



47981500

Rim Exit Device

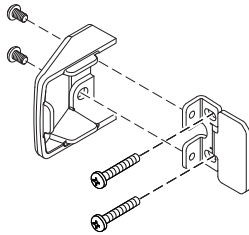
# 75 Series

**VON DUPRIN®**

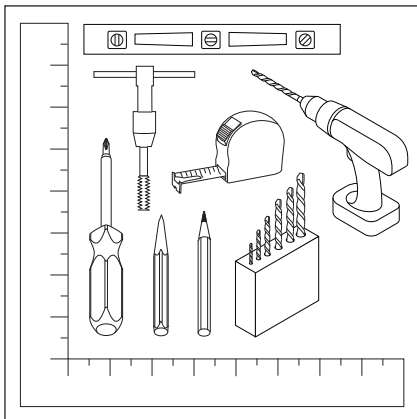
Installation Instructions

## Devices covered by these instructions:

75 Rim Exit Device  
75-F Rim Exit Device  
CD75 Rim Exit Device  
QEL75/-F Rim Exit Device  
HW75 Rim Exit Device  
HW75-F Rim Exit Device



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

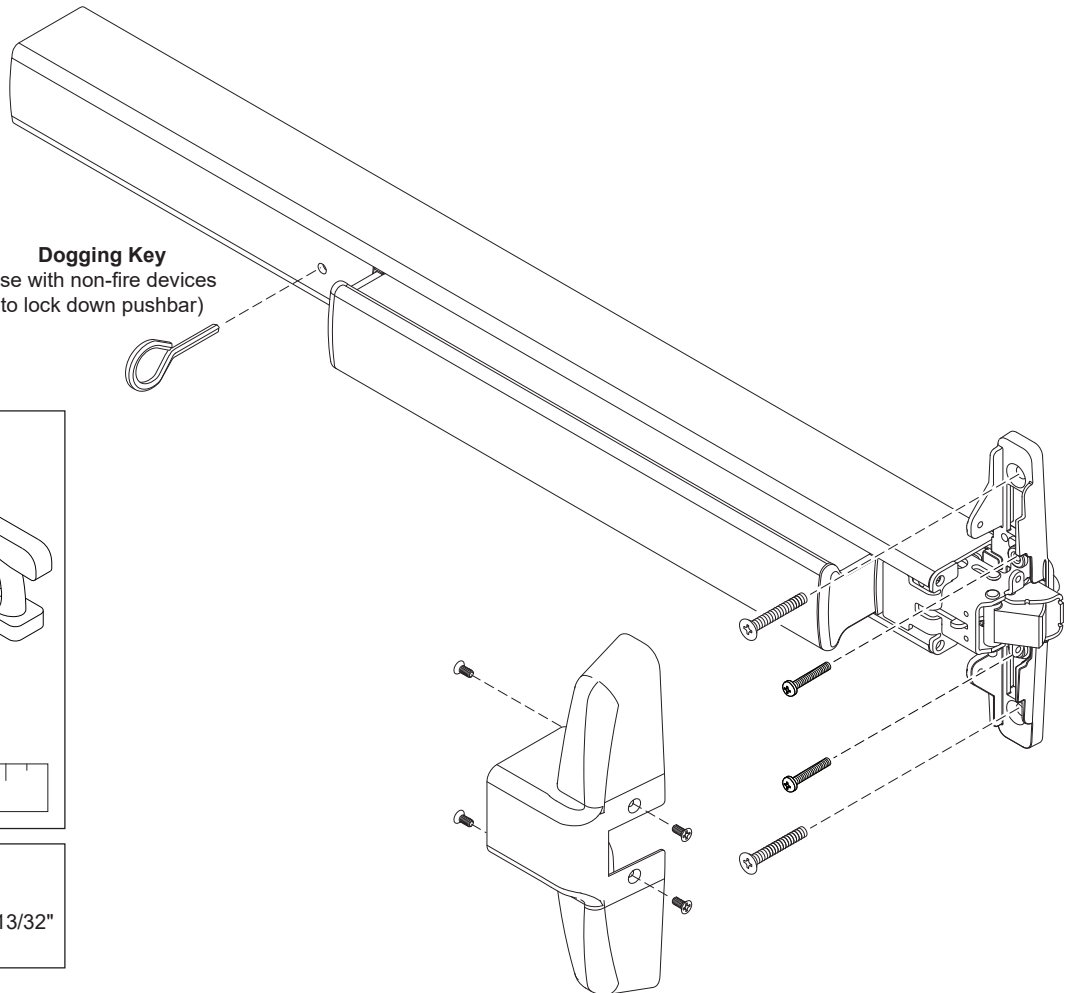


### Special tools needed:

#10-24 and 1/4"-20 tap

Drill bits: #7, #25, 1/8", 1/4", 5/16", 13/32"  
1/2"

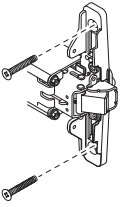
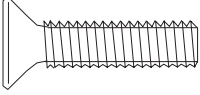
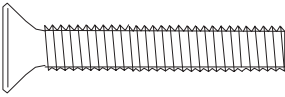
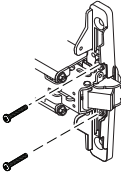
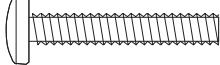
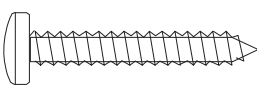
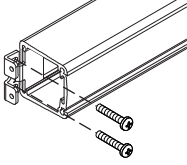
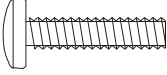
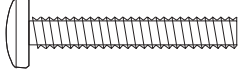
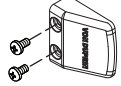
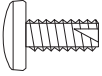
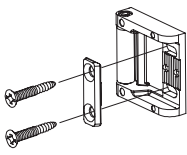
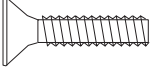
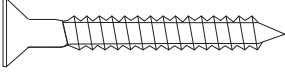
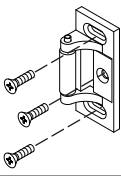
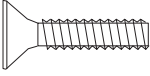
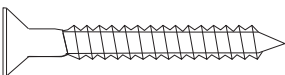
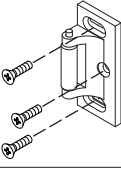
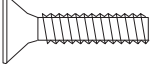
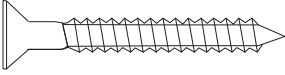
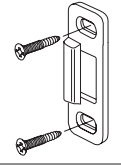
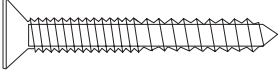
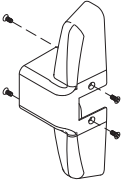


For hurricane rated device requirements, see page 2.



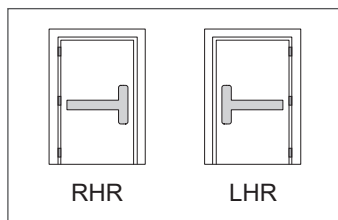
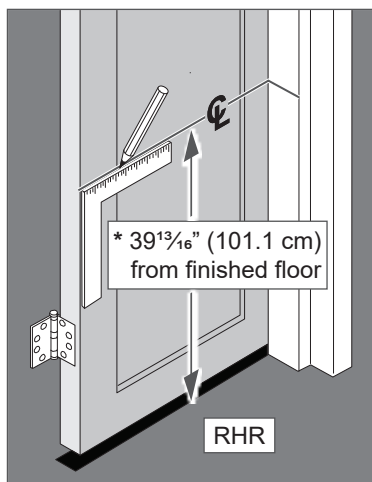
**Hurricane rated exit device requirements (when used with approved Allegion door applications)**

Application		Single door, standard strike	Mullion	Double door, standard strike
HW (Wind Only)	75	299	4954 or KR4954	299
			1654 or KR1654	1606
			5654	299
			5754	1408
	75-F	299F	9954 or KR9954	499F

## SCREW CHART

Device Subassembly	Screw		Application
<b>A</b> 		1/4-20 x 1" (25 mm)	Trim mount or sex bolts: 1 3/4" (44 mm) door
		1/4-20 x 1-1/2" (38 mm)	2 1/4" (57 mm) door
<b>B</b> 		#10-24 x 1" (25 mm)	Metal door surface mount (Yellow)
		#10 x 1 1/4" (32 mm) Wood screw	Wood door surface mount
<b>C</b> 		#10-24 x 3/4" (19 mm)	Surface mount or Sex bolts 1 3/4" (44 mm) door
		#10-24 x 1 1/8" (29 mm)	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> 		#10-24 x 3/4" (19 mm)	Metal frame
		#10 x 1 1/2" (38 mm) Wood screw	Wood frame
<b>F</b> 		#10-24 x 3/4" (19 mm)	Metal frame
		#10 x 1 1/2" (38 mm) Wood screw	Wood frame
<b>G</b> 		#10-24 x 3/4" (19 mm)	Metal frame
		#10 x 1 1/2" (38 mm) Wood screw	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
		#8-32 x 3/8" (10 mm) Machine thread	Center case cover (75-F devices only)

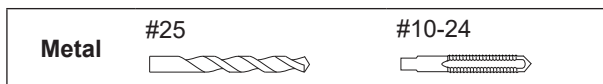
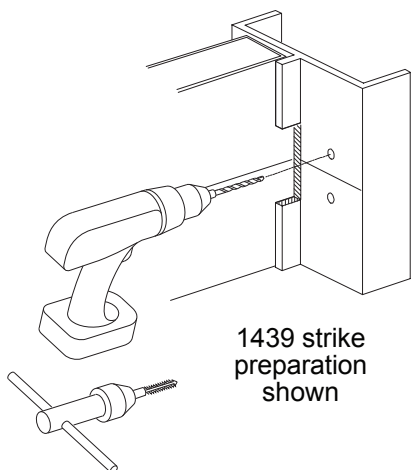
# 1 Draw horizontal device and strike center lines (C).



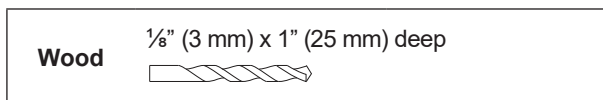
\* For double doors with a mullion and strike already installed, use existing strike center line.

# 2 Prepare frame for strike using paper templates.

See pages 9 and 10 for strike templates and frame preparation dimensions.



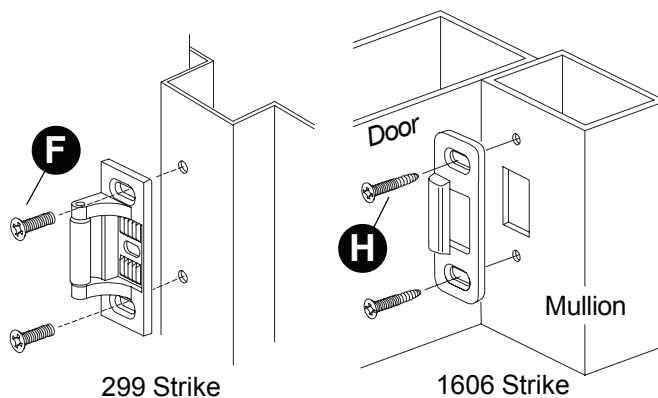
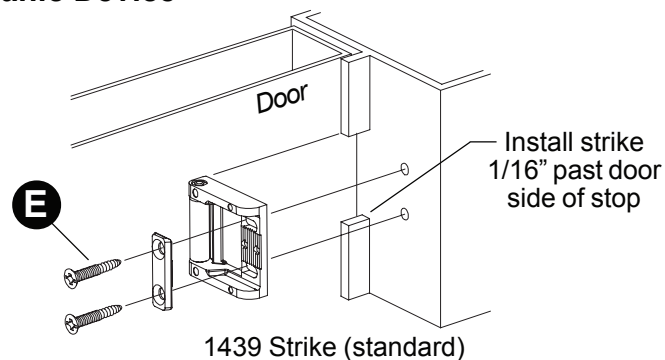
OR



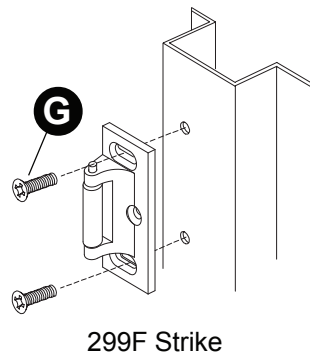
See "Screw Chart" on previous page for screw types and sizes.

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

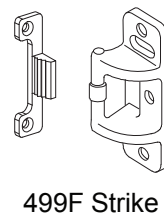
## Panic Device



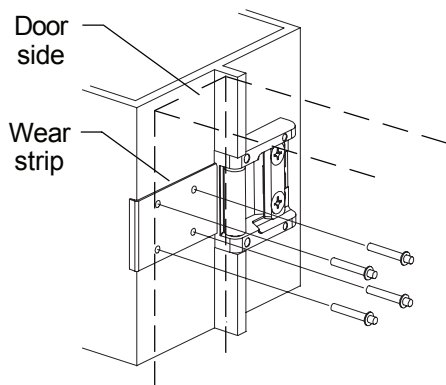
## Fire Rated Device



For 499F strike installation, see page 7.



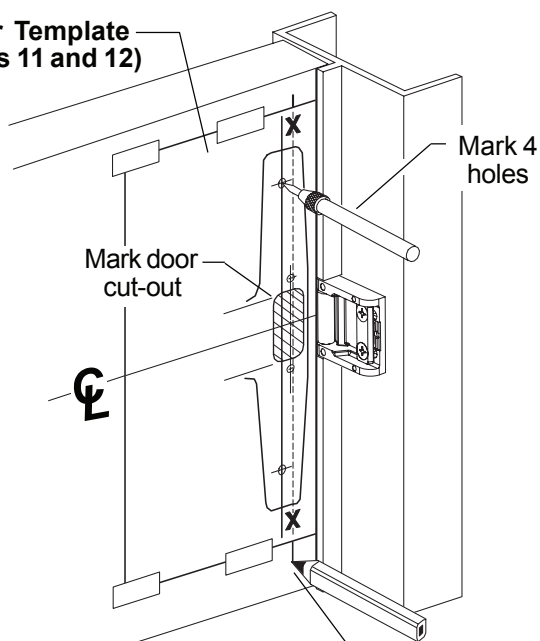
**4** If using a 1439 strike, install wear strip. If not, go to step 5.



- 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)

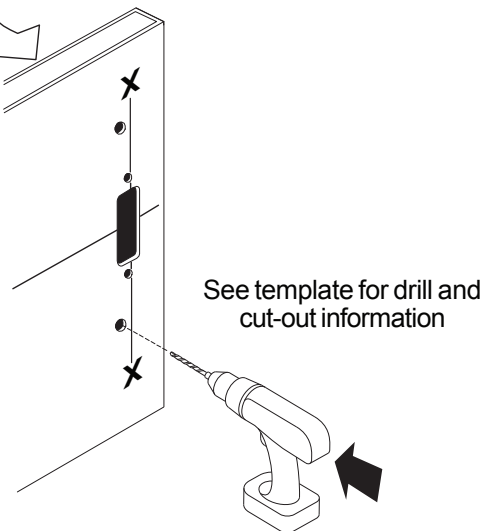


Mark vertical line **X-X** for trim alignment

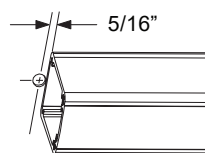
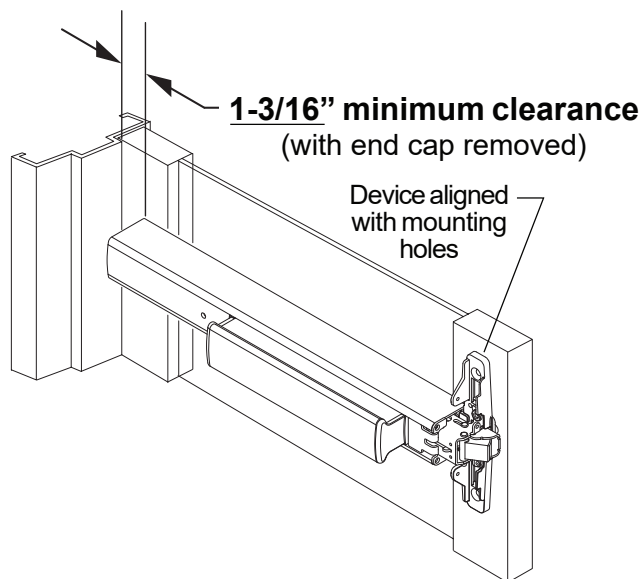
Note: Line X-X is a reference line on the paper template used for trim and exit device alignment. Line X-X shown here should correspond to line X-X in the trim installation instructions

**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.

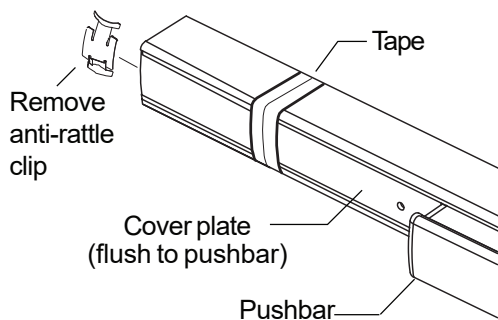


**Note**

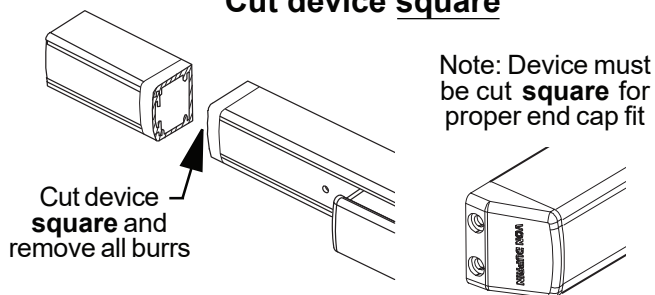
If 5/8" diameter wire access hole has been predrilled in door, cut device 5/16" from center of hole.

## 8 If necessary, cut device.

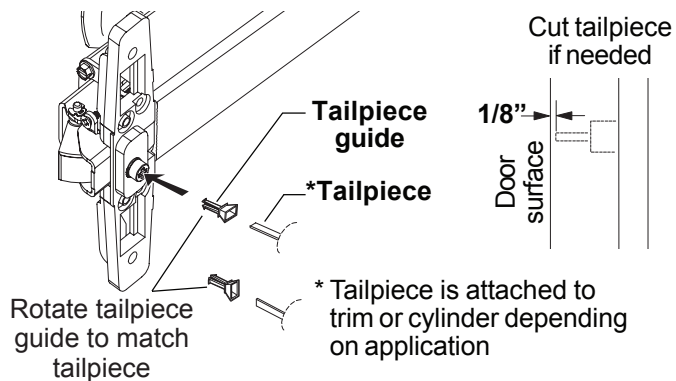
### Prepare device for cutting



### Cut device square

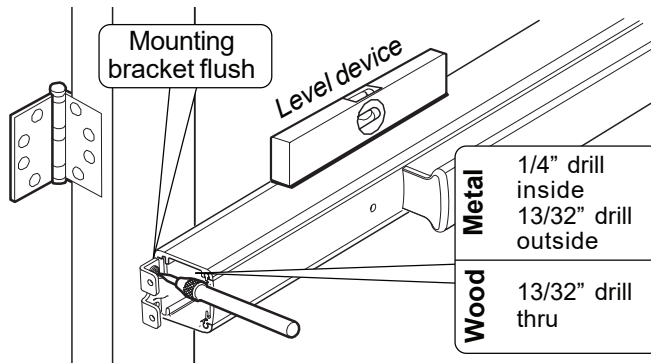


## 9 If using a cylinder with a tailpiece, prepare device and cylinder.

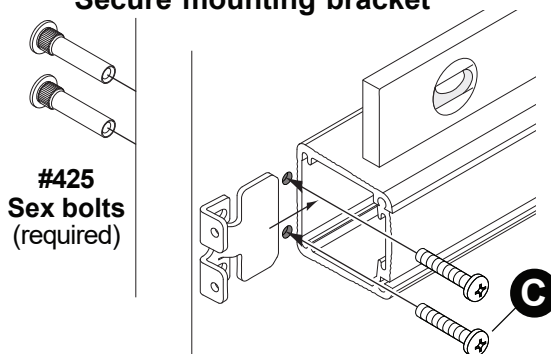


## 11 Install hinge stile mounting bracket.

### Mark and prepare 2 mounting holes

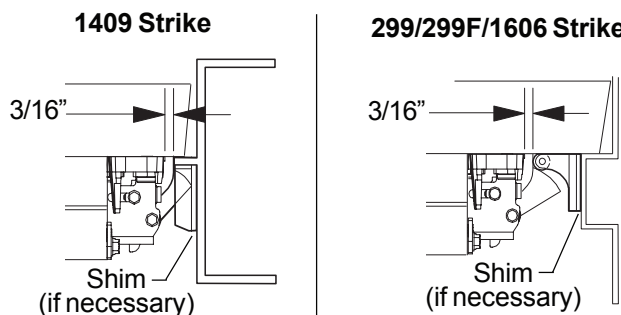


### Secure mounting bracket

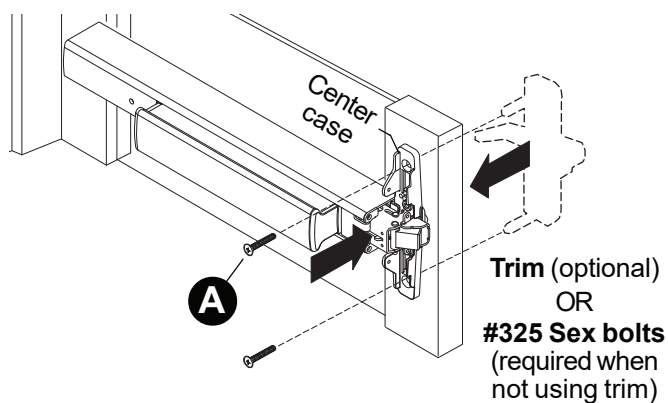


## 12 Adjust strike as needed.

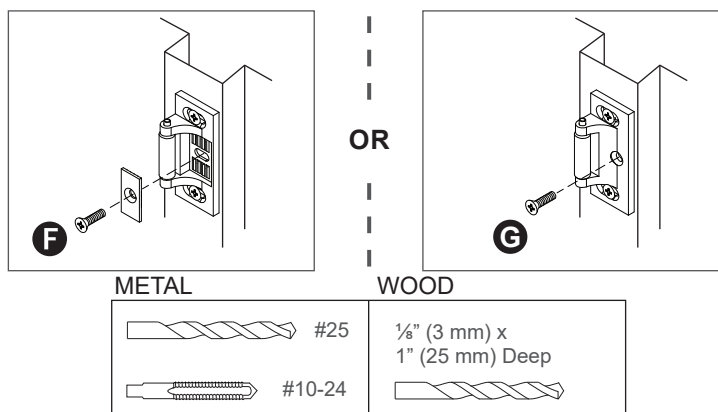
### Shim strike for 3/16" clearance to chassis



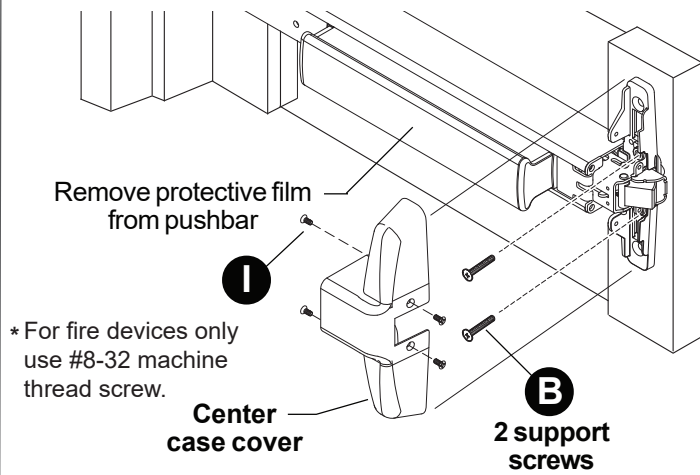
## 10 Attach center case to door.



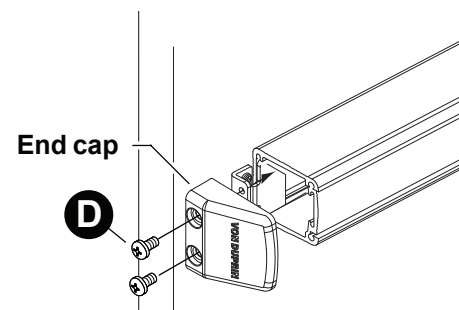
## 13 Install strike support screw.



## 14 Install 2 support screws and center case cover

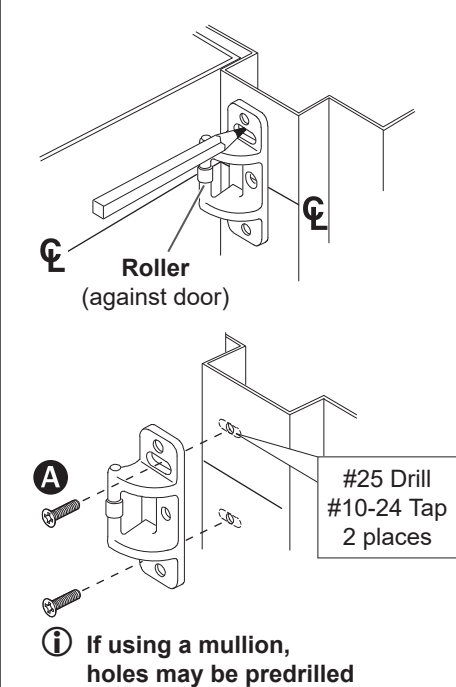


## 15 Install 2 support screws and center case cover

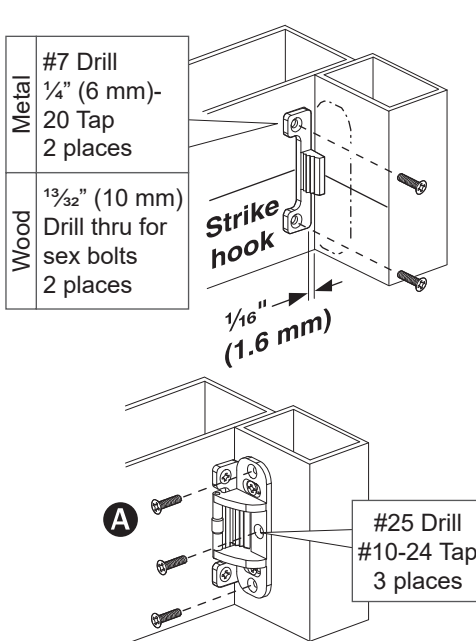


## 499F STRIKE INSTALLATION

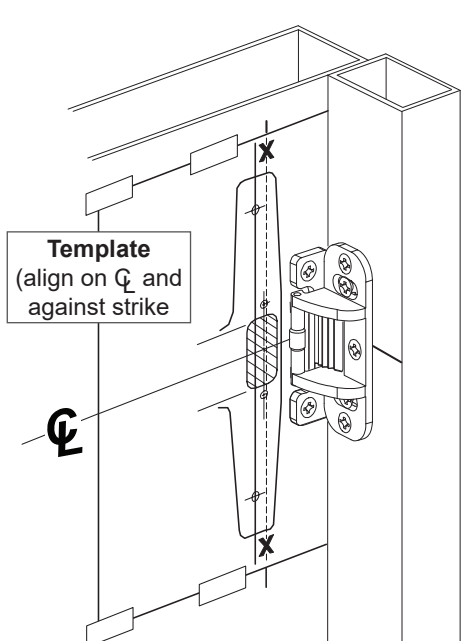
### 1. Prepare and install screws through two strike slots.



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

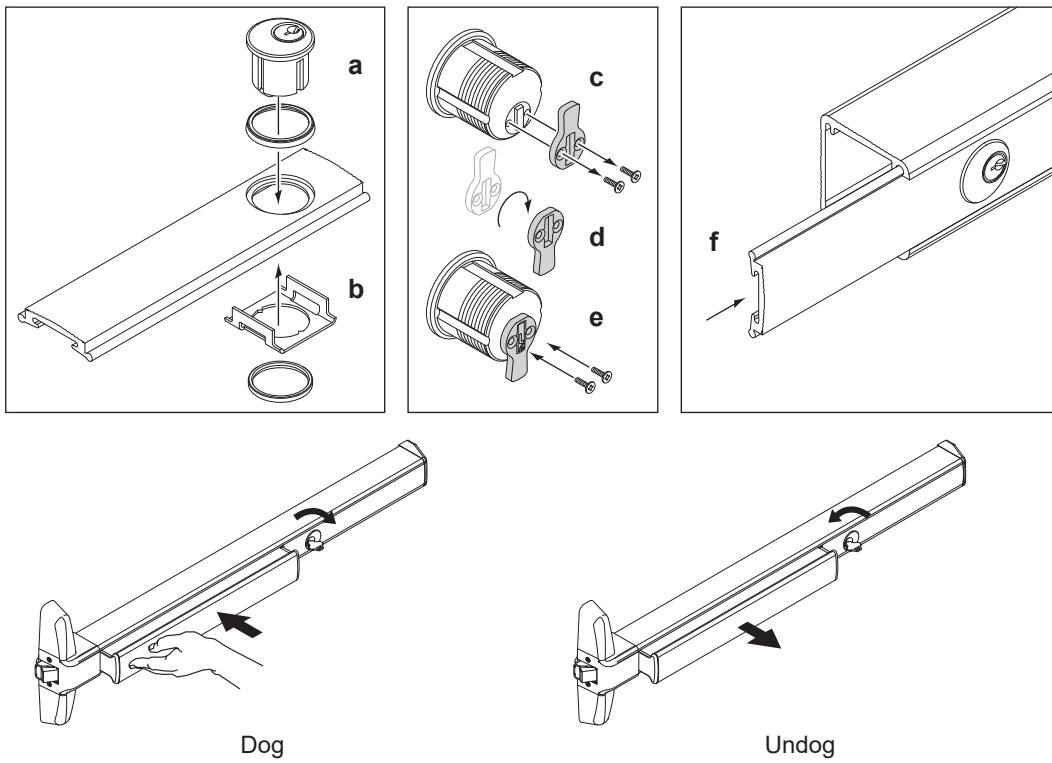


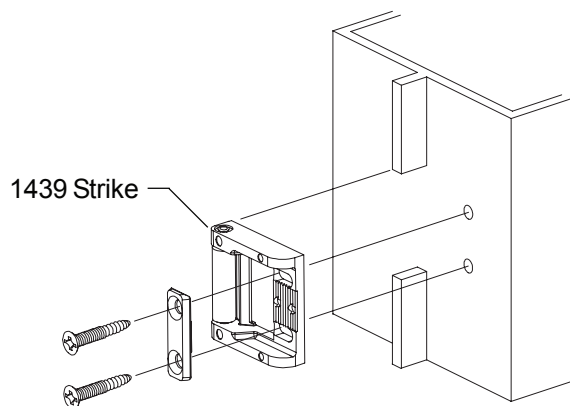
### 3. Template aligns as shown.



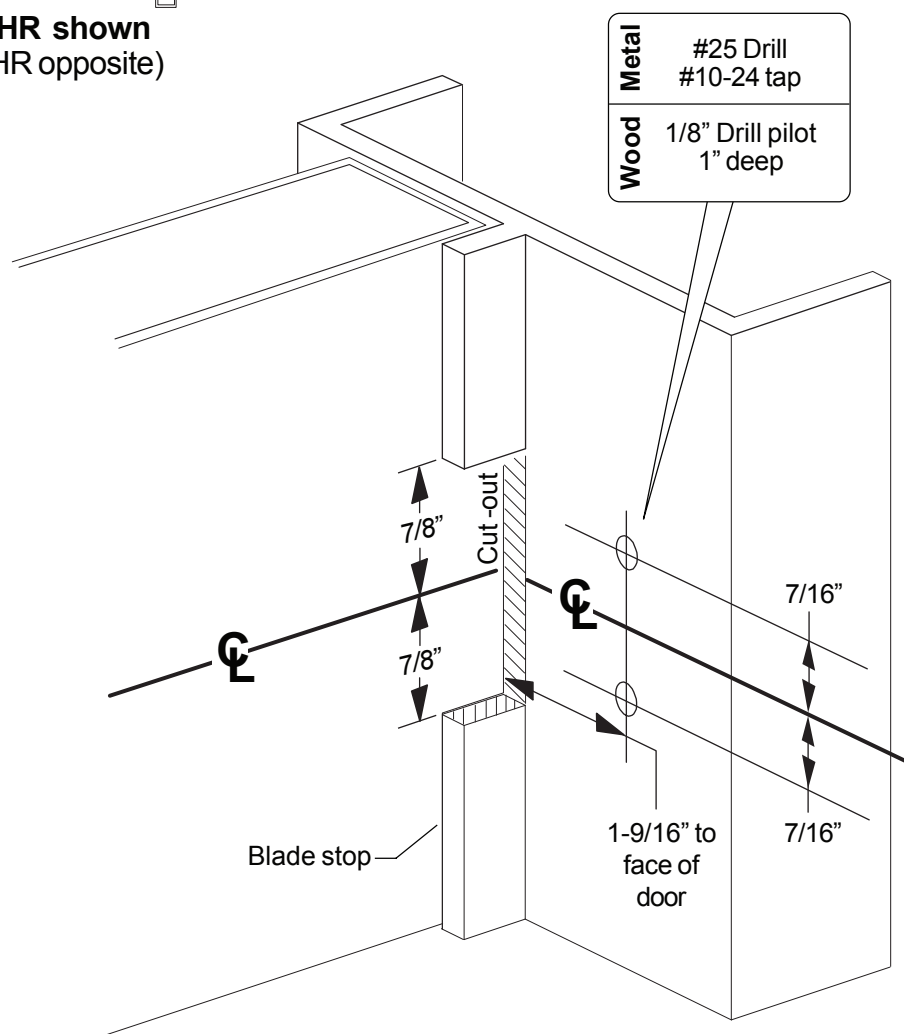
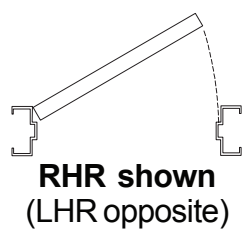
## OPTIONAL EQUIPMENT

### CD (Cylinder Dogging) Option

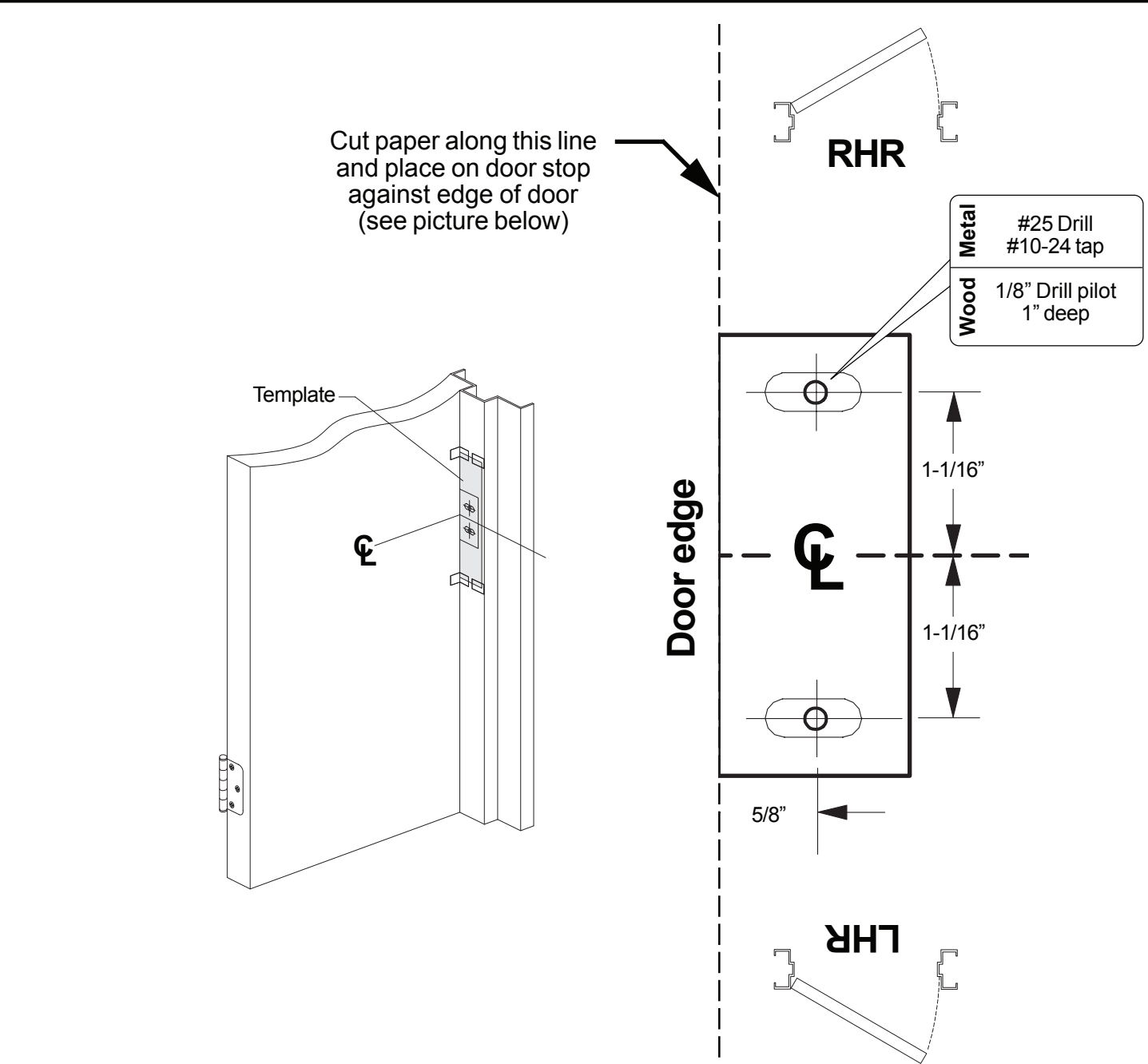
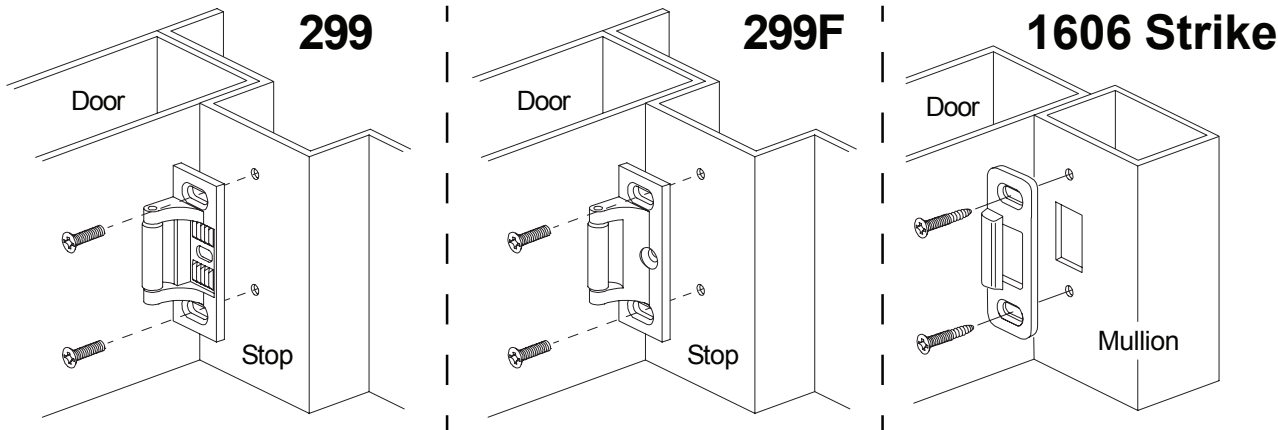




# 1439 Strike Frame Preparation



# 299/299F/1606 Strike Template

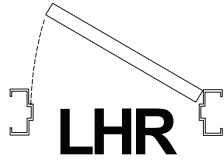


# 75 Rim device Template

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

**Metal**

#25 drill inside  
#10-24 tap

**Wood**

1/8" diameter drill  
1" deep pilot hole

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

3/16"

Align this line  
with edge of  
strike or roller

3-1/8"

1-3/16"

7/8"

7/8"

1-3/16"

C of device

1/4"  
Radius

7/32"

7/8"

19/32"

3-1/8"

## Holes - 2 places

**Metal**

5/16" drill inside  
13/32" drill outside (sex bolts)  
1/2" drill outside (trim)

**Wood**

13/32" drill thru (sex bolts)  
1/2" drill thru (trim)

**X**

# 75 Rim device Template

