



911402-00

# 33/35A Series

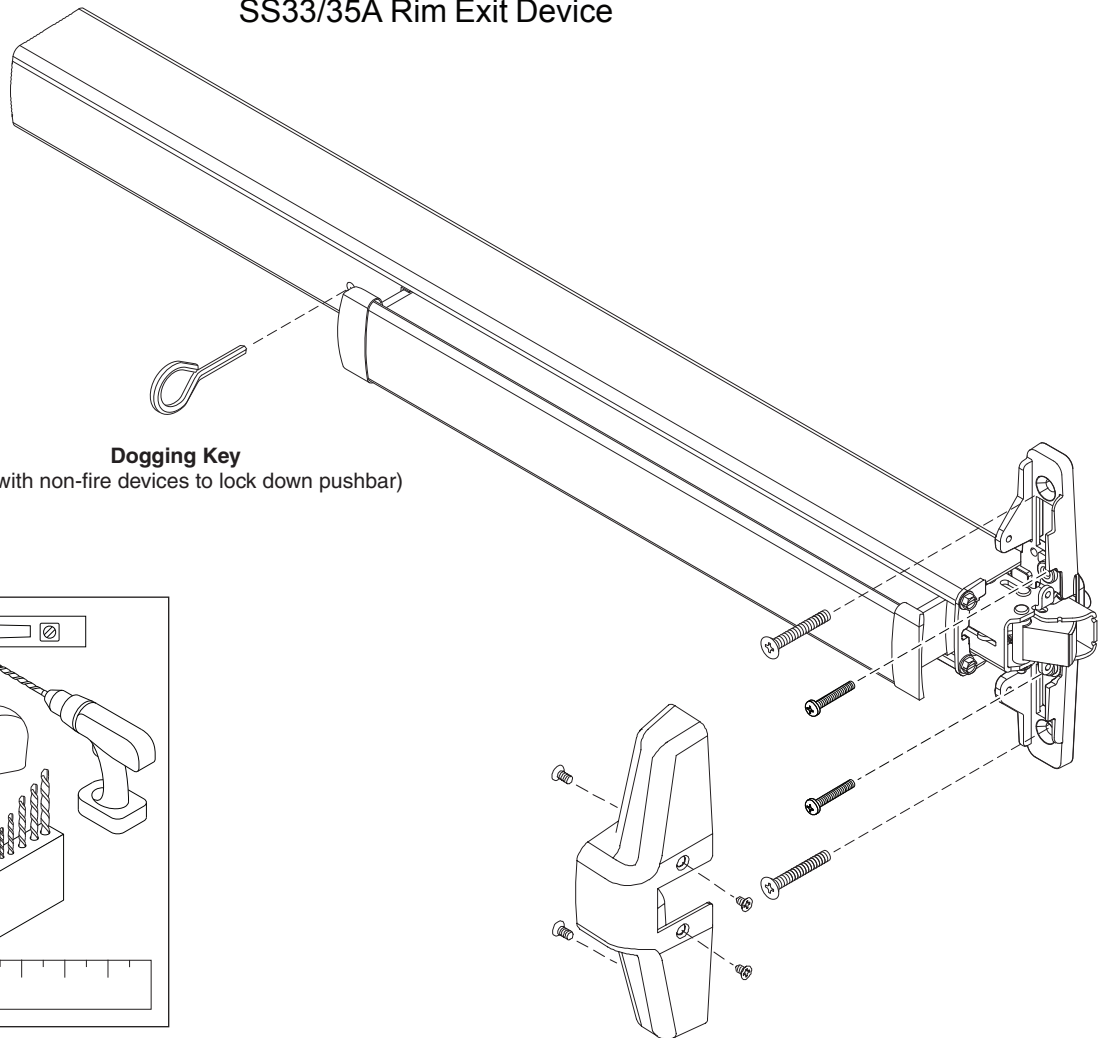
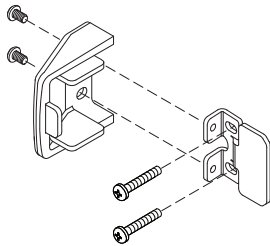
**VON DUPRIN®**

Rim Exit Device

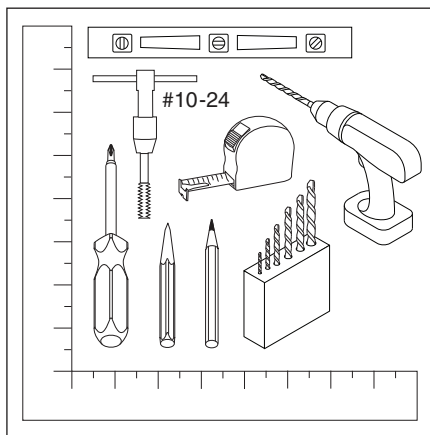
Installation Instructions

## 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)



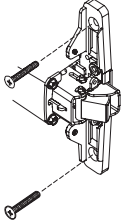
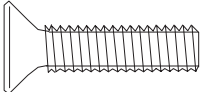
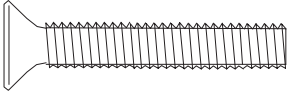
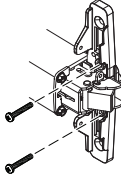
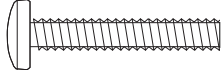
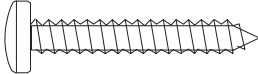
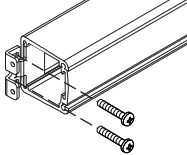
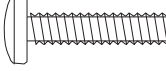
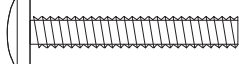
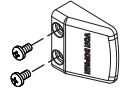
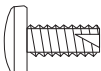
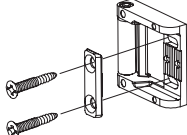
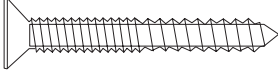
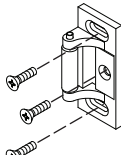
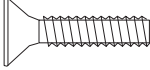
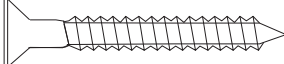
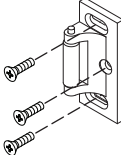
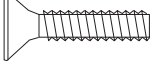
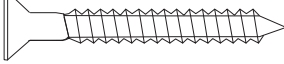
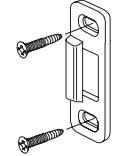
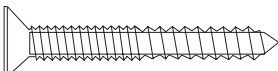
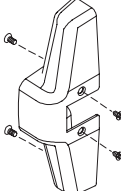

## Customer Service

1-877-671-7011

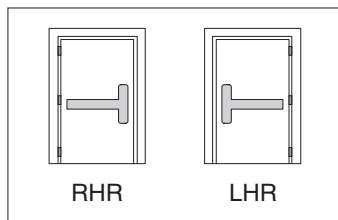
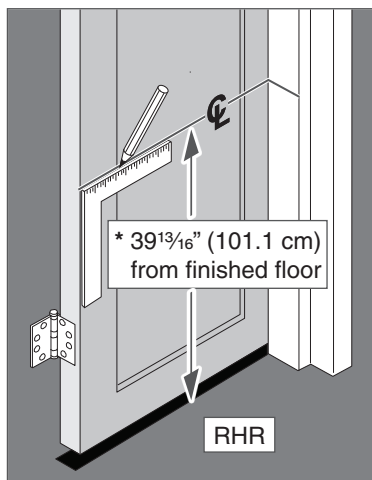
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## SCREW CHART

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

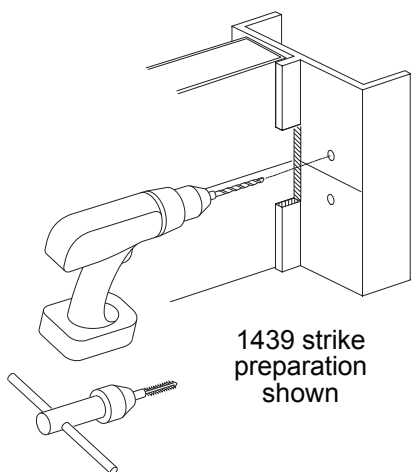
## 1 Draw horizontal device and strike center lines (☿).



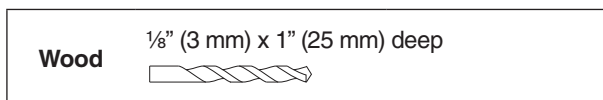
\* For double doors with a mullion and strike already installed, use existing strike center line.

## 2 Prepare frame for strike using paper templates.

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



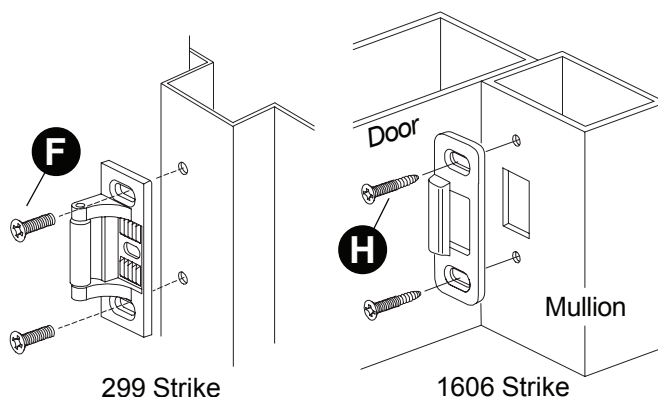
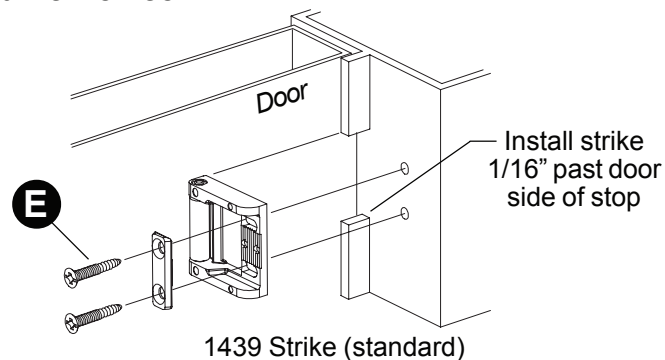
OR



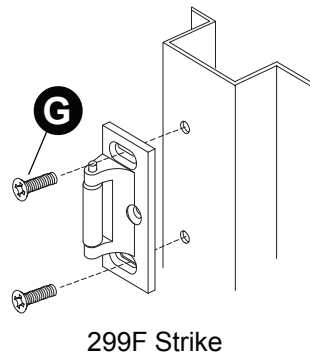
① See “Screw Chart” on previous page for screw types and sizes.

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

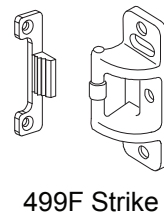
### Panic Device



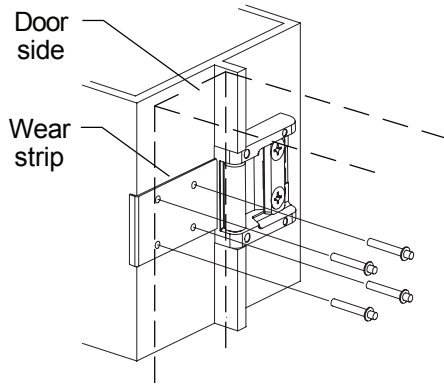
### Fire Rated Device



① For 499F strike installation, see page 6.



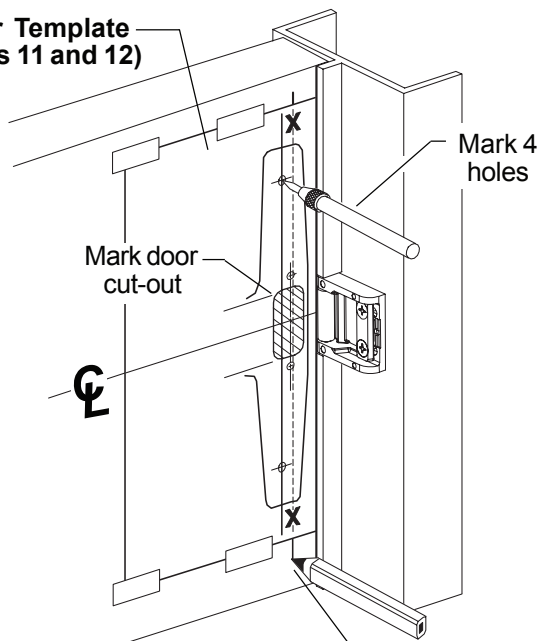
**4** If using a 1439 strike, install wear strip. If not, go to step 5.



- 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)

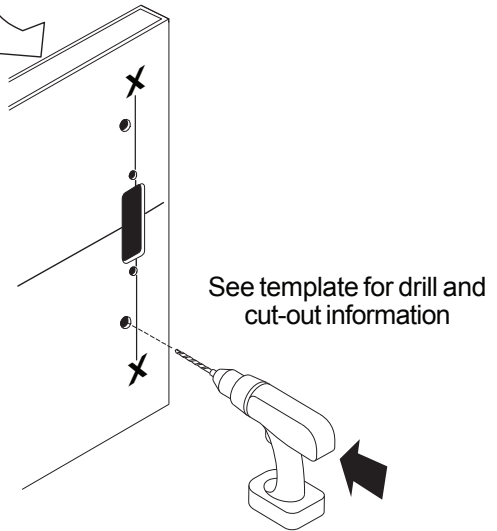


Mark vertical line **X-X** for trim alignment

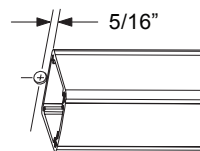
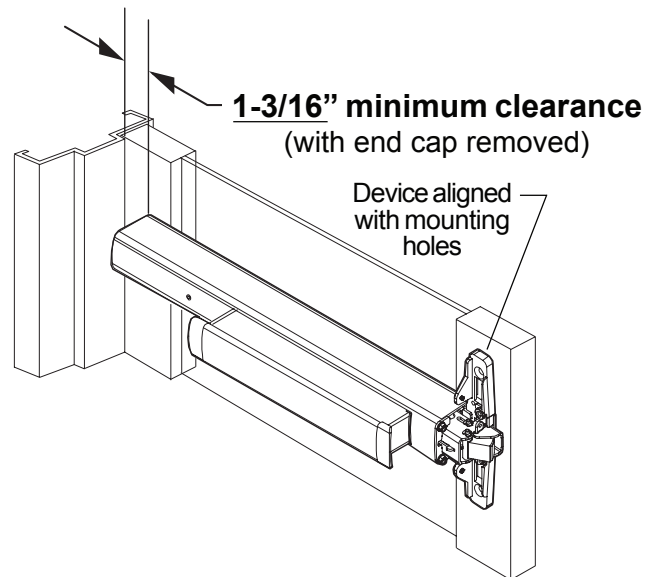
Note: Line X-X is a reference line on the paper template used for trim and exit device alignment. Line X-X shown here should correspond to line X-X in the trim installation instructions

**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.

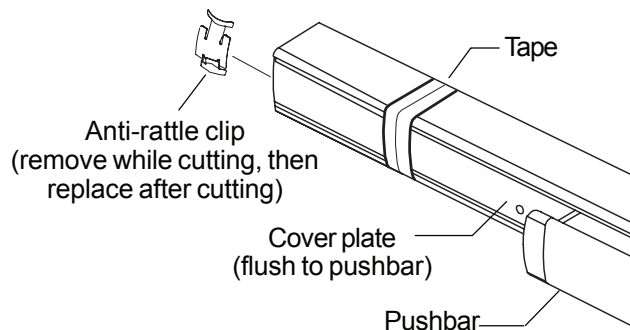


**Note**

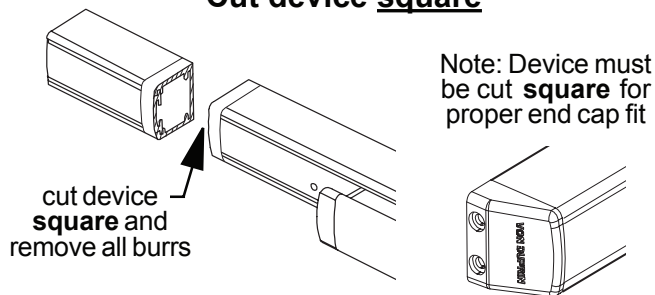
If 5/8" diameter wire access hole has been predrilled in door, cut device 5/16" from center of hole.

## 8 If necessary, cut device.

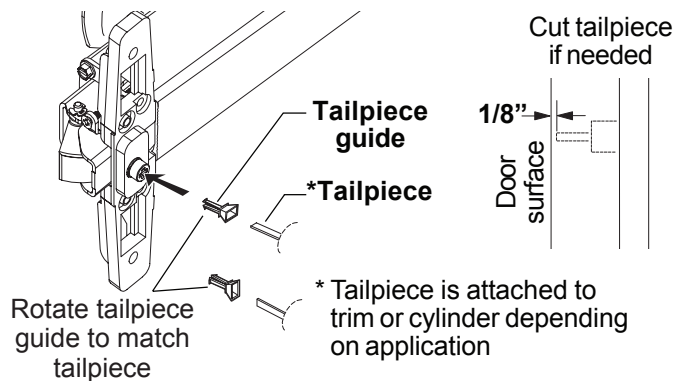
### Prepare device for cutting



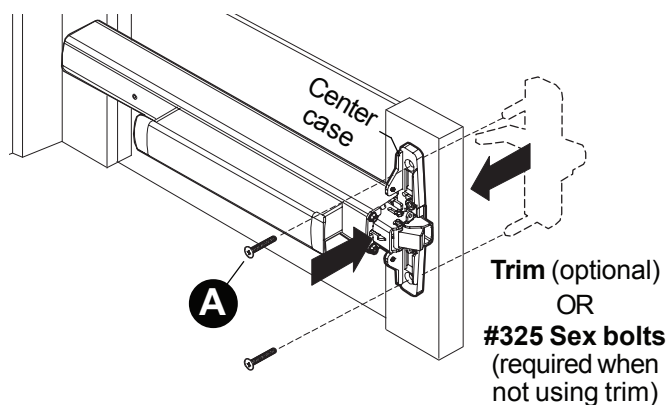
### Cut device square



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

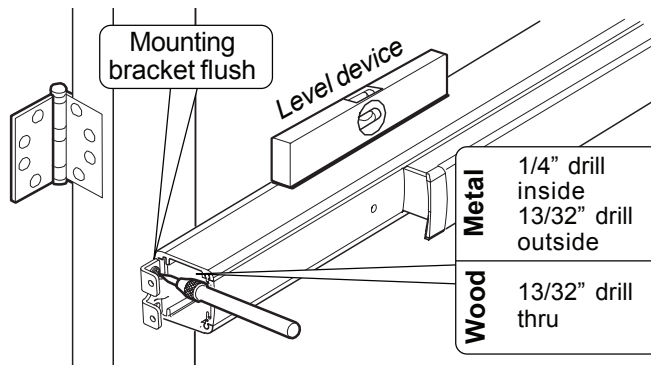


## 10 Attach center case to door.

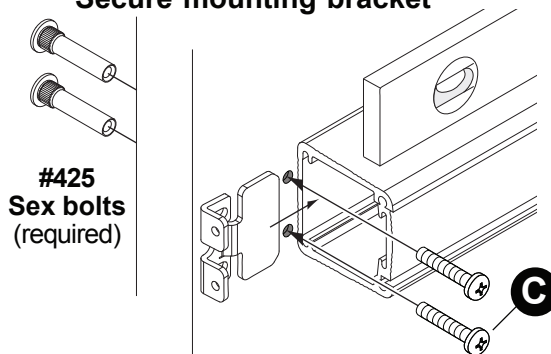


## 11 Install hinge stile mounting bracket.

### Mark and prepare 2 mounting holes

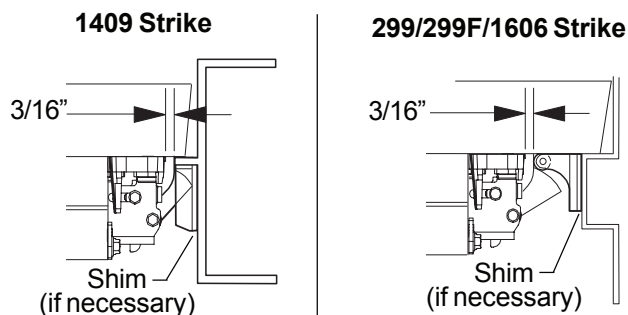


### Secure mounting bracket

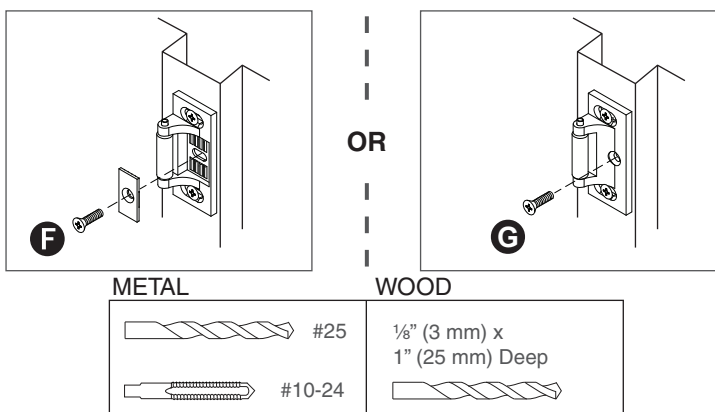


## 12 Adjust strike as needed.

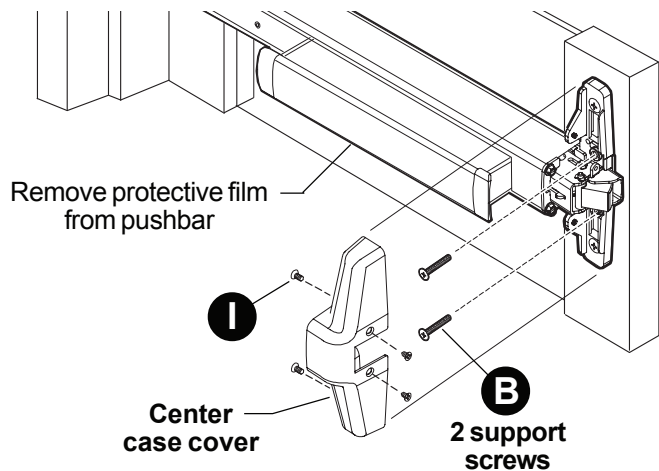
### Shim strike for 3/16" clearance to chassis



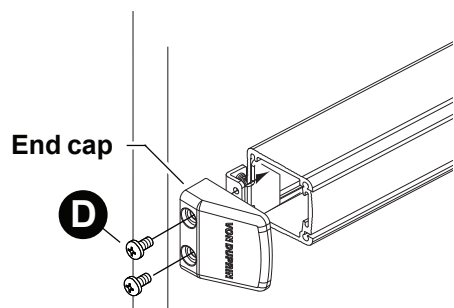
## 13 Install strike support screw.



## 14 Install 2 support screws and center case cover

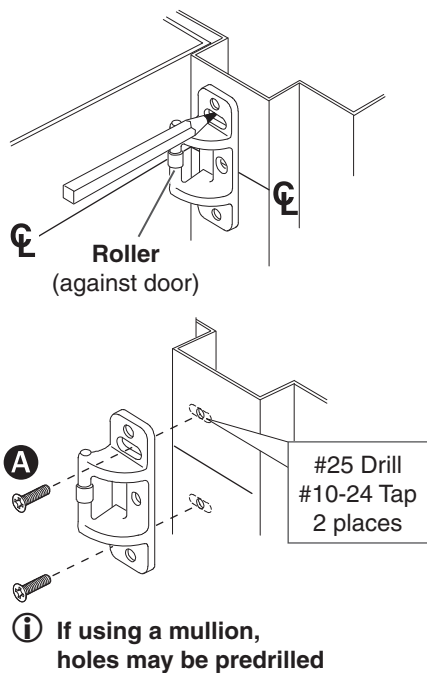


## 15 Install 2 support screws and center case cover

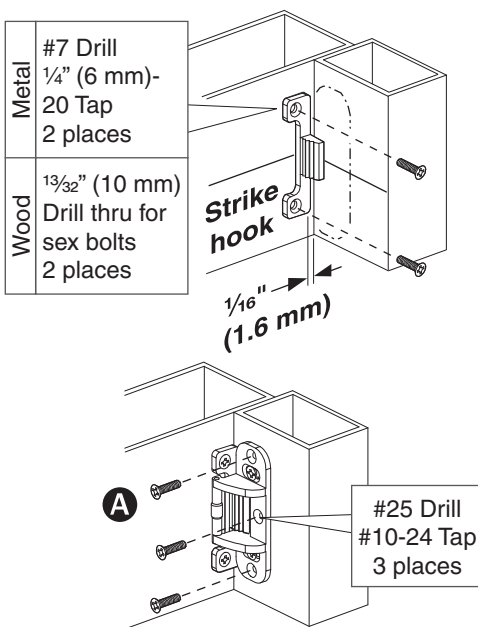


## 499F STRIKE INSTALLATION

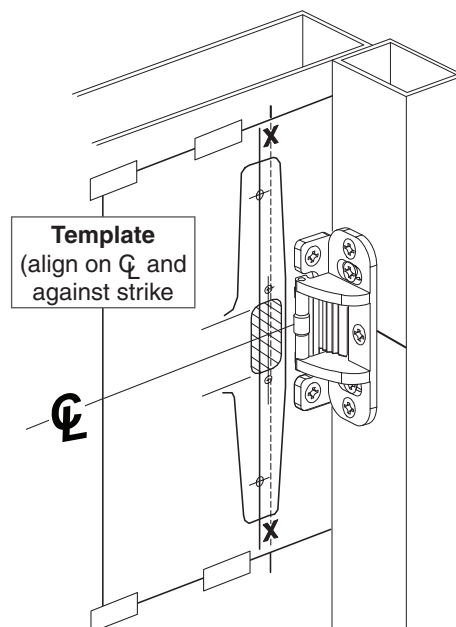
### 1. Prepare and install screws through two strike slots.



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

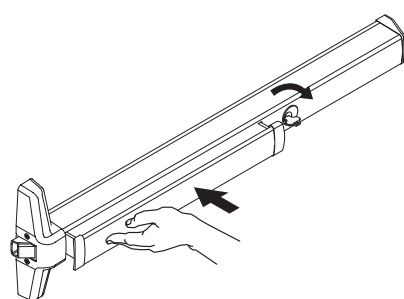
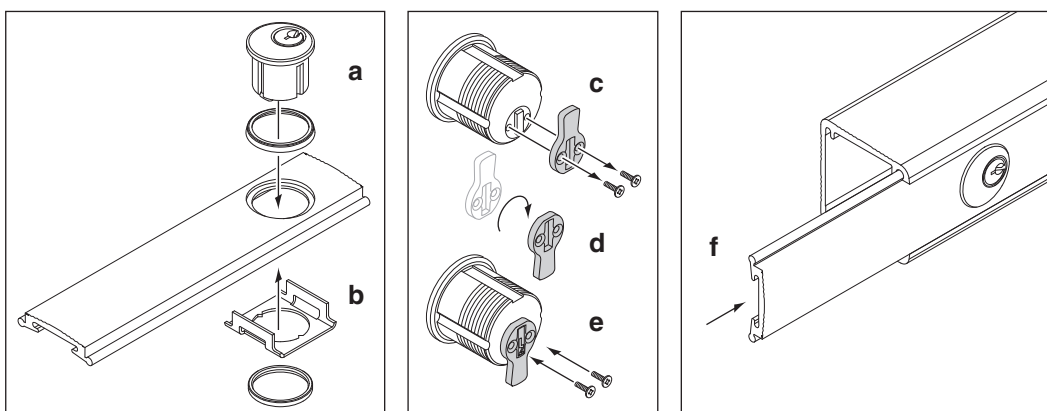


### 3. Template aligns as shown.

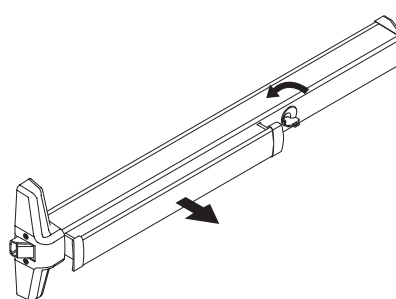


## OPTIONAL EQUIPMENT

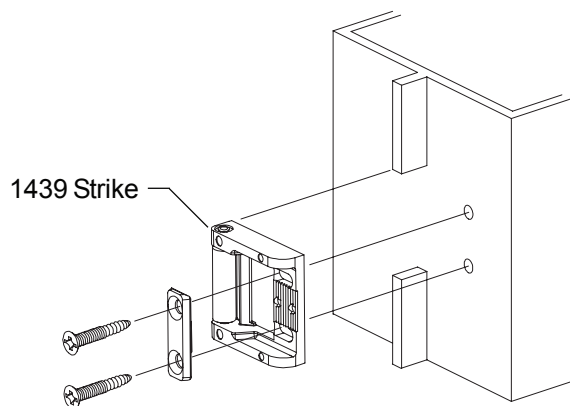
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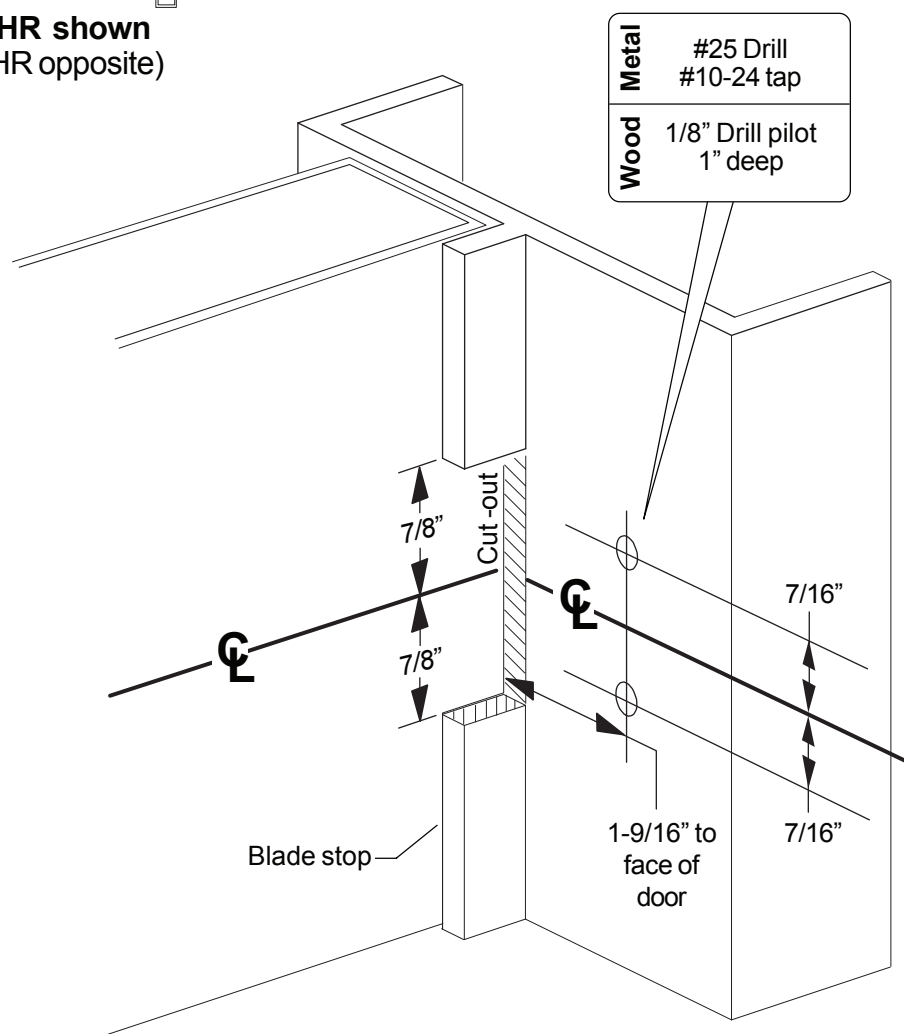
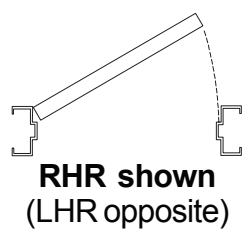
Dog



Undog

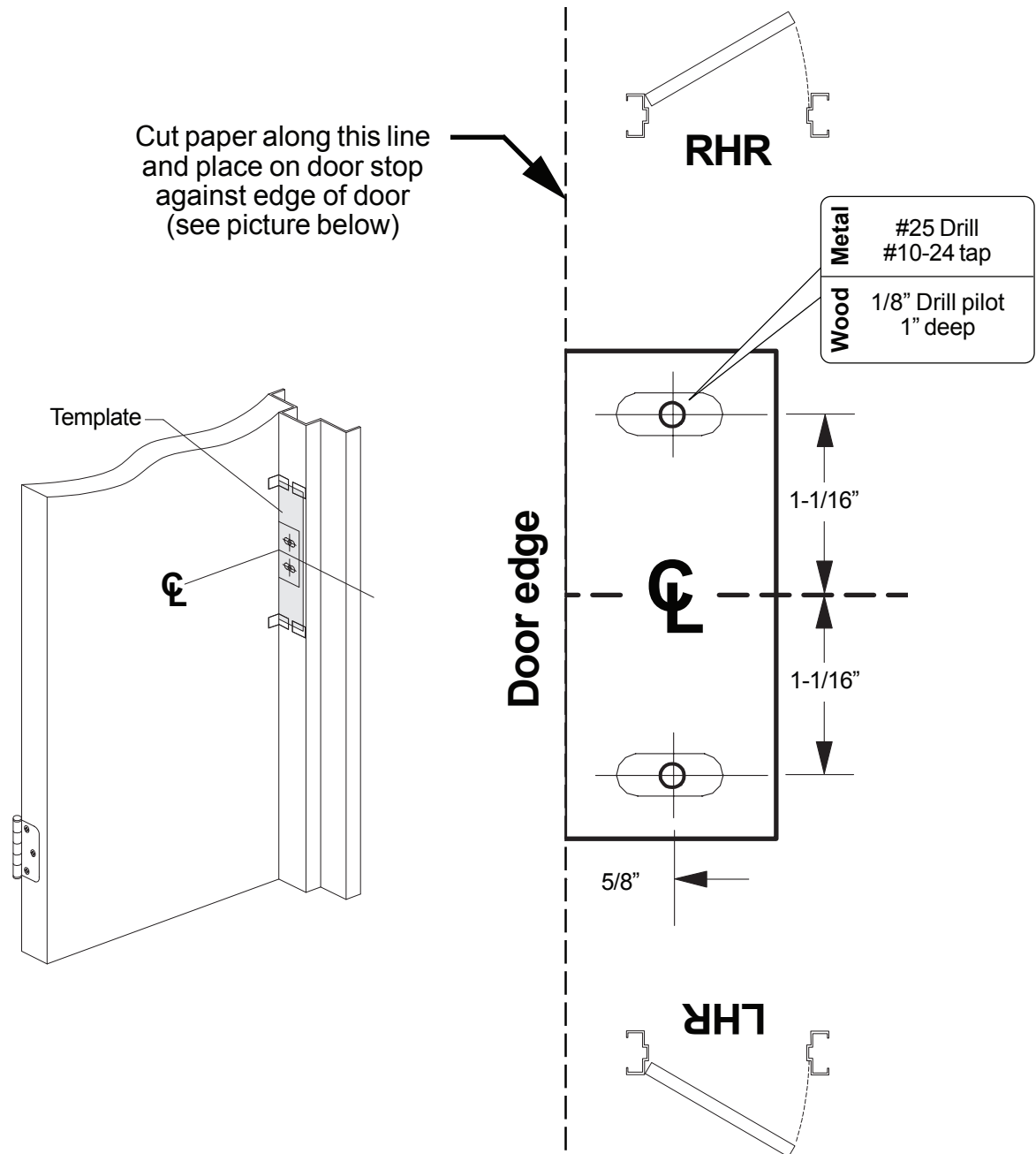
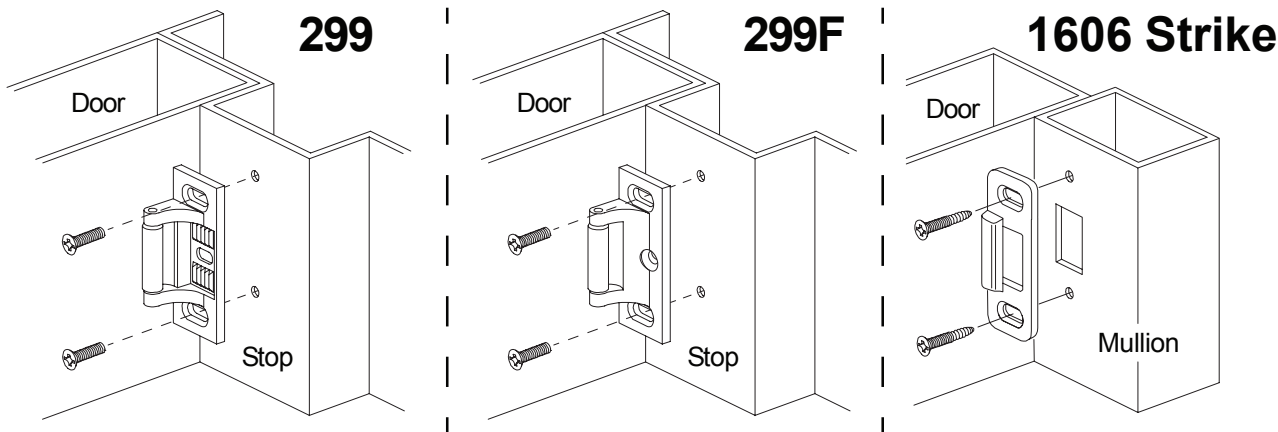


# 1439 Strike Frame Preparation





# 299/299F/1606 Strike Template



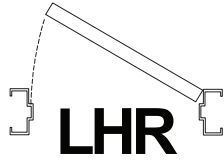
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# 33/35A Rim device Template

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"



**LHR**

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"

7/8"

1-3/16"

C of device

1/4"  
Radius

7/32"

3-1/8"

7/8"

19/32"

**X**

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)

# 33/35A Rim device Template

