



47981500

Rim Exit Device

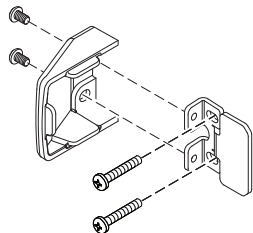
75 Series

VON DUPRIN®

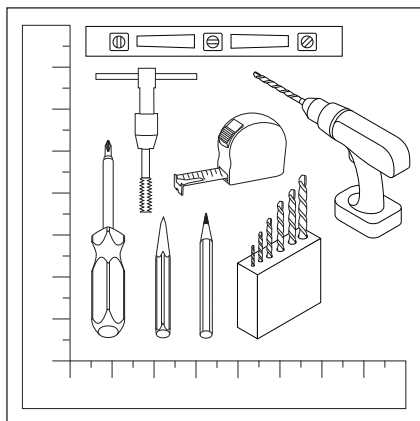
Installation Instructions

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)

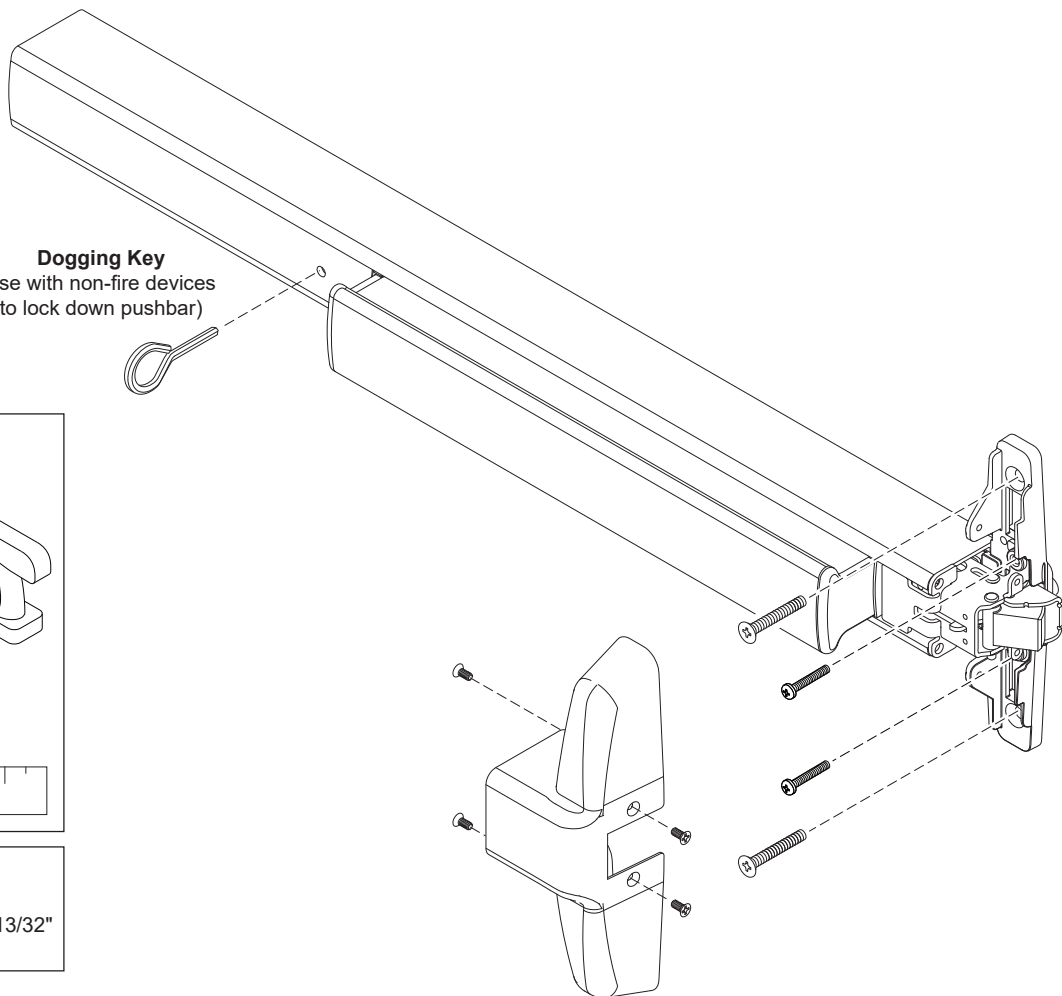


Special tools needed:

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

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

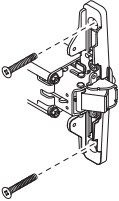
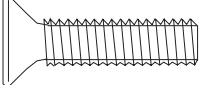
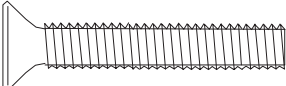
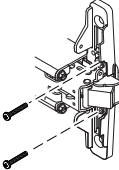
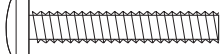
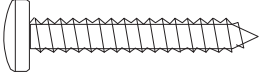
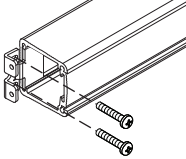
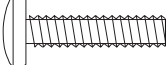
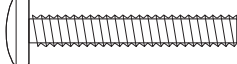
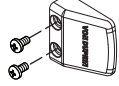

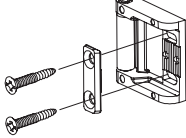

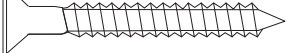
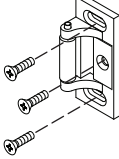
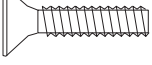
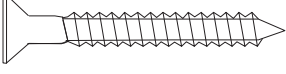
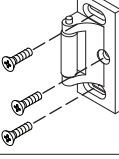

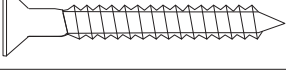
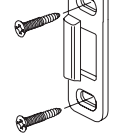
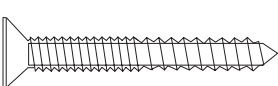
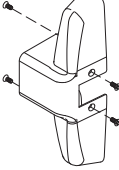


For hurricane rated device requirements, see page 2.



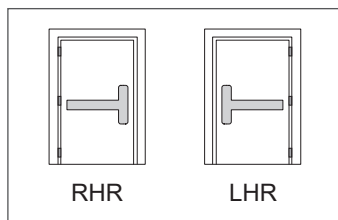
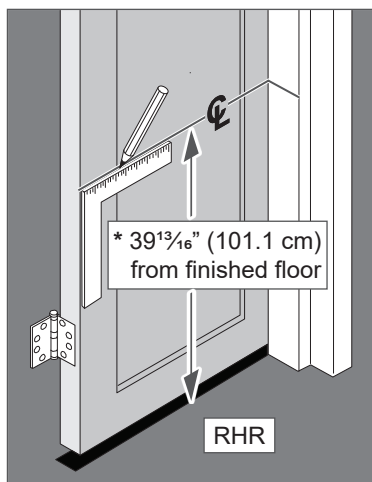
Hurricane rated exit device requirements (when used with approved Allegion door applications)

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
A 		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 		#10-24 x 1" (25 mm)	Metal door surface mount (Yellow)
		#10 x 1 1/4" (32 mm) Wood screw	Wood door surface mount
C 		#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
D 		#10-16 x 3/8" (10 mm) Thread cutting	End cap
E 		#10-24 x 3/4" (19 mm)	Metal frame
		#10 x 1 1/2" (38 mm) Wood screw	Wood frame
F 		#10-24 x 3/4" (19 mm)	Metal frame
		#10 x 1 1/2" (38 mm) Wood screw	Wood frame
G 		#10-24 x 3/4" (19 mm)	Metal frame
		#10 x 1 1/2" (38 mm) Wood screw	Wood frame
H 		#10-12 x 10-24 x 1 1/4" (32 mm) combination	Metal or wood frame
I 		#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)

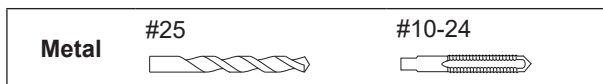
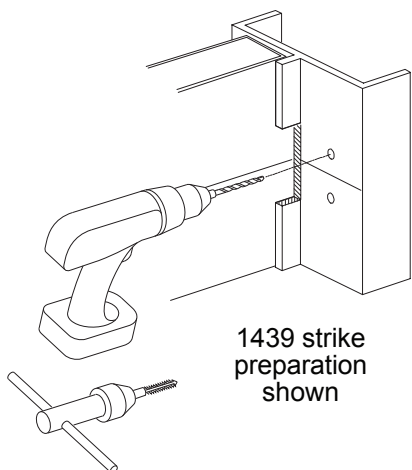
1 Draw horizontal device and strike center lines (C).



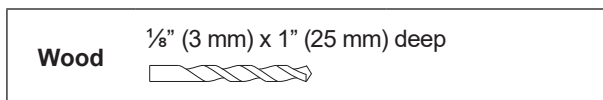
* For double doors with a mullion and strike already installed, use existing strike center line.

2 Prepare frame for strike using paper templates.

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



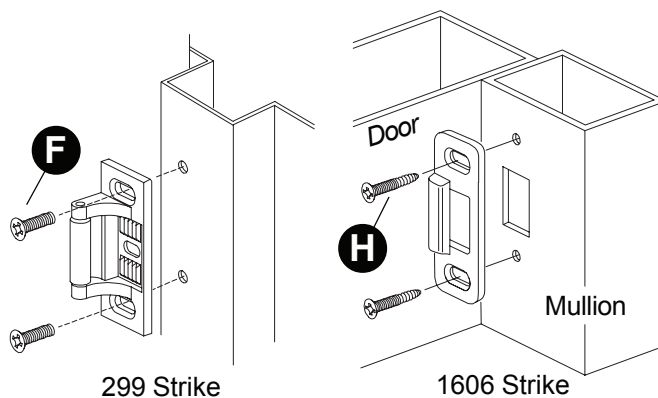
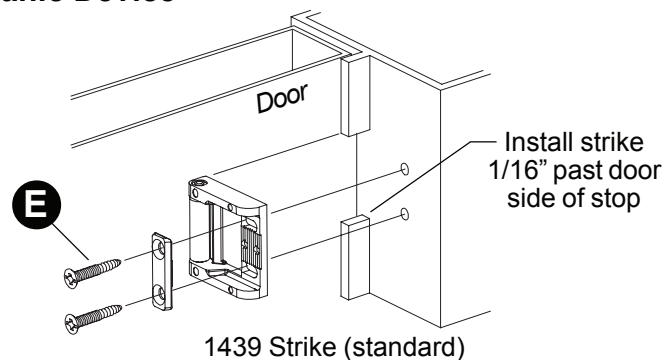
OR



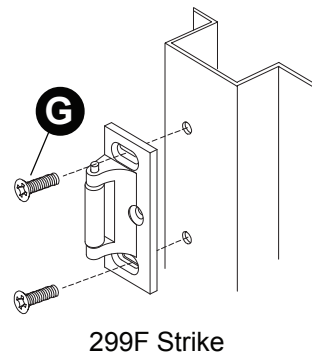
See "Screw Chart" on previous page for screw types and sizes.

3 Install strike using two screws only at this time.

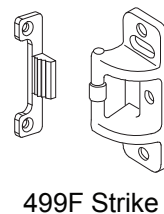
Panic Device



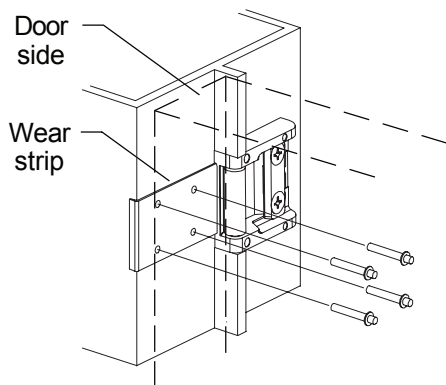
Fire Rated Device



For 499F strike installation, see page 7.



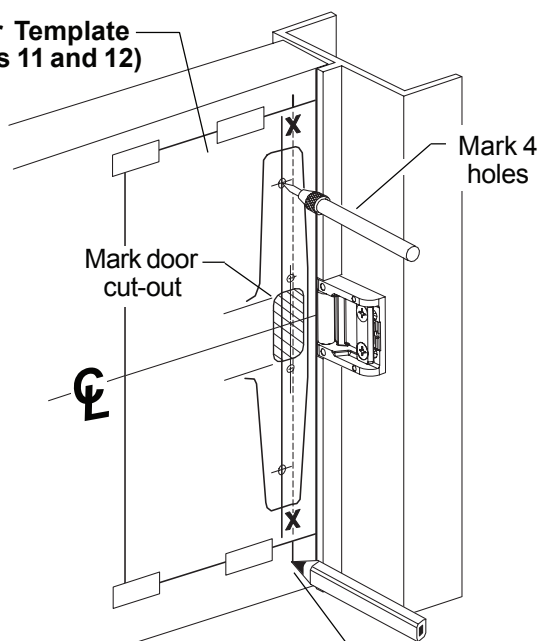
4 If using a 1439 strike, install wear strip. If not, go to step 5.



- 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)

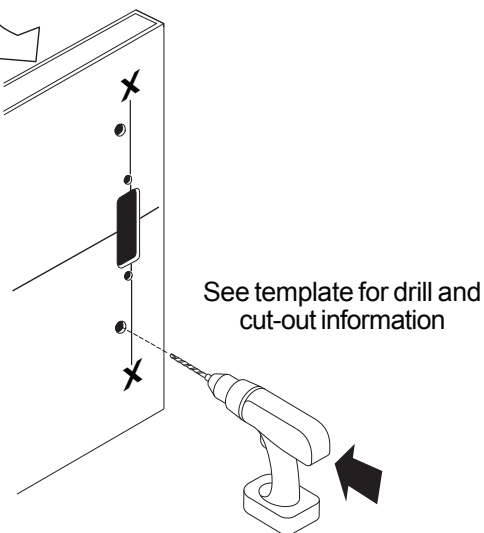


Mark vertical line **X-X** for trim alignment

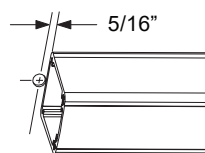
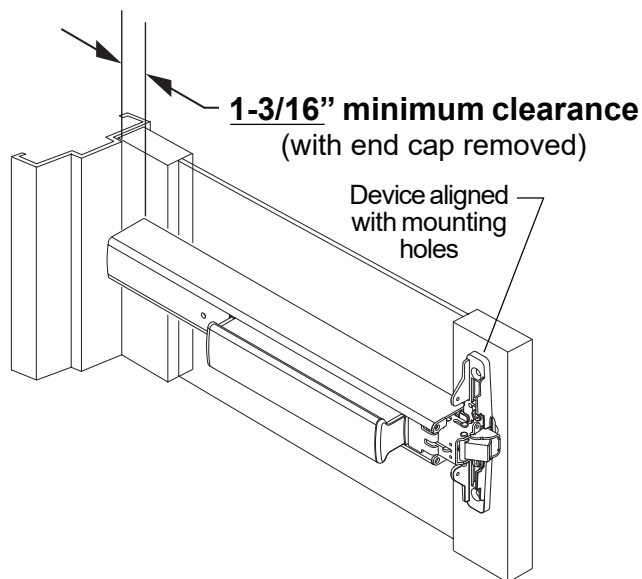
Note: Line X-X is a reference line on the paper template used for trim and exit device alignment. Line X-X shown here should correspond to line X-X in the trim installation instructions

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.

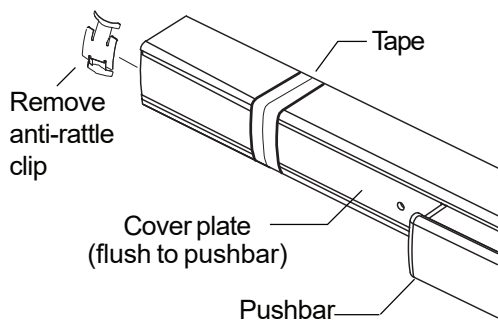


Note

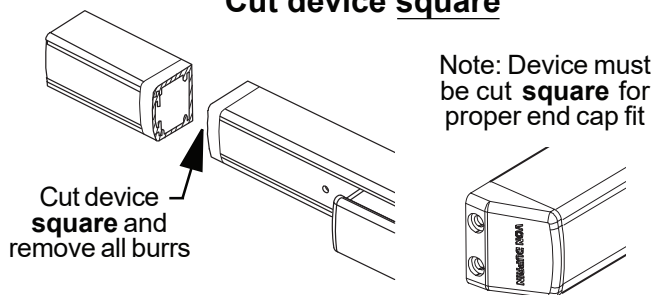
If 5/8" diameter wire access hole has been predrilled in door, cut device 5/16" from center of hole.

8 If necessary, cut device.

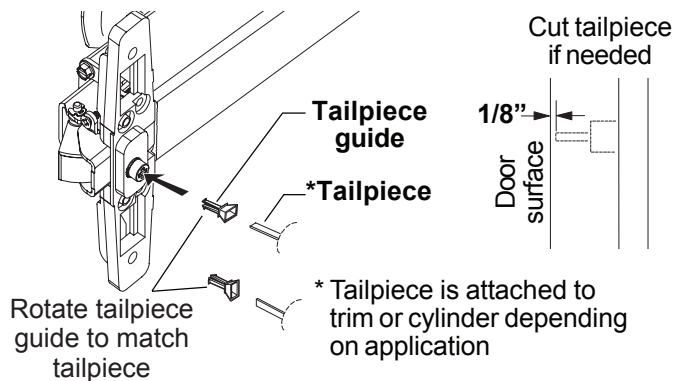
Prepare device for cutting



Cut device square

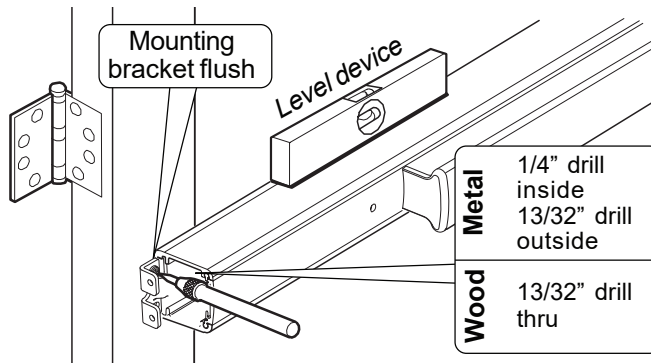


9 If using a cylinder with a tailpiece, prepare device and cylinder.

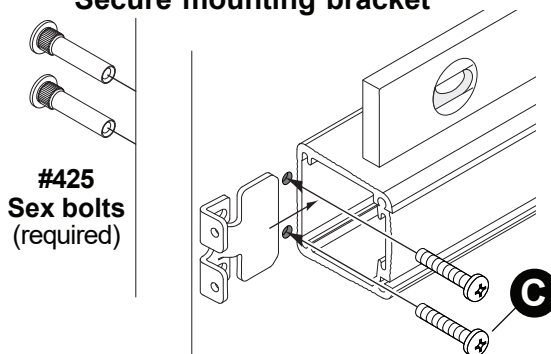


11 Install hinge stile mounting bracket.

Mark and prepare 2 mounting holes

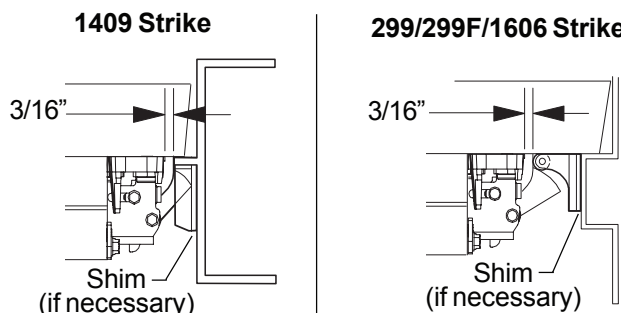


Secure mounting bracket

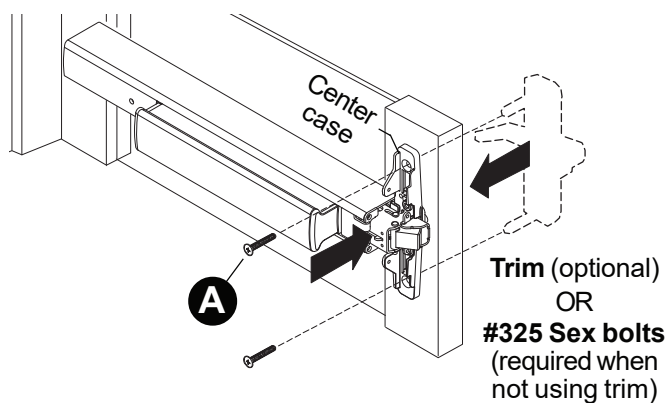


12 Adjust strike as needed.

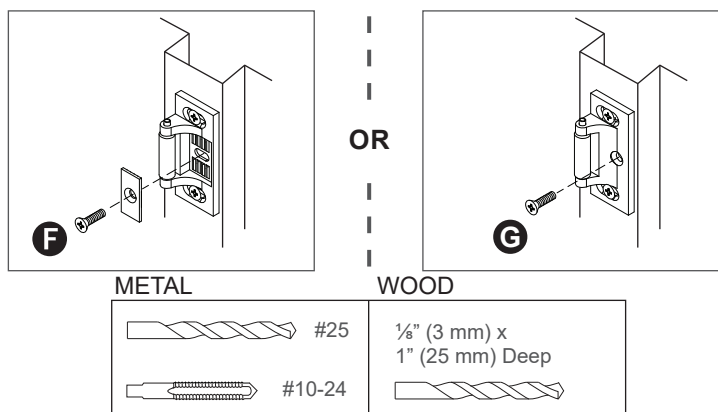
Shim strike for 3/16" clearance to chassis



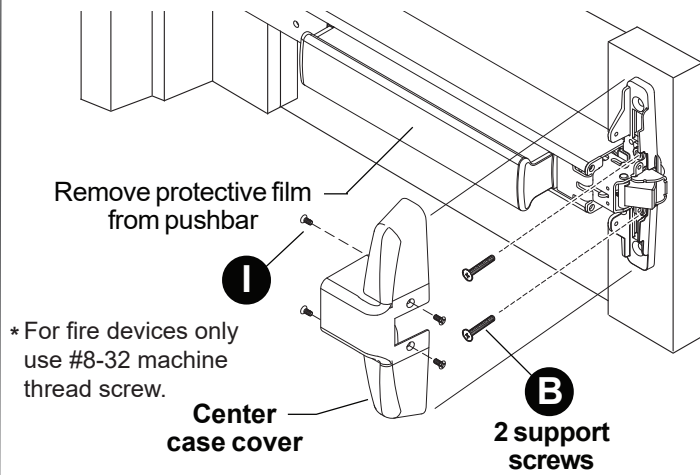
10 Attach center case to door.



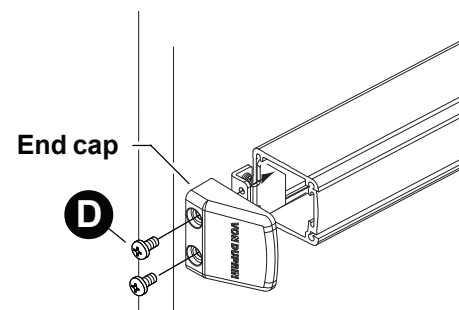
13 Install strike support screw.



14 Install 2 support screws and center case cover

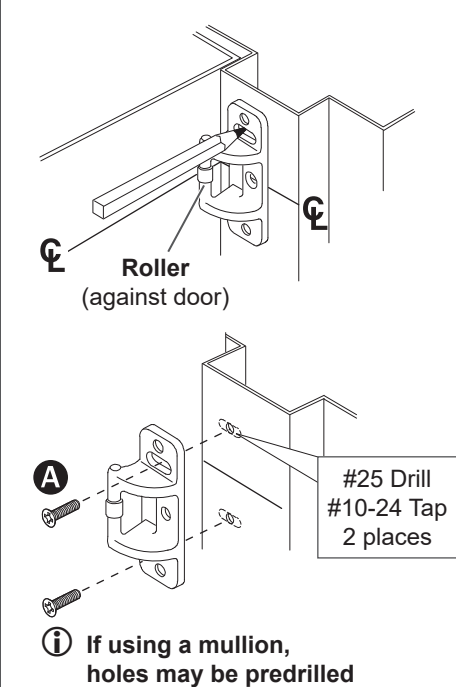


15 Install 2 support screws and center case cover

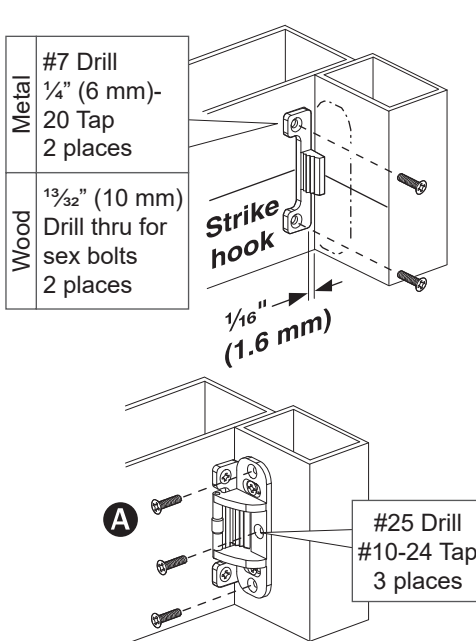


499F STRIKE INSTALLATION

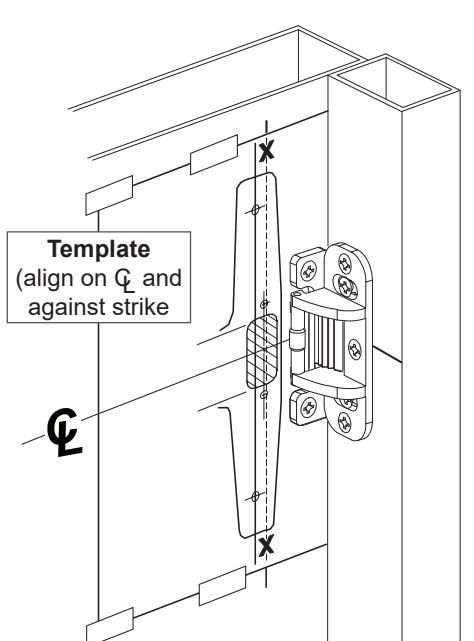
1. Prepare and install screws through two strike slots.



2. Install strike hook and additional strike screws.

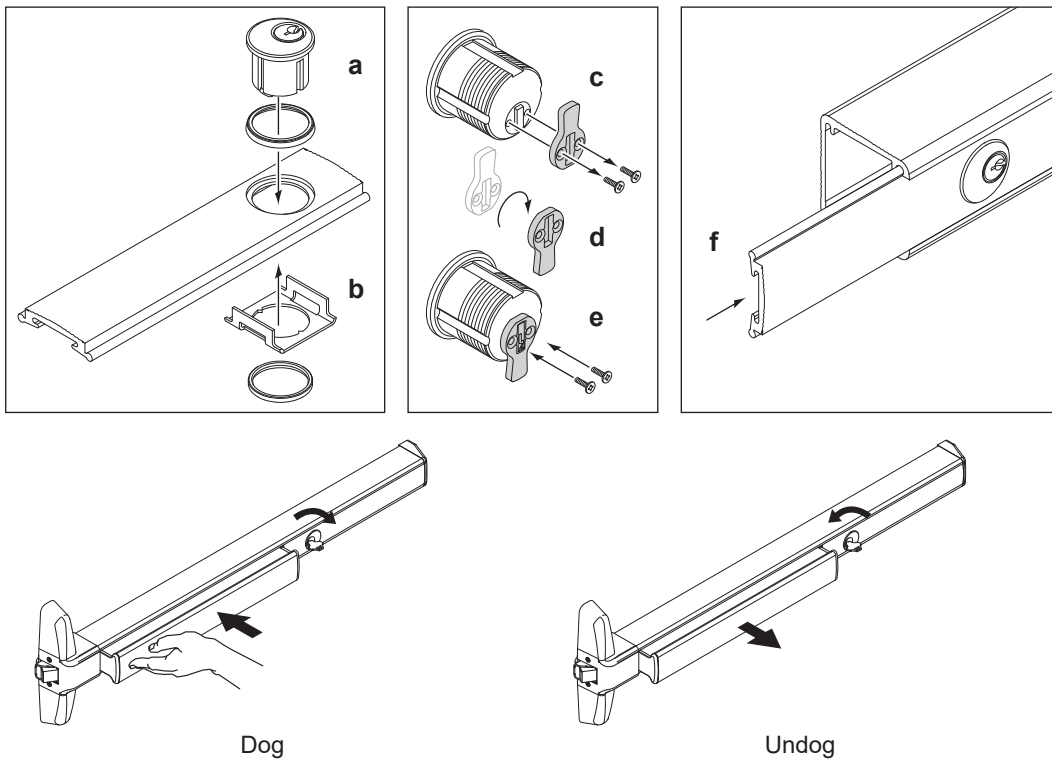


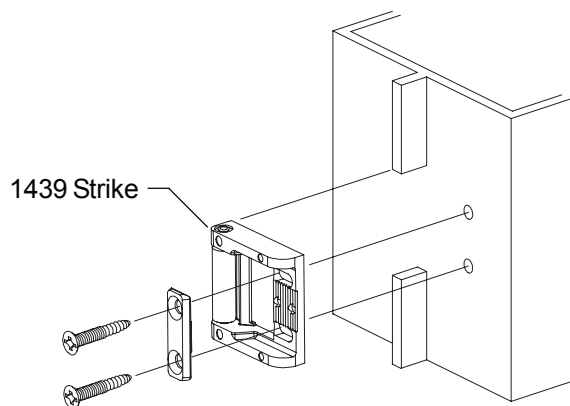
3. Template aligns as shown.



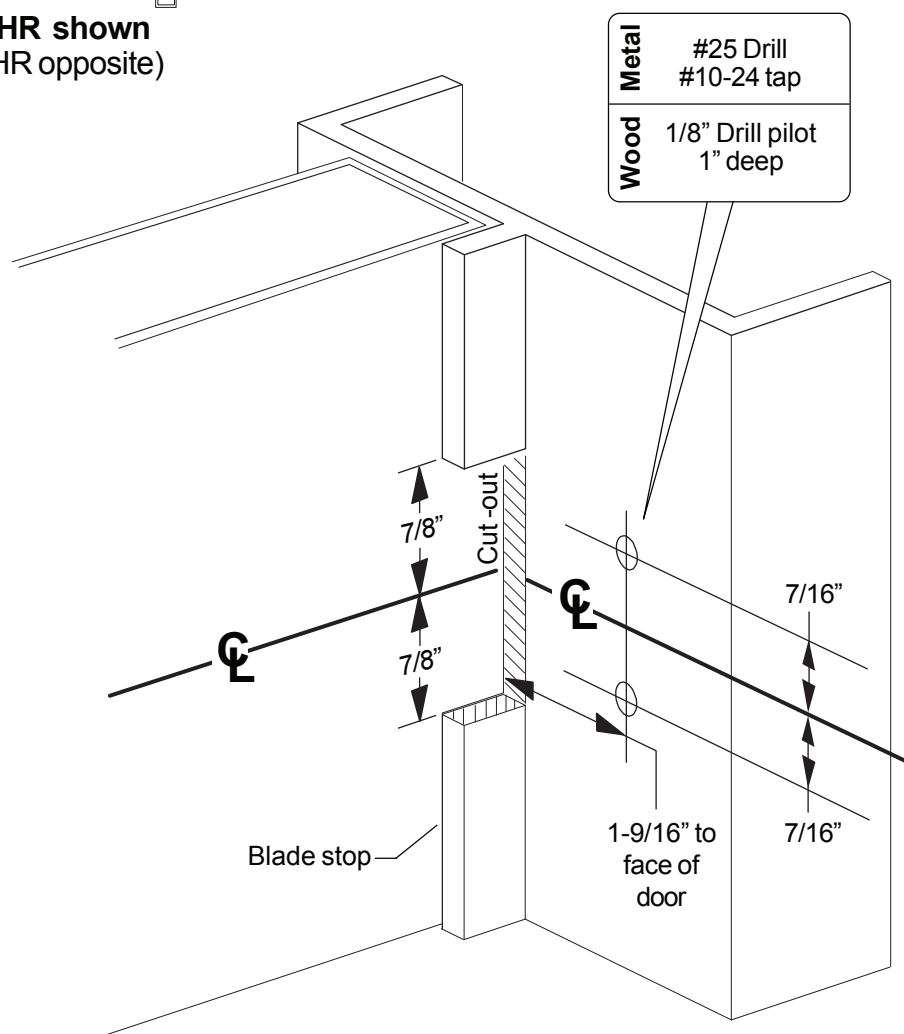
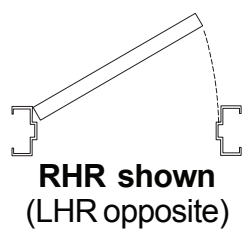
OPTIONAL EQUIPMENT

CD (Cylinder Dogging) Option

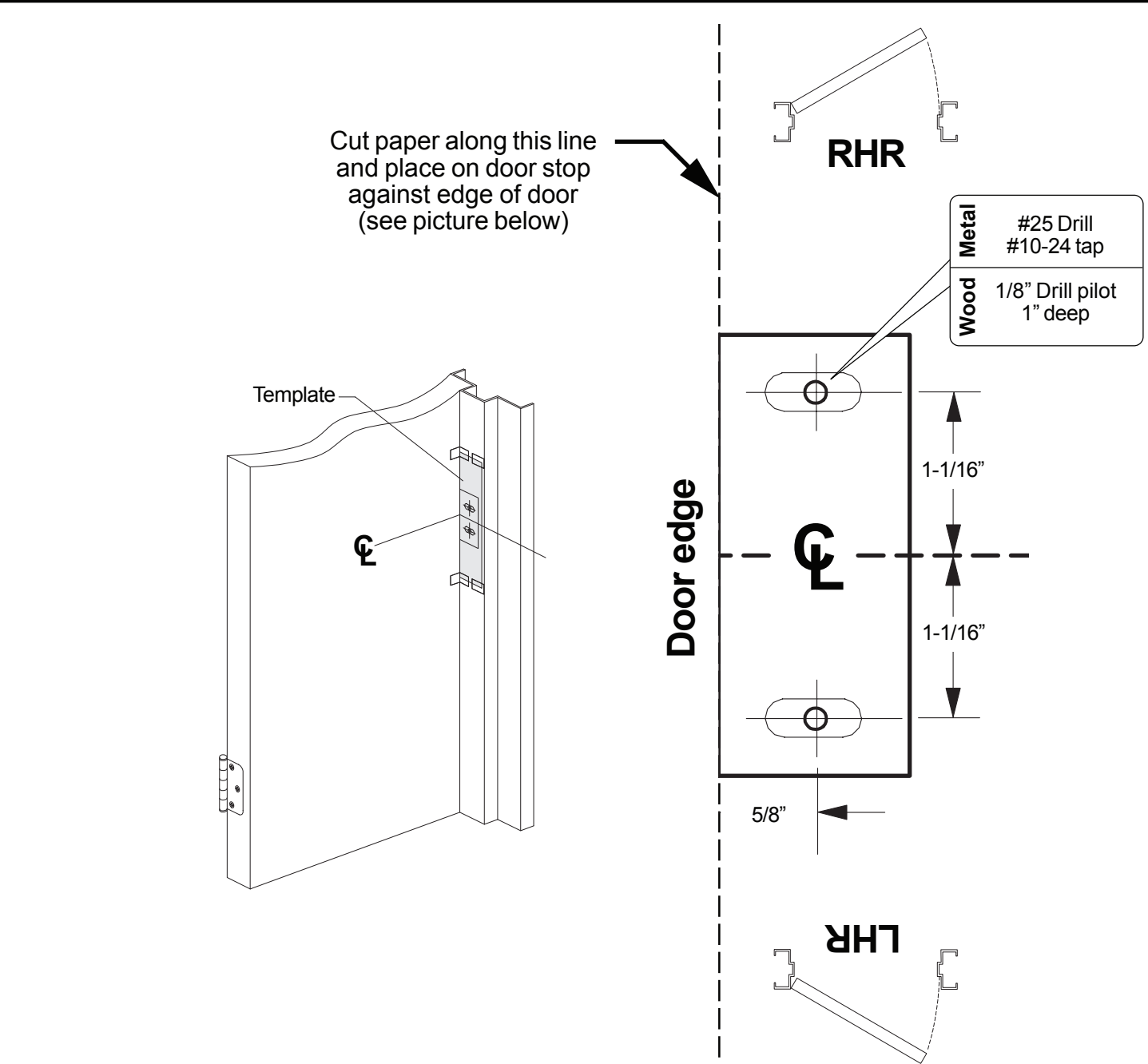
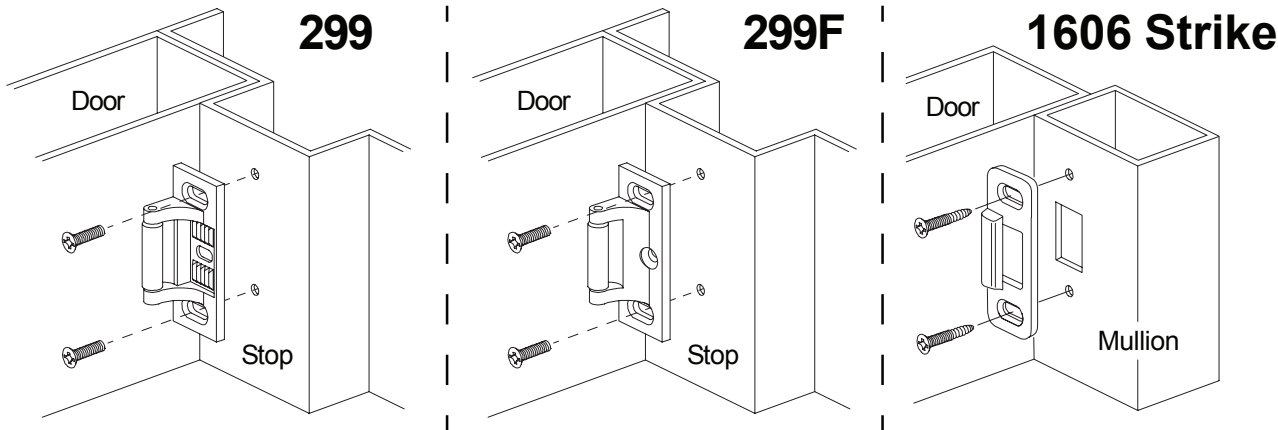




1439 Strike Frame Preparation



299/299F/1606 Strike Template

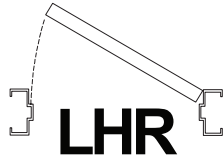


75 Rim device Template

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"

7/8"

1-3/16"

7/8"

1-3/16"

1/4"
Radius

7/32"

7/8"

19/32"

3-1/8"

C of device

X

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)

75 Rim device Template

