



911402-00

# 33/35A Series

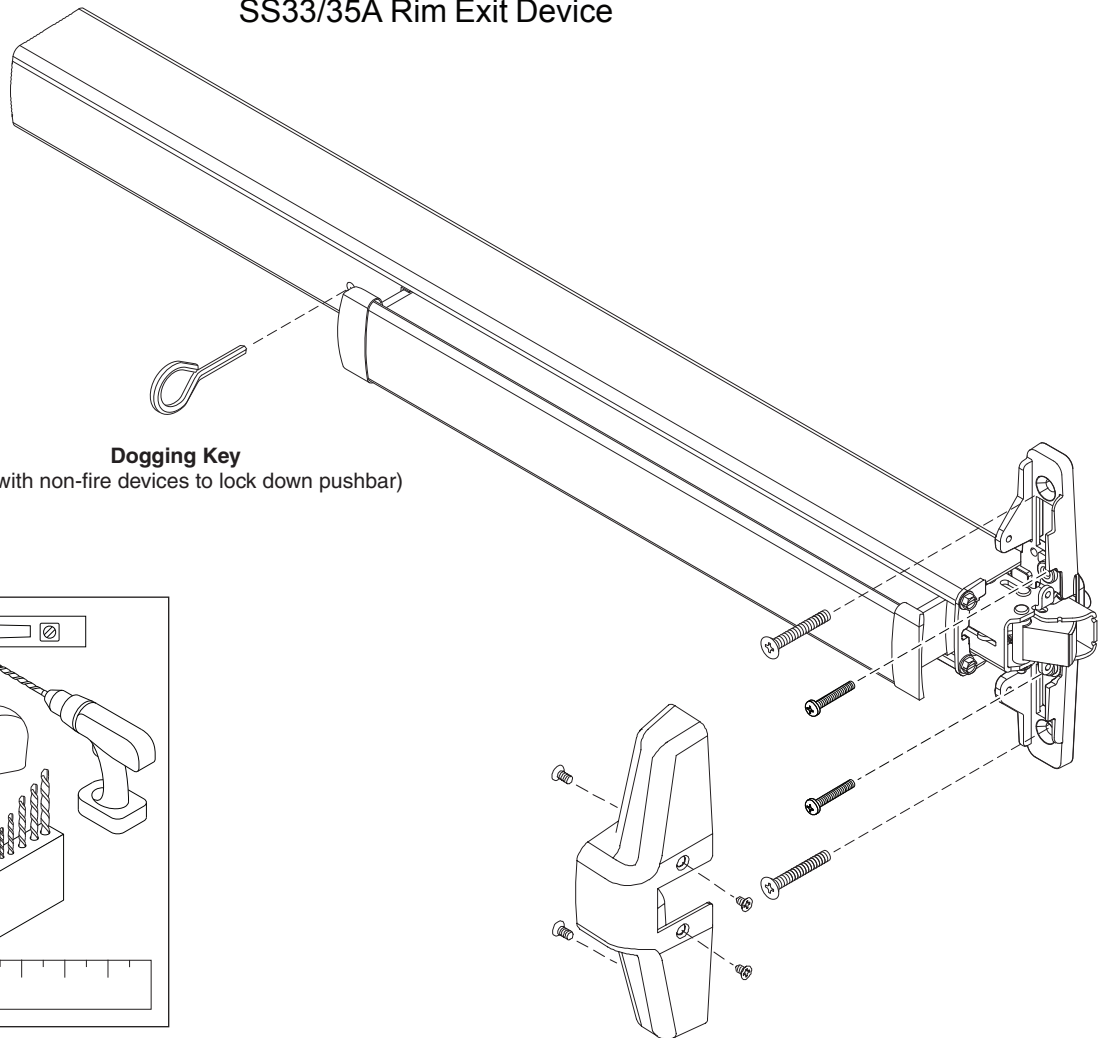
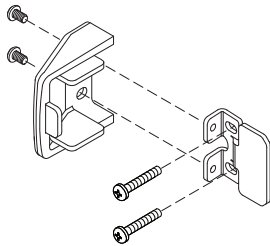
**VON DUPRIN®**

Rim Exit Device

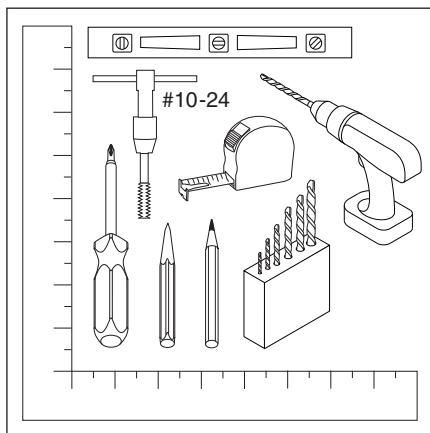
Installation Instructions

## Devices covered by these instructions:

33/35A Rim Exit Device  
33/35A-F Rim Exit Device  
CD33/35A Rim Exit Device  
EL33/35A Rim Exit Device  
SS33/35A Rim Exit Device



**Dogging Key**  
(use with non-fire devices to lock down pushbar)



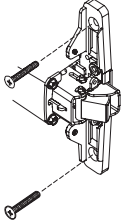
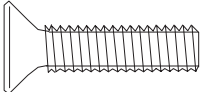
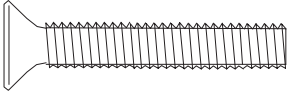
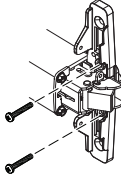
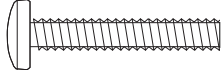
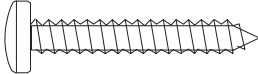
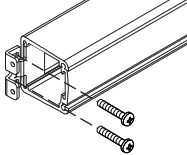
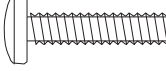
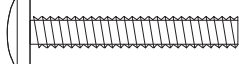
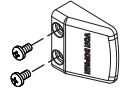
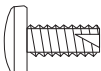
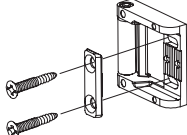
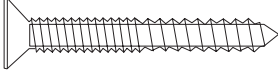
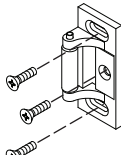
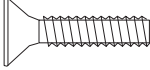
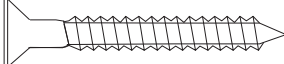
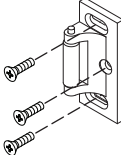
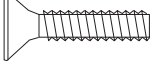
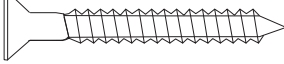
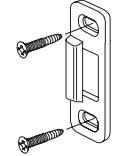
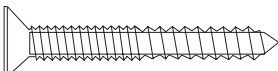
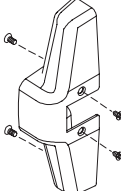

## Customer Service

1-877-671-7011

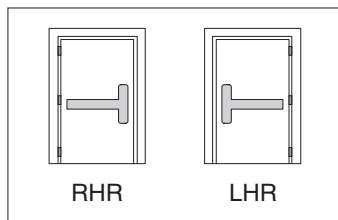
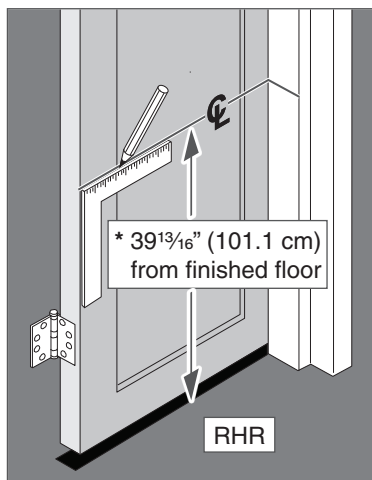
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911402-00 Rev. 05/16-d

## SCREW CHART

Subassembly	Screw	Application
<b>A</b> 	 $\frac{1}{4}$ -20 x 1" (25 mm)  $\frac{1}{4}$ -20 x 1- $\frac{1}{2}$ " (38 mm)	Trim mount or sex bolts: 1 $\frac{3}{4}$ " (44 mm) door  2 $\frac{1}{4}$ " (57 mm) door
<b>B</b> 	 #10-24 x 1" (25 mm)  #10 x 1 $\frac{1}{4}$ " (32 mm) Wood screw	Metal door surface mount (Yellow)  Wood door surface mount
<b>C</b> 	 #10-24 x $\frac{3}{4}$ " (19 mm)  #10-24 x 1 $\frac{1}{8}$ " (29 mm)	Surface mount or Sex bolts 1 $\frac{3}{4}$ " (44 mm) door  Sex bolts, 2 $\frac{1}{4}$ " (57 mm) door
<b>D</b> 	 #10-16 x $\frac{3}{8}$ " (10 mm) Thread cutting	End cap
<b>E</b> 	 #10-12 x 10-24 x 1 $\frac{1}{4}$ " (32 mm) combination	Metal or wood frame
<b>F</b> 	 #10-24 x $\frac{3}{4}$ " (19 mm)  #10 x 1 $\frac{1}{2}$ " (38 mm) Wood screw	Metal frame  Wood frame
<b>G</b> 	 #10-24 x $\frac{3}{4}$ " (19 mm)  #10 x 1 $\frac{1}{2}$ " (38 mm) Wood screw	Metal frame  Wood frame
<b>H</b> 	 #10-12 x 10-24 x 1 $\frac{1}{4}$ " (32 mm) combination	Metal or wood frame
<b>I</b> 	 #8-18 x $\frac{3}{8}$ " (10 mm) Thread cutting	Center case cover

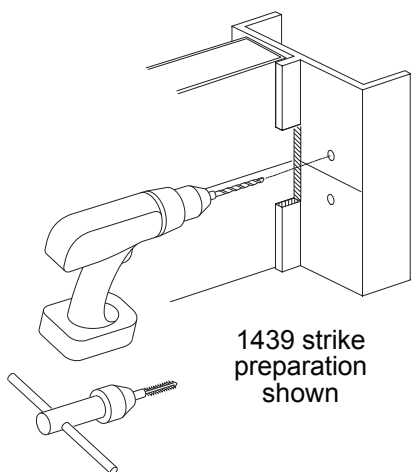
## 1 Draw horizontal device and strike center lines (☿).



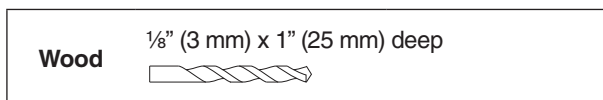
\* For double doors with a mullion and strike already installed, use existing strike center line.

## 2 Prepare frame for strike using paper templates.

① See pages 8 through 12 for strike templates and frame preparation dimensions.



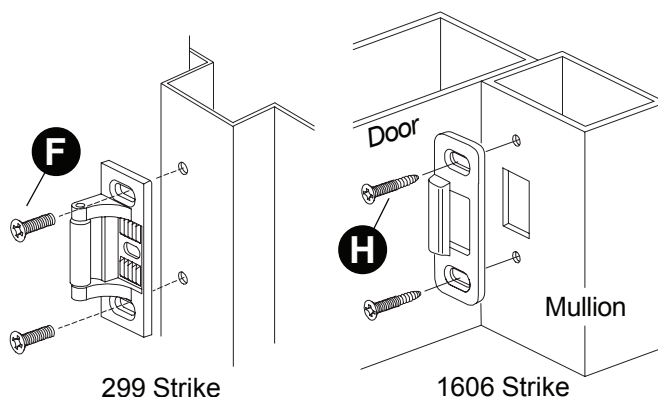
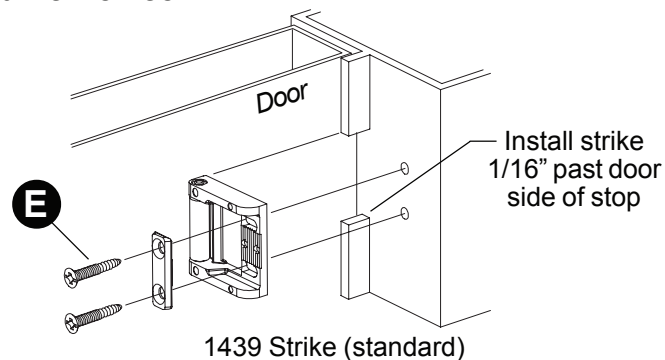
OR



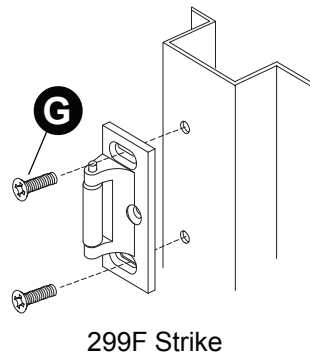
① See “Screw Chart” on previous page for screw types and sizes.

## 3 Install strike using two screws only at this time.

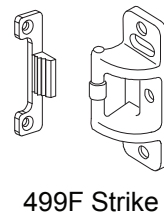
### Panic Device



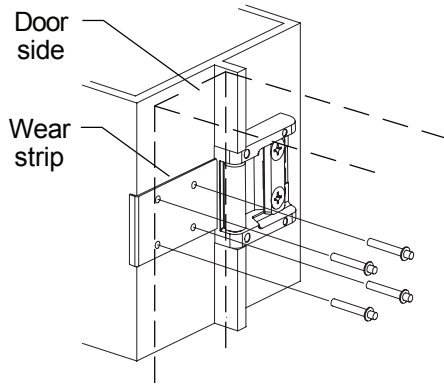
### Fire Rated Device



① For 499F strike installation, see page 6.



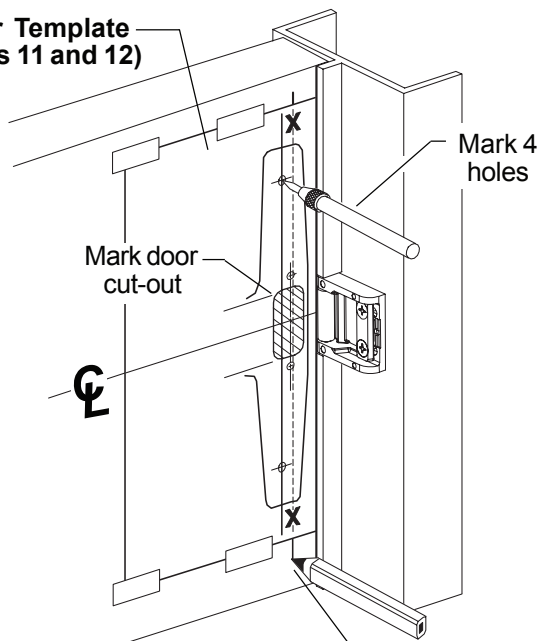
**4** If using a 1439 strike, install wear strip. If not, go to step 5.



- A. Center wear strip on strike as shown.
- B. Mark and drill 1/8" dia. holes (4 places).
- C. Install wear strip with flat head drive rivets (4 places) from 1439 strike package.

**5** Tape template to door and mark door.

Paper Template  
(pages 11 and 12)

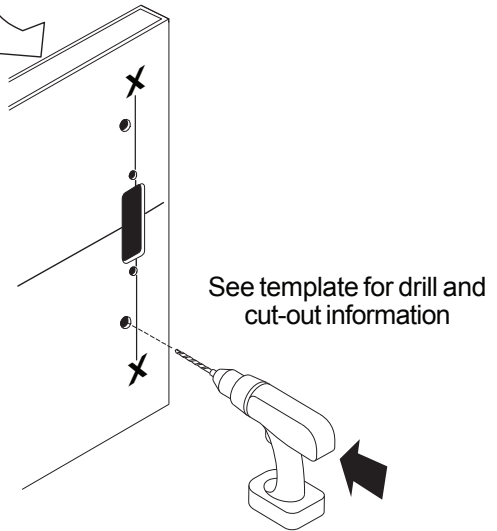


Mark vertical line **X-X** for trim alignment

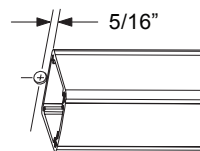
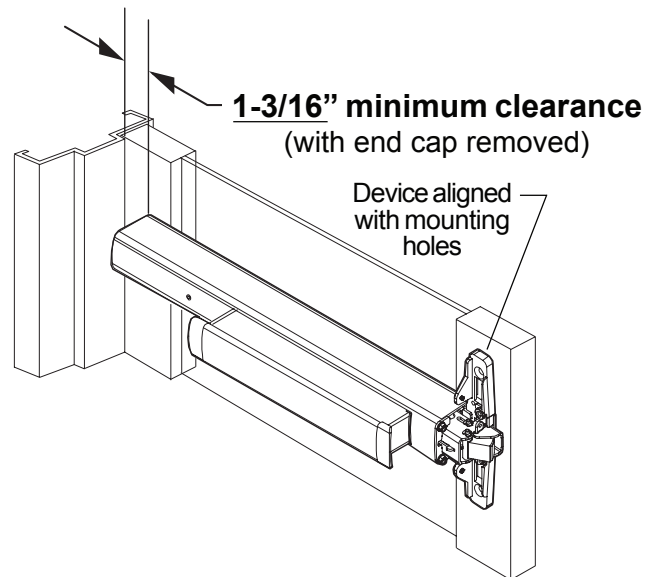
Note: Line X-X is a reference line on the paper template used for trim and exit device alignment. Line X-X shown here should correspond to line X-X in the trim installation instructions

**6** Prepare lock side of door for device and trim.

See trim instructions for pull side door preparation.



**7** Measure to determine length to cut device.

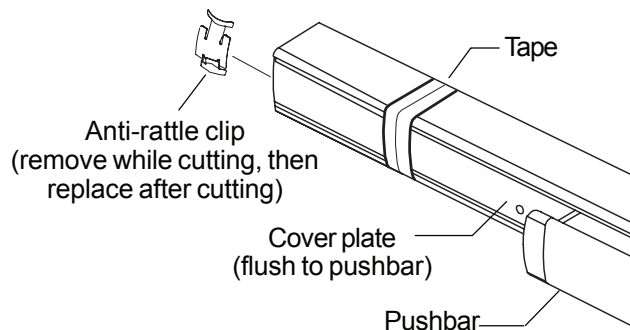


**Note**

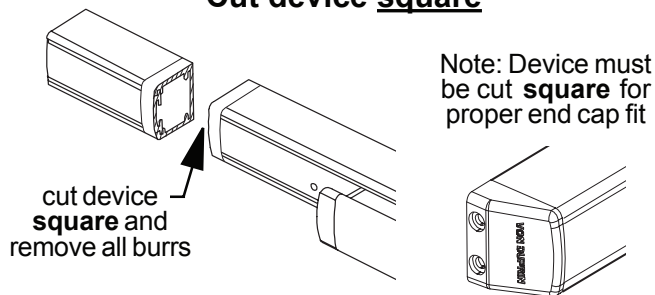
If 5/8" diameter wire access hole has been predrilled in door, cut device 5/16" from center of hole.

## 8 If necessary, cut device.

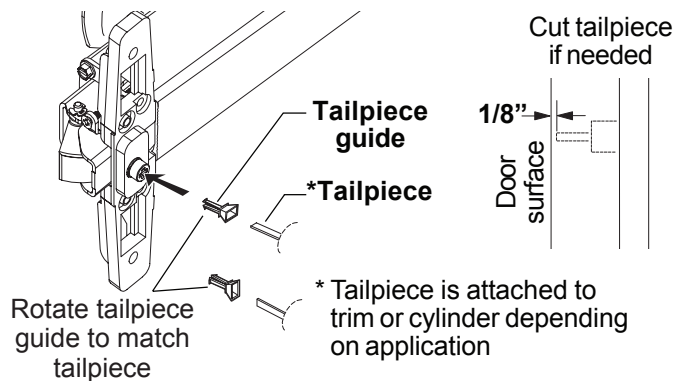
### Prepare device for cutting



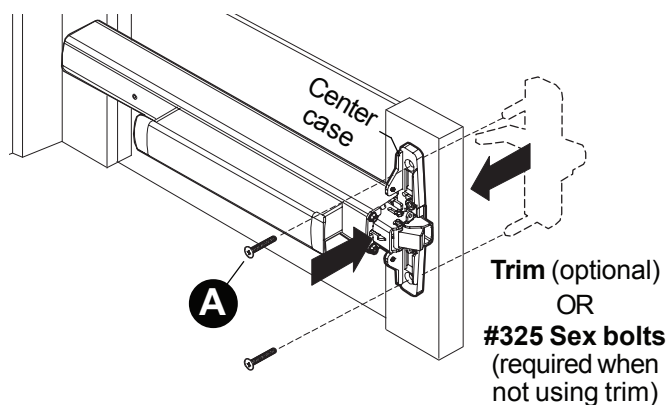
### Cut device square



## 9 If using a cylinder with a tailpiece, prepare device and cylinder.

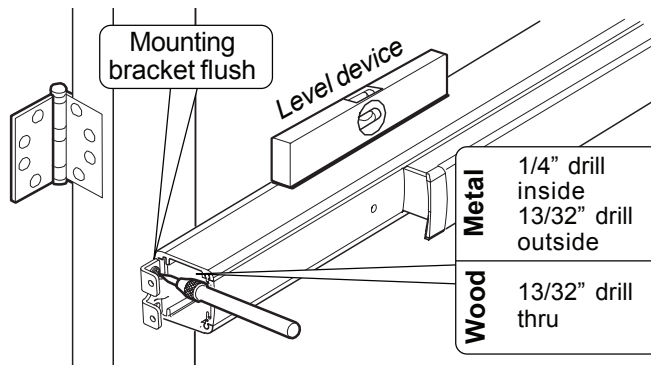


## 10 Attach center case to door.

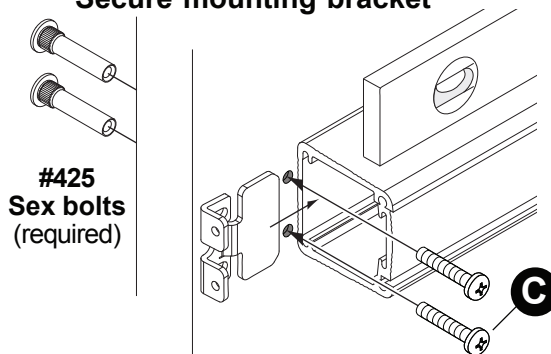


## 11 Install hinge stile mounting bracket.

### Mark and prepare 2 mounting holes

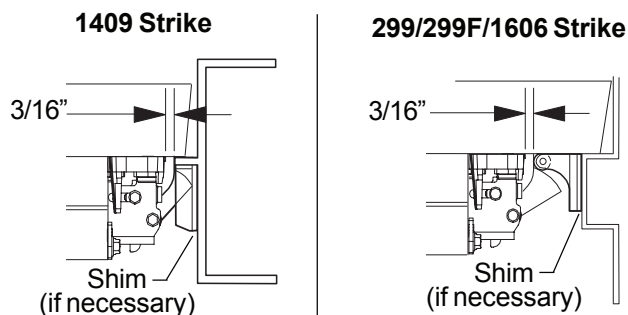


### Secure mounting bracket

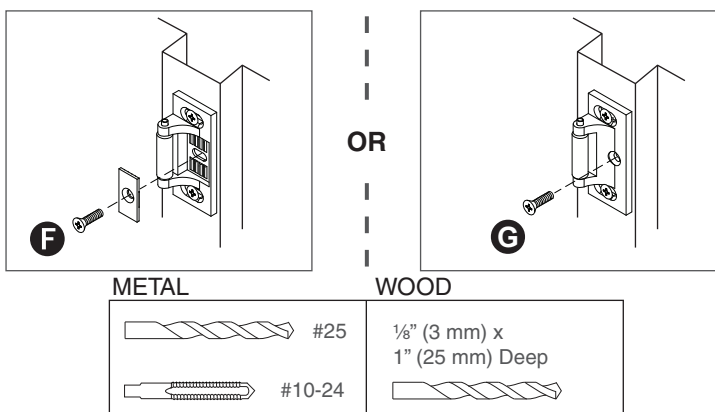


## 12 Adjust strike as needed.

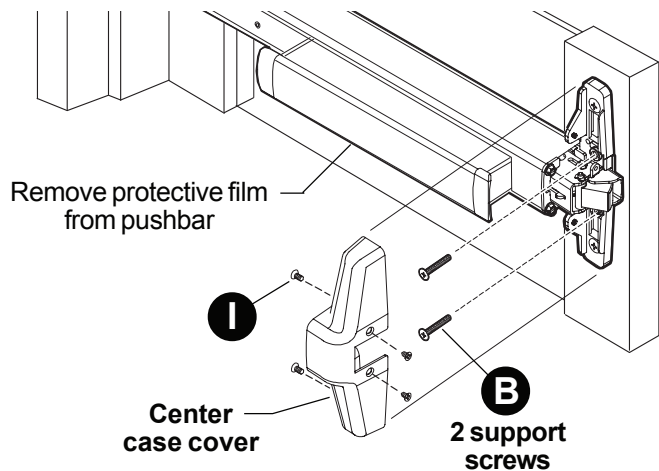
### Shim strike for 3/16" clearance to chassis



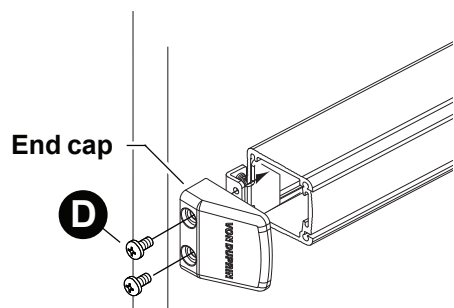
## 13 Install strike support screw.



## 14 Install 2 support screws and center case cover

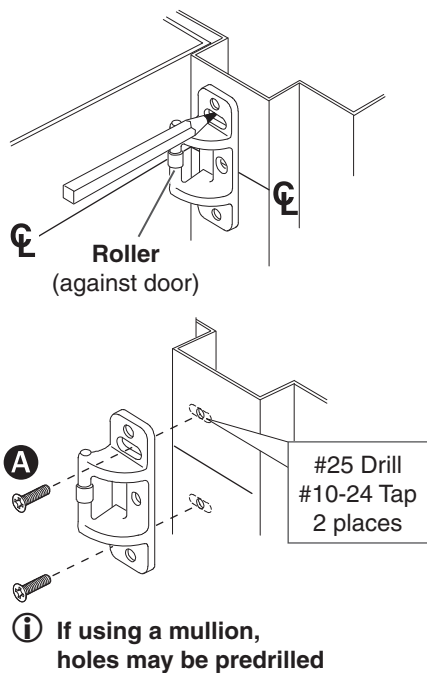


## 15 Install 2 support screws and center case cover

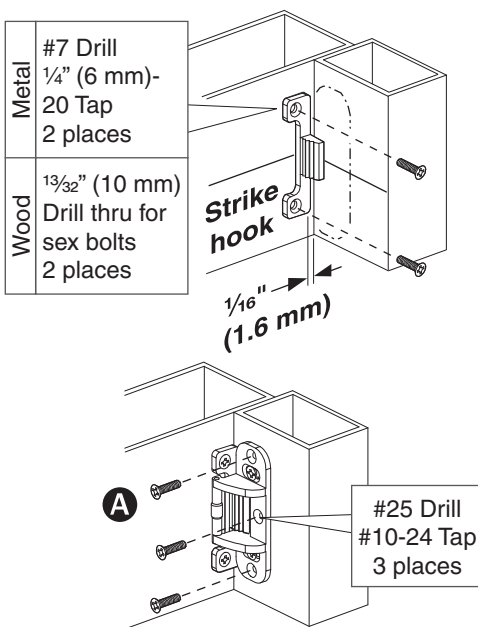


## 499F STRIKE INSTALLATION

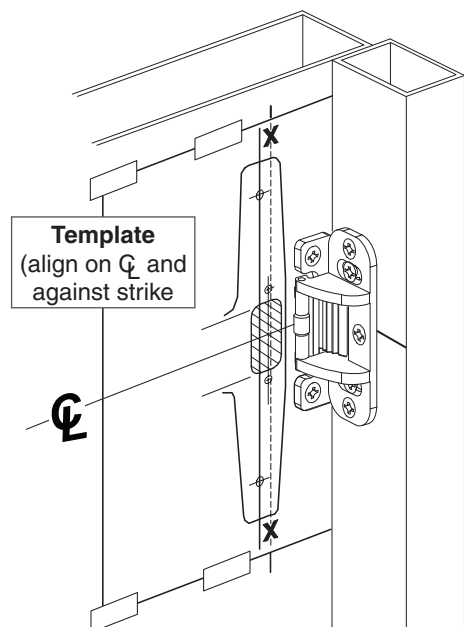
### 1. Prepare and install screws through two strike slots.



### 2. Install strike hook and additional strike screws.

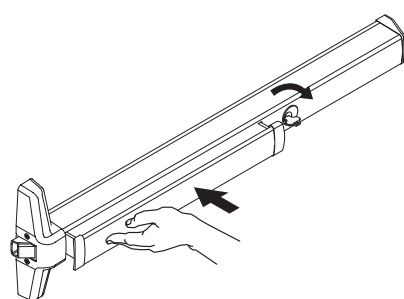
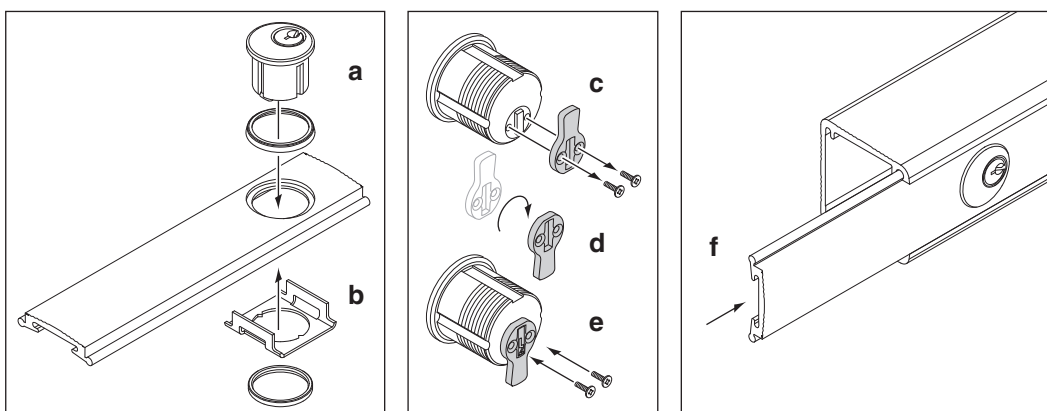


### 3. Template aligns as shown.

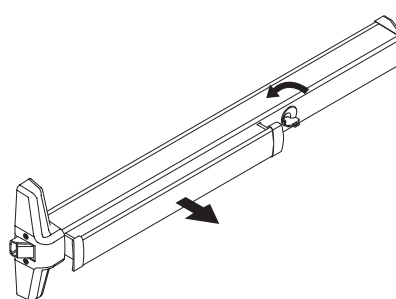


## OPTIONAL EQUIPMENT

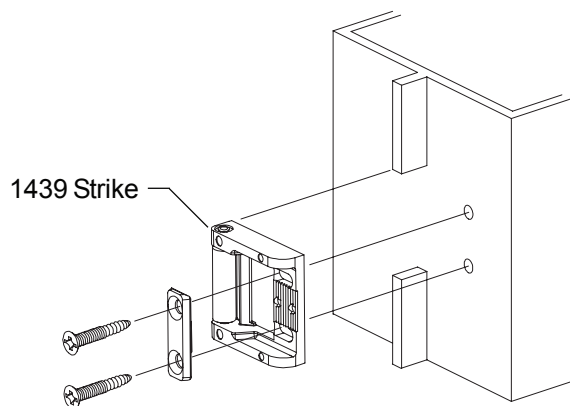
### CD (Cylinder Dogging) Option



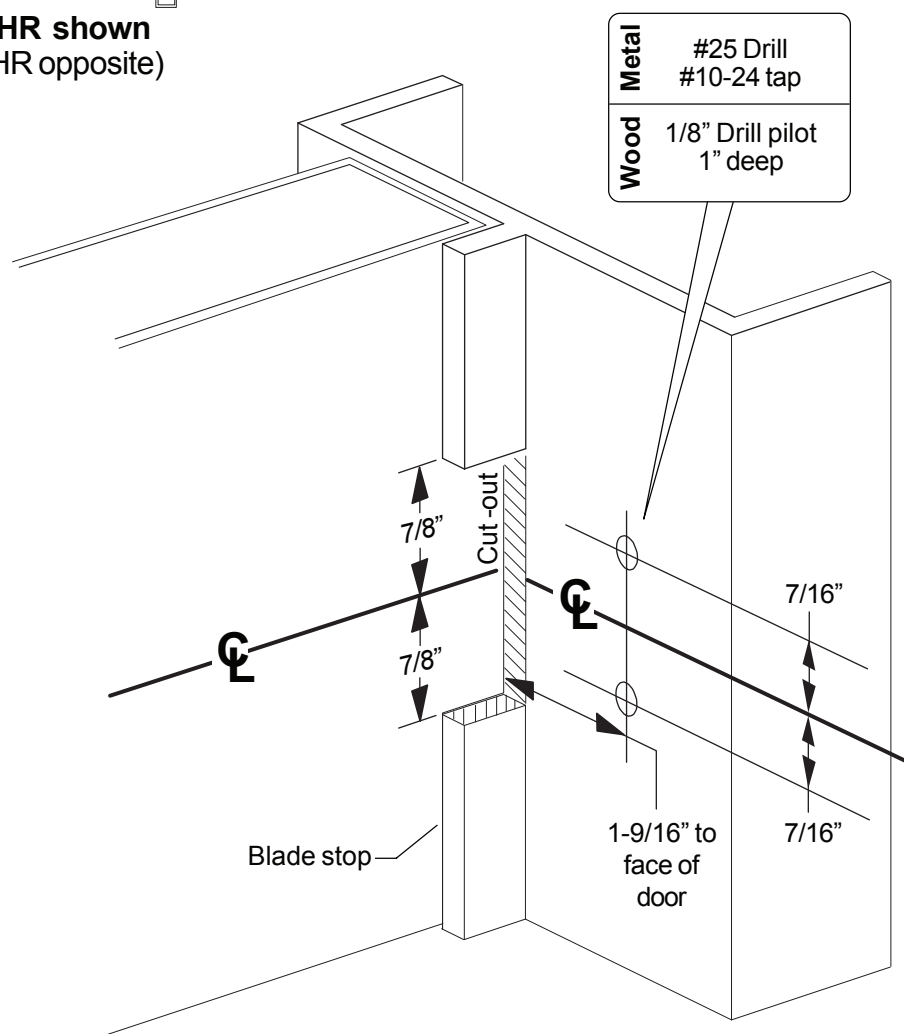
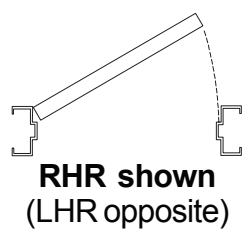
Dog



Undog

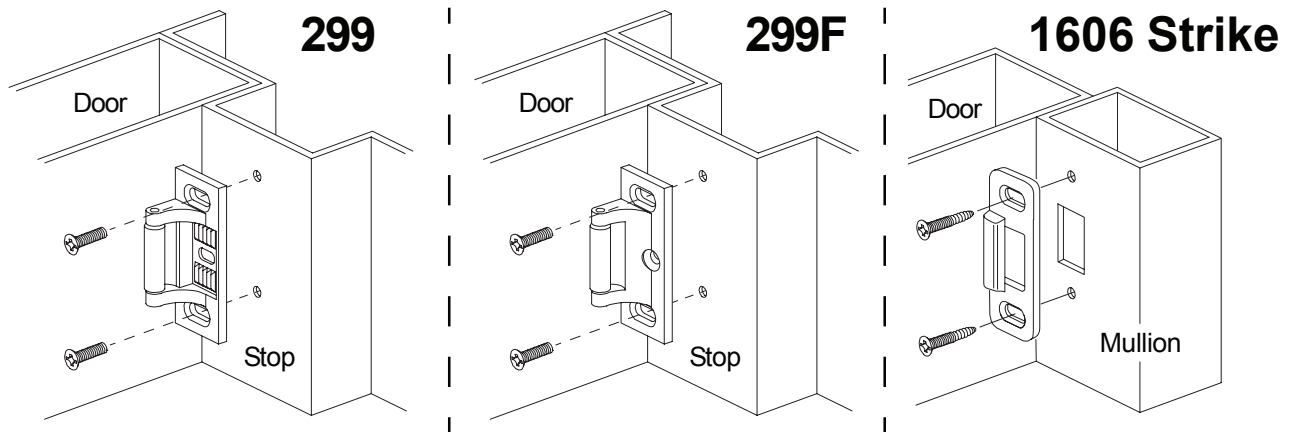


# 1439 Strike Frame Preparation

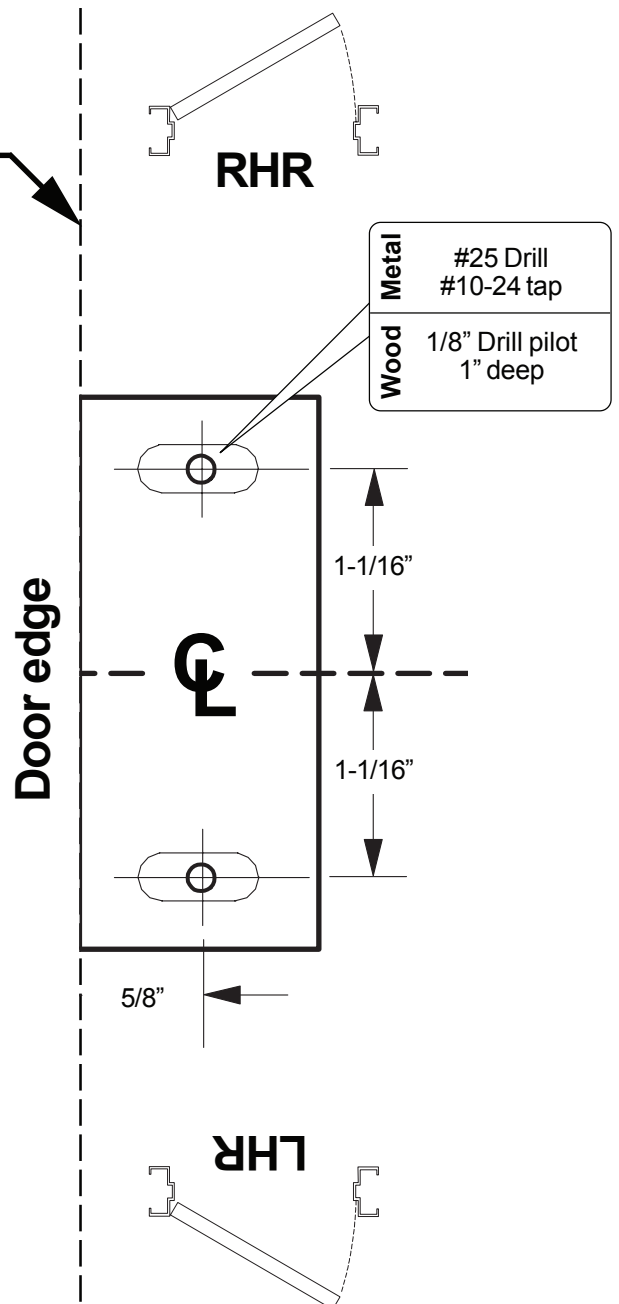
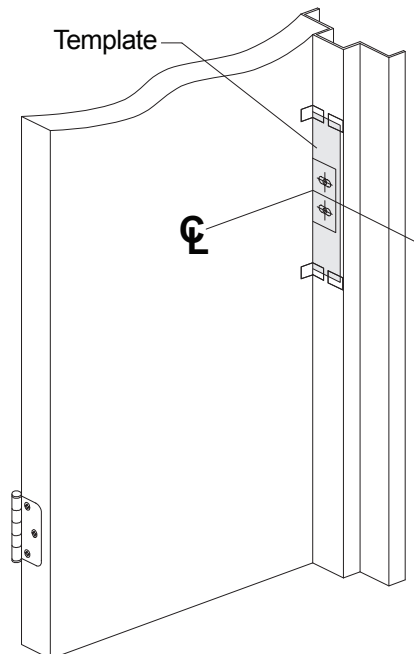




# 299/299F/1606 Strike Template



Cut paper along this line and place on door stop against edge of door (see picture below)



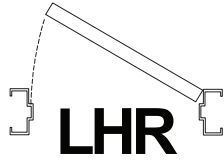
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# 33/35A Rim device Template

Line X-X is a reference line for trim and exit device alignment.  
Line X-X shown here should correspond to line X-X in the trim installation instructions

**X**  
C of device

1/4"



Holes - 2 places	
<b>Metal</b>	#25 drill inside #10-24 tap
<b>Wood</b>	1/8" diameter drill 1" deep pilot hole

Cut-out  
device side only  
5/8" deep for  
wood door

Align this line  
with edge of  
strike or roller

3/16"

3-1/8"

1-3/16"

7/8"

C of device

7/8"

1-3/16"

1/4"  
Radius

7/32"

3-1/8"

7/8"

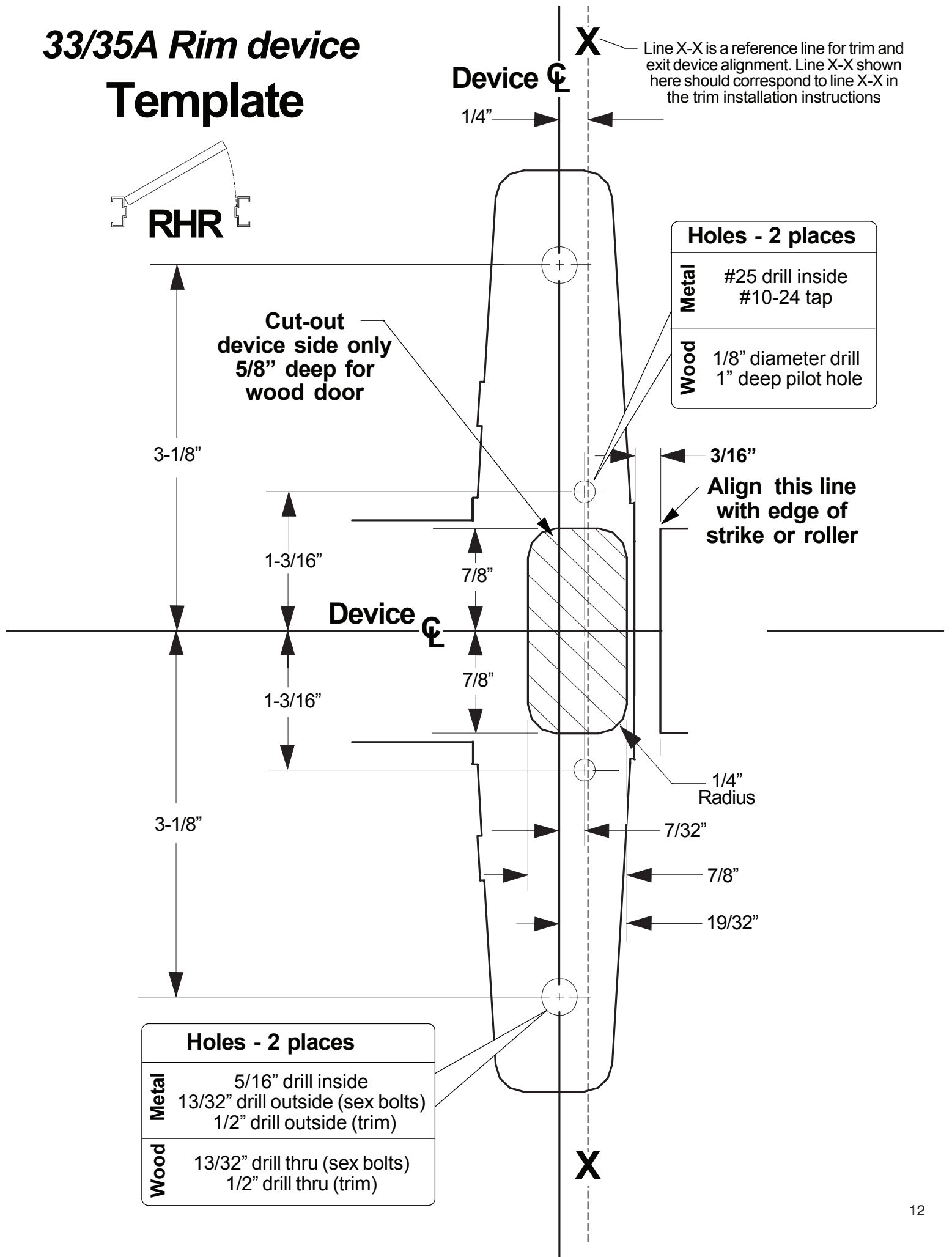
19/32"

## Holes - 2 places

<b>Metal</b>	5/16" drill inside 13/32" drill outside (sex bolts) 1/2" drill outside (trim)
<b>Wood</b>	13/32" drill thru (sex bolts) 1/2" drill thru (trim)

**X**

# 33/35A Rim device Template





941093-00

388NL

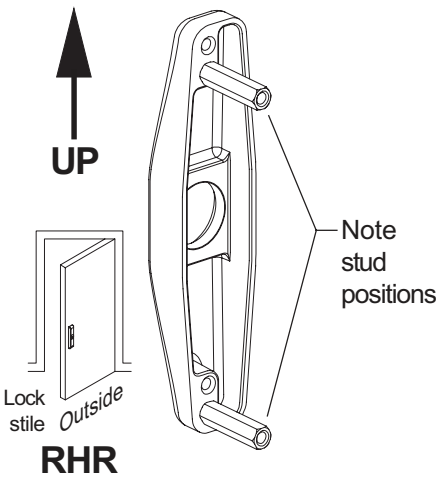
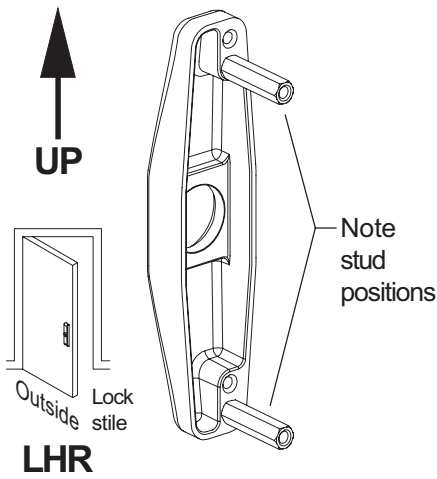
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Cylinder Control

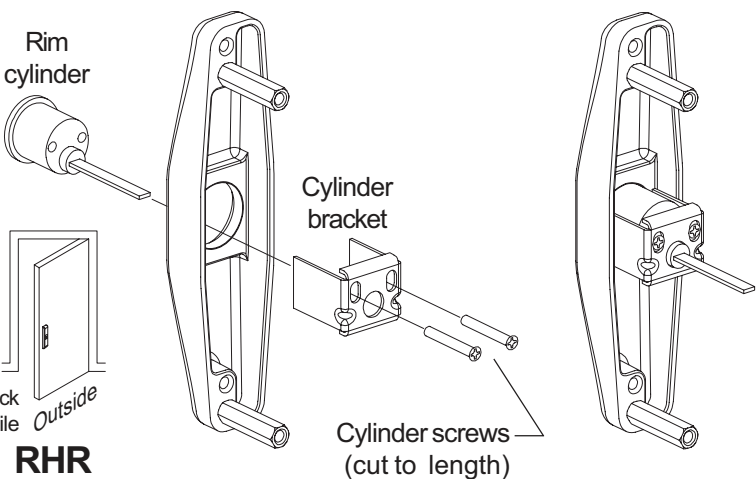
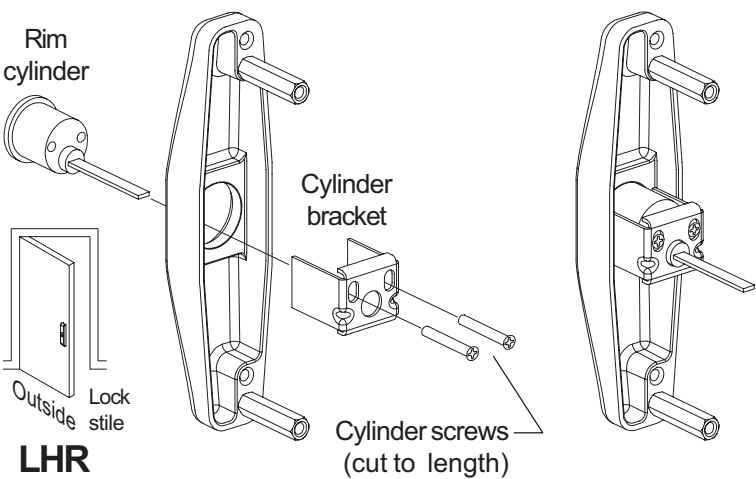
Installation Instructions

1 Prepare door for exit device.	To Adjust Tailpiece Length
See exit device instructions for locations of holes, backset (line X-X) and center lines.	Cut cylinder tailpiece as shown.
2 Prepare door for control:	
2a Transfer line X-X from inside (exit device) side of door to outside (control side) of door. Use extra care if edge of door is beveled. Be sure line X-X is parallel to edge of door.	
2b Locate and prepare holes as shown on other side.	
3 Prepare control:	
3a Orient control as shown for your application (RHR or LHR) and make sure mounting studs are in positions shown. If not, move mounting studs to correct positions.	
3b Install cylinder.	
3c If necessary, adjust tailpiece length.	
4 Apply exit device and control.	

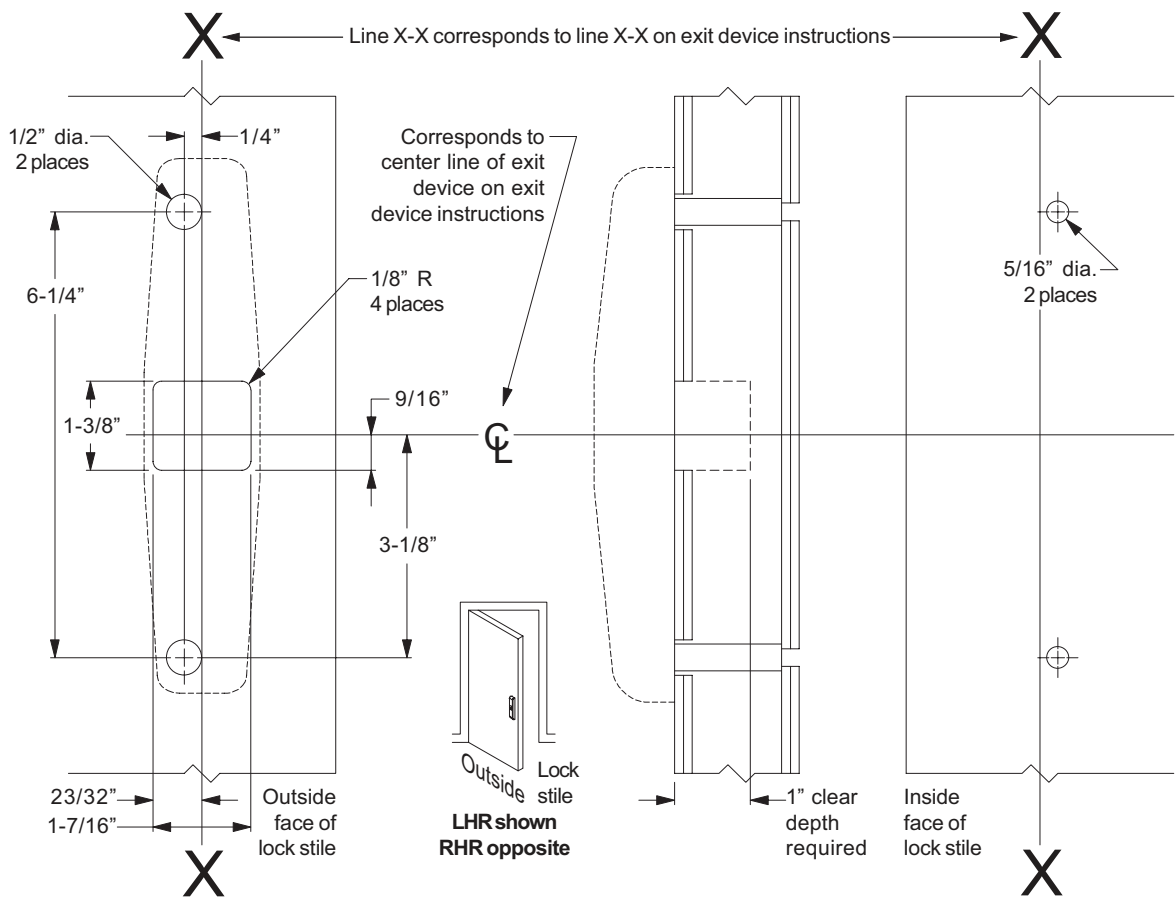
CONTROL AND MOUNTING STUD POSITIONS



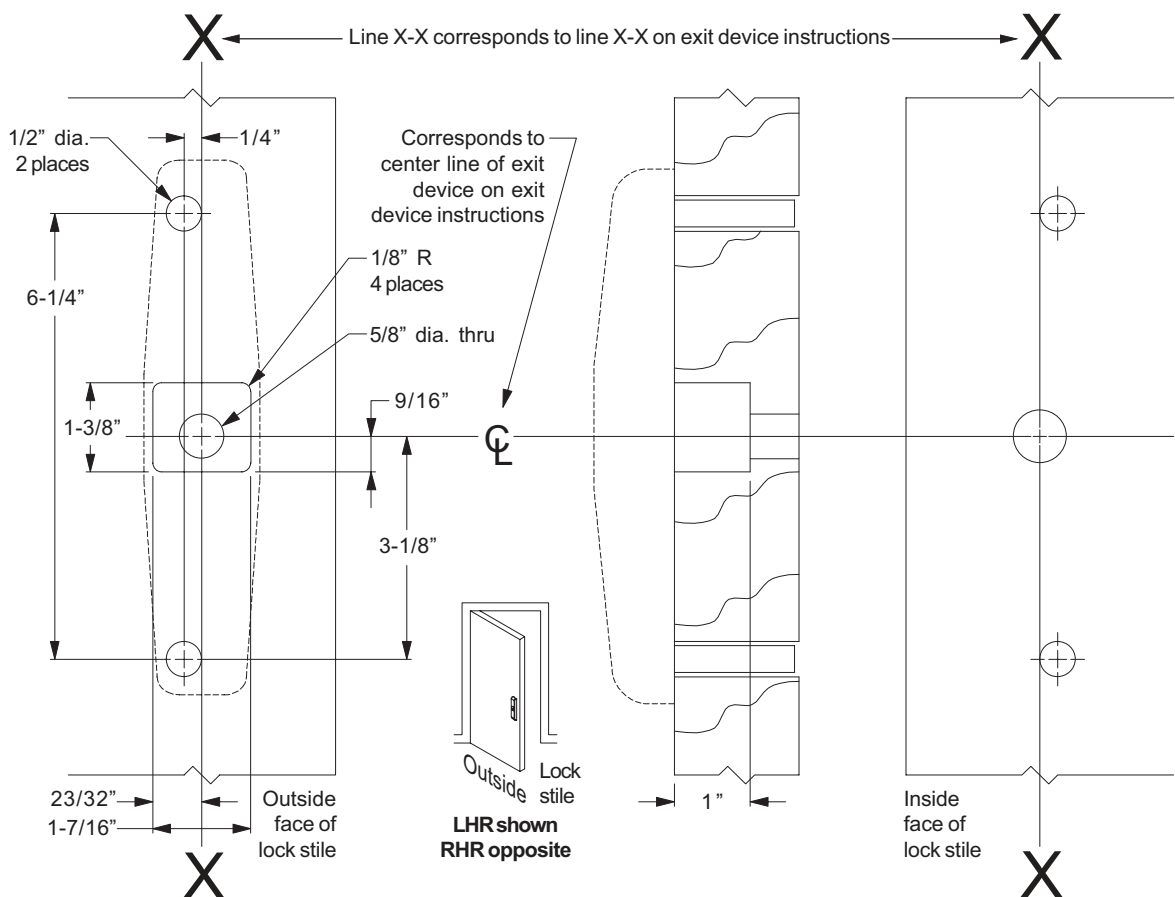
TO INSTALL CYLINDER



Door Preparation, Metal Door Application



Door Preparation, Wood Door Application



For cutouts on inside face of door, see exit device instructions.

Device Application Schedule
33A/35A Rim Device
3327A/3527A Vertical Rod Device
3347A/3547A Vertical Rod Device
3348A/3548A Vertical Rod Device
3327A-F/3527A-F Vertical Rod Device
3347A-F/3547A-F Vertical Rod Device
3348A-F/3548A-F Vertical Rod Device