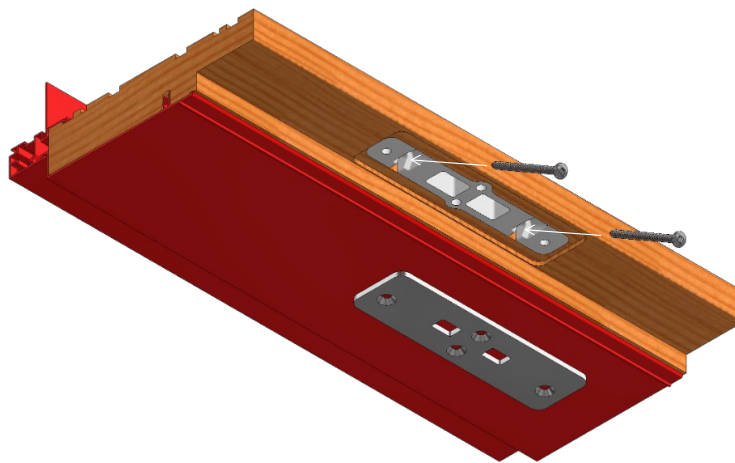


Figure B

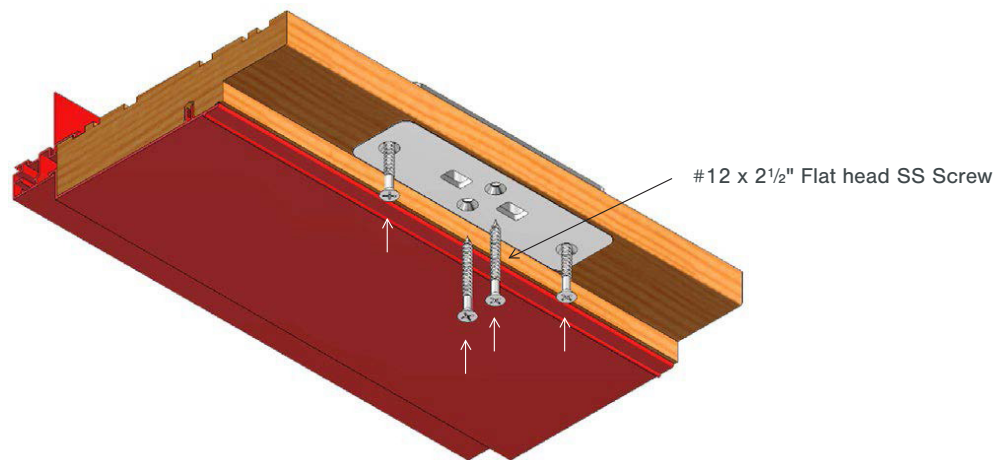


Figure C

Step 3:

- Remove the four 18 mm Machine screws from the I/S Sill Shootbolt Cups (Fig c.)
- Predrill 3" deep through the shoot bolt cup screw holes with a 1/8" drill bit.
- Inject a minimum 3 pumps of silicone sealant into each hole.
- Replace Machine screws with the four #10 x 4" flat head SS screws provided. (Fig d.)

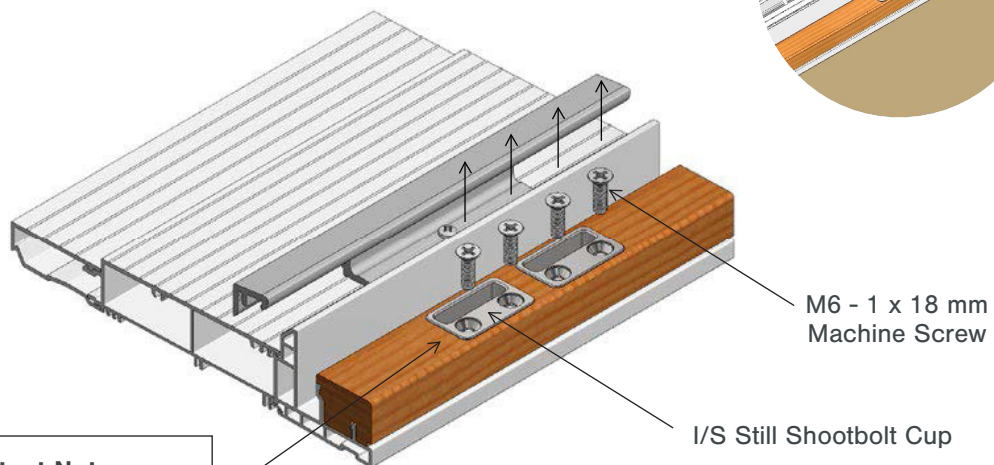
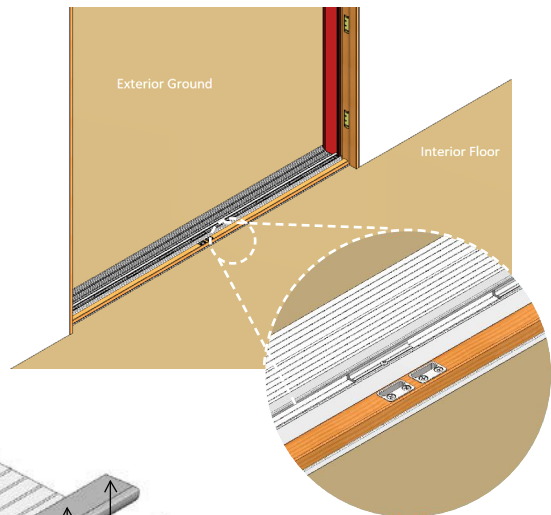


Figure C

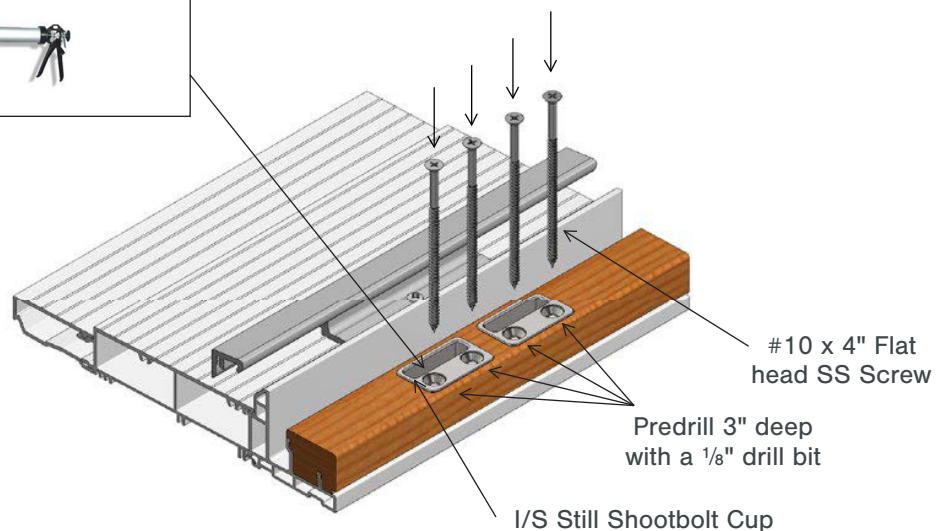
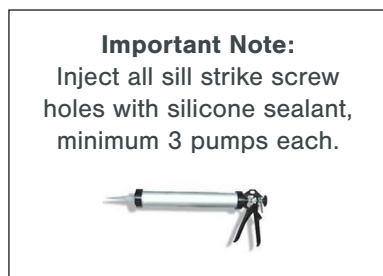
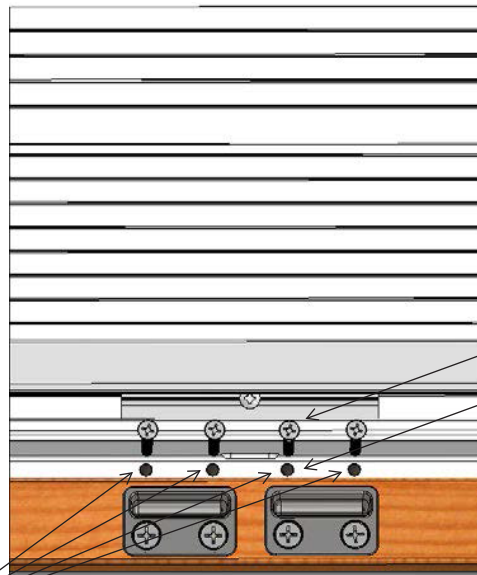


Figure D

Step 4:

- Predrill sill with an 1/8" drill bit through the factory-sealed holes (as shown) to a depth of 1-1/2".
- Inject a minimum 3 pumps of silicone sealant into each hole.
- Install four #8 x 2" Pan head SS screws in the channel directly in front of the Shootbolt cups and seal the tops of the screw heads with silicone sealant.



Predrill 1 1/2" deep
with a 1/8" drill bit

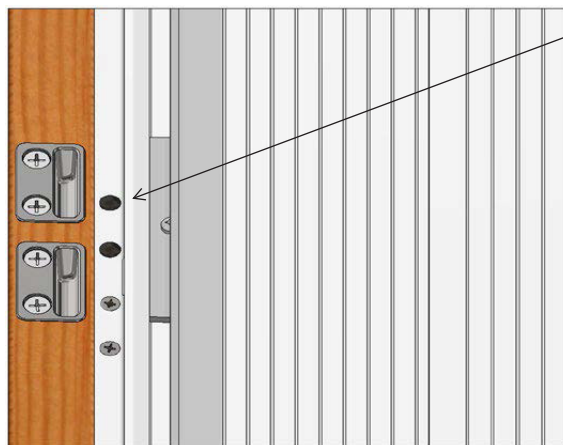
Important Note:

Inject all sill strike screw
holes with silicone sealant,
minimum 3 pumps each.



#8 x 2 Pan head SS Screw

Screw holes are factory sealed
with silicone, apply screws
directly through the silicone



Seal the screw heads using
silicone after installation

SECTION II: TD1 FRAME ANCHOR INSTALLATION INSTRUCTIONS

Parts in Package



#12 x 2 1/2" Flat Head SS Screws



#10 x 4" Flat Head SS Screws

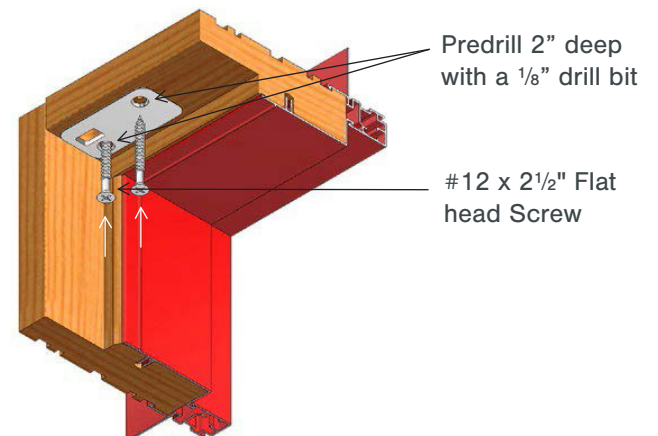
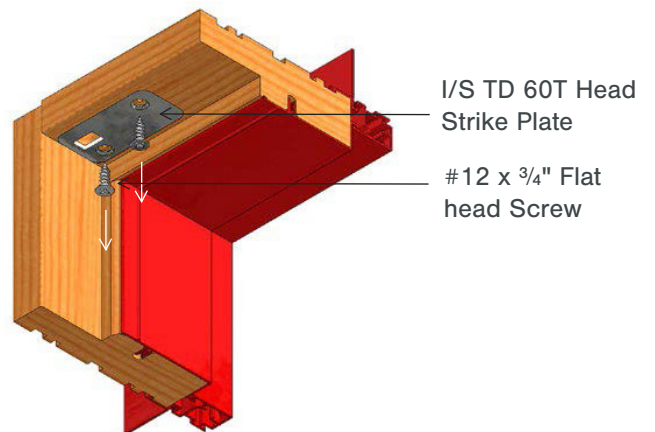
Installation Steps:

Step 1:

Install the door from the exterior into the rough opening following the Loewen Swinging Door Installation Guide for Wood Framing - New Construction.

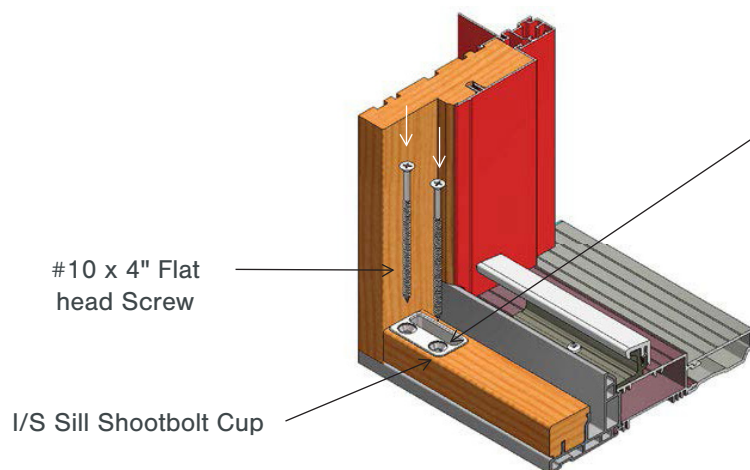
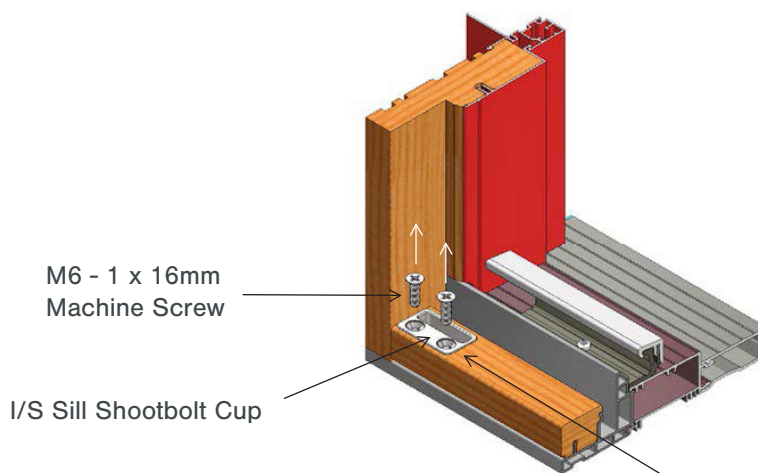
Step 2:

- Remove the two 3/4" screws from the Head Strike Plate.
- Predrill Head 2" deep thru the Head Strike Plate holes with a 1/8" drill bit.
- Install provided #12 x 2 1/2" Flat head screws.



Step 3:

- Remove the two Machine screws from the I/S Sill Shoot bolt Cup.
- Predrill Sill cover 3" deep thru the Shoot bolt Cup holes with a 1/8" drill bit.
- Inject a minimum 3 pumps of silicone sealant into each hole.
- Replace Machine screws with two #10 x 4" SS Flat head screws provided.



Important Note:

Inject all sill strike screw holes with silicone sealant, minimum 3 pumps each.



SECTION III: TD2/TD3/TD4/FD3/FD4 FRAME ANCHOR INSTALLATION INSTRUCTIONS

Parts in Package



#12 x 2 1/2" Flat Head SS Screws

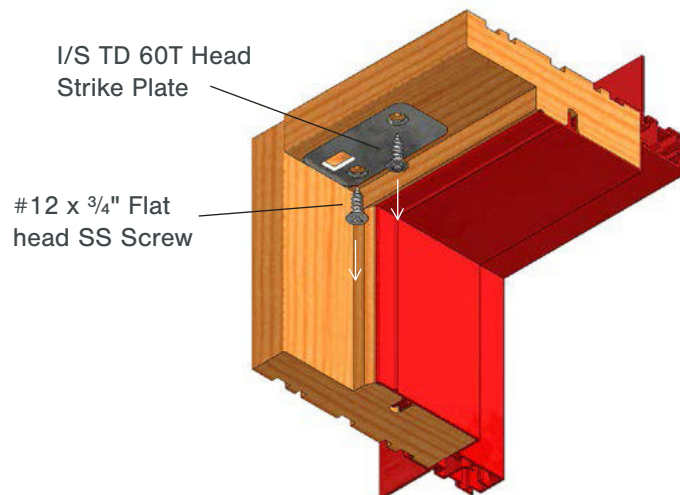


#10 x 4" Flat Head SS Screws

Installation Steps:

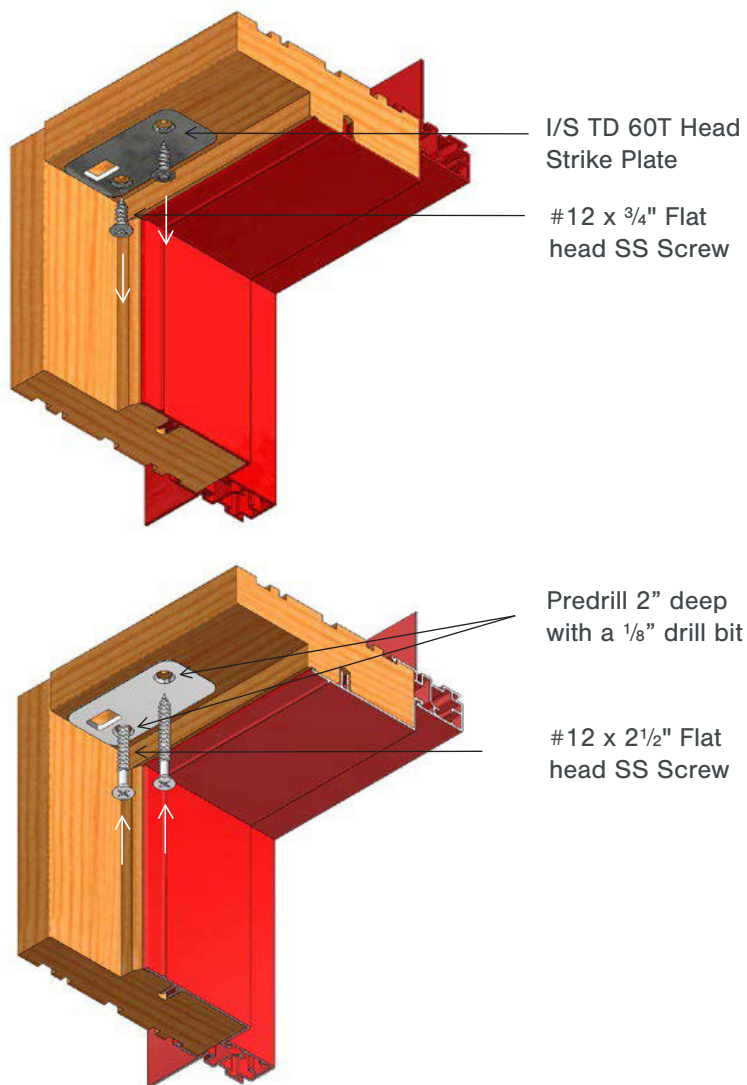
Step 1:

- Install the door from the exterior into the rough opening following the Loewen Swinging Door Installation Guide for Wood Framing - New Construction.



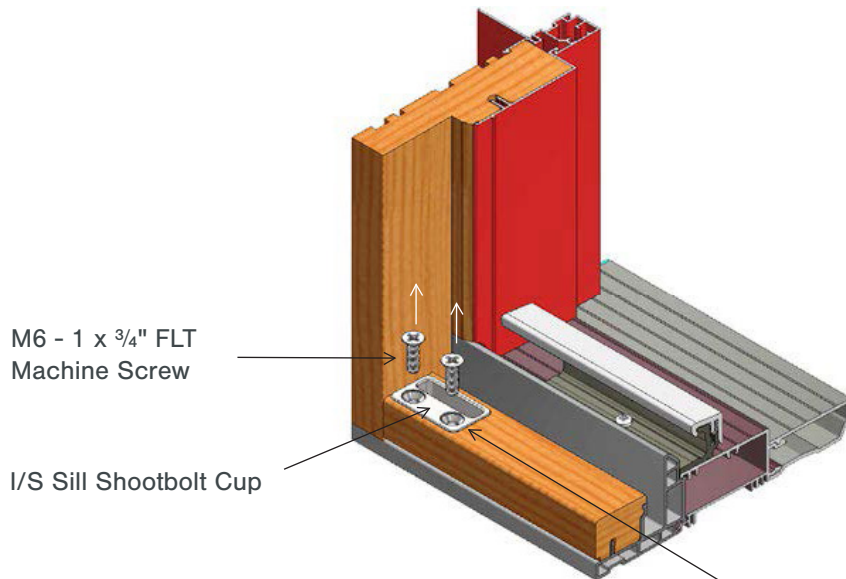
Step 2:

Replace them with screw #12 x 2 1/2" Flat head screws provided.

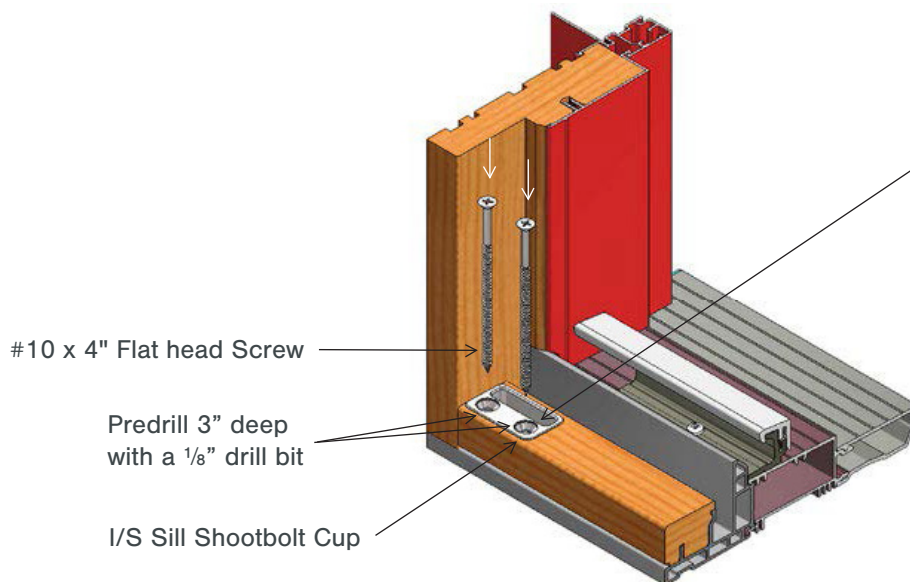


Step 3:

- Remove the two Machine screws from the I/S Sill Shootbolt Cup.
- Predrill the holes 3" deep with a 1/8" drill bit.
- Inject a minimum 3 pumps of silicone sealant into each hole.
- Replace them with two #10 x 4" flat head screws provided.



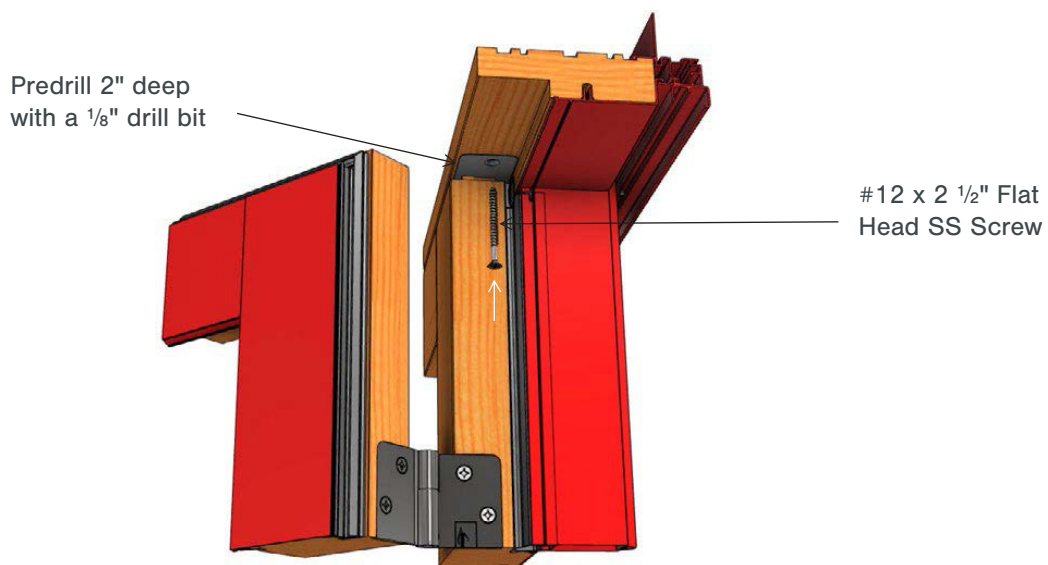
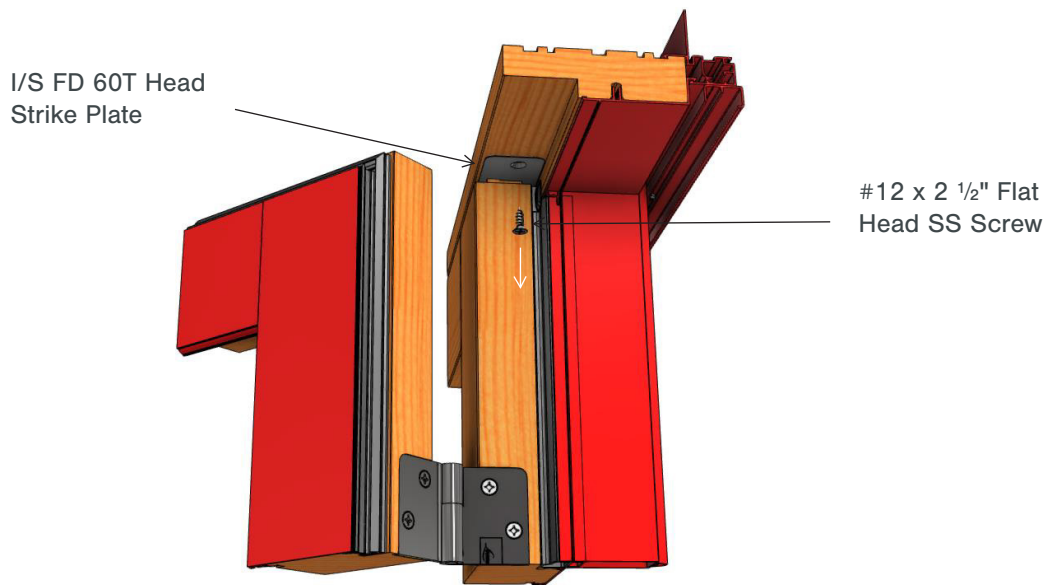
Important Note:
Inject all sill strike screw holes with silicone sealant, minimum 3 pumps each.



Step 4:

- Remove the 3/4" screw from the Head Strike Plate at the Hinge Stile
- Predrill Head 2" deep thru the Head Strike Plate hole with a 1/8" drill bit
- Replace it with screw #12 x 2 1/2" Flat head screw provided.

Note: This is the standard process used on all Fixed Panel Hinge Stiles



Step 5:

- Predrill sill with an 1/8" drill bit through the factory-sealed holes (as shown) to a depth of 1-1/2".
- Inject a minimum 3 pumps of silicone sealant into each hole.
- Install two #8 x 2" Pan head SS screws in the channel directly in front of the Shootbolt cups and seal the tops of the screw heads with silicone sealant.



SECTION IV: TD LOCK JAMB STRIKE PLATE ANCHOR INSTALLATION INSTRUCTIONS

Parts in Package



8 x 2" Flat Head screws; two per Hook Strike, plus three for the Latch and Deadbolt Strike. Screws will be provided to match Strike Plate finish.

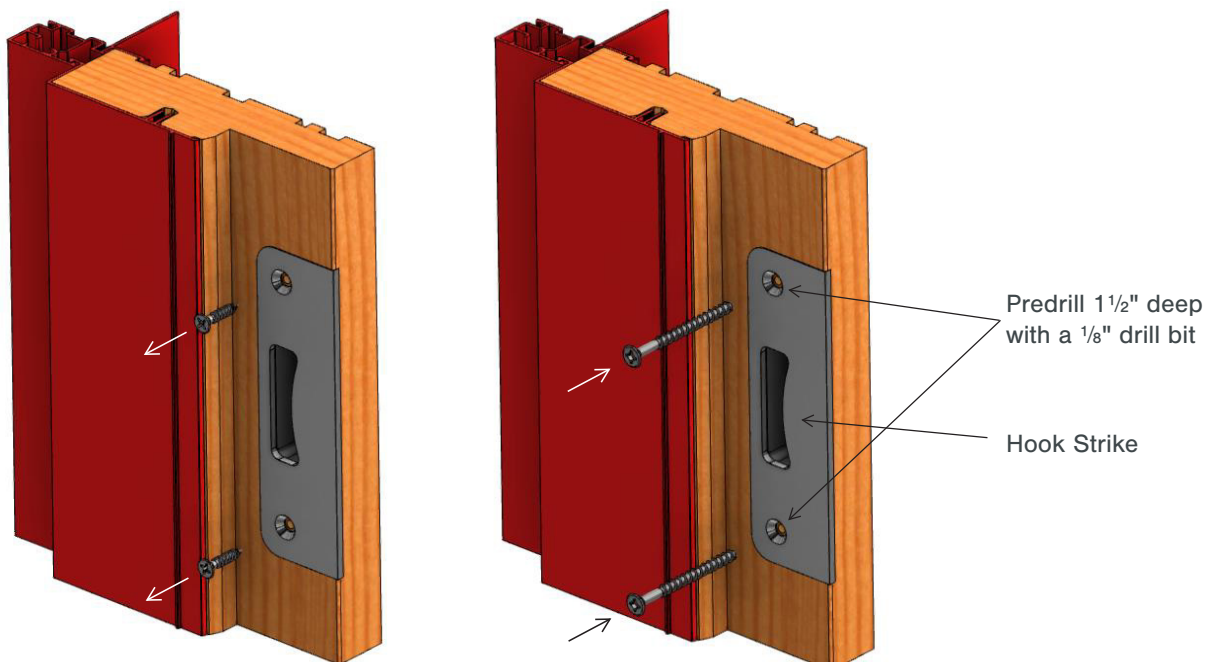
Important Note:

This section is for units where the Active panel locks at the Jamb directly adjacent to a wall. Skip this section if your door locks into a fixed panel (Optional on multi-panel TD units), or if your unit has another door muller to the Lock Jamb; Anchor screws will be factory applied in these scenarios.

Installation Steps:

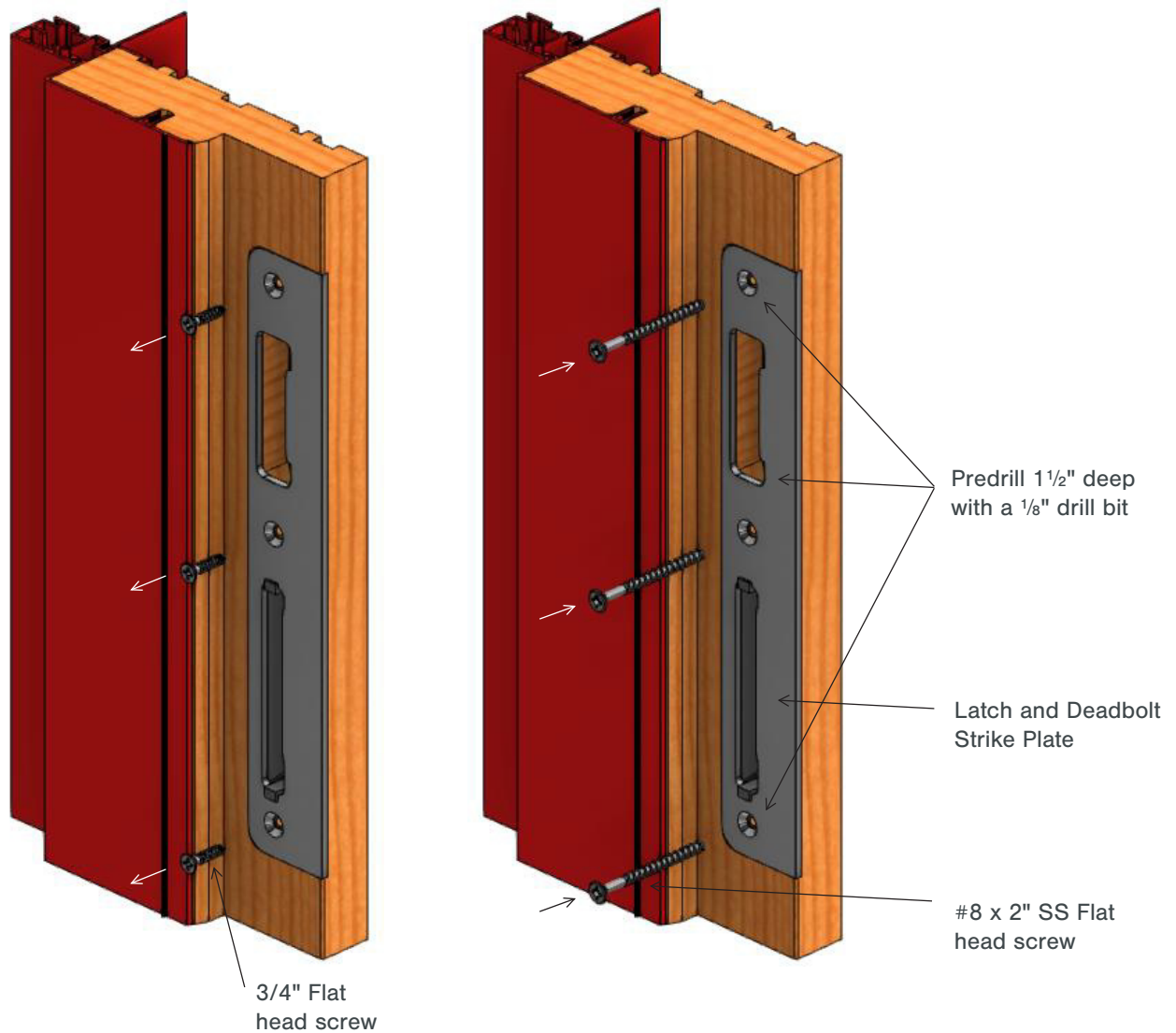
Step 1:

- After the door has been fully installed, remove the 3/4" Flat head screws from all Hook Strike Plates
- Predrill Jamb 1 1/2" deep thru the Strike Plate holes with a 1/8" drill bit.
- Install #8 x 2" Flat head SS screws making sure to shim behind each Strike Plate.



Step 4:

- Remove the 3/4" Flat head screws from the Latch and Deadbolt Strike Plate
- Predrill Jamb 1 1/2" deep thru the Strike Plate holes with a 1/8" drill bit
- Install #8 x 2" Flat head SS screws making sure to shim behind the Strike Plate.



Information subject to change without notice.

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