



911402-00

# 33/35A Series

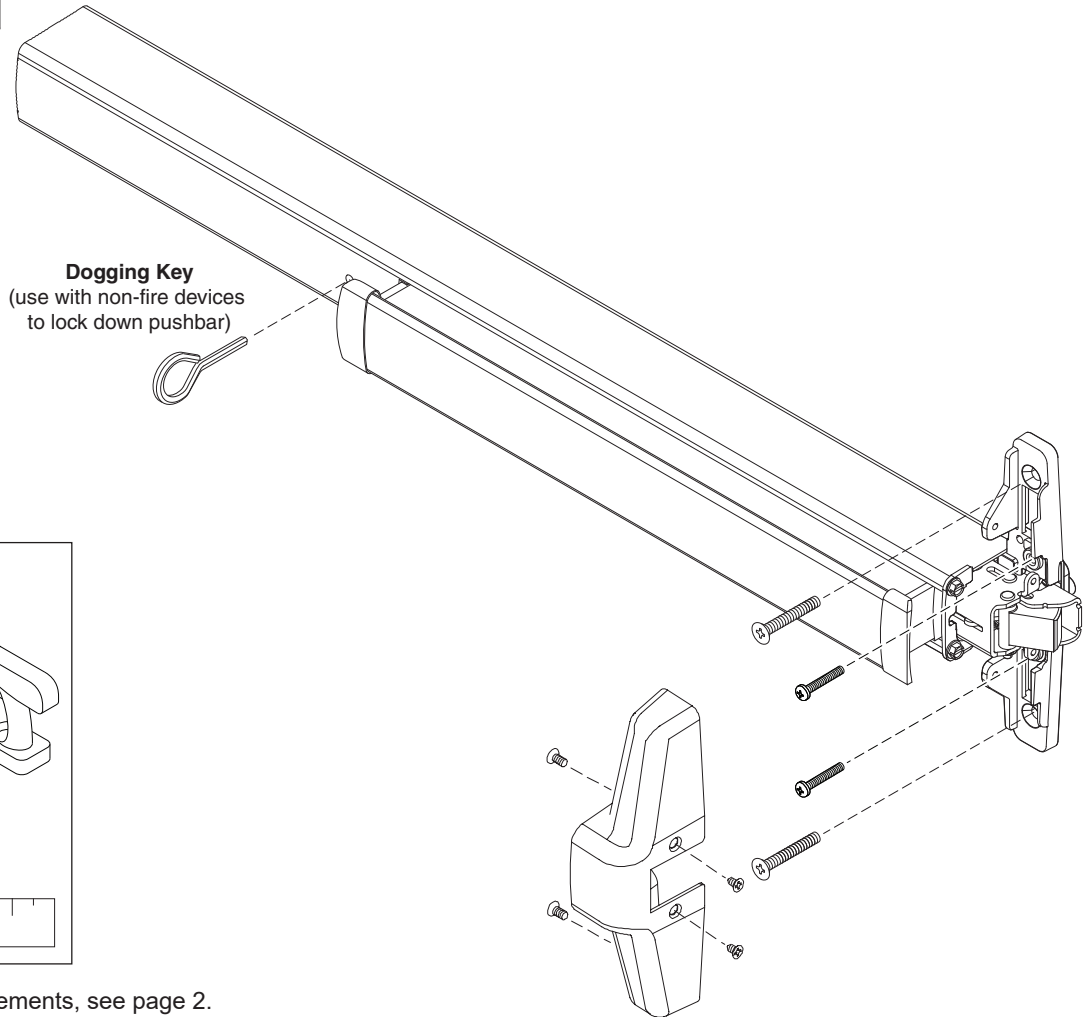
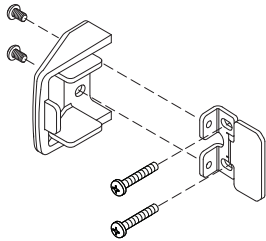
# VON DUPRIN®

Rim Exit Device

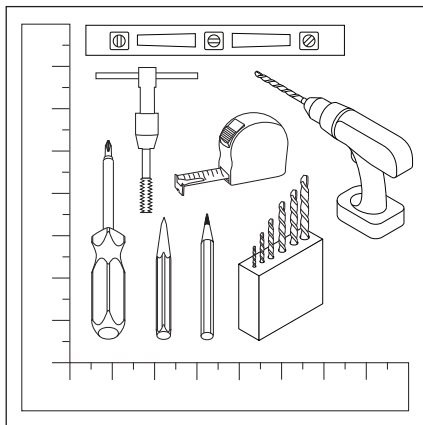
Installation Instructions

### Devices covered by these instructions:

- 33/35A Rim Exit Device
- 33/35A-F Rim Exit Device
- CD33/35A Rim Exit Device
- QEL33/35A/-F Rim Exit Device
- SS33/35A/-F Rim Exit Device
- HW33/35A Rim Exit Device
- HW33/35A-F Rim Exit Device



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



For hurricane rated device requirements, see page 2.

## Digital instructions - please read

For the best installation experience  
we now have Smartphone friendly  
digital interactive instructions.  
Just scan the QR code.



[alle.co/33rim](http://alle.co/33rim)



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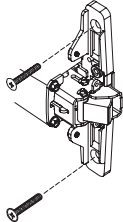
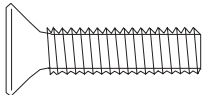
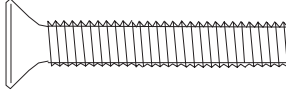
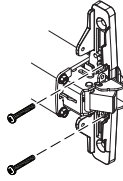

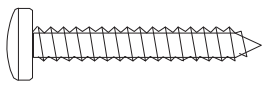
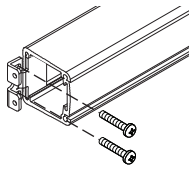
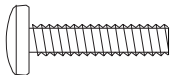
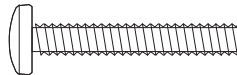
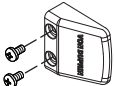
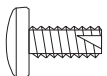
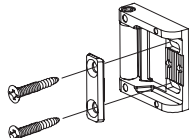
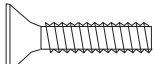
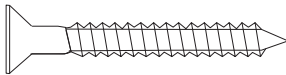
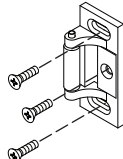
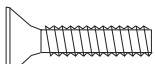
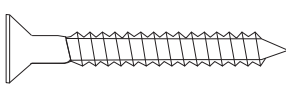
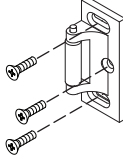
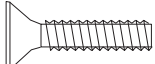
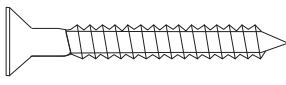
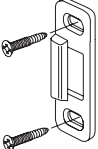
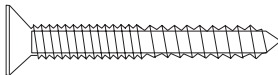
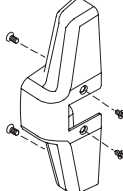


### Customer Service

1-877-671-7011 [www.allegion.com/us](http://www.allegion.com/us)

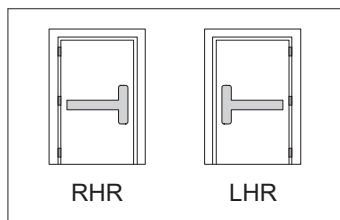
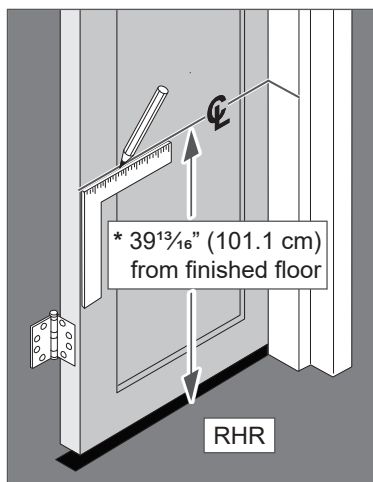
**Hurricane rated exit device requirements (when used with approved Allegion door applications)**

Application		Single door, standard strike	Mullion	Double door, standard strike
HW (Wind Only)	33A/35A	299	4954 or KR4954	299
			1654 or KR1654	1606
			5654	299
			5754	1408
	33A/35A-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 (33/35A-F devices only)

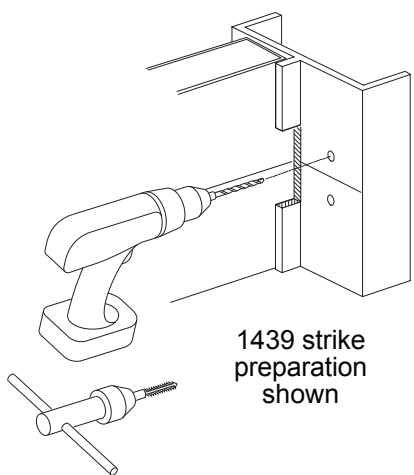
**1 Draw horizontal device and strike center lines (☉).**



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

**2 Prepare frame for strike using paper templates.**

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



<b>Metal</b>	#25	#10-24

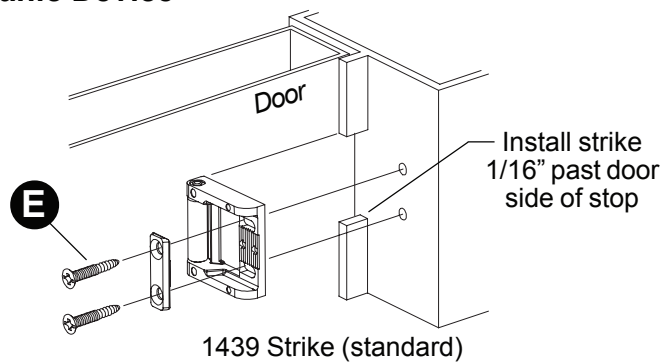
**OR**

<b>Wood</b>	1/8" (3 mm) x 1" (25 mm) deep

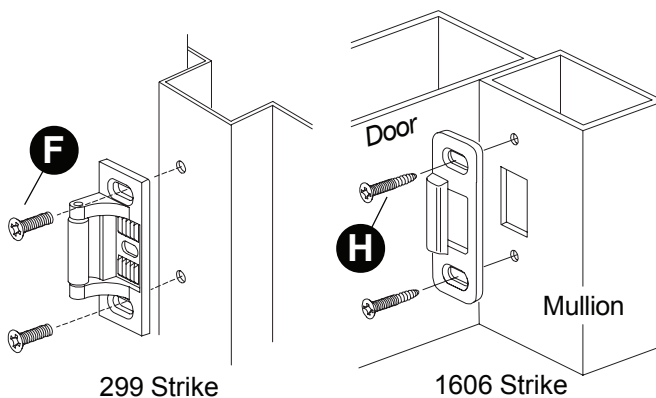
**i** See "Screw Chart" on previous page for screw types and sizes.

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

**Panic Device**



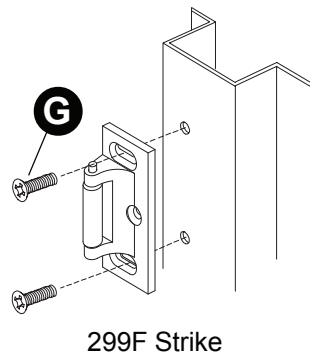
1439 Strike (standard)



299 Strike

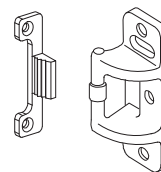
1606 Strike

**Fire Rated Device**



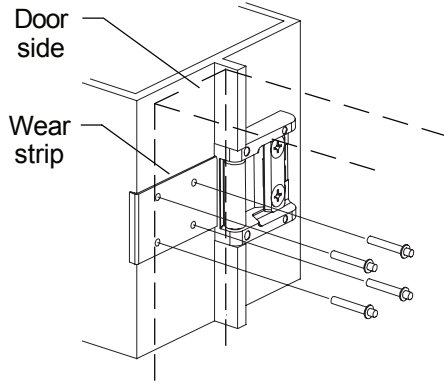
299F Strike

**i** For 499F strike installation, see page 7.



499F Strike

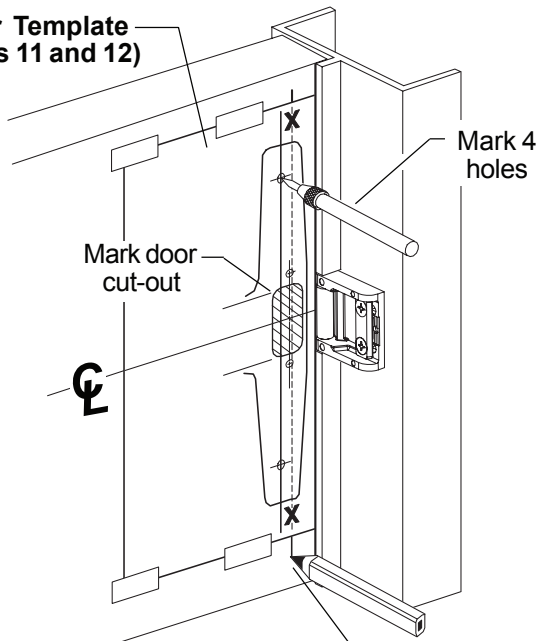
**4** If using a 1439 strike, install wear strip. If not, go to step 5.



- 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)

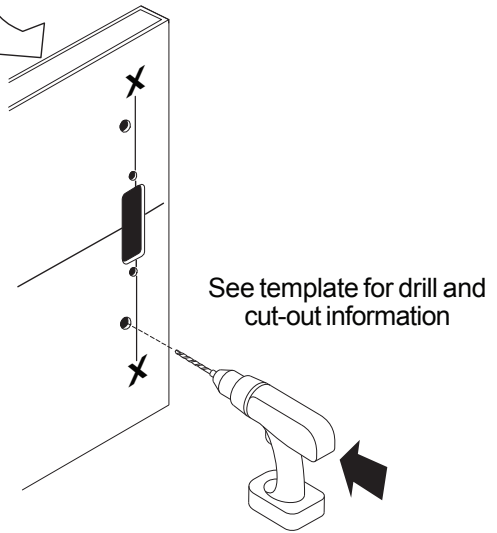


Mark vertical line **X-X** for trim alignment

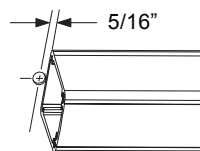
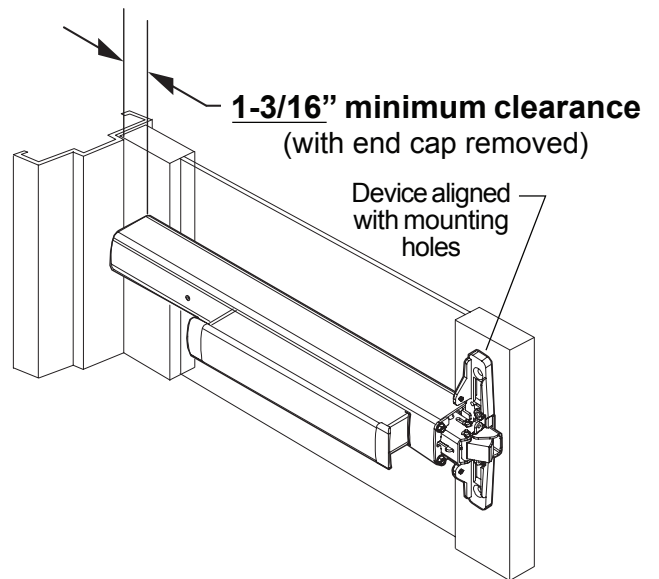
Note: Line X-X is a reference line on the paper template used for trim and exit device alignment. Line X-X shown here should correspond to line X-X in the trim installation instructions

**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.

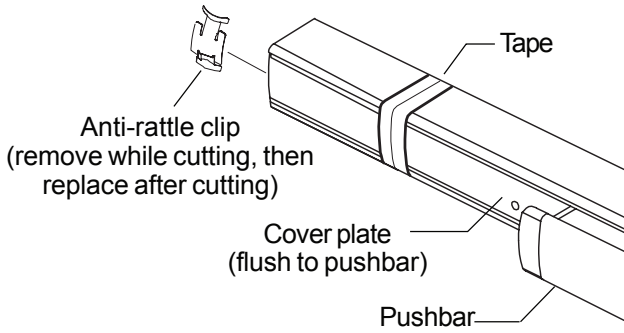


**Note**

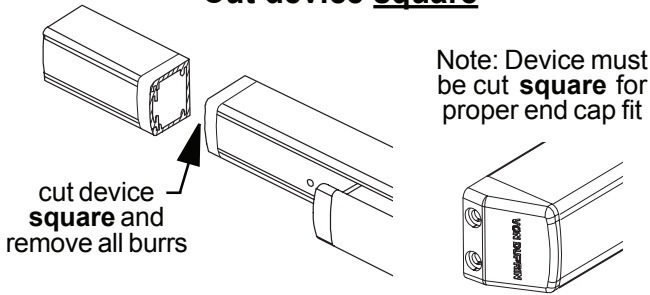
If 5/8" diameter wire access hole has been predrilled in door, cut device 5/16" from center of hole.

**8** If necessary, cut device.

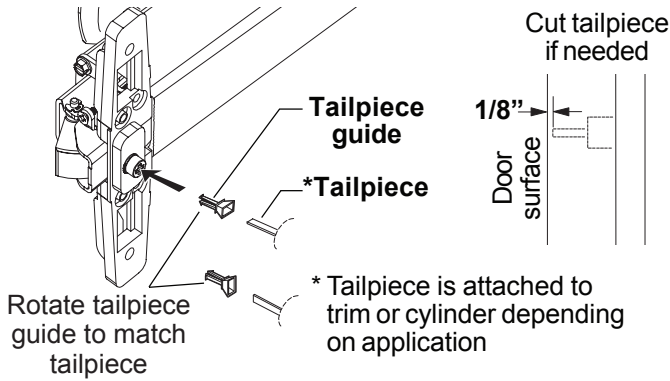
**Prepare device for cutting**



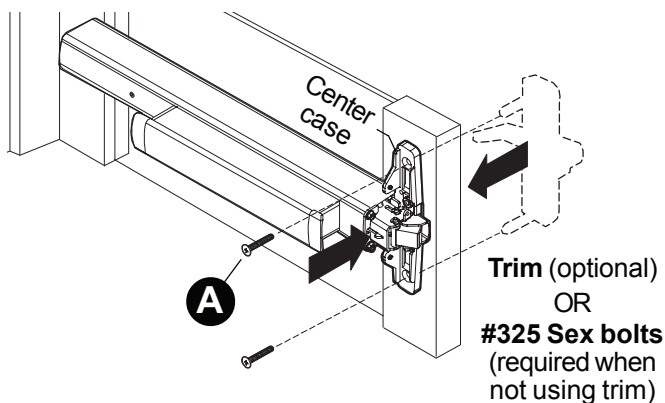
**Cut device square**



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

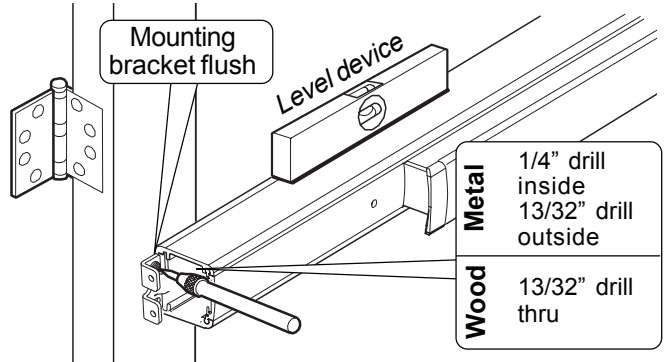


**10** Attach center case to door.

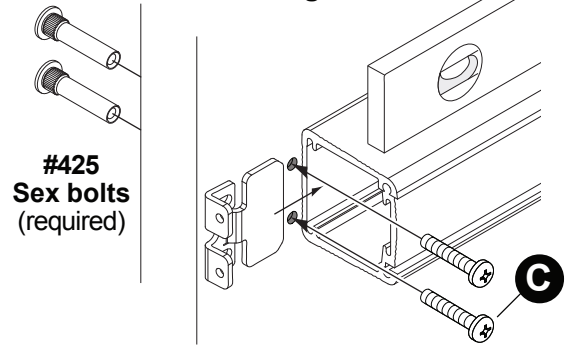


**11** Install hinge stile mounting bracket.

**Mark and prepare 2 mounting holes**

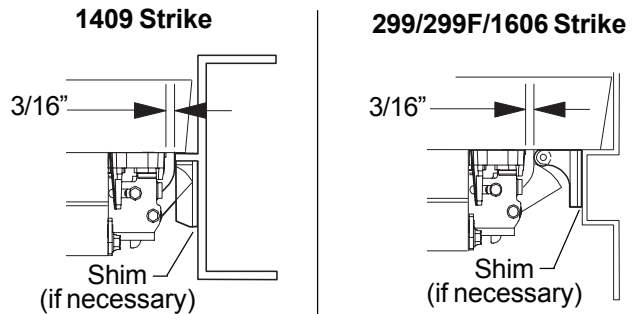


**Secure mounting bracket**

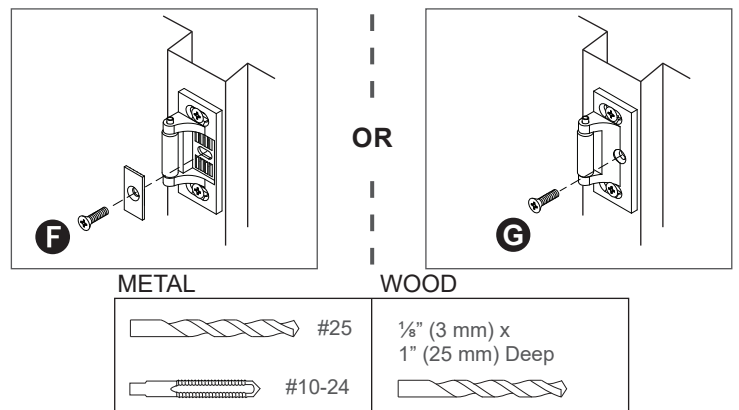


**12** Adjust strike as needed.

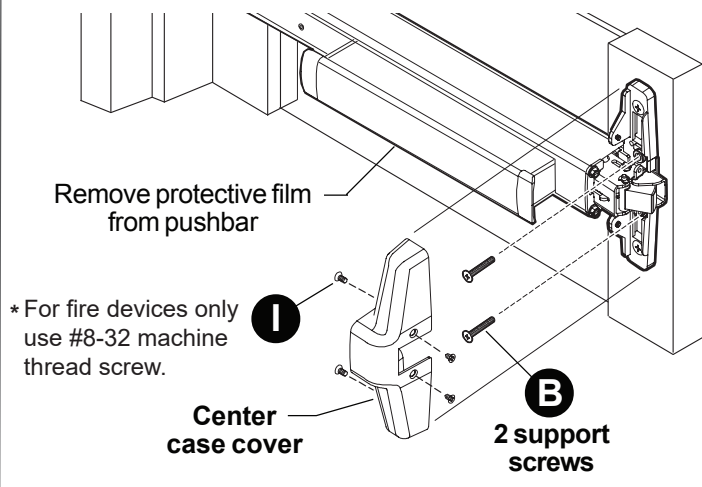
**Shim strike for 3/16" clearance to chassis**



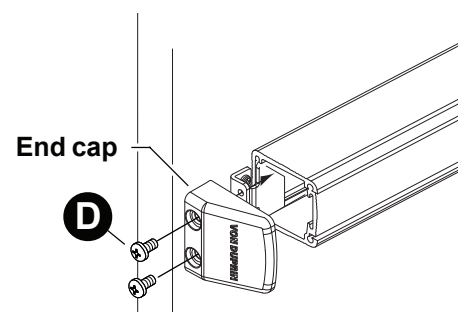
**13** Install strike support screw.



### 14 Install 2 support screws and center case cover

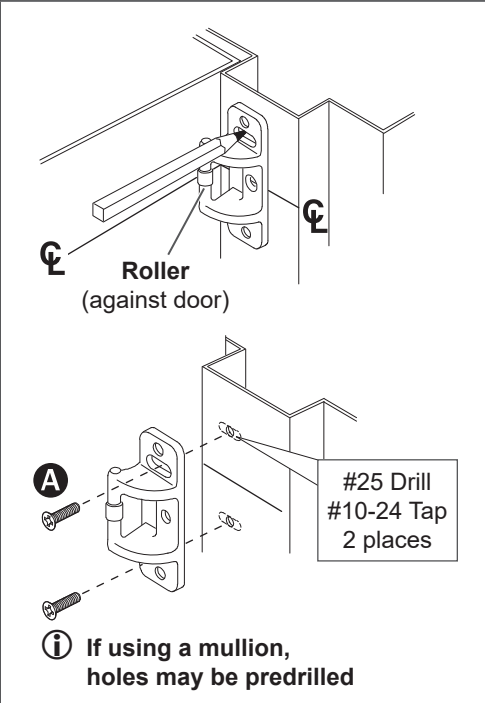


### 15 Install 2 support screws and center case cover

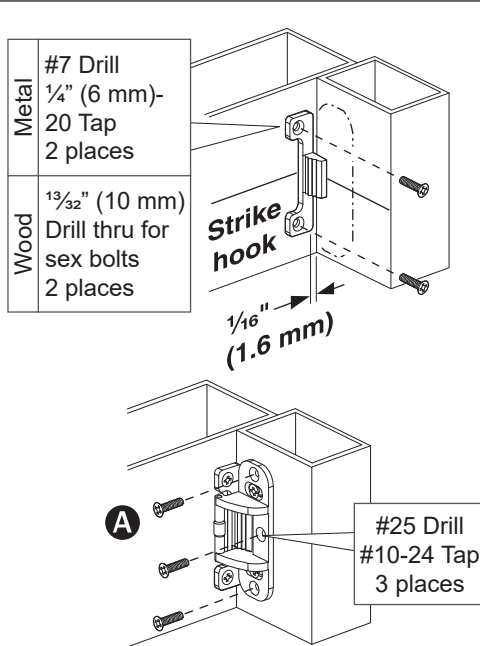


## 499F STRIKE INSTALLATION

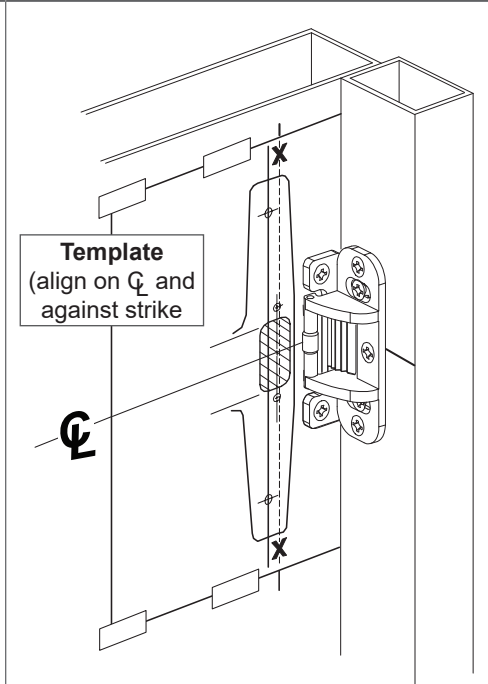
#### 1. Prepare and install screws through two strike slots.



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

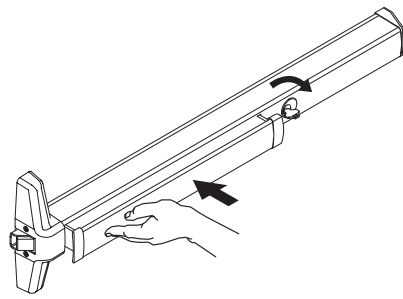
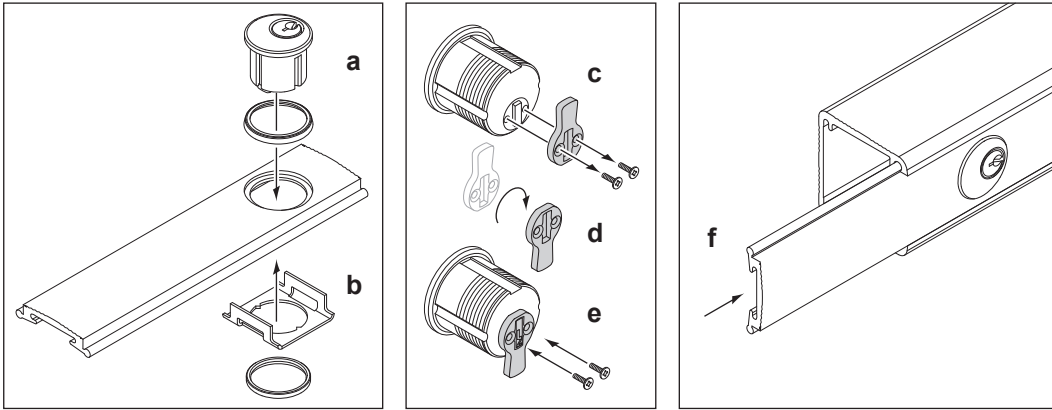


#### 3. Template aligns as shown.

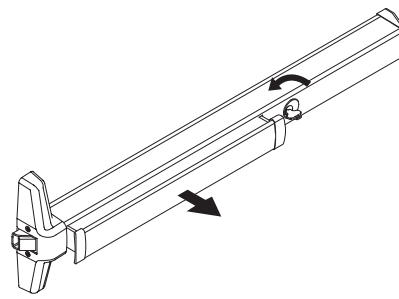


## OPTIONAL EQUIPMENT

### CD (Cylinder Dogging) Option



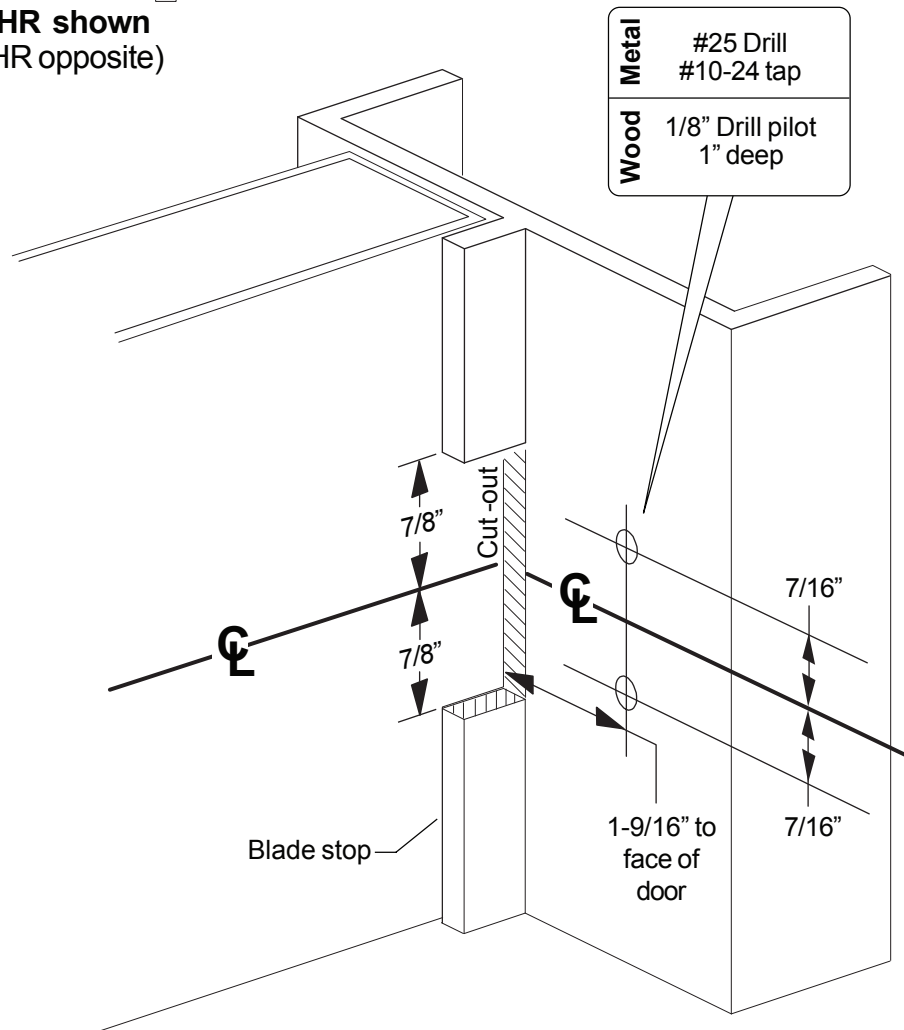
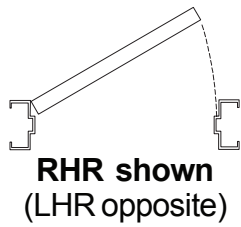
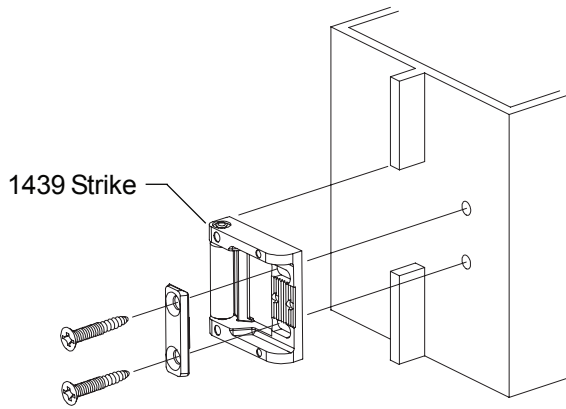
Dog



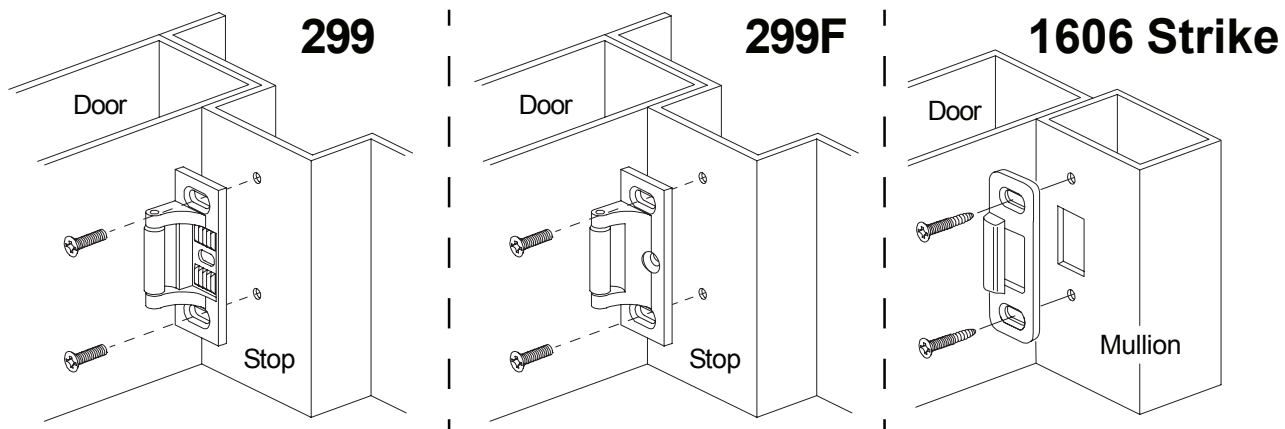
Undog



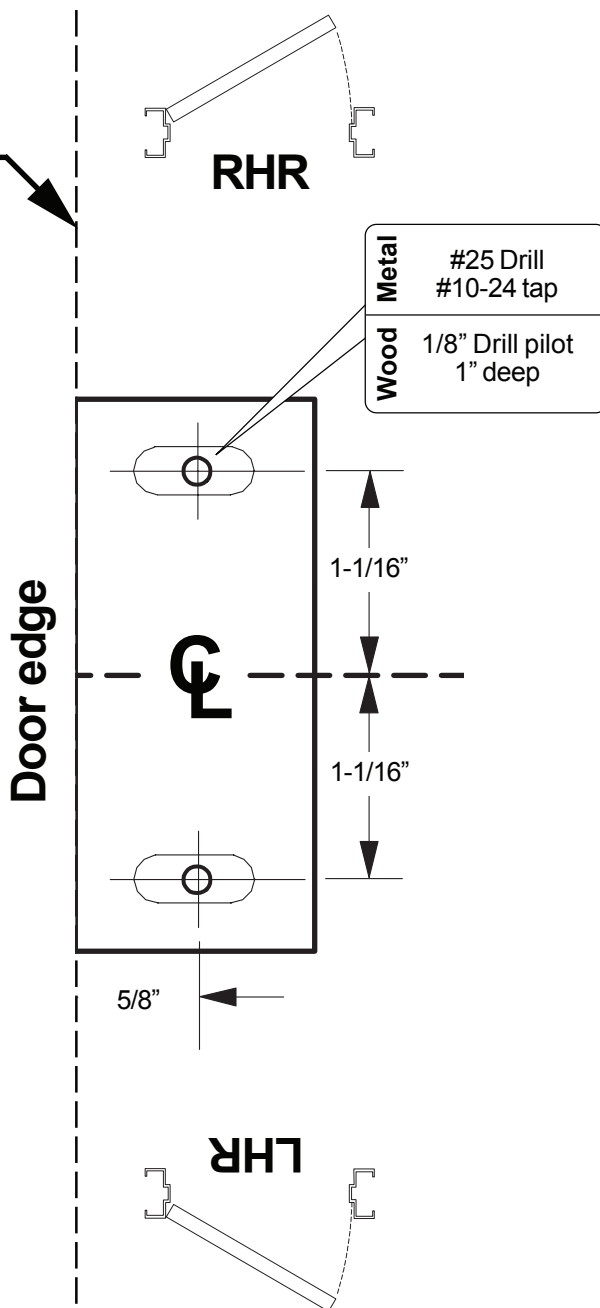
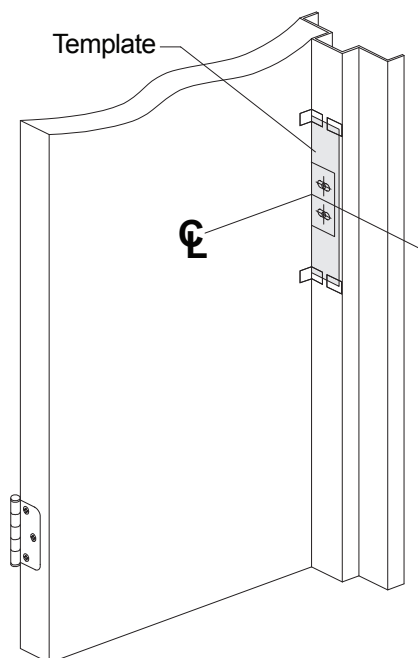
# 1439 Strike Frame Preparation



# 299/299F/1606 Strike Template



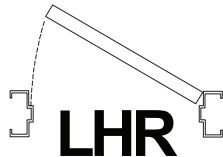
Cut paper along this line and place on door stop against edge of door (see picture below)



# 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

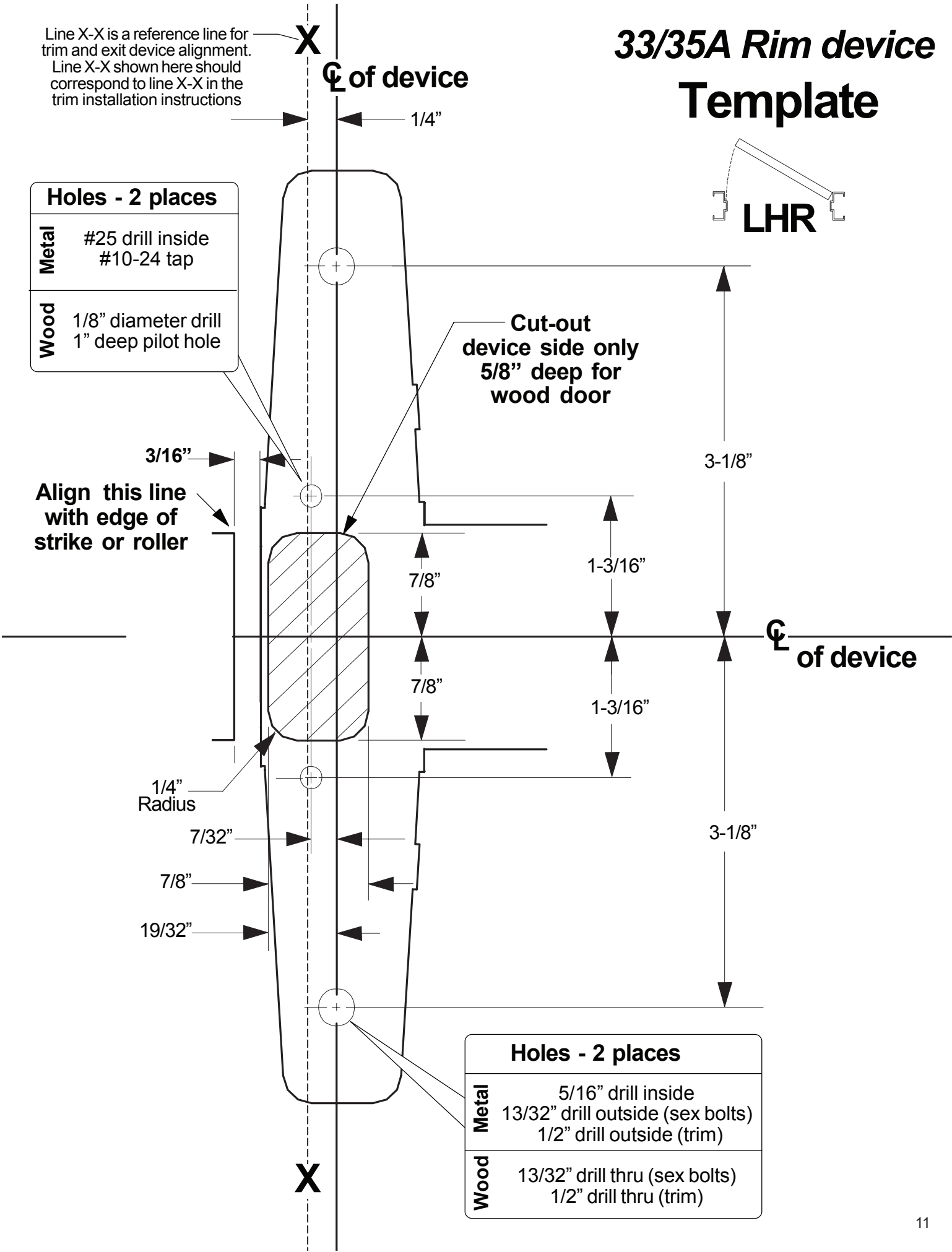
**X**  
C of device



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

3/16"  
Align this line with edge of strike or roller



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

