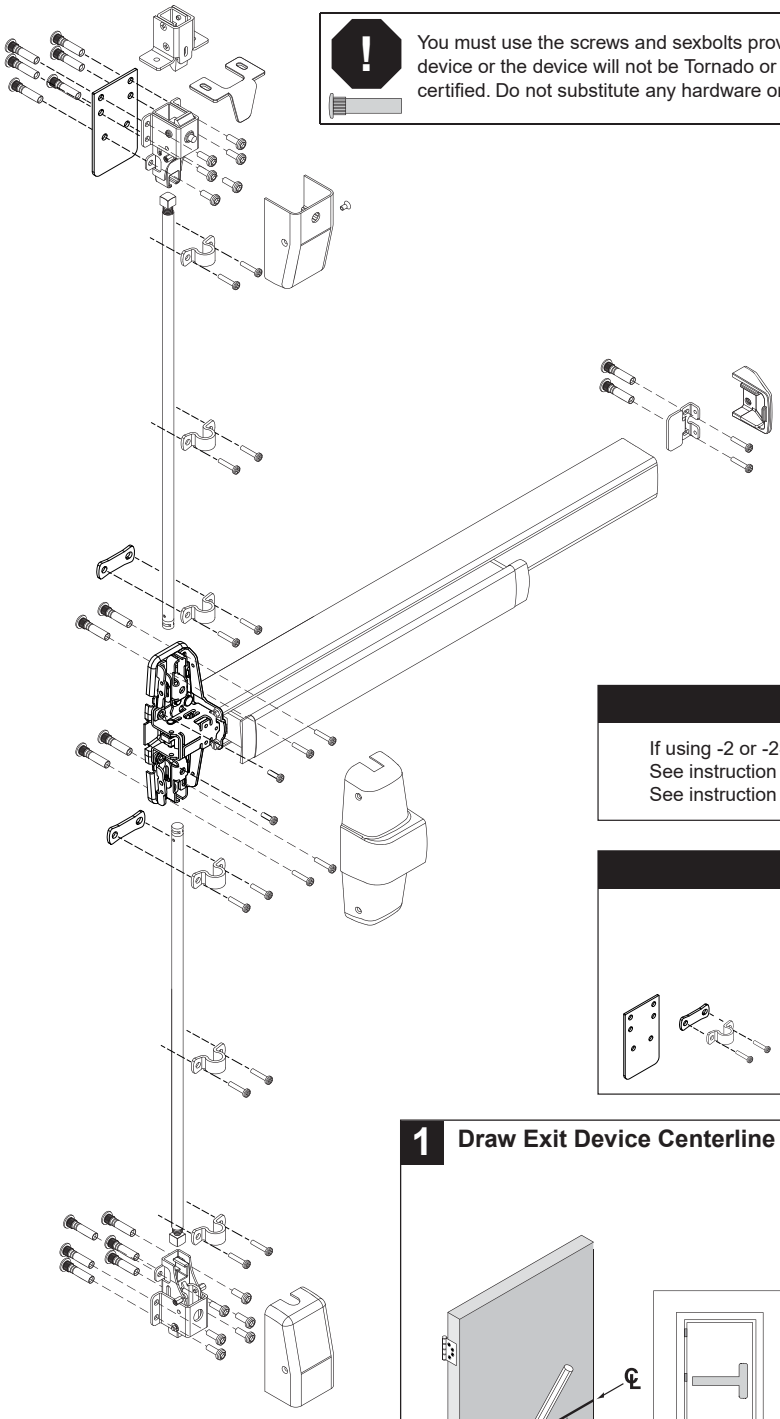
941109-00

WS9827/WS9927 & WS9827-F/WS9927-F
WS-T9827/WS-T9927 &
WS-T9827-F/WS-T9927-F

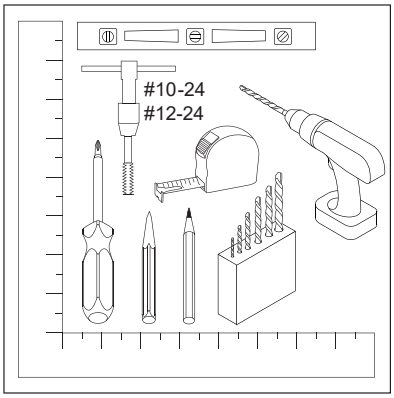
VON DUPRIN®

Windstorm Exit Device

Installation Instructions



> **!** You must use the screws and sexbolts provided with this exit device or the device will not be Tornado or Windstorm certified. Do not substitute any hardware on door.



! Dogging Key
NOT PERMITTED FOR WS-T APPLICATIONS
Cylinder Dogging with Thumb-turn Acceptable

For **WS** applications, a dogging key can be used to lock down pushbar.

For **WS-T** applications, a cylinder dog with thumbturn can be used to lock down pushbar. A dogging key is not permitted.

WS-T Information

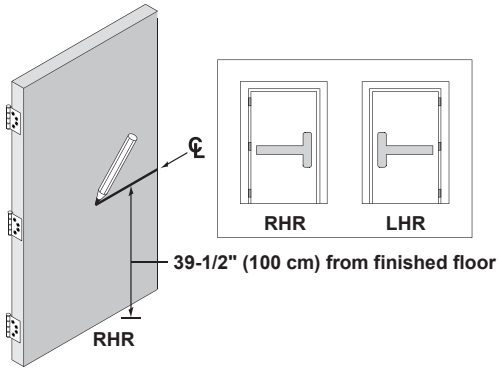
If using -2 or -2SI options, 377T-KC function required.
See instruction #47640278 for -2 & -2SI information.
See instruction #941116-00 for 377T-KC trim installation and door preparation.

Rod Guide and Spacer Information

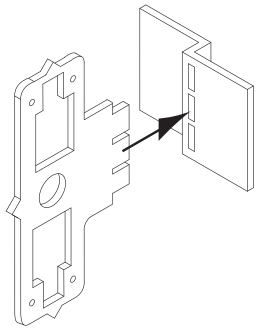
For WS applications, use 1 rod guide centered above and below the exit device. No spacers are required.

For WS-T applications, use 3 rod guides per rod. Also use a spacer plate under top latch and under rod guides nearest the exit device. See exploded view to the left.

1 Draw Exit Device Centerline (℄)



2 Assemble Plastic Template

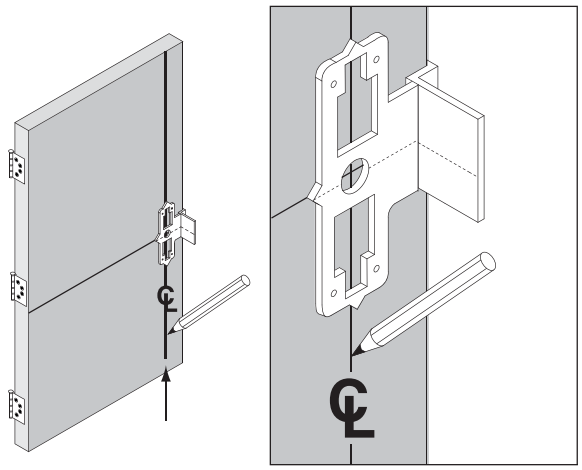


ALLEGION

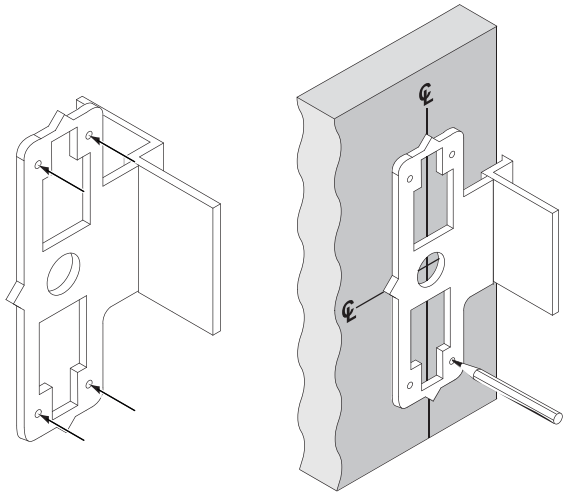
Customer Service
1-877-671-7011 www.allegion.com/us

©Allegion 2024
Printed in U.S.A.
941109-00 Rev. 04/24-H

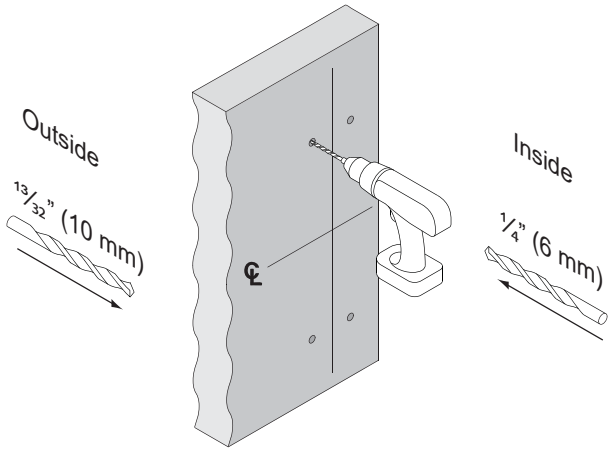
3 Affix Template and Mark Vertical Center Line



4 Mark 4 Holes

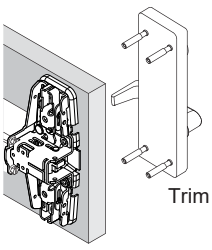


5 Prepare 4 Holes

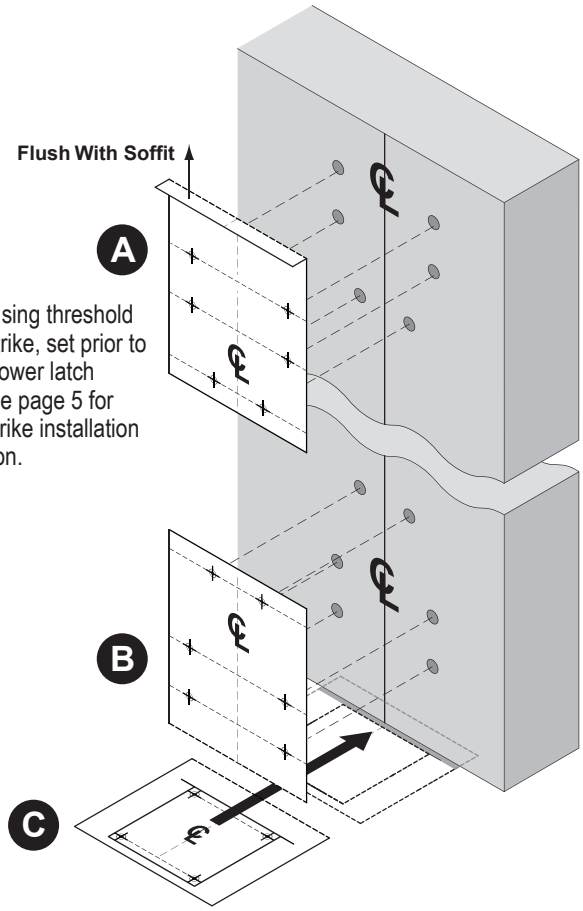


6 If Installing Trim, Review Trim Instructions

Make sure that the door prep matches what is shown in the trim instructions.

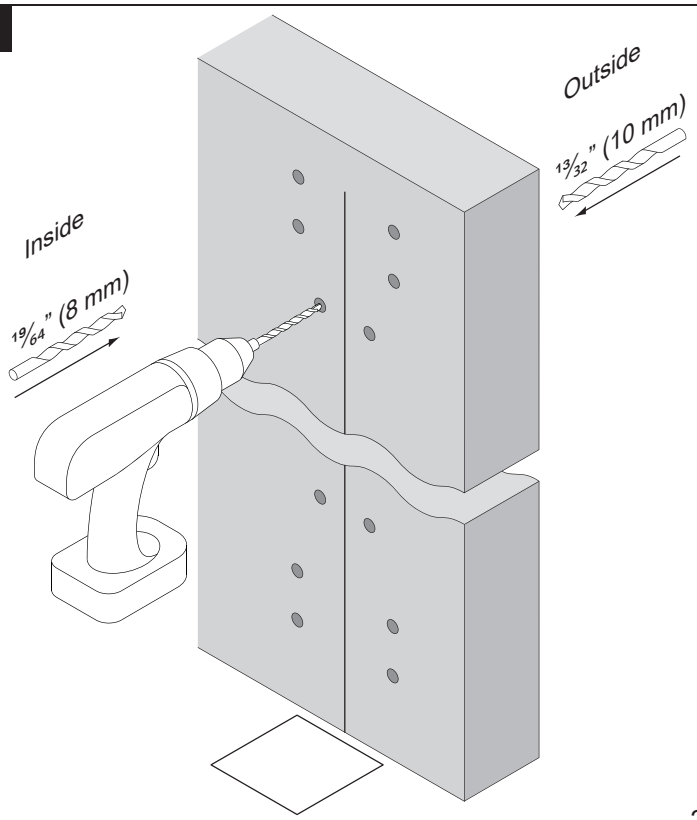


7 Mark Door For Top & Bottom Latches Using Paper Templates On Back Cover



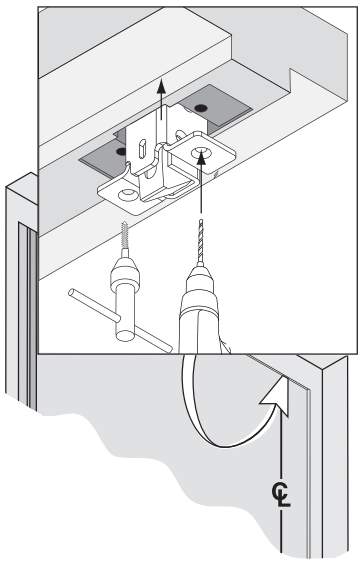
Note: If using threshold or floor strike, set prior to marking lower latch holes. See page 5 for bottom strike installation information.

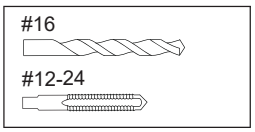
8



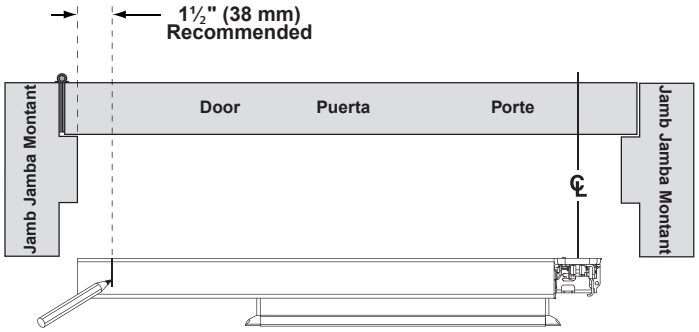
9 Check to see if two holes have been prepared in the top of the frame. If necessary, drill and tap holes as shown below.

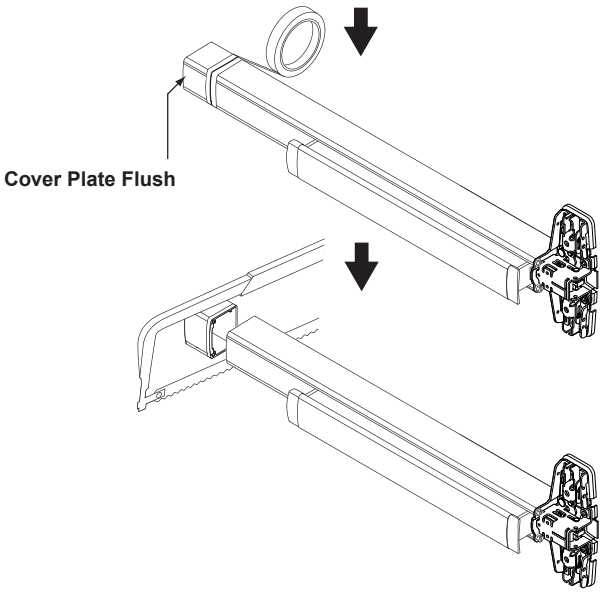
Mark and Drill Top Strike Holes Using Soffit as Template



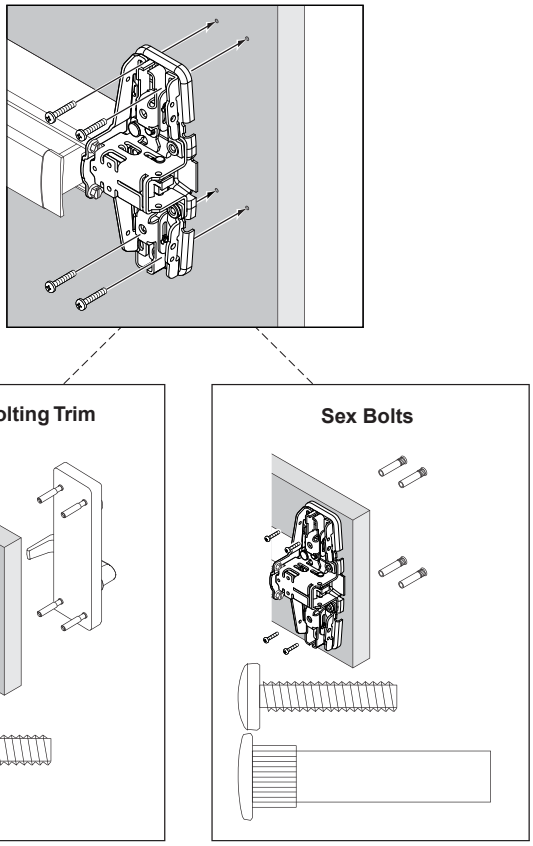


10 If Necessary, Cut Device





11



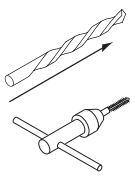
WS Applications, Screws are Pan Head Style
WS-T Applications, Screws are Socket Head Style

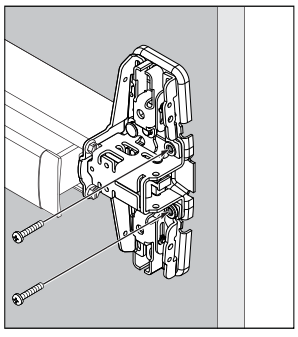
12 WS-T Applications Only, Install Two Support Screws

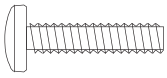
Drill and Tap two Holes Through Door Surface

! Drill push side only. DO NOT drill through door.

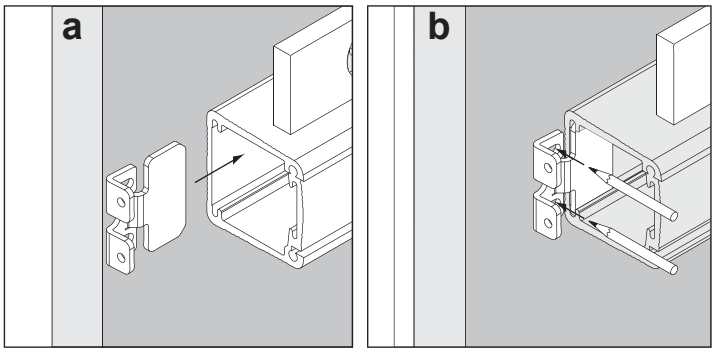
#25 Drill
10-24 Tap

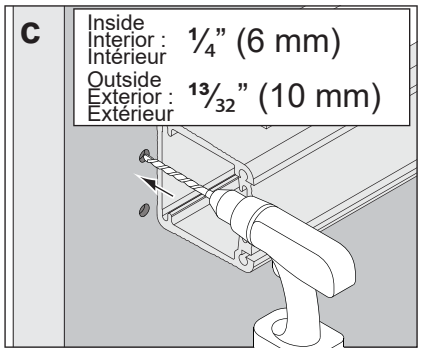




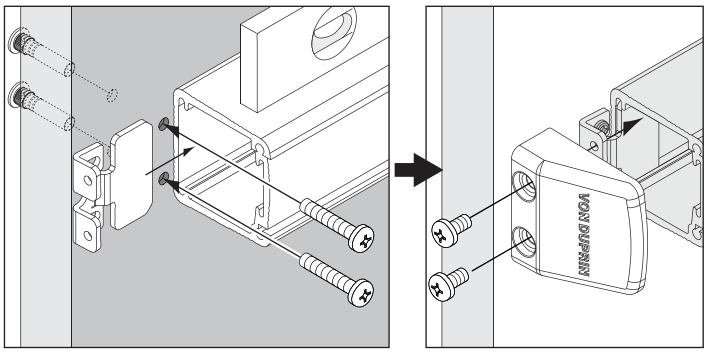


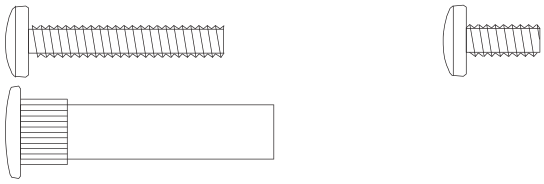
13





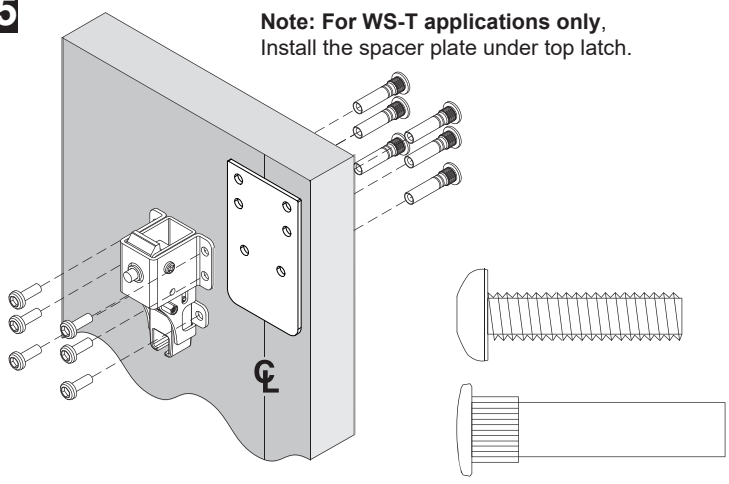
14



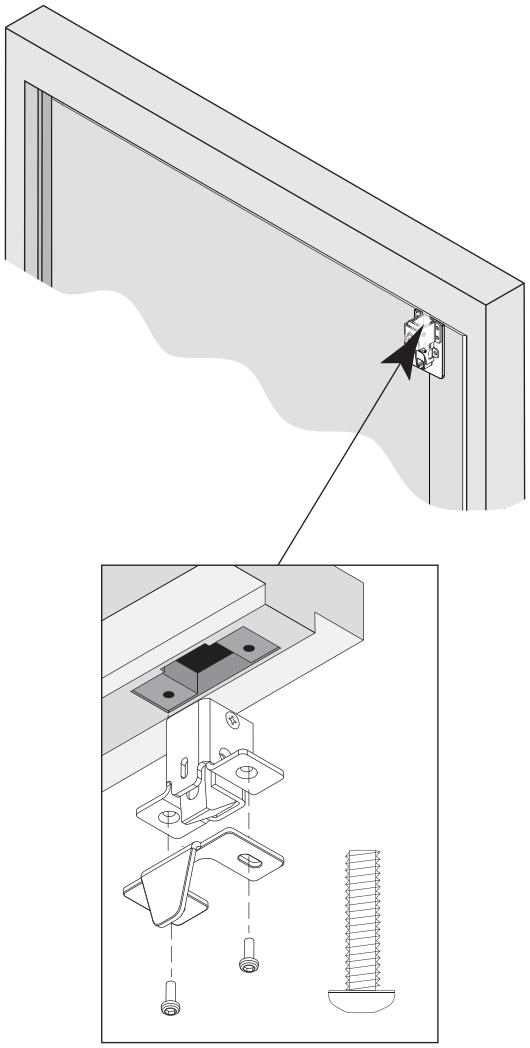


15

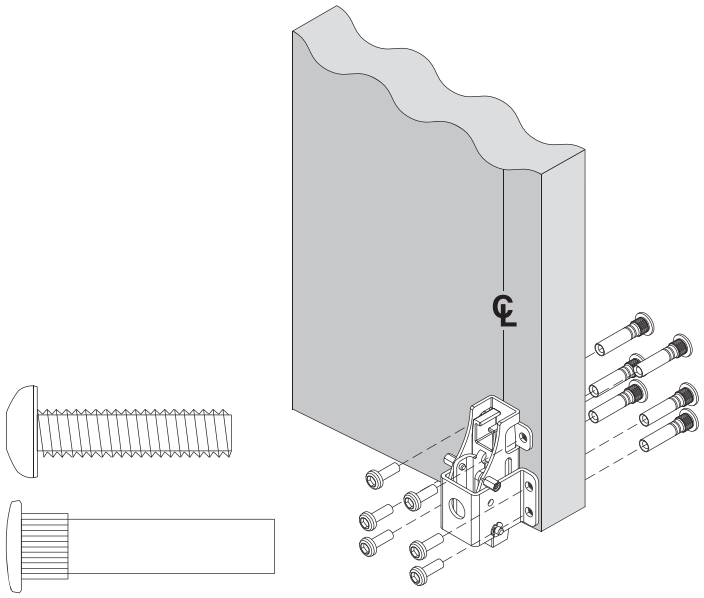
Note: For WS-T applications only,
Install the spacer plate under top latch.



16



17



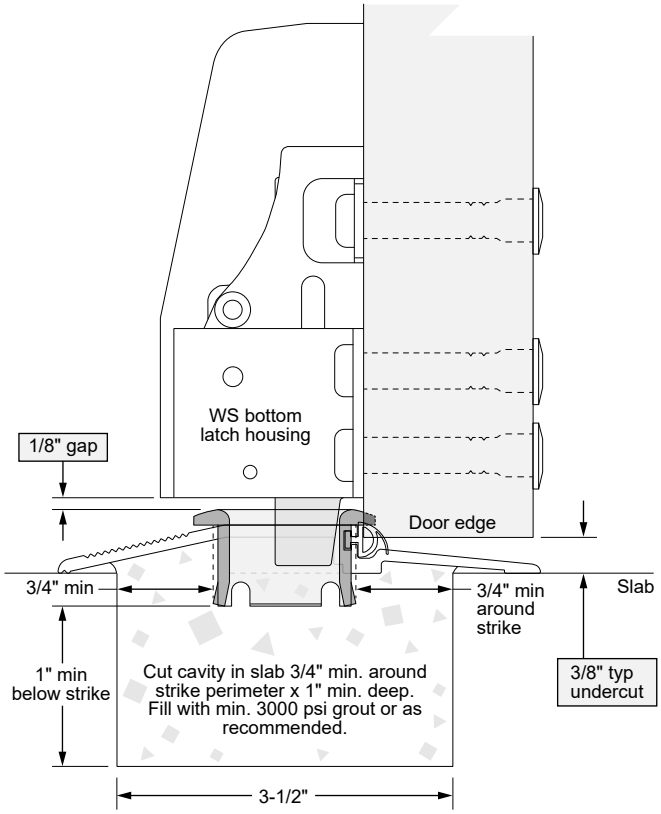
Bottom Strike Installation (Refer to Template on Back Page as Needed)

Threshold Applications

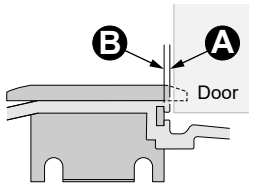
Zero 566A threshold shown with 304L Cup Strike for WS. For other thresholds, see instructions supplied with threshold for specific details.

General Notes for all thresholds

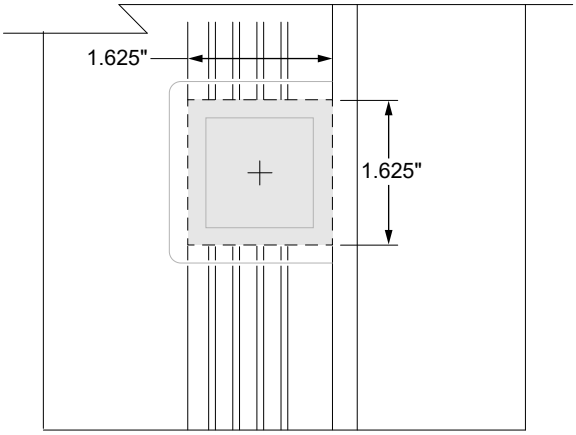
- Test proper latch engagement and door closure prior to full install.
- Ensure required 1/8" gap between bottom of latch housing and top of strike.
- Note interference with closed door. Grind strike lip edge per instructions.



Grind off strike lip on door side so no interference when door is closed. Can grind flush with threshold Ⓐ, but no further than to outer wall of strike Ⓑ.

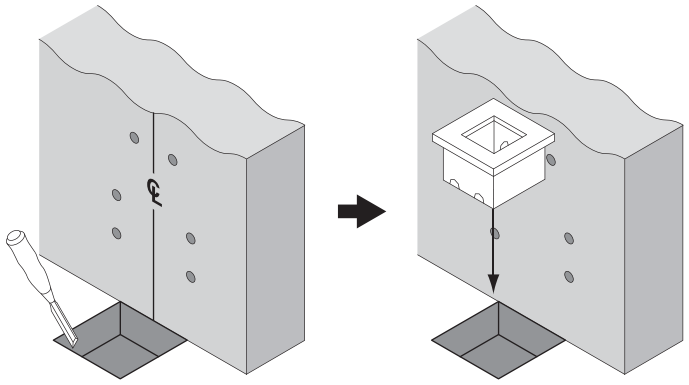


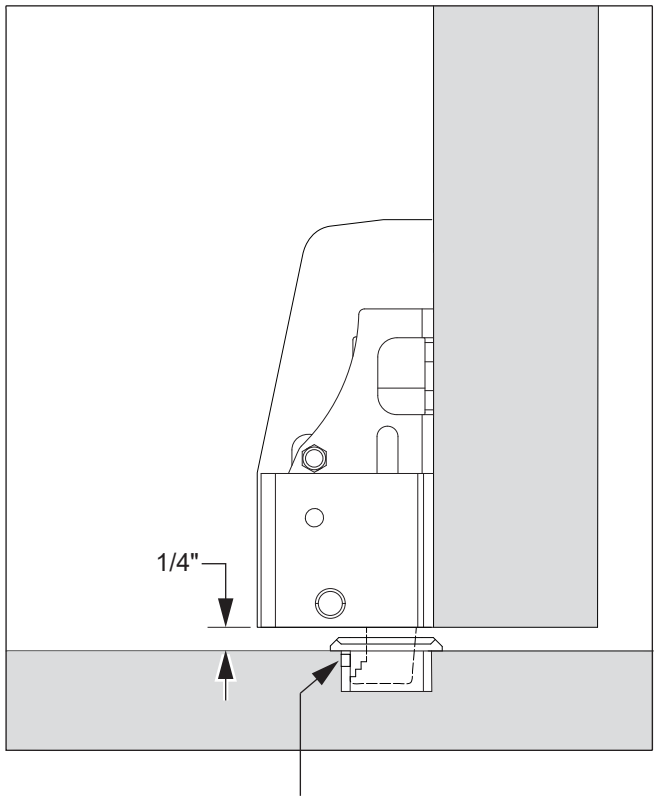
Grind off lip so no interference with closed door



Floor Applications

Grout strike into floor as shown.





Undercut

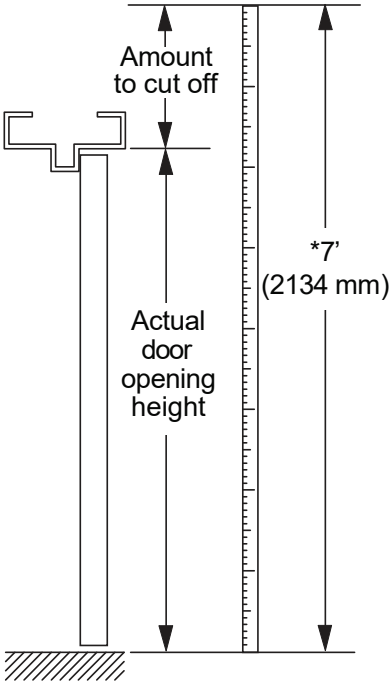
WS-T strike (48047926) shown.
Undercut should be oriented as shown.

Top rod may need to be cut or extended for doors other than 7’ tall

CUT TOP ROD

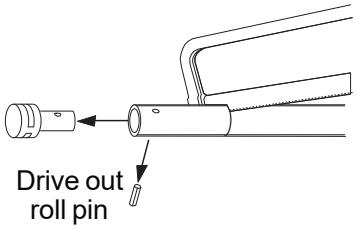
1. Measure amount to cut off rod as shown below.

Note: Rod cutting is required for doors shorter than 2134mm’.

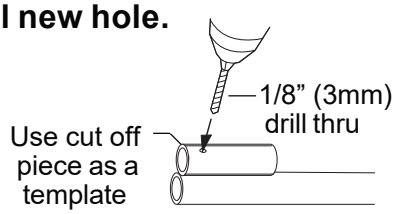


*Rods are factory sized for 7’ (2134 mm) door. Measure actual door height and subtract that number from 7’ (2134 mm) to get amount to cut off top rod.

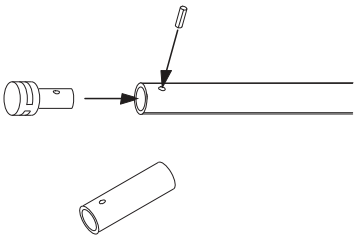
2. Cut rod.



3. Drill new hole.

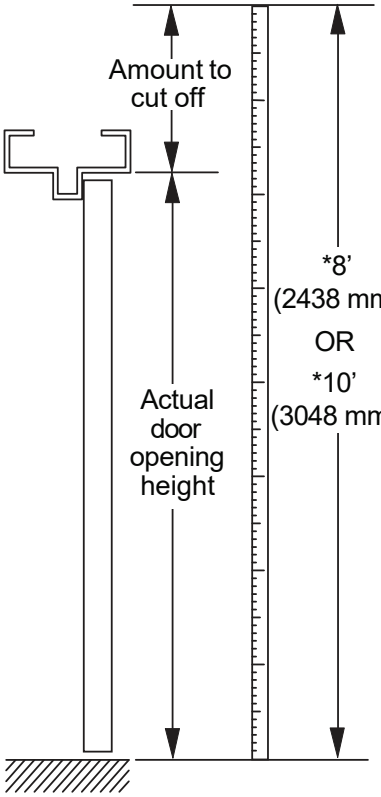


4. Reinstall rod end and roll pin.



INSTALL ROD EXTENSION

1. Measure door opening to determine amount to cut off rod extension.

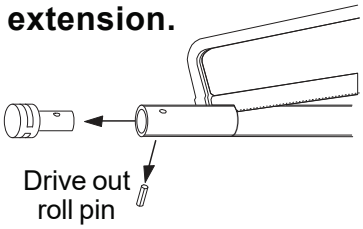


***Standard door heights:**

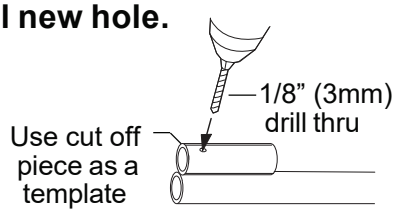
With no extension	7’ (2134 mm)
With 305mm extension	8’ (2438 mm)
With 914mm extension	10’ (3048 mm)

*Rods are factory sized for door heights shown above. Measure actual door height and subtract that number from 8’ (2438 mm) for 1’ (305 mm) extension. Or 10’ (3048 mm) for 3’ (914 mm) extension to get the amount to cut off extension.

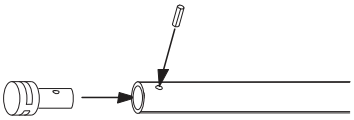
2. Cut rod extension.



3. Drill new hole.

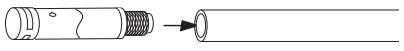


4. Reinstall rod end and roll pin.



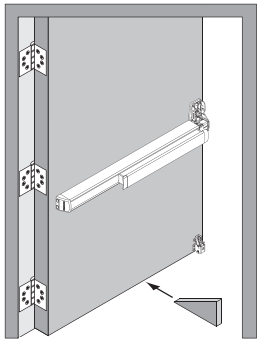
5. Connect top rod and rod extension.

Align and impact with a hammer until knurled insert is fully seated.

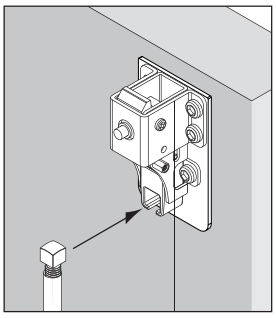


Adjust Top Rod

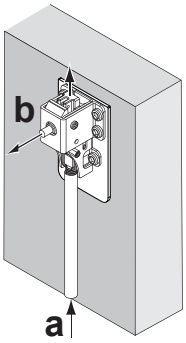
1 **Prop Door Open**



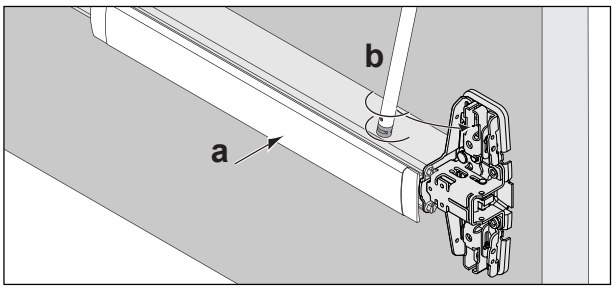
2 **Place Top Rod in Slot of Top Latch**



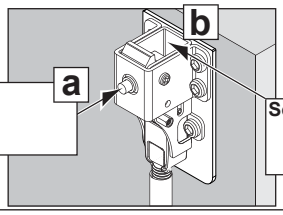
3 **Push Top Rod (a) Upward Until Top Latch (b) Clicks and Holds**



4 **While Holding Pushbar In (a), Rotate Top Rod Until it Slides Into Slot on Device (b)**



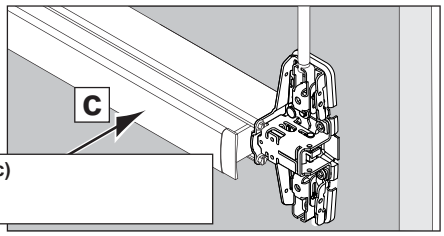
5



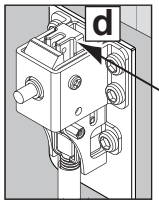
Press Button (a)

So Rod (b) Drops

5 **Continued**



Slowly Depress Pushbar (c)

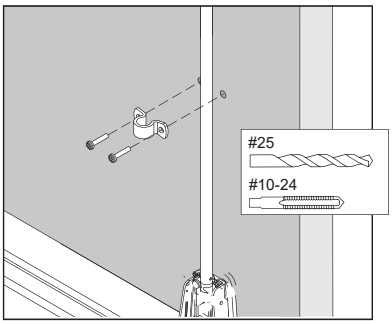


Verify That Top Latch Clicks and Holds (d)

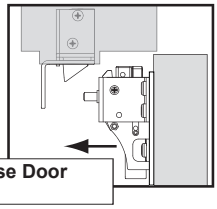
6 **Install Rod Guide(s). See Important Note Below.**

For WS applications, use 1 rod guide centered below the exit device. No spacers are required.

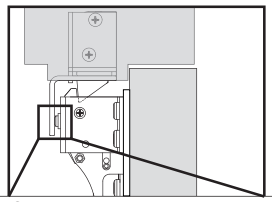
For WS-T applications, use 3 rod guides above and below exit device. Also use a spacer plate under the rod guide nearest the exit device. See page 9 for image of proper installation.



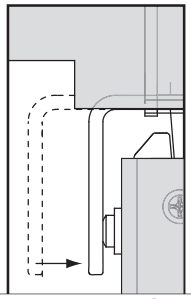
7



Close Door

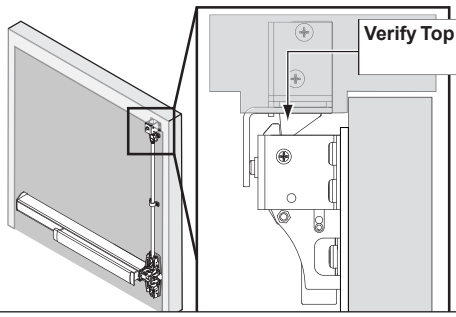


Verify Button is Depressed



If Necessary, Loosen Screw and Adjust Strike

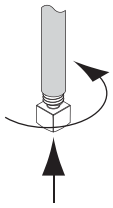
8



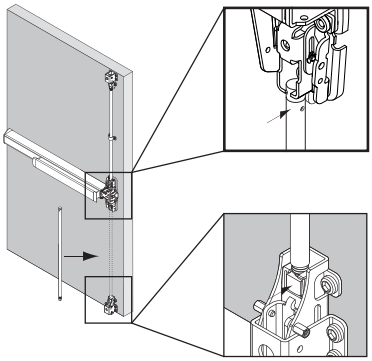
Verify Top Latch is Fully Engaged

Adjust Bottom Rod

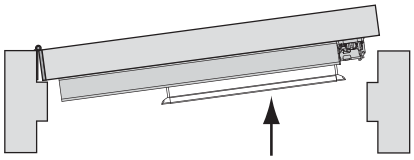
1 **Screw Bottom Rod Fitting All the Way In**



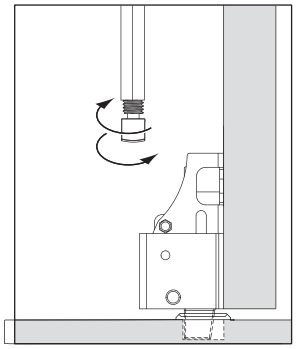
2 **Slide Bottom Rod Ends Into Respective Slots**



3 **Attempt to Open Door By Pressing Pushbar. If Door Will Not Open, Go to Step 4.**



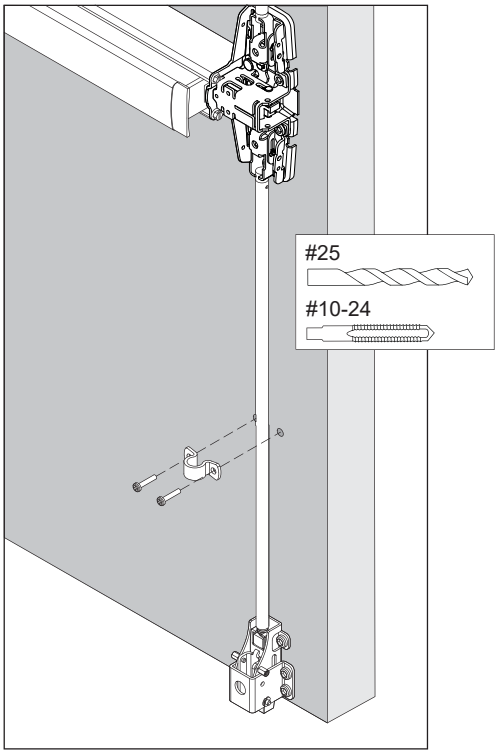
4 **Adjust Bottom Rod Fitting One Turn at a Time Until Door Will Open and Bottom Latch Clears Strike and Floor.**



5 **Install Rod Guide(s). See Important Note Below.**

For WS applications, use 1 rod guide centered below the exit device. No spacers are required.

For WS-T applications, use 3 rod guides above and below exit device. Also use a spacer plate under the rod guide nearest the exit device. See page 9 for images of proper installation.



6 **Test Function**

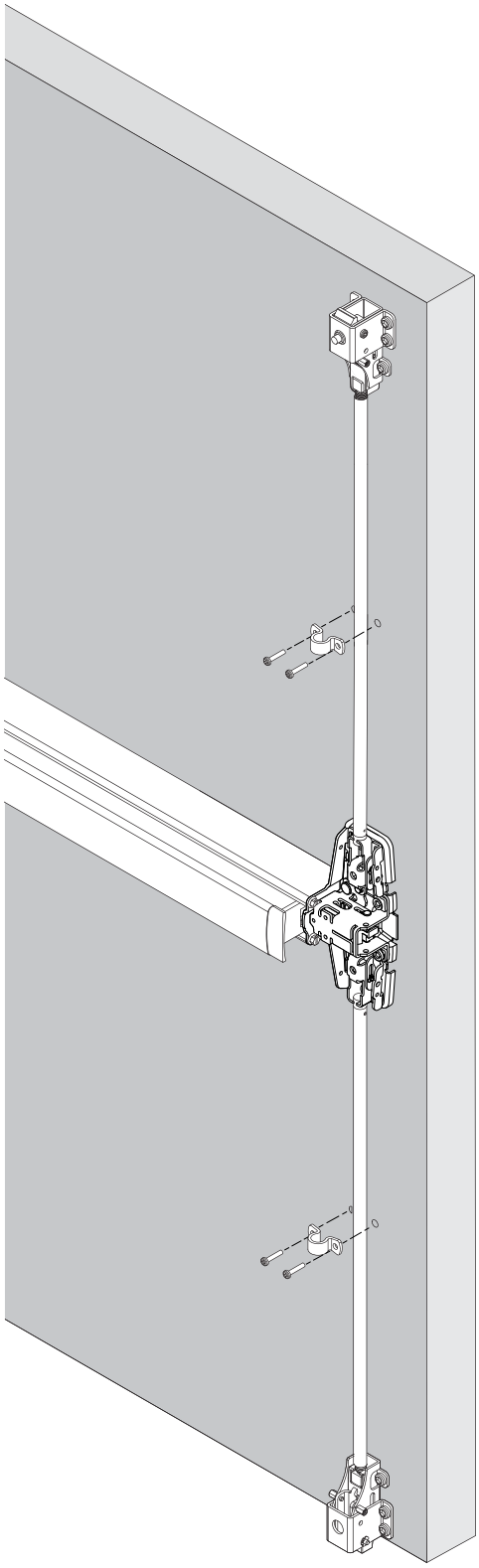
a. Open and close door several times checking for proper latch engagement, retraction, and smooth operation.

b. If device is not functioning properly, redo top and/or bottom rod adjustment as necessary.

Install Rod Guides

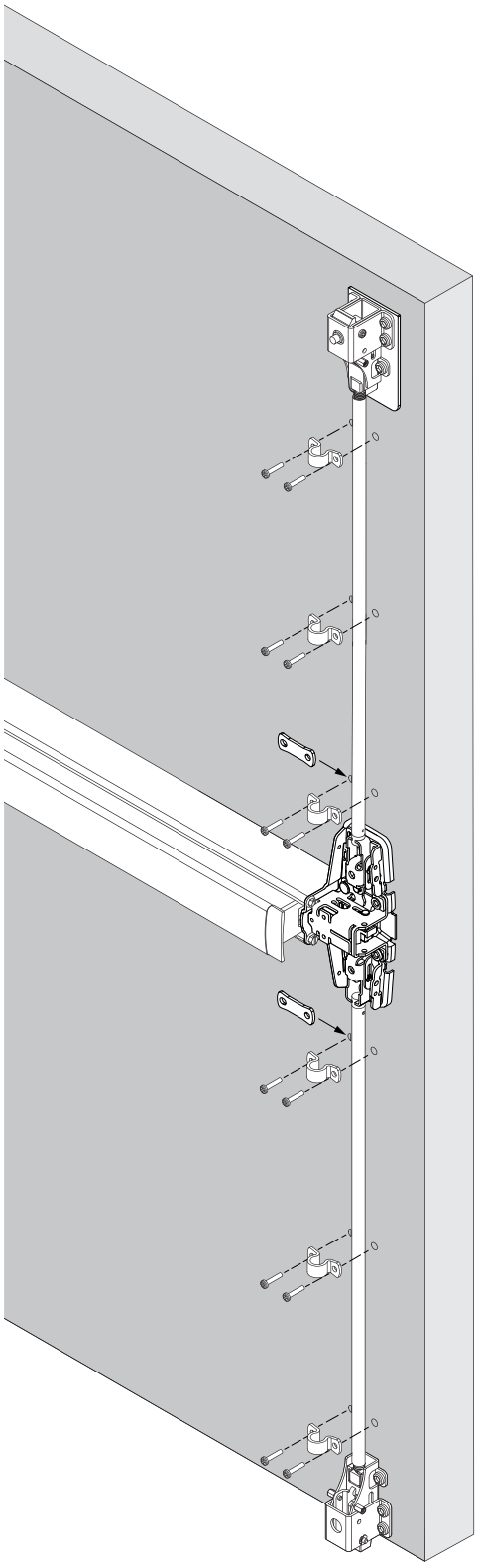
WS Application

For WS applications, use 1 rod guide centered below the exit device. No spacers are required.



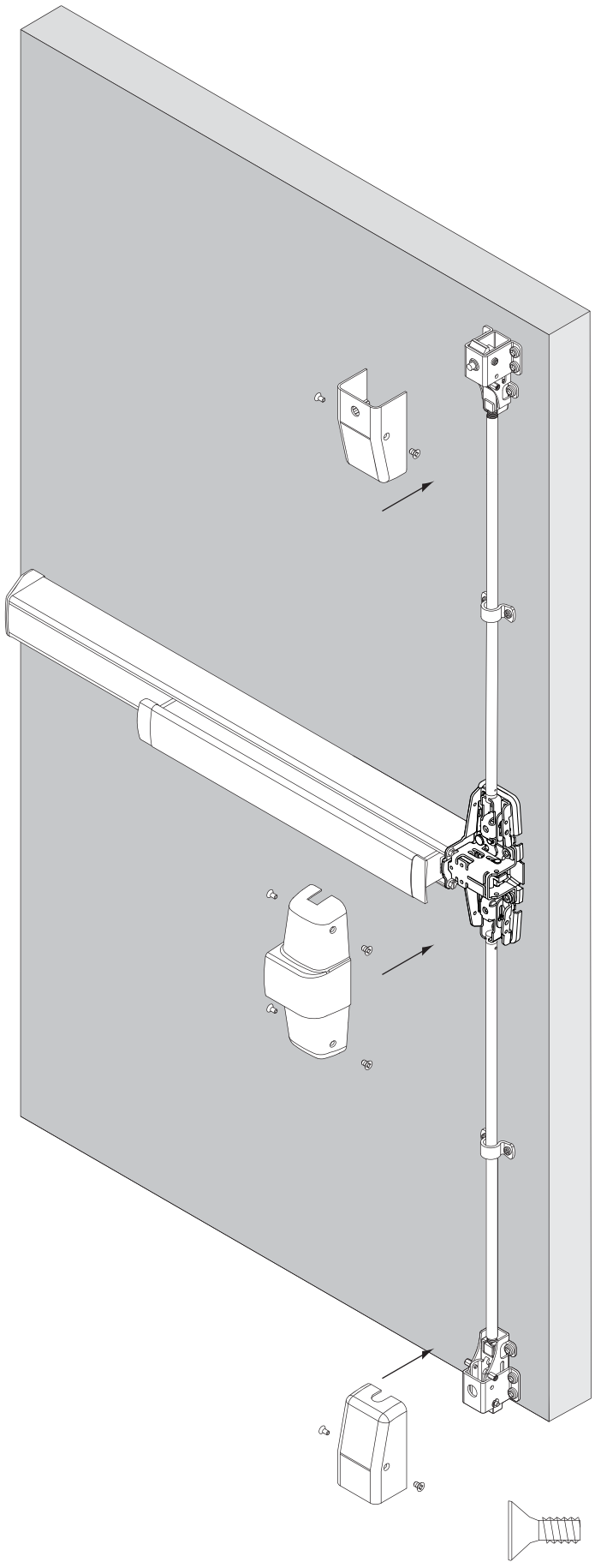
WS-T Application

For WS-T applications, use 3 rod guides above and below exit device. Also use a spacer plate under the rod guide nearest the exit device.

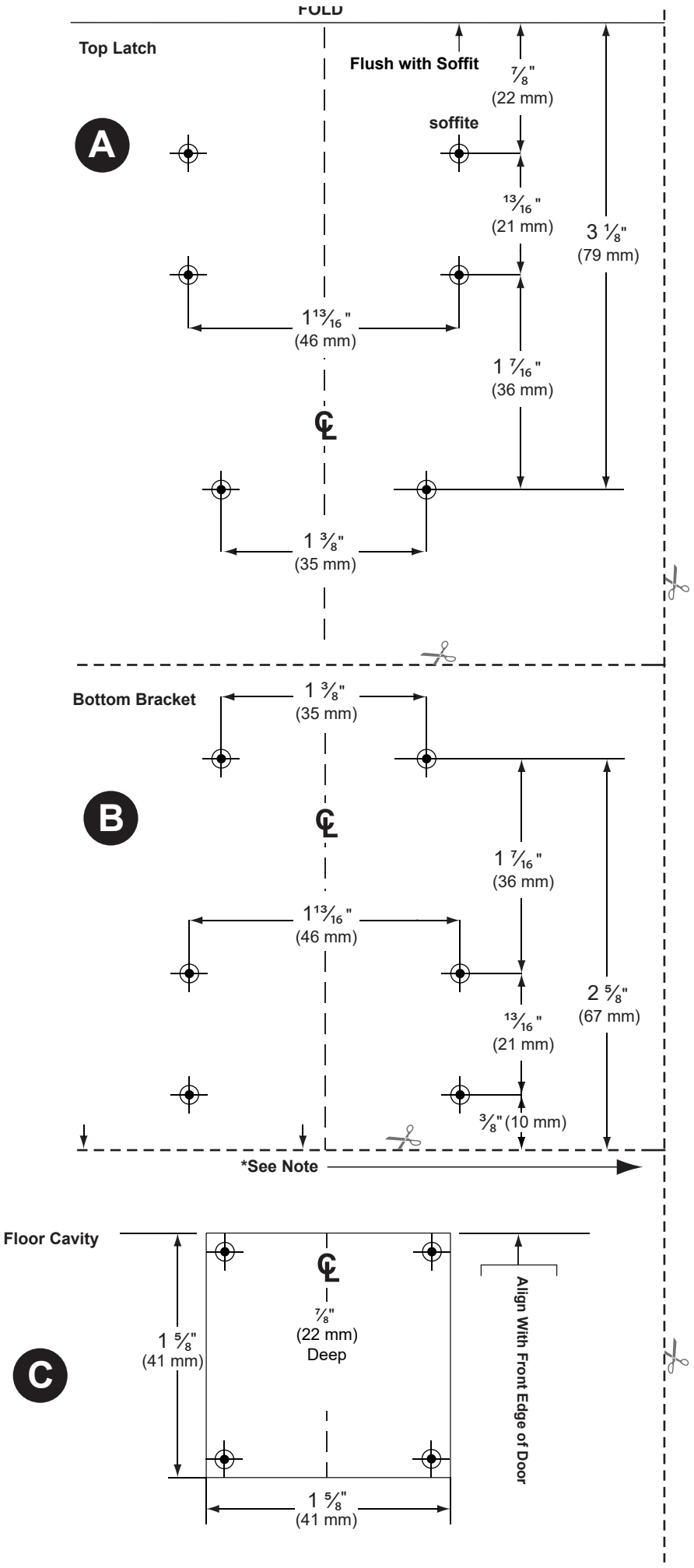


Install covers

WS Application Shown



This page is intentionally left blank.



Note

***Strike installed in floor** - Place template flush with bottom of door.

Threshold applications - Latch will have to move up to match threshold. See their instructions.