



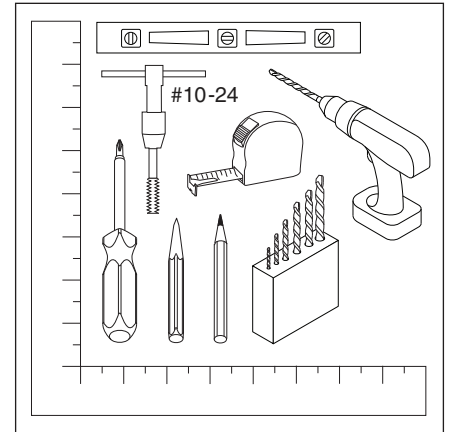
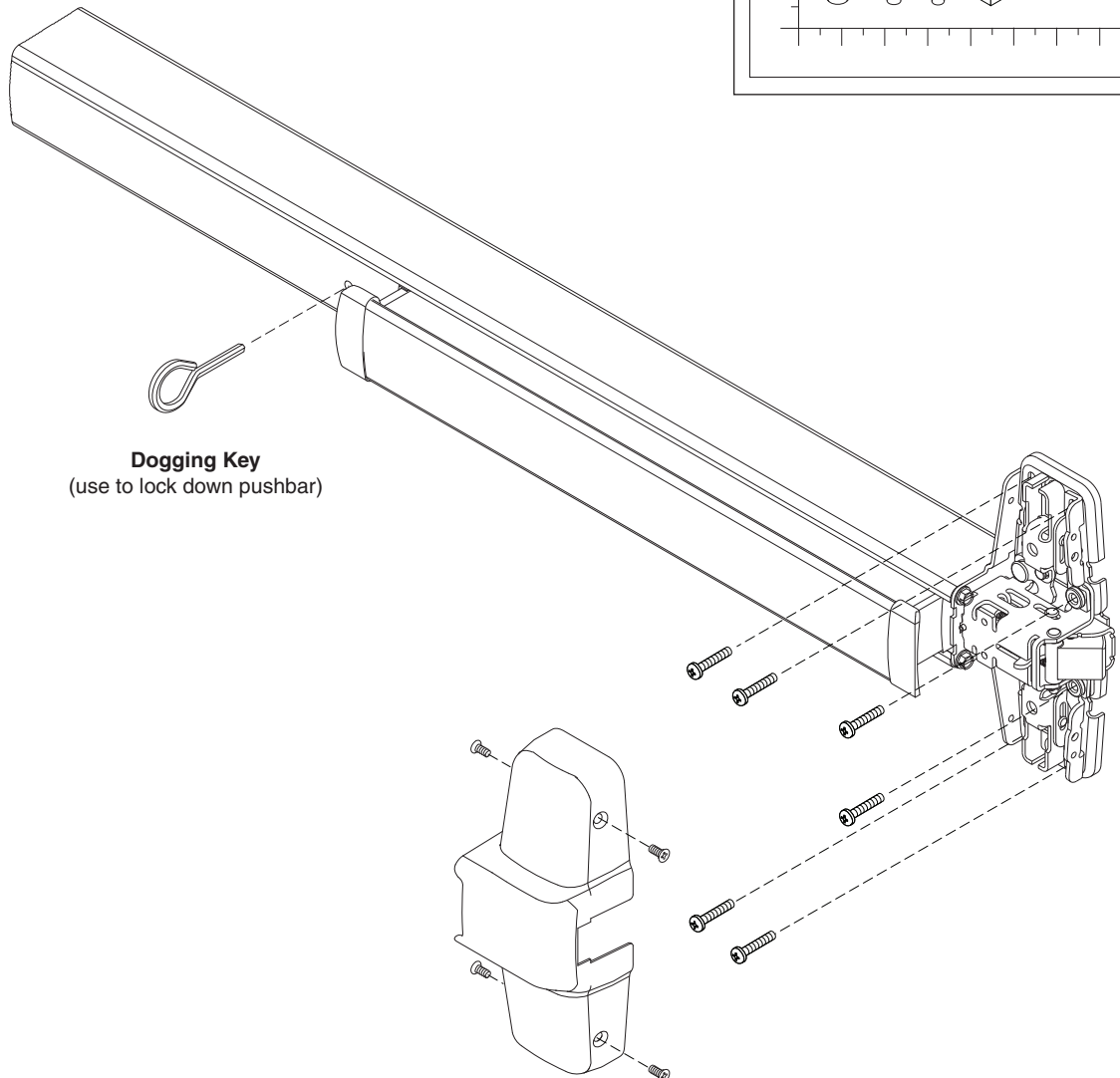
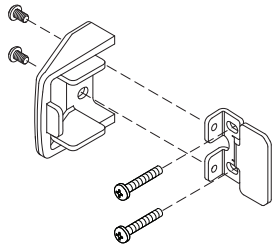
911373-00

98/99

VON DUPRIN®

Rim Exit Device

Installation Instructions



Dogging Key
(use to lock down pushbar)



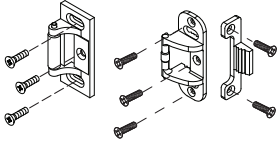
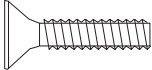
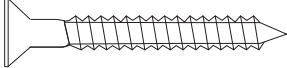
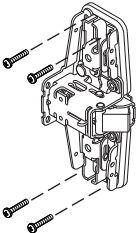
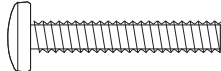
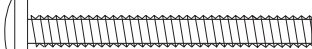
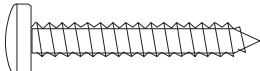
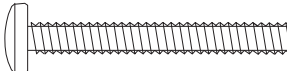
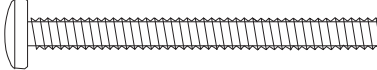
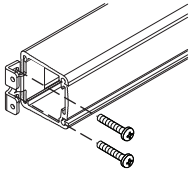
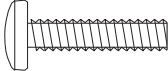
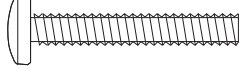
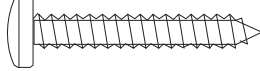
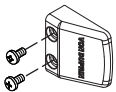
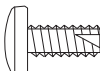
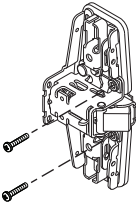
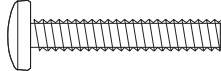
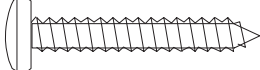
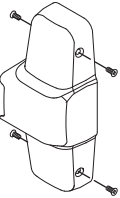

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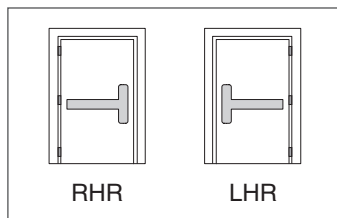
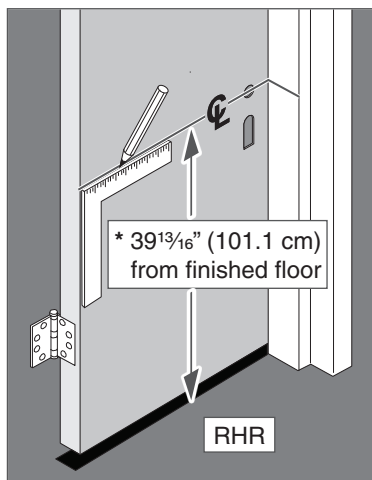
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911373-00 Rev. 05/17-h

SCREW CHART

Subassembly	Screw		Application
A  299 Strike 499F Strike		#10-24 x ¾" (19 mm)	Metal frame
		#10 x 1½" (38 mm) Wood screw	Wood frame
B 		#10-24 x 1" (25 mm)	Surface mount or Sex bolts 1¾" (44 mm) door
		#10-24 x 1½" (38 mm)	Sex bolts, 2¼" (57 mm) door
		#10 x 1¼" (32 mm) Wood screw	Surface mount (wood)
	Packaged with 990 Trims:		
		#10-24 x 1⅜" (35 mm)	1¾" (44 mm) door, 990 Trim
		#10-24 x 1⅞" (48 mm)	2¼" (57 mm) door, 990 Trim
C 		#10-24 x ¾" (19 mm)	Surface mount or Sex bolts 1¾" (44 mm) door
		#10-24 x 1⅛" (29 mm)	Sex bolts, 2¼" (57 mm) door
		#10 x 1¼" (32 mm) Wood screw	Surface mount (wood)
D 		#10-16 x ⅜" (10 mm) Thread cutting	End cap
E 		#10-24 x 1" (25 mm)	Surface mount (metal)
		#10 x 1¼" (32 mm) Wood screw	Surface mount (wood)
F 		#8-18 x ⅜" (10 mm) Thread cutting	Center case cover

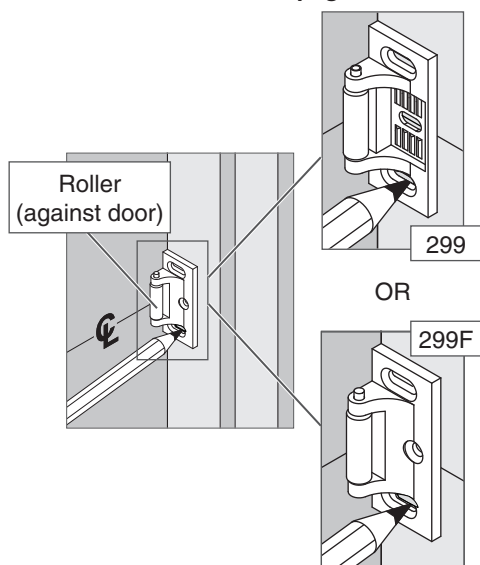
1 Draw horizontal device and strike center lines (☿).



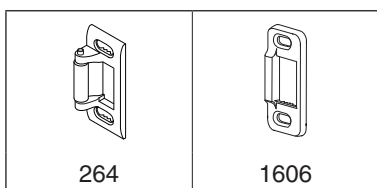
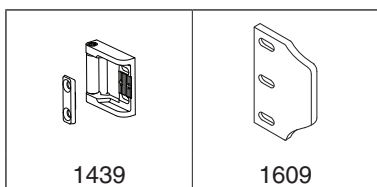
* For double doors with a mullion and strike already installed, use existing strike center line.

2 Align strike on ☿ and mark the two slotted holes.

❗ For 499F strike installation, see page 6.

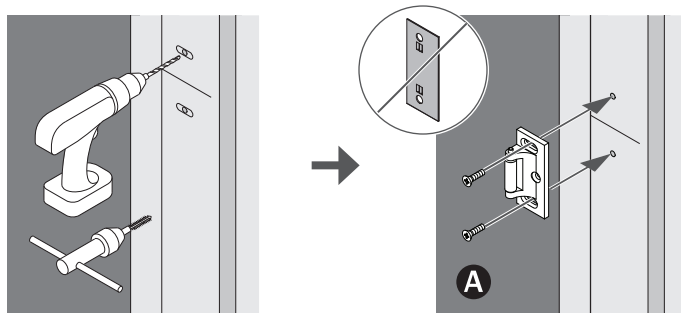


❗ For more information on the strikes shown below, go to <http://w3securitytechnologies.com> and look for the Support area for Von Duprin installation instructions.



3 Prepare 2 holes and install 2 screws.

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

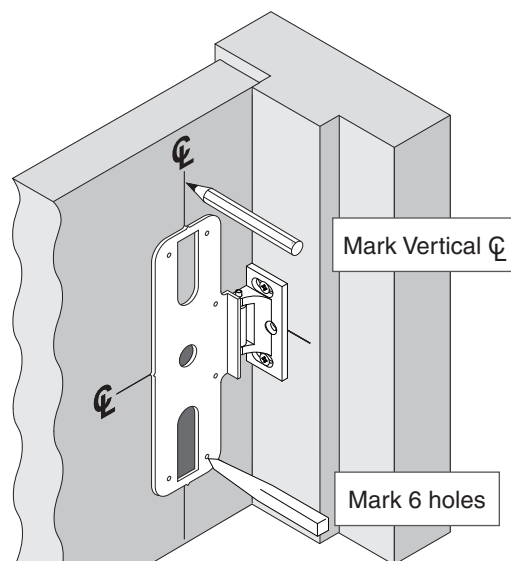


Metal	#25	#10-24

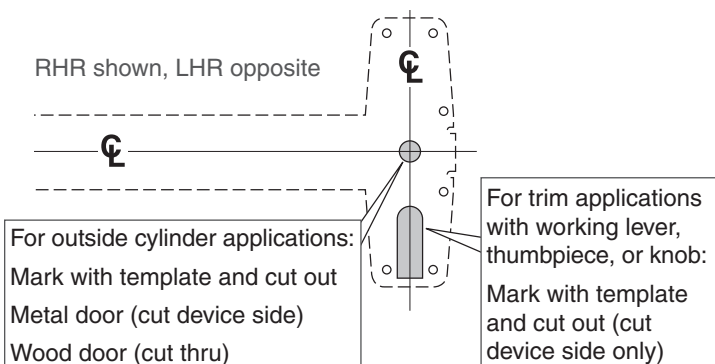
OR

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

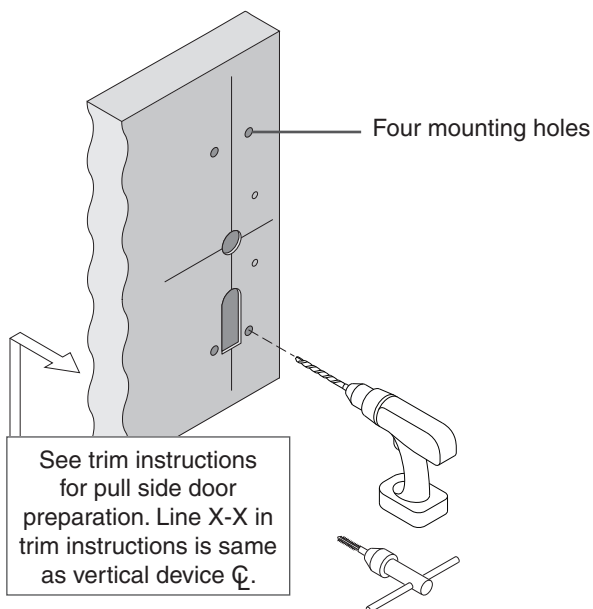
4 Position template against strike and on ☿ and mark door.



5 If necessary, prepare cutouts for cylinder and trim.

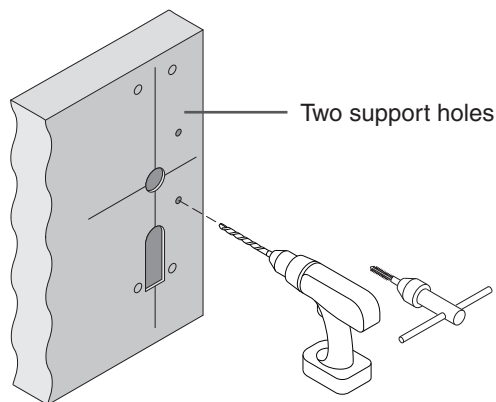


6 Prepare 4 center case mounting holes.



	SURFACE MOUNT	OR	SEX BOLTS or 990 TRIMS
METAL	#25		1/4" (6 mm) Device Side
	#10-24		13/32" (10 mm) Trim Side
WOOD	1/8" (3 mm) x 1" (25 mm) Deep		13/32" (10 mm) Drill Thru

7 Prepare 2 center case support holes.

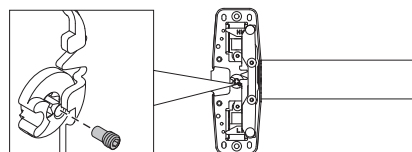


	METAL	OR	WOOD
	98/99 and 98/99-F		98/99
	#25		1/8" (3 mm) x 1" (25 mm) Deep
	#10-24		98/99-F
			#825 Sex bolts (2) required
			1/16" (2 mm)
			3/8" (10 mm)
			5/16" (16 mm)

8 If necessary, remove NL drive screw

NL drive screw

Factory installed on back of center case



With the NL drive screw removed, key locks and unlocks lever, knob, or thumb piece. For the trims listed below, **REMOVE** NL drive screw.

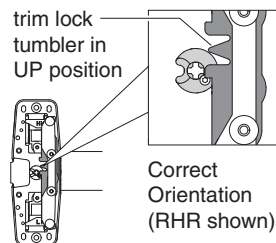
996L	696TP	990TP
996K	697TP	

With the NL drive screw installed, key retracts latch bolt. **DO NOT** remove NL drive screw for the following applications:

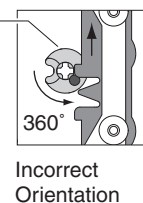
NL, EO, DT trims and 98/99-2 double cylinder devices (i.e. TP-2, L-2, and K-2).

*996L-BE	*E996L	*696TP-BE	*990TP-BE
*996K-BE	*E996L-BE	*697TP-BE	

* If the trim being installed is "BE" (i.e. 996L-BE), the trim lock tumbler on the back of the device must be in the **UP** position before device is installed. This allows the trim to be unlocked at all times.

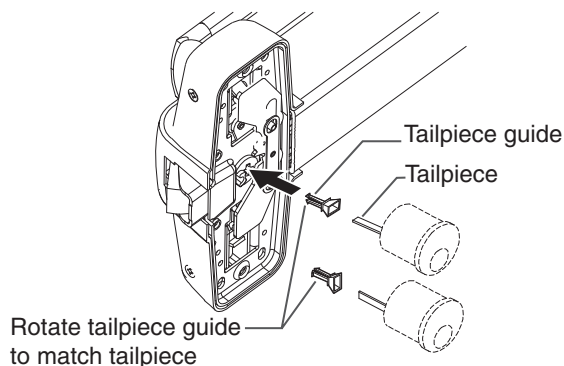


If necessary, remove drive screw and rotate cam until trim lock tumbler is in UP position, then reinstall drive screw

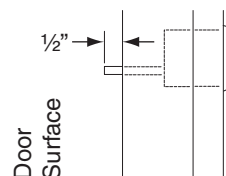


9 If using a cylinder with a tailpiece, prepare device and cylinder.

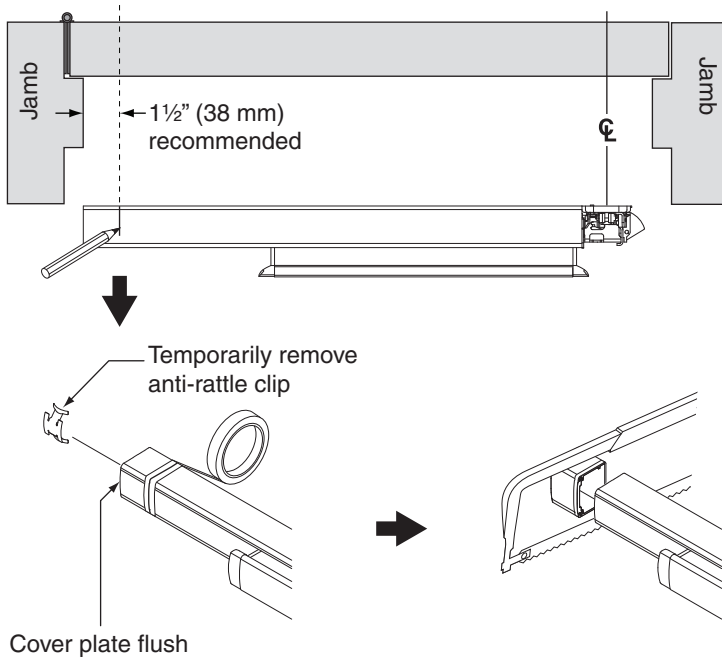
9a Install tailpiece guide.



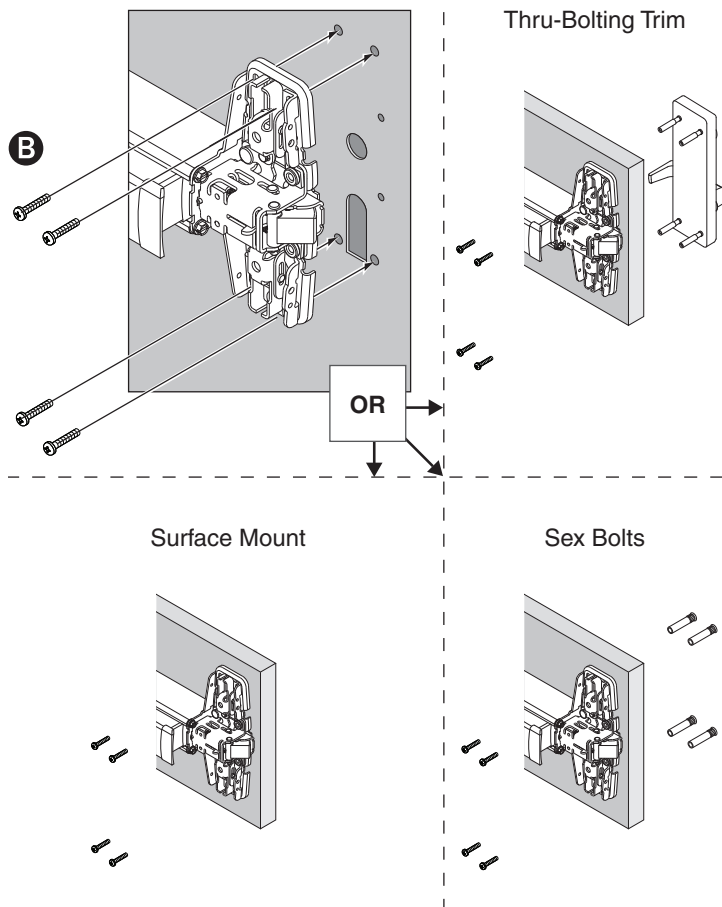
9b Cut tailpiece as needed.



10 If necessary, cut device.

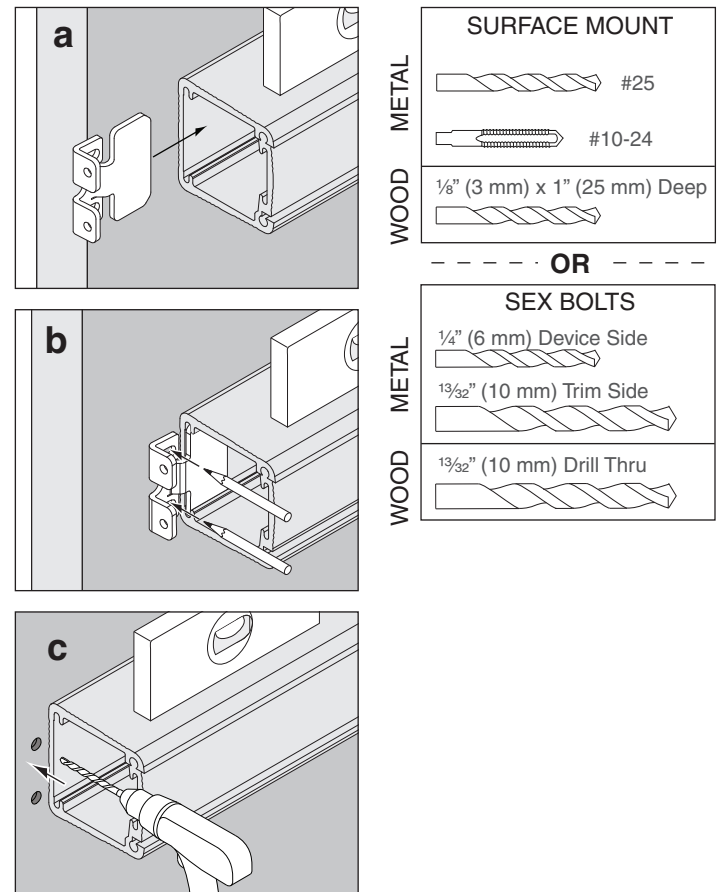


11 Attach center case to door.

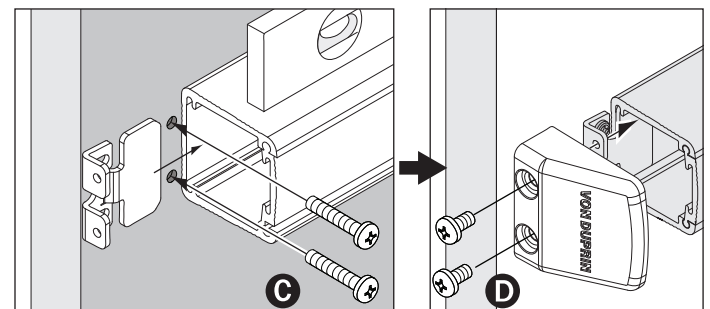


12 Mark and prepare two (2) holes.

i Prepare holes after lock side of device is mounted and hinge side is leveled.

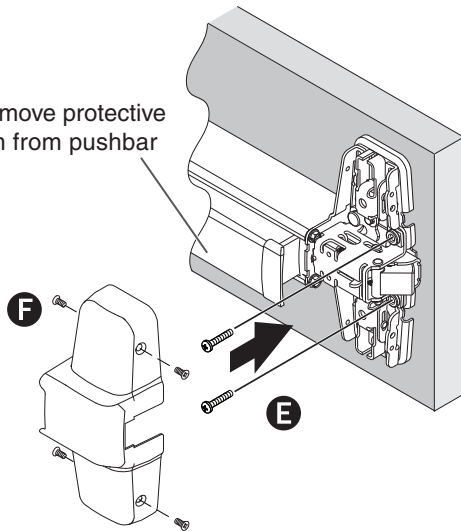


13 Install end cap bracket and end cap.



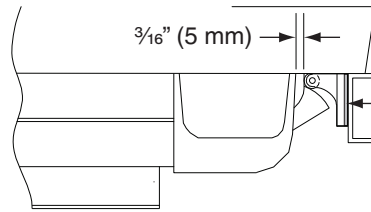
14 Install required support screws and center case cover.

Remove protective film from pushbar

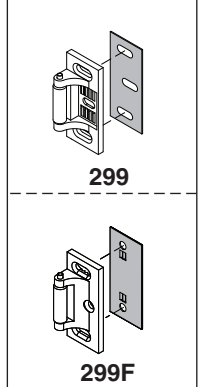


15 Adjust strike as needed.

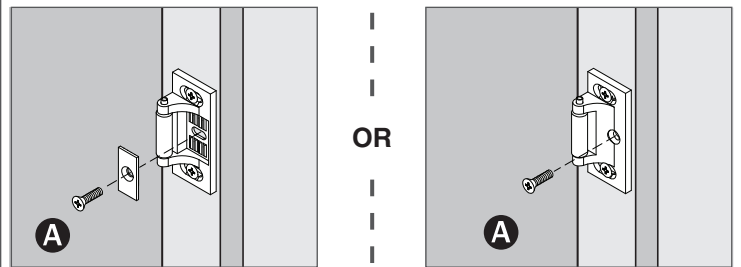
299/299F Strike



Shim as needed

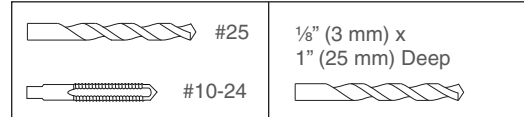


16 Install strike support screw.



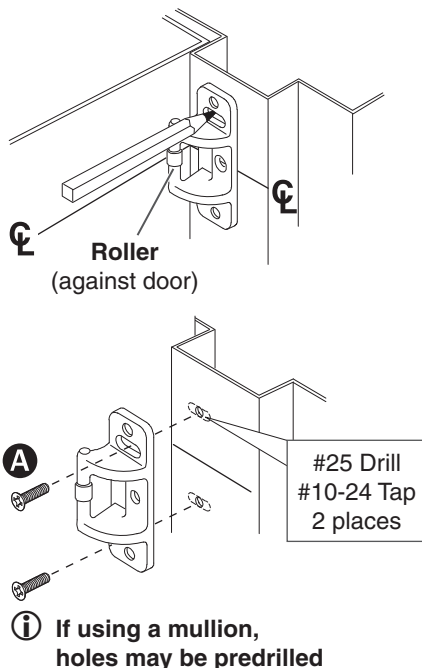
METAL

WOOD

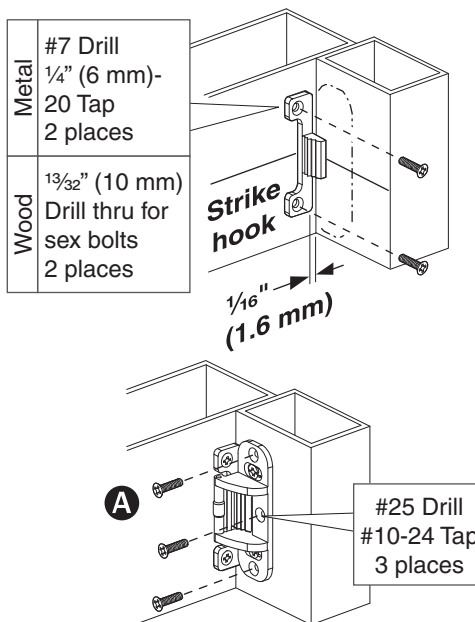


499F STRIKE INSTALLATION

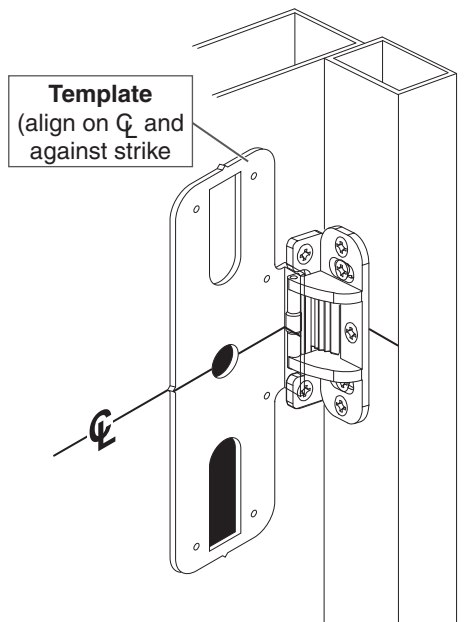
1. Prepare and install screws through two strike slots.



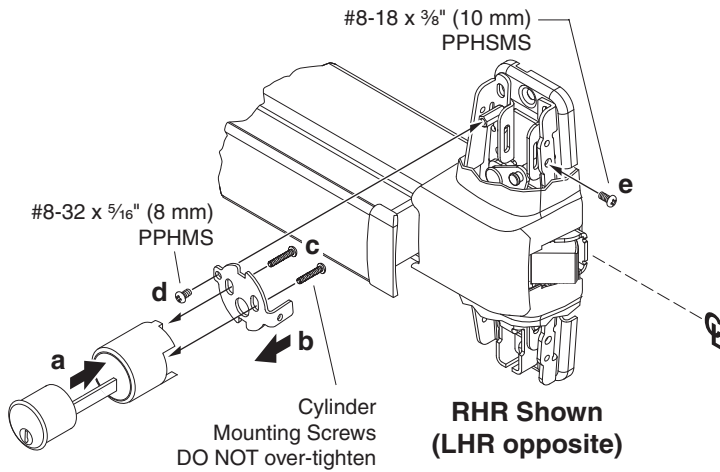
2. Install strike hook and additional strike screws.



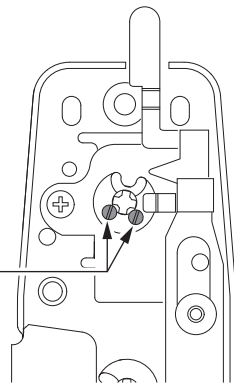
3. Template aligns as shown.



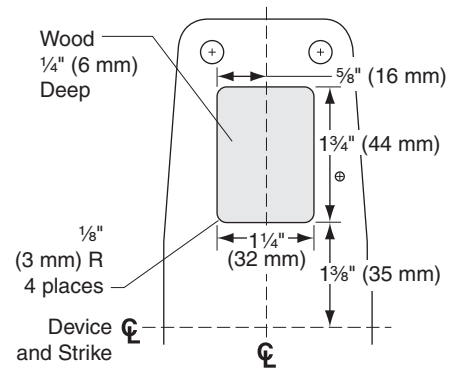
99-2 (DOUBLE CYLINDER) OPTION



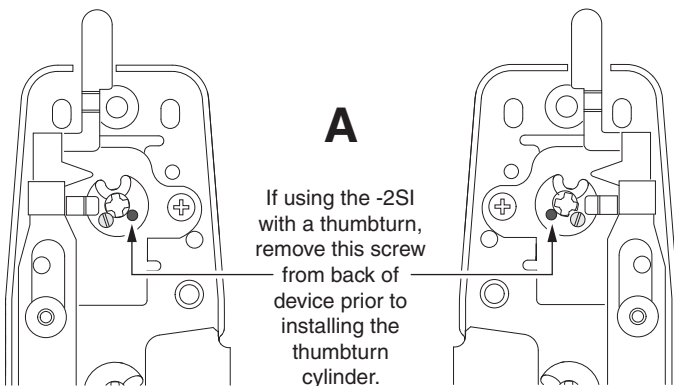
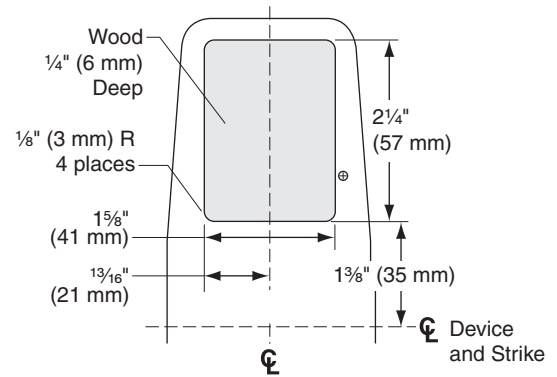
If using the -2SI with a keyed rim cylinder, remove the 2 stop screws from back of device prior to installing the cylinder.



Door Cutout for 99-2 "Double Cylinder" Option



Door Cutout for 99-2SI "Double Cylinder" Option



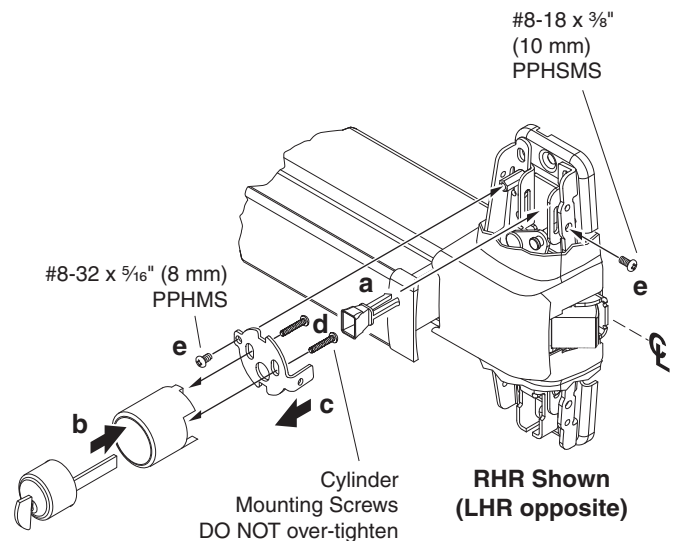
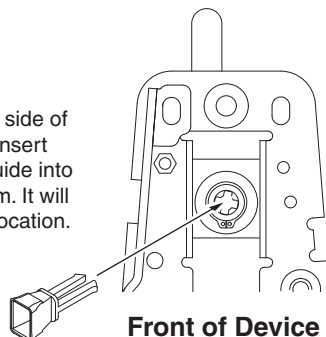
**LHR
Back of Device**

(device shown in unlocked position)

**RHR
Back of Device**

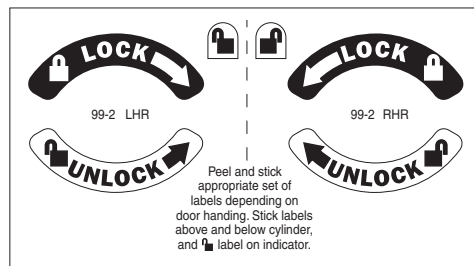
From front side of device, insert tailpiece guide into master cam. It will snap into location.

B



99-2 (DOUBLE CYLINDER) OPTION - CONTINUED

For 98/99-2SI models with Classroom Security Indicator, apply supplied labels above and below cylinder to match door handing, and  label on indicator.

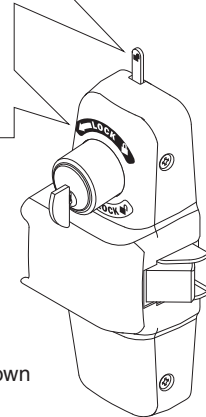


Manually affix the label:

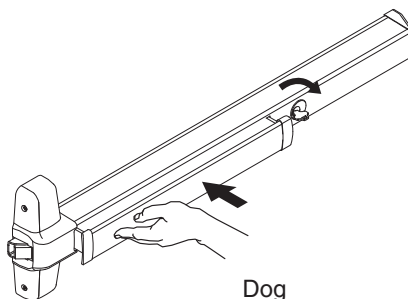
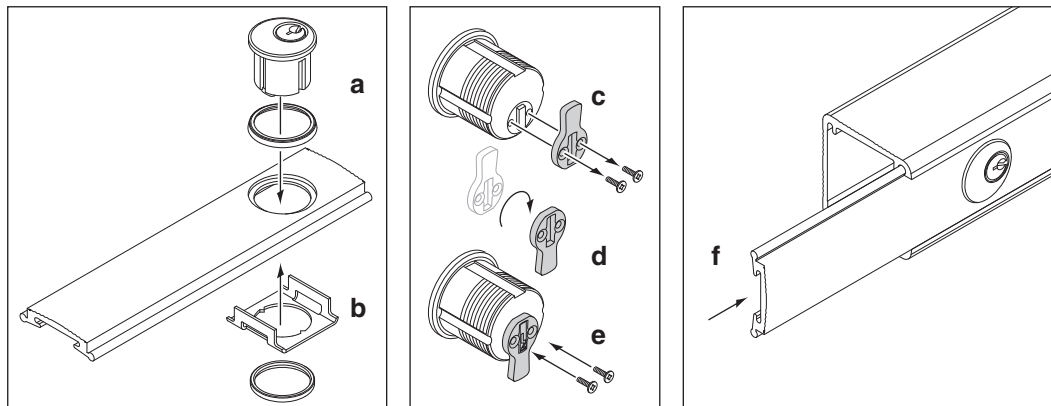
Ensure surface is clean of dirt, dust, or oils. Clean with alcohol if necessary.

Peel the label from the paper backing and apply to the surface. Minimize handling when applying and use pressure to burnish label to surface. The adhesive will require up to 8 hours to achieve the proper bond.

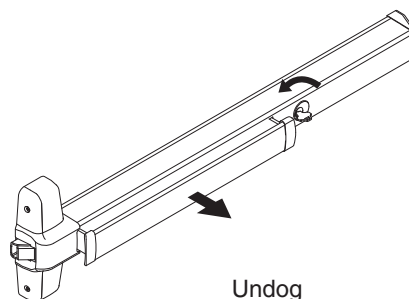
RHR shown



CD (CYLINDER DOGGING) OPTION



Dog



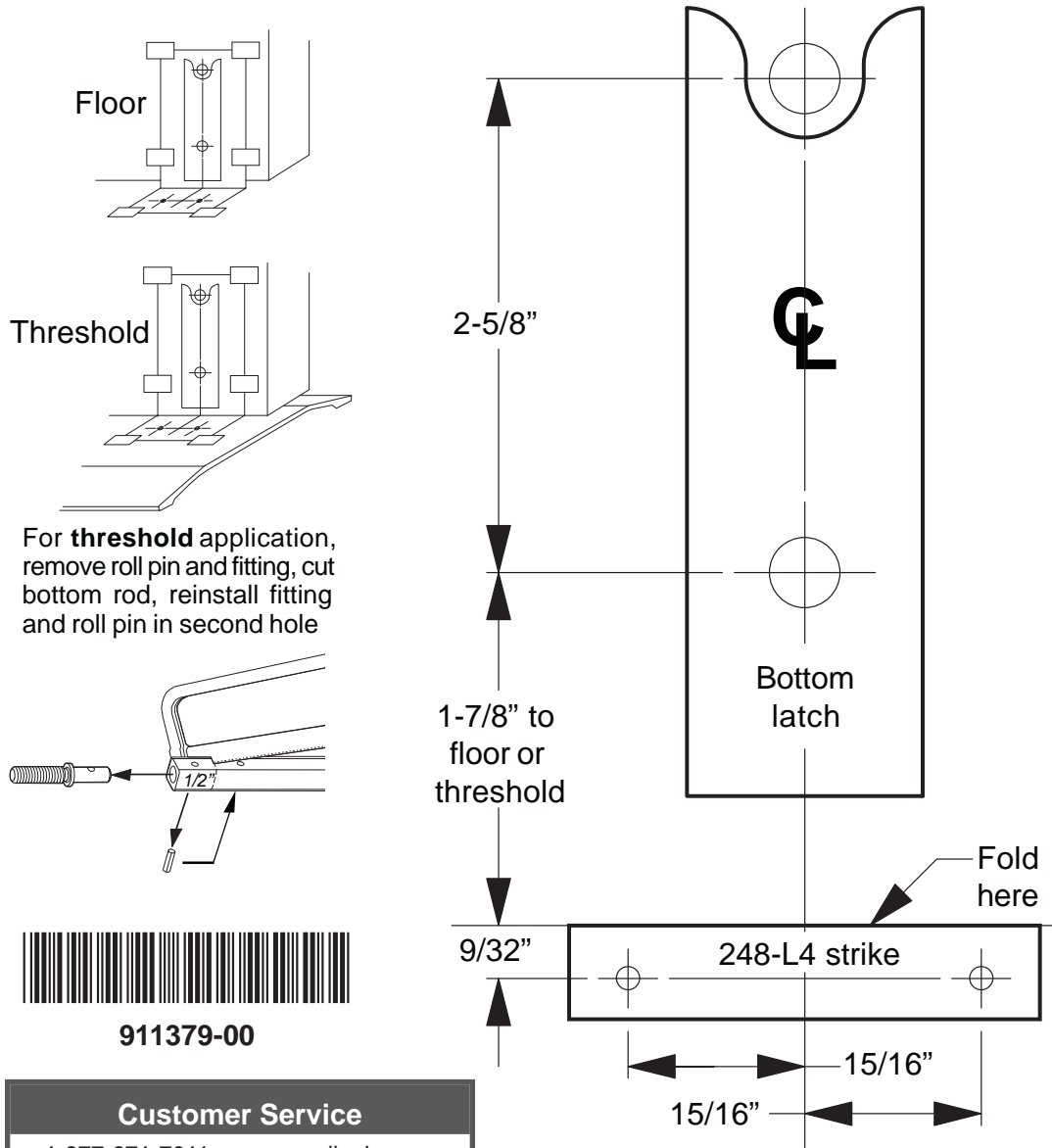
Undog

VON DUPRIN®

98/9927 AND 98/9957

LATCH AND STRIKE TEMPLATES

BOTTOM LATCH AND 248-L4 STRIKE



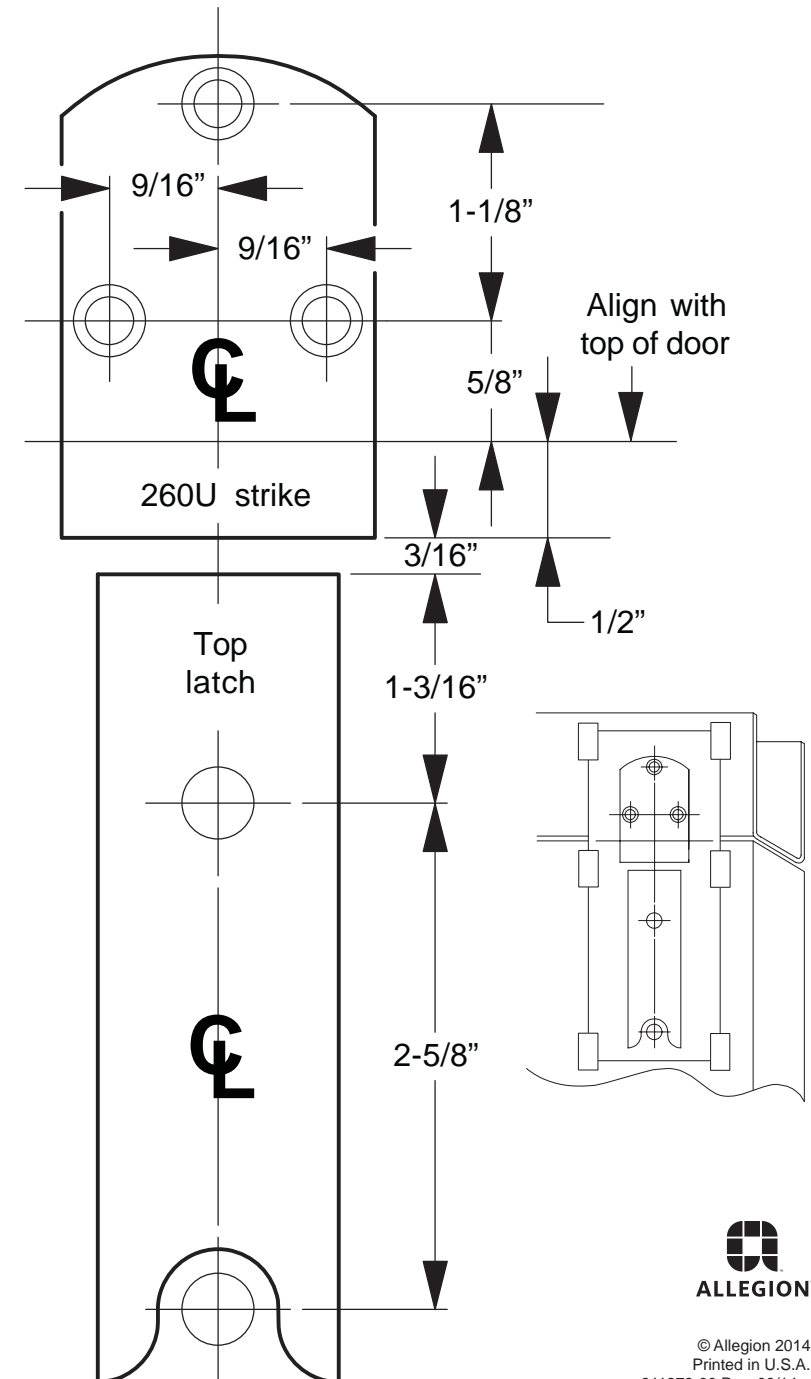
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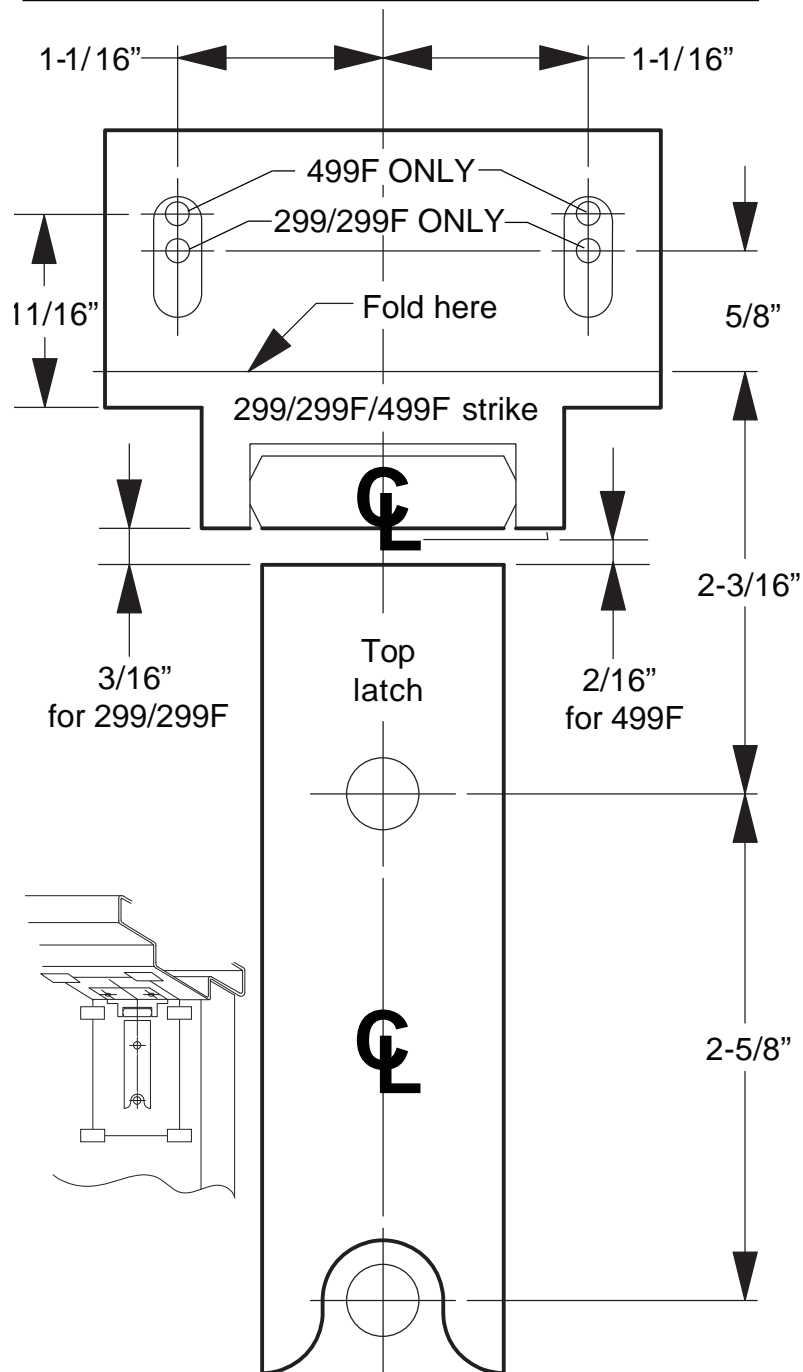
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TOP LATCH AND 260U STRIKE

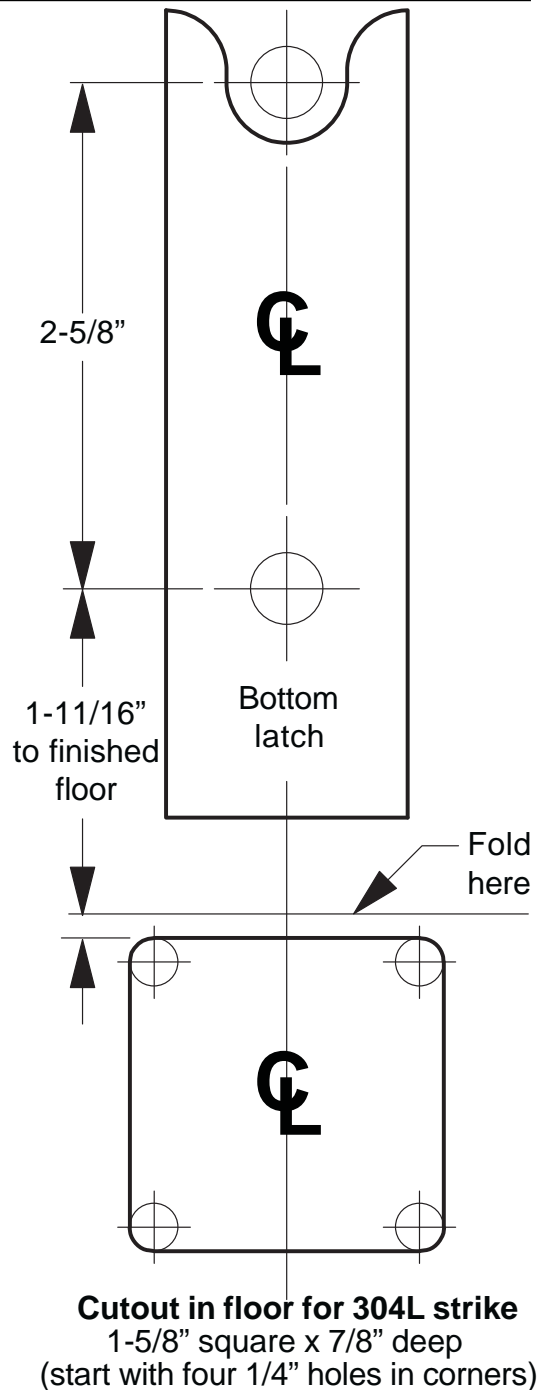


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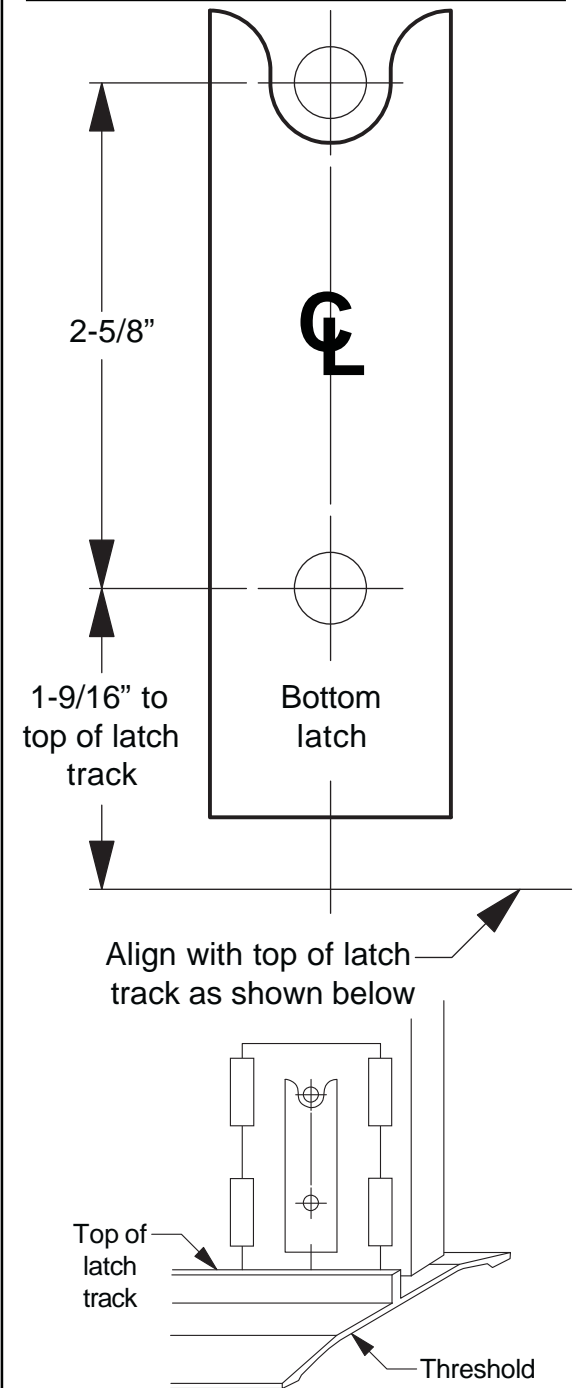
TOP LATCH AND 299/299F/499F STRIKE



BOTTOM LATCH AND 304L STRIKE



BOTTOM LATCH AND LATCH TRACK





941116-00

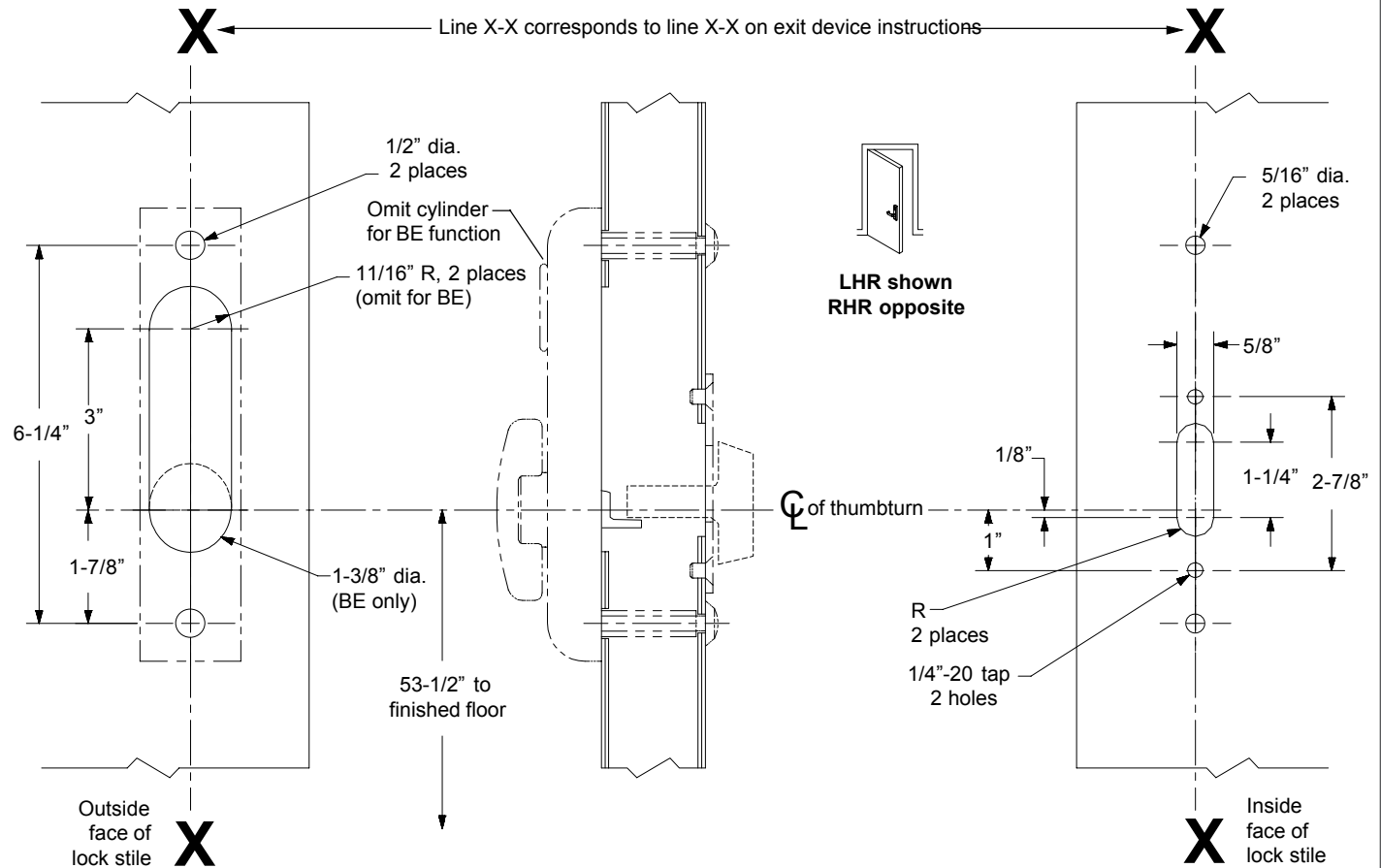
Control for Metal Door Application

377-T & 377-T-BE

VON DUPRIN

Installation Instructions

1. Prepare door for exit device. See exit device instructions for locations of holes, backset (line X-X), and center lines.
2. Prepare door for control:
 - A. 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.
 - B. Locate and prepare holes as indicated.
3. Install cylinder if required (Figs. 1 & 2). Insure cylinder cam is set for required function and replace if necessary.
4. Install control and rub plate (Fig. 2)
5. Slip rod member on top rod.
6. Install top rods (see direction for vertical rod device).
7. Position rod member so finger contacts cam when top latch bolt is extended.
8. Tighten set screws in rod member.
9. Apply device and test key, control, and device action.



For cutouts on inside face of door see instructions in device carton

Device Application Schedule

4427, 8827, 8827-F Vertical Rod Exit Device

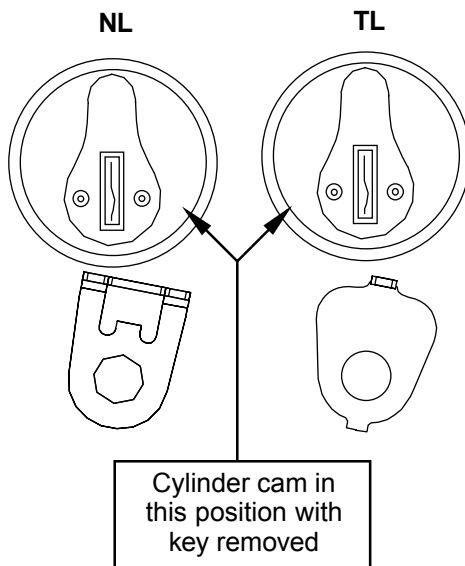
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941116-00 Rev. 01/14-b



TL Function - Control remains unlocked when key is removed

NL Function - Control relocks when key is removed. Requires use of key to operate

For NL function replace TL cylinder plate (std. on all controls) with NL cylinder plate (included in polybag) replacing screw and washer.

Note: Control must be in locked position when installing cylinder plate.

Figure 1

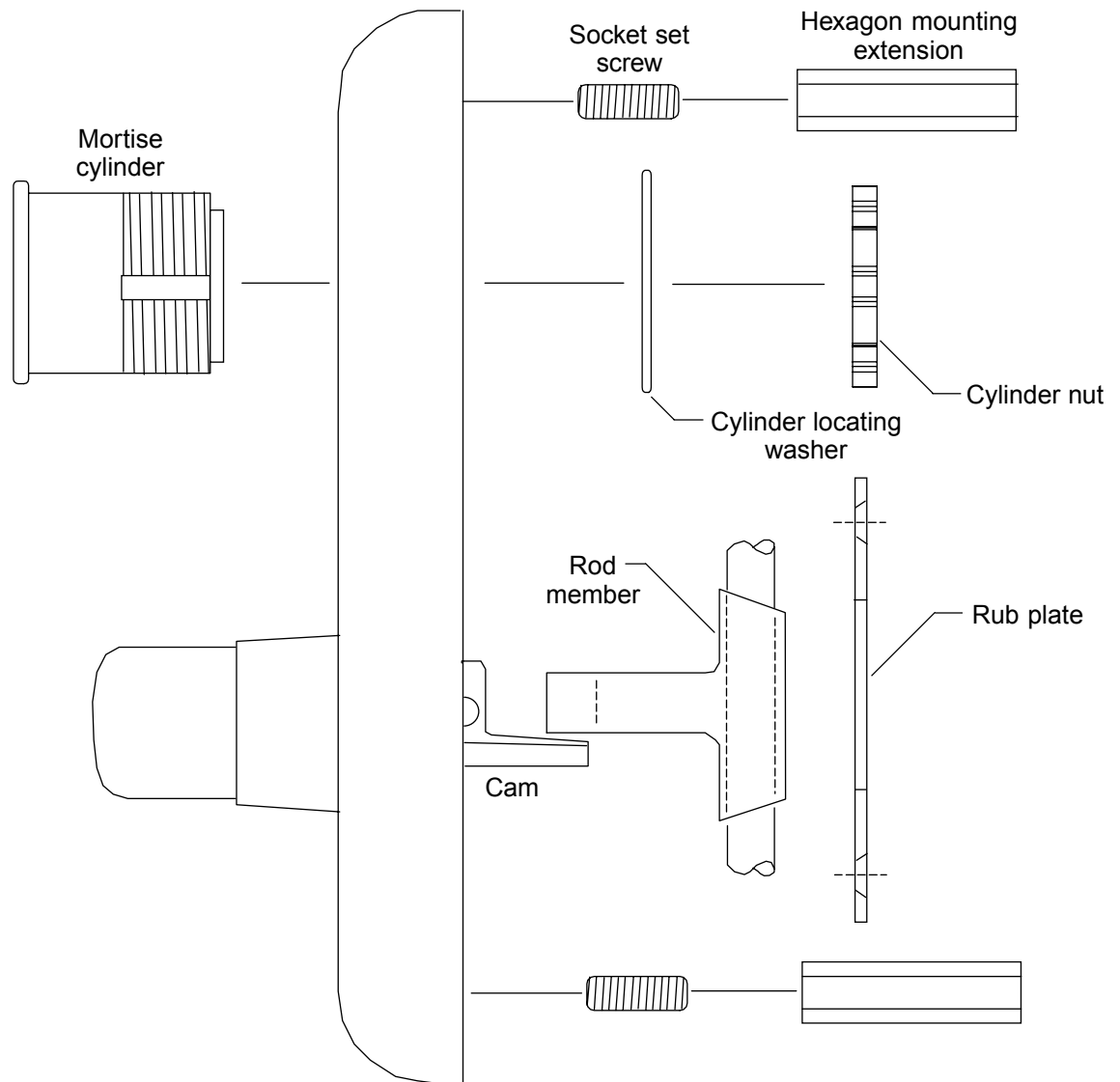


Figure 2



941118-00

Control for Metal Door Applications

374-T & 374-T-BE

VON DUPRIN®

Installation Instructions

1. Prepare door for exit device. See exit device instructions for holes and backset.
2. Transfer center line from inside (exit device side) of door to outside (control side) of door. Use extra care if edge of door is beveled. Be sure center line is parallel to edge of door.
3. Locate and prepare all holes as indicated in diagrams on other side.
4. Install exit device.
5. Make sure control cam is in position shown in Figure 1.
6. Install cylinder, if used, in control (Figure 2).
7. Make sure control cylinder plate is correct for desired function (NL or TL; Figure 3).
8. Disconnect top vertical rod.
9. Apply control and rub plate to door and secure with screws (Figure 4).
10. Place rod member on top vertical rod so rod member finger faces door and curved side of rod member finger faces down (Figure 5).
11. Insert rod member finger into slot in door. Reconnect top vertical rod.
12. With top latch bolt extended, slide rod member up rod so rod member finger touches control cam.
13. Tighten set screws in rod member with 1/8" hex wrench.
14. Test key, control, and exit device action.

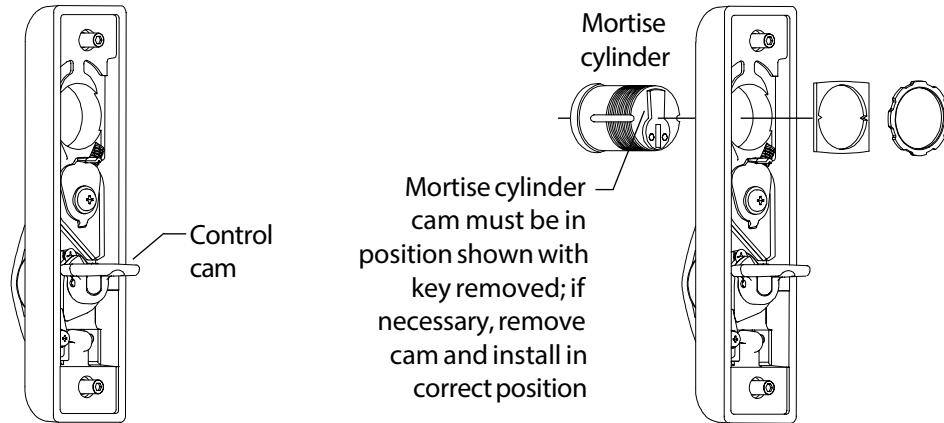


Figure 1. Control cam position.

Figure 2. Cylinder installation.

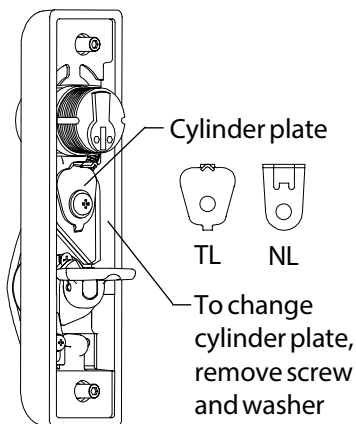


Figure 3. Cylinder plate.

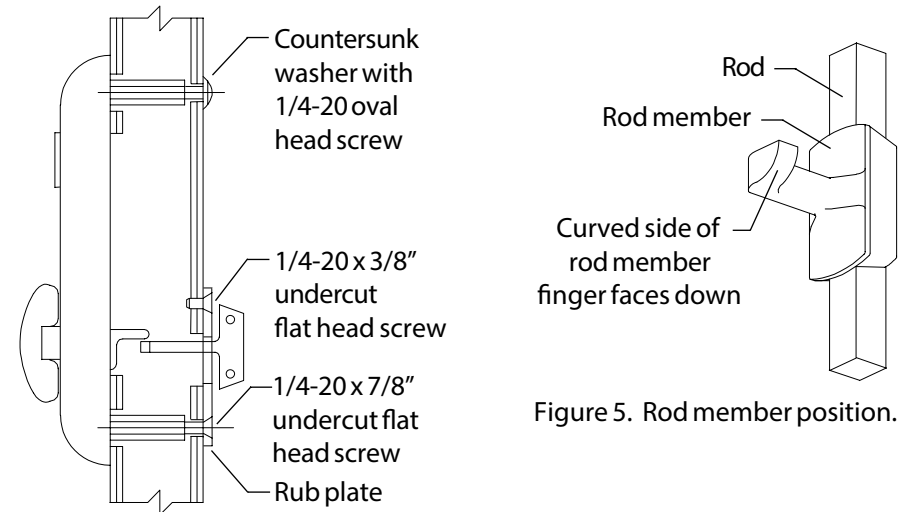


Figure 4. Control and rub plate application.

Figure 5. Rod member position.

Surface Vertical Rod Device Application Schedule	
2227	3327/3527
2227-F	3327A/3527A
9827/9927	3327A-F/3527A-F
9827-F/9927-F	

Customer Service

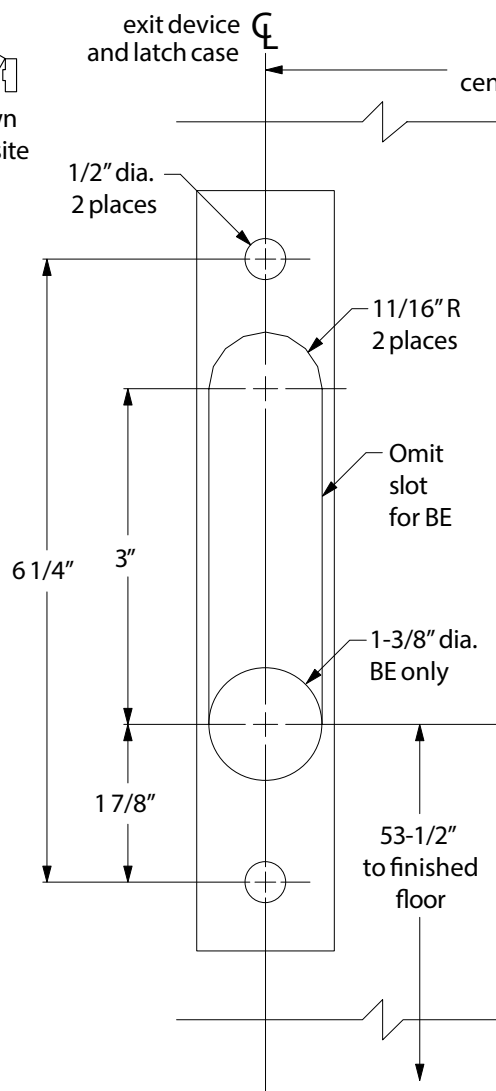
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Outside
Inside
LHR shown
RHR opposite



Center line exit device and latch case corresponds to center line exit device and latch case on exit device instructions

thumbturn

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

