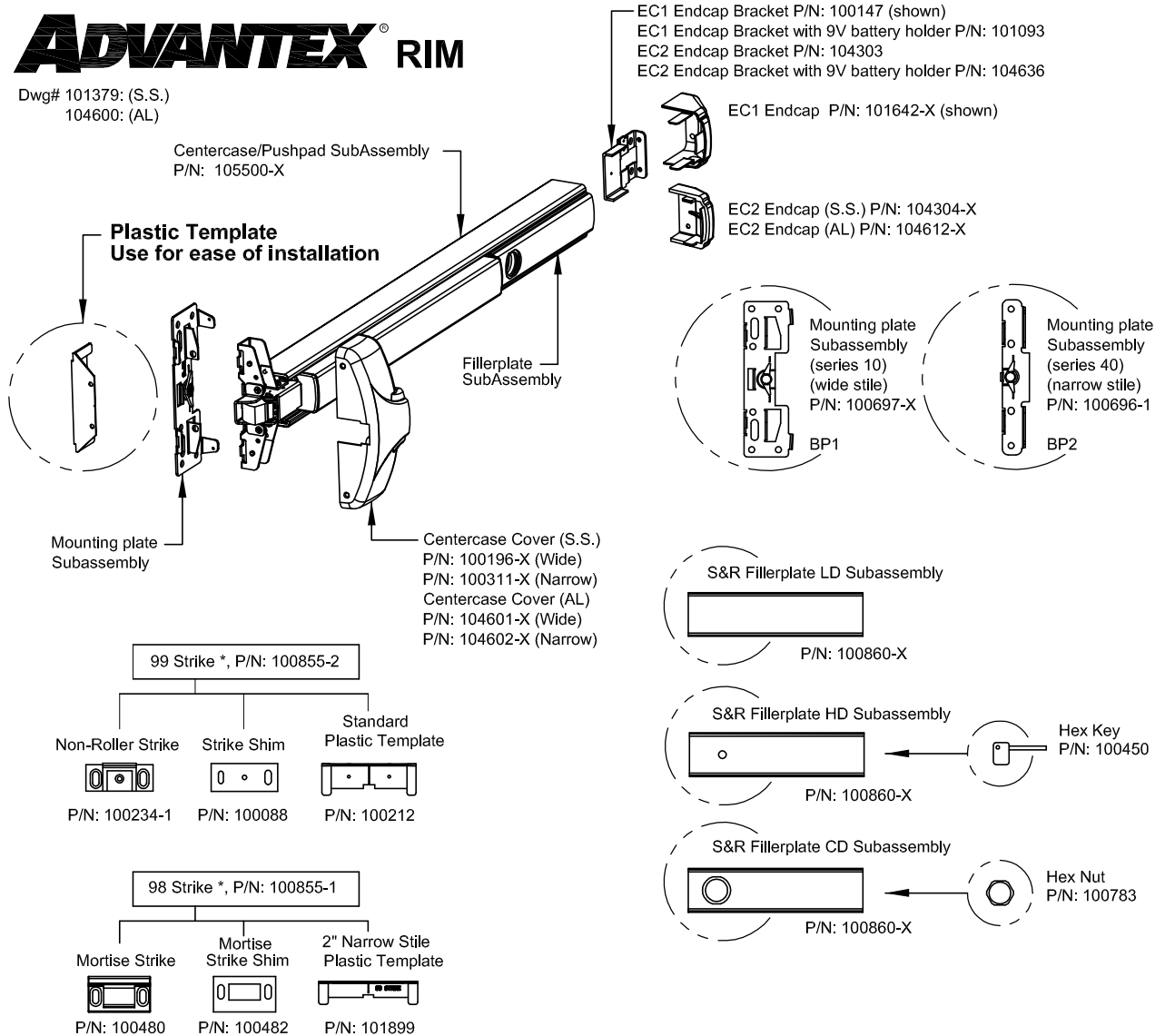


Detex Corporation, 302 Detex Drive, New Braunfels, Texas 78130-3045  
 (830)629-2900 / 1-800-729-3839 / Fax (830)620-6711  
 E-MAIL: detex@detex.com INTERNET: www.detex.com

## INSTALLATION INSTRUCTIONS FOR DETEX ADVANTEX<sup>®</sup> RIM 10/40 SERIES, F10/F40 SERIES, "H" MODELS (HURRICANE) & "W" MODELS (WEATHERIZED)

### ADVANTEX<sup>®</sup> RIM

Dwg# 101379: (S.S.)  
 104600: (AL)



**U.S. PATENT NUMBERS:**

6009732  
 6205825B1  
 6532777B2

**INTERNATIONAL PATENT NUMBER:**

PCT6009732

Owner's Copy

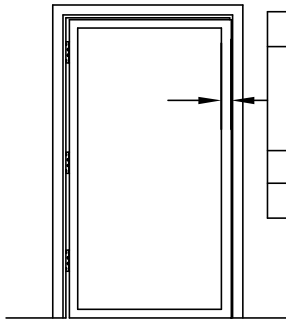
**See  
 Optional Accessories  
 For:**

- Glass Bead Kit
- Sex Nuts
- Tamper Kit
- Double Door Strike Kit
- Key Stop Kit

**\* Note: Parts listed above will vary according to product configuration. Mortise cylinder available as an option. Standard Yale type cam required. See Mortise cylinder installation page.**

Device Mounting kit:  
 P/N: 101438-X (S.S.)  
 P/N: 105723-X (AL)

# !!!CHECK BEFORE STARTING!!!

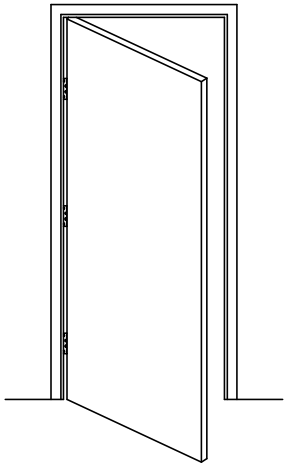
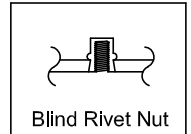
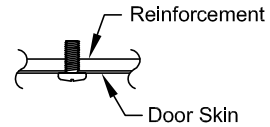


Wide Stile (Surface Strike) 99
Minimum door stile 4-1/2" (114 mm)
Template drawings provide door and frame structural and dimensional specifications for door and frame preparation.
Narrow Stile 98
Minimum door stile 2" (51mm)

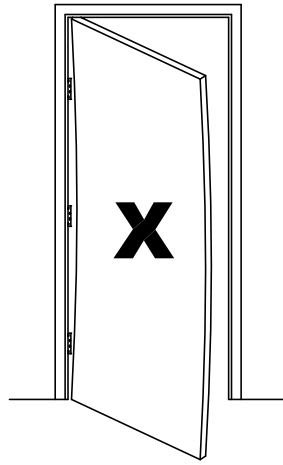
Doors and frames with walls having a structural thickness (metal skin plus reinforcement, or solid wood) to engage less than (3) full screw threads, are considered unreinforced for hardware.

Unreinforced Doors: Use Sex Nuts and Bolts  
 Unreinforced Frames: Use Blind Rivet Nuts (see sketch)  
 Fasteners for unreinforced openings are not supplied by Detex.

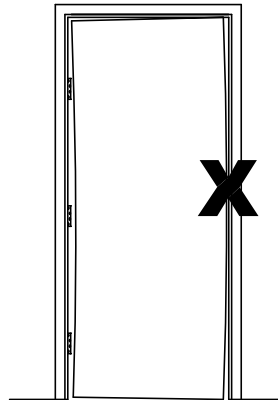
Reinforced door or frame engages at least (3) screw threads.



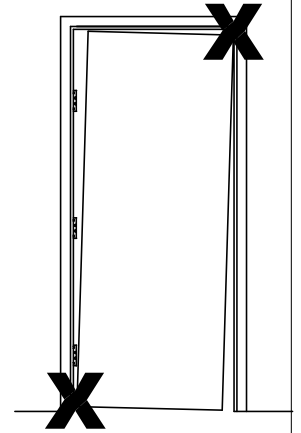
Door Must Swing Freely



Door Must Not be Warped



Door Must Not Bind



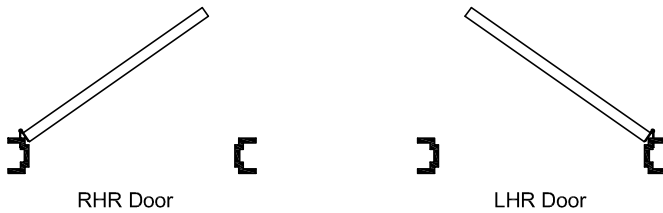
Door Must Not Sag

NOTE: 750mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 36" DEVICE

1000mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 48" DEVICE

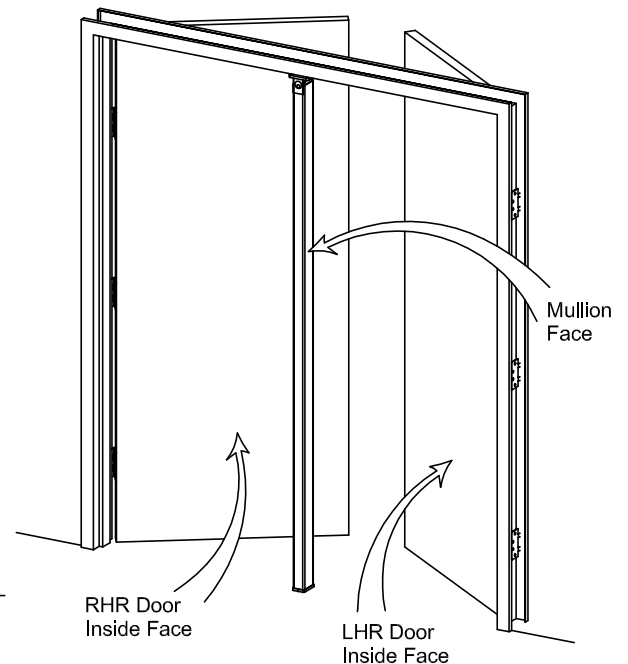
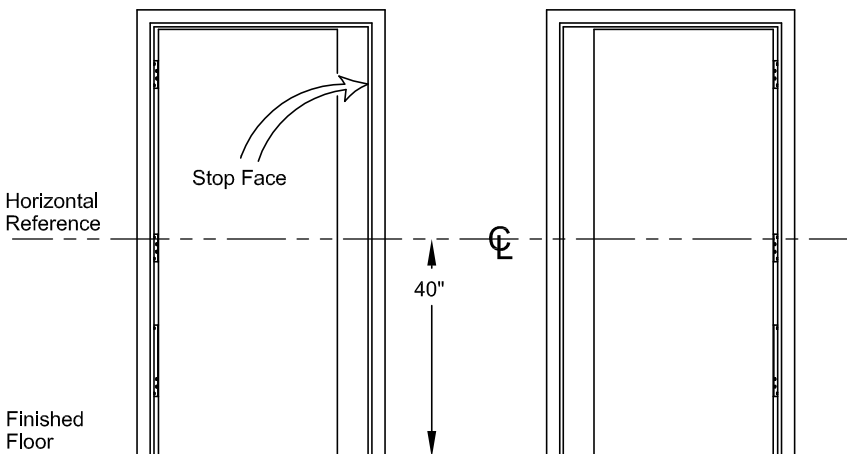
THE SAFETY FEATURES OF THIS PRODUCT ARE ESSENTIAL TO IT'S COMPLIANCE WITH EN 1125.

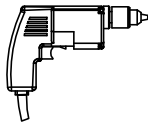




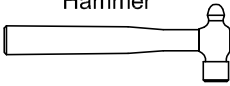

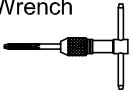

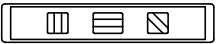
NO MODIFICATION OF ANY KIND, OTHER THAN THOSE DESCRIBED IN THESE INSTRUCTIONS ARE PERMITTED.



RHR Door

LHR Door

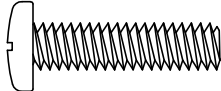


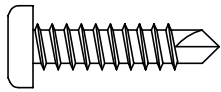
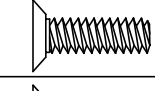
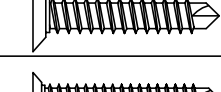
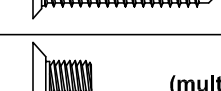



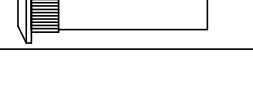



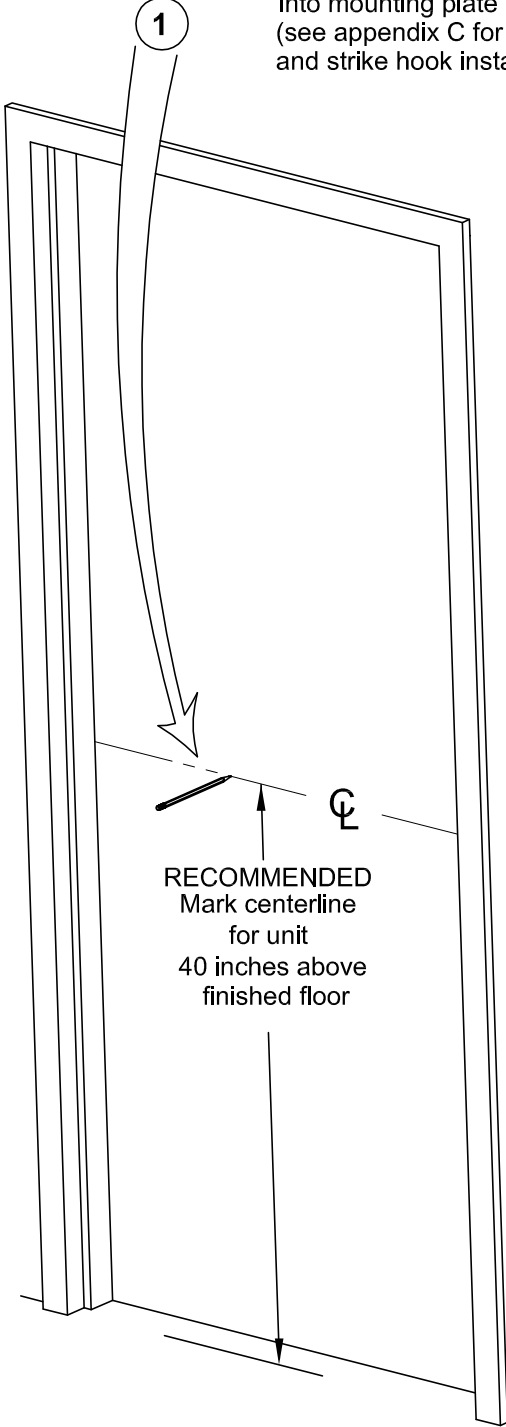
Tools Required				
Power Drill 	Safety Glasses 	Tape Measure 	Pencil 	Center Punch 
Hammer 	Screw Drivers - Phillips, Small Flat 	Tap Wrench 	Pliers 	Level 
Chopsaw preferred				

### Fastener Table

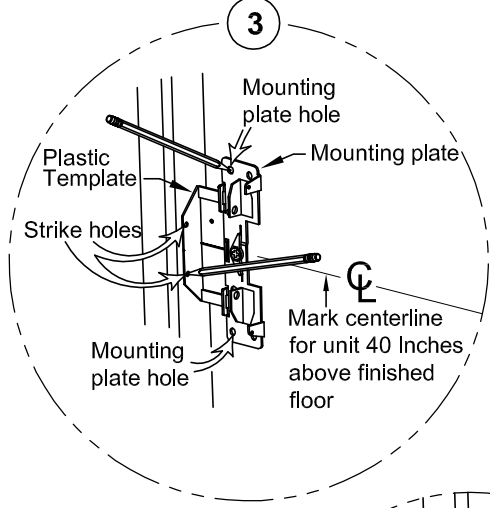
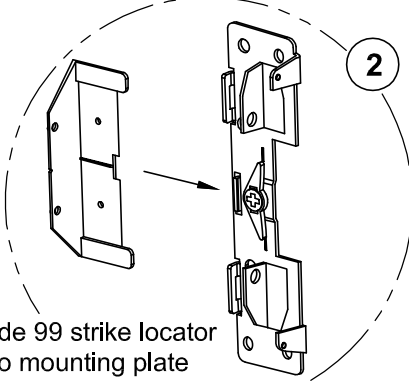
S.S. Device hardware kit: p/n 101438-X  
 Aluminum Device hardware kit: p/n 105723-X  
 98 Strike kit: p/n 100855-1  
 99 Strike kit: p/n 100855-2  
 (Look for letter designation throughout instruction when screws are called for)

### Device Mounting Hardware

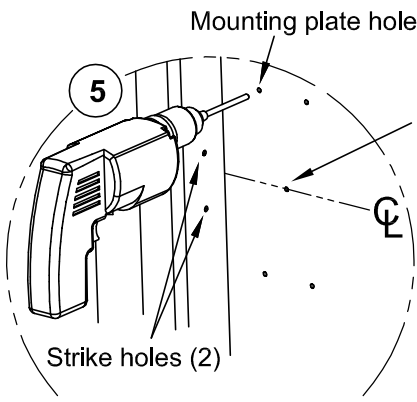
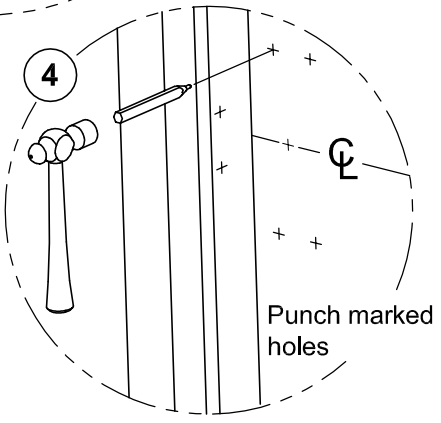
	screw style & size	description	used on
(A)	  lockwasher used with screws A	1/4-20 x 1" PPHMS	Strike, Mounting plate & Endcap mounting bracket (metal / aluminum doors)
(B)		1/4-20 x 1/4" PPHMS	Centercase to backplate mounting holes
(C)		#14 x 1" PPH self-drilling	Strike, Mounting plate & Endcap mounting bracket (wood doors) (alternate for metal / aluminum doors)
(D)		10-24 x 5/8" PFHUMS	99 strike center mount hole (metal door)
(E)		#10 x 1" self-cutting PFHU	99 strike center mount hole (wood door)
(F)		#6 x 1" self-cutting PFHU	98 Strike Shield Mounting Holes
(G)	 (multiple finishes included)	10-32 x 5/16" PFHUMS	Endcap to endcap bracket
(H)	 (multiple finishes included)	6-32 x 3/8" PFHUMS	Centercase cover to backplate
(I)		6-32 x 5/8" PFHUMS	98 Strike Shield Mounting Holes
(J)	 (optional)	#1/4-20 Sexnut	Recommended on Fire Rated Wood and Unreinforced Hollow Metal Doors used on mounting plate and endcap mounting holes
(K)	 (optional)	#10-32 Sexnut	Recommended on Fire Rated Wood and Unreinforced Hollow Metal Doors used on strike hook mounting holes



Slide 99 strike locator into mounting plate (see appendix C for 98 strike and strike hook installation)



If outside trim is used refer to trim instructions

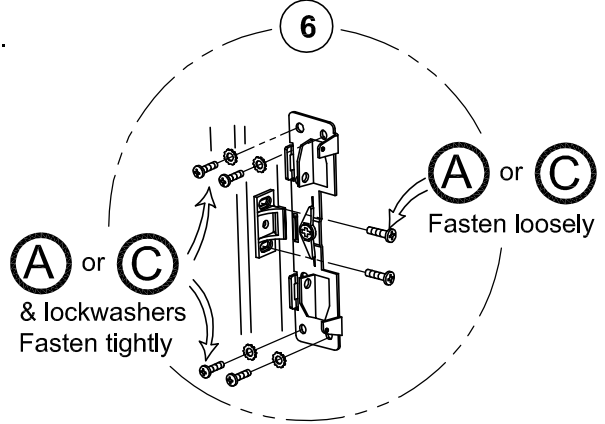


Mounting plate holes (4) & Strike holes (2)

For **(A)** screws drill #7 holes.

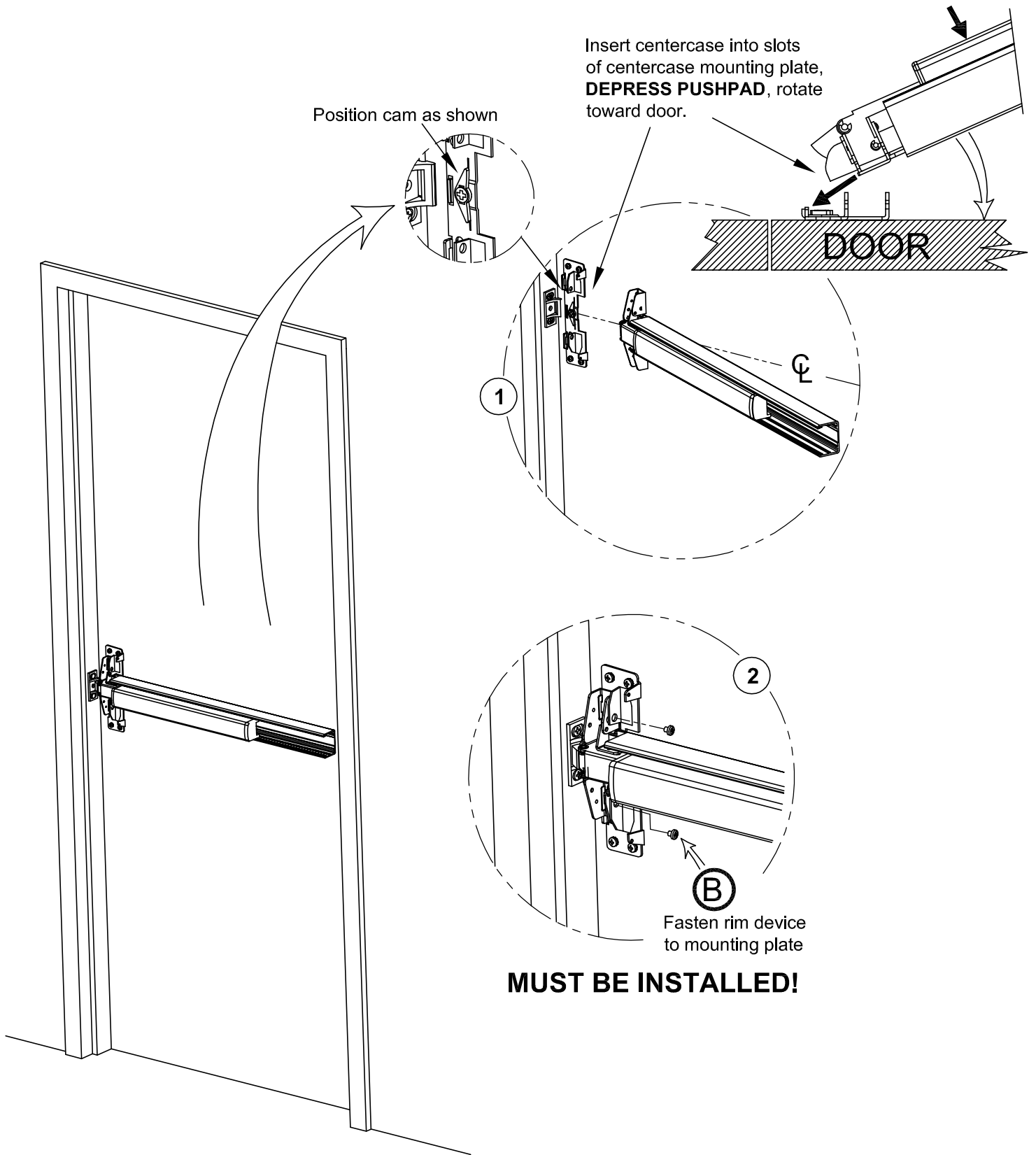
For **(C)** screws no pilot holes needed.

For **(J)** drill 3/8" holes.



Position cam as shown

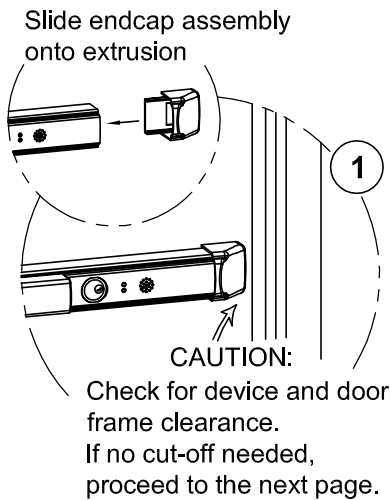
Insert centercase into slots of centercase mounting plate, **DEPRESS PUSHPAD**, rotate toward door.



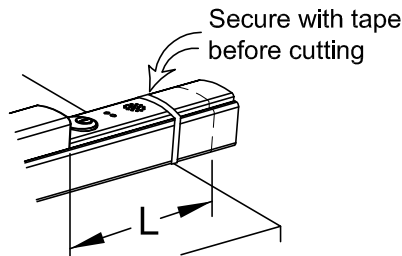
**(B)**  
Fasten rim device to mounting plate

**MUST BE INSTALLED!**

# CHECKING FOR DEVICE CLEARANCE (Cut-Off procedure if required)



2 Cut fillerplate and extrusion STRAIGHT & SQUARE to desired length and deburr



Minimum Fillerplate Length	
Type	Length (L)
LD	2-1/2"
HD/CD	3"

For aluminum Advantex finish cutdown applications:

After cutting, the baseplate extrusion can be reversed to place the cut end inside the head cover. To do so, loosen the setscrew inside the aluminum baseplate extrusion and slide extrusion out, reverse, & slide back in. Tighten setscrew.

## MORTISE CYLINDER INSTALLATION

CD (Cylinder Dogging)  
Cylinder Installation

Cylinder nut socket  
p/n 103779  
(sold separately)

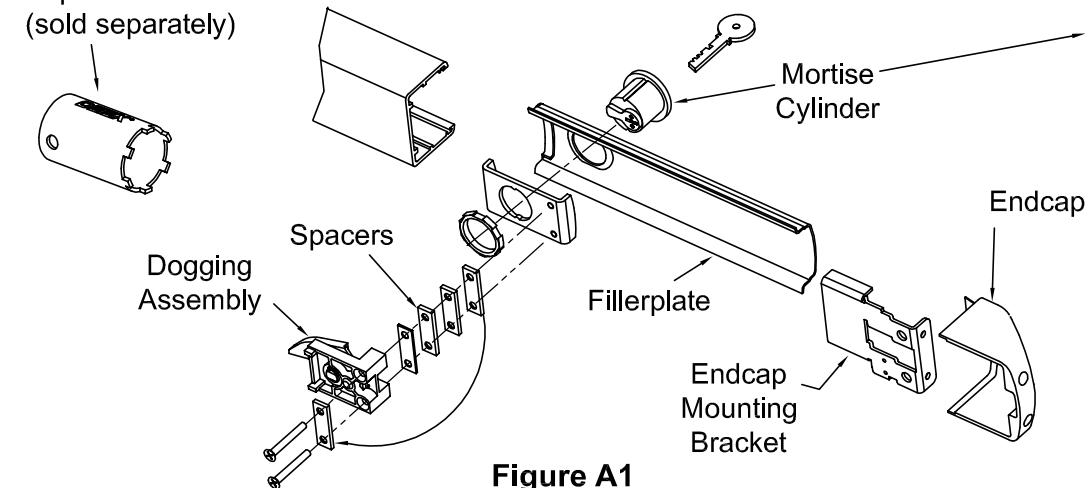


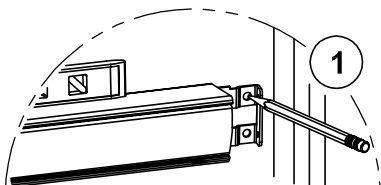
Figure A1

### Follow steps "a" through "g" for CD installations

- Remove endcap and endcap mounting bracket.
- Remove fillerplate.
- Remove and discard shipping insert and nut. Loosen (2) screws from dogging assembly.
- Install mortise cylinder (sold separately) with large hex nut provided.
- Trial fit dogging assembly. If cylinder is too short, remove spacers as necessary and reattach them under the (2) screw heads (See Figure A1). Fasten the (2) screws to the rest of the assembly.

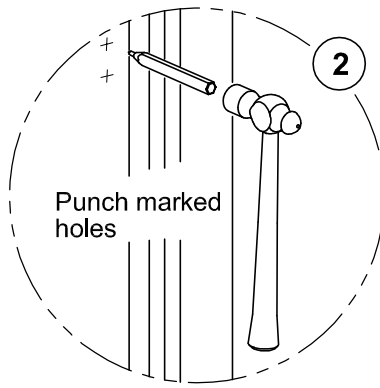
**NOTE: The key should easily turn in both directions.**

- Rotate key counterclockwise
- Assembly complete. Continue with Panic Hardware instruction.

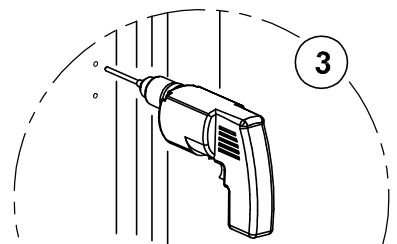


Slide endcap bracket into extrusion, level pushpad assembly, and mark (2) holes

**Note:** Endcap bracket must bottom-out on extrusion before marking holes.



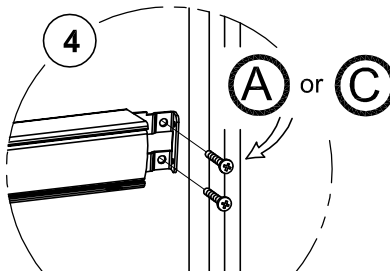
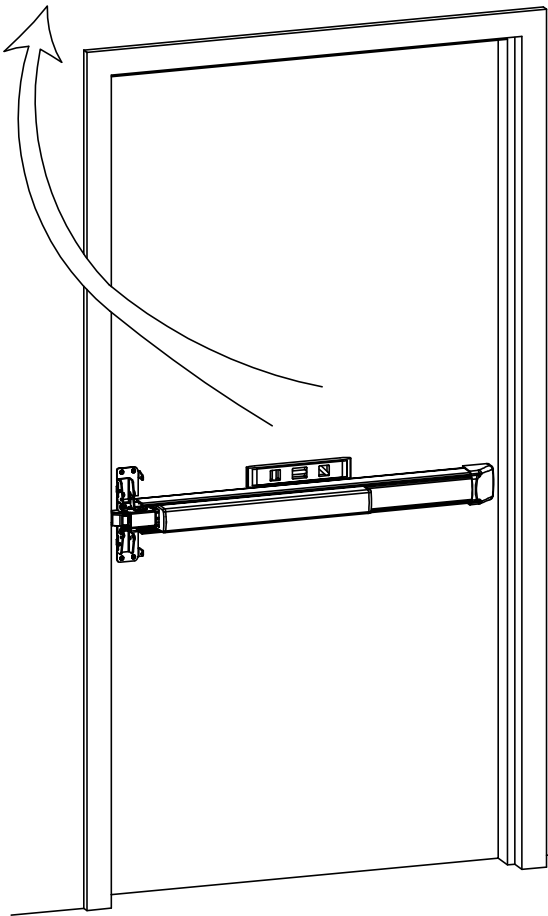
Punch marked holes



For **A** screws drill #7 holes.

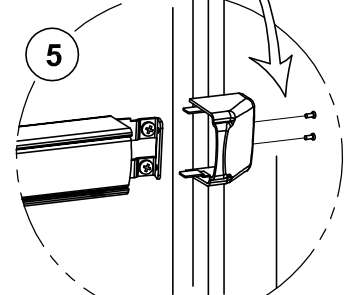
For **C** screws no pilot holes needed.

For **J** drill 3/8" holes.



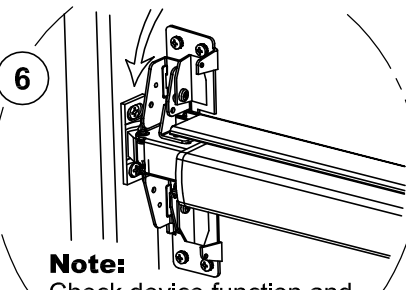
If device has electrical features, refer to those instructions now.

**IMPORTANT:** Install **G** screws to attach Endcap



Slide and mount endcap to endcap bracket

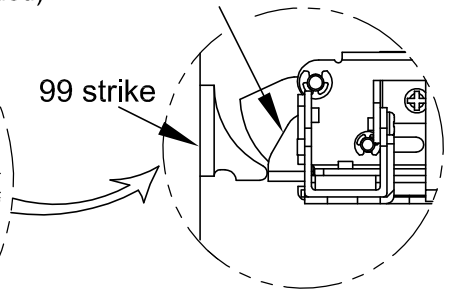
Align the 99 strike with the latchbolt.  
Firmly tighten screws (shim if needed)



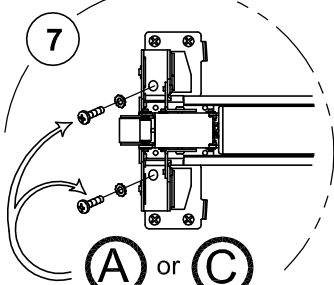
**Note:** Check device function and strike engagement BEFORE marking and drilling for center screw.

Deadlatch

99 strike



**MANDATORY FOR HURRICANE MODELS**



**A** or **C**

& lockwashers  
Fasten rim device to mounting plate and door

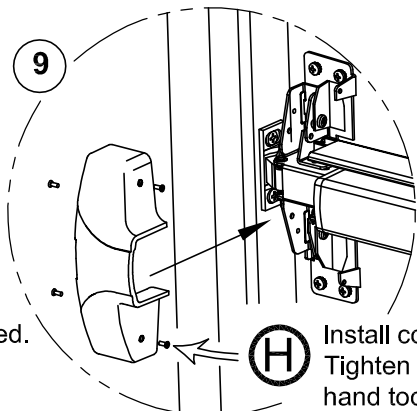


Mark and drill center hole.

For **D** screws drill 9/64" holes.

For **E** screws no pilot holes needed.

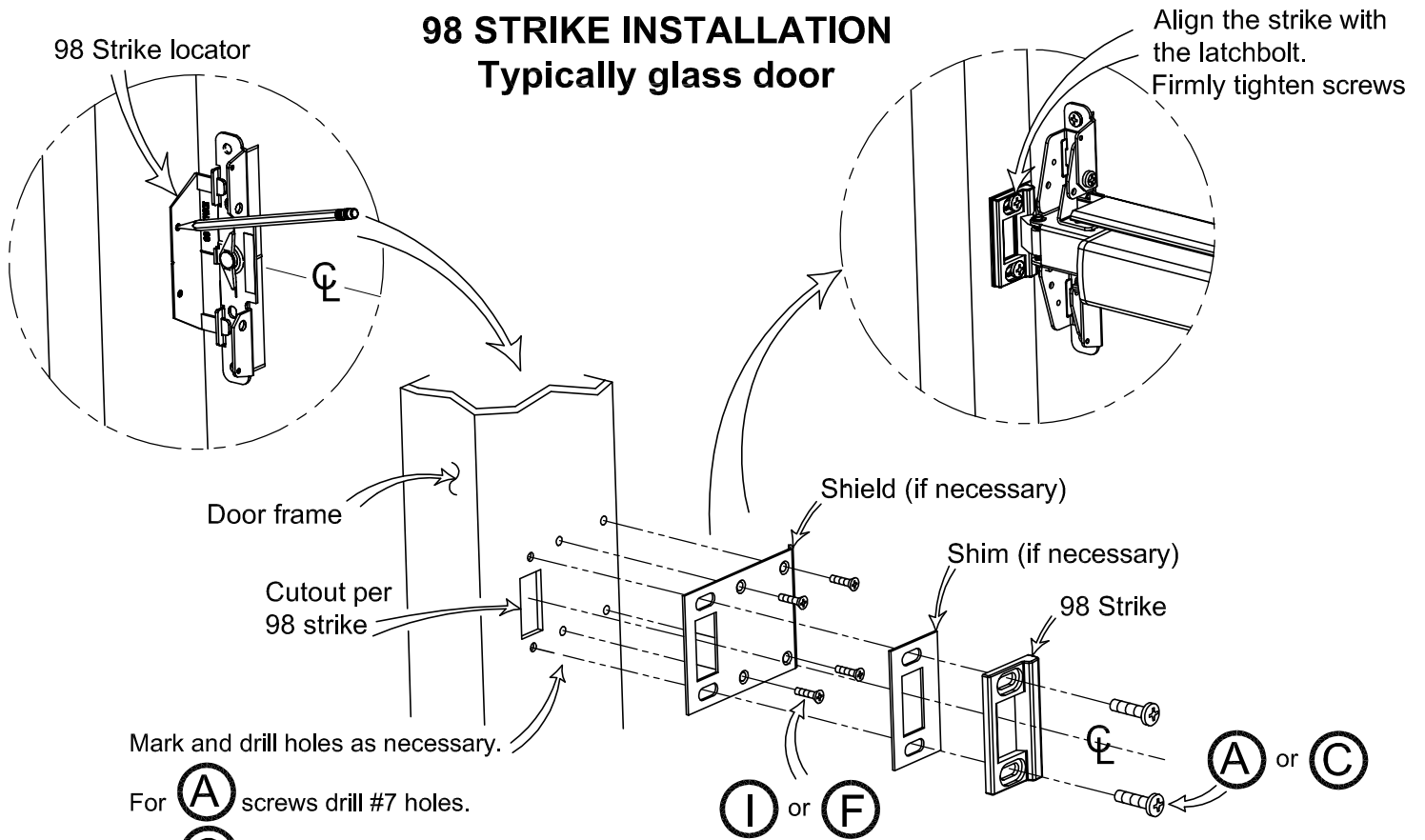
Secure the 99 strike.



**H**

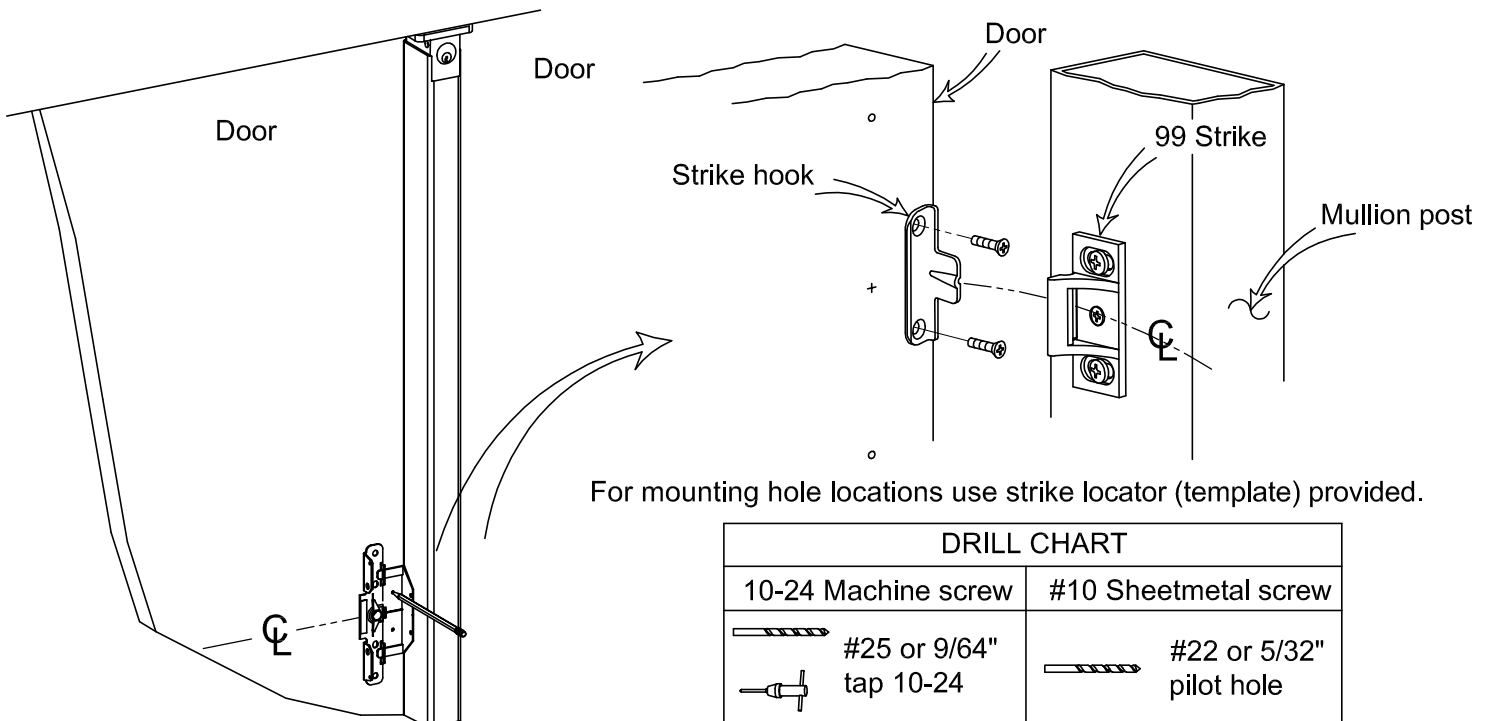
Install cover.  
Tighten with hand tools only.

## 98 STRIKE INSTALLATION Typically glass door



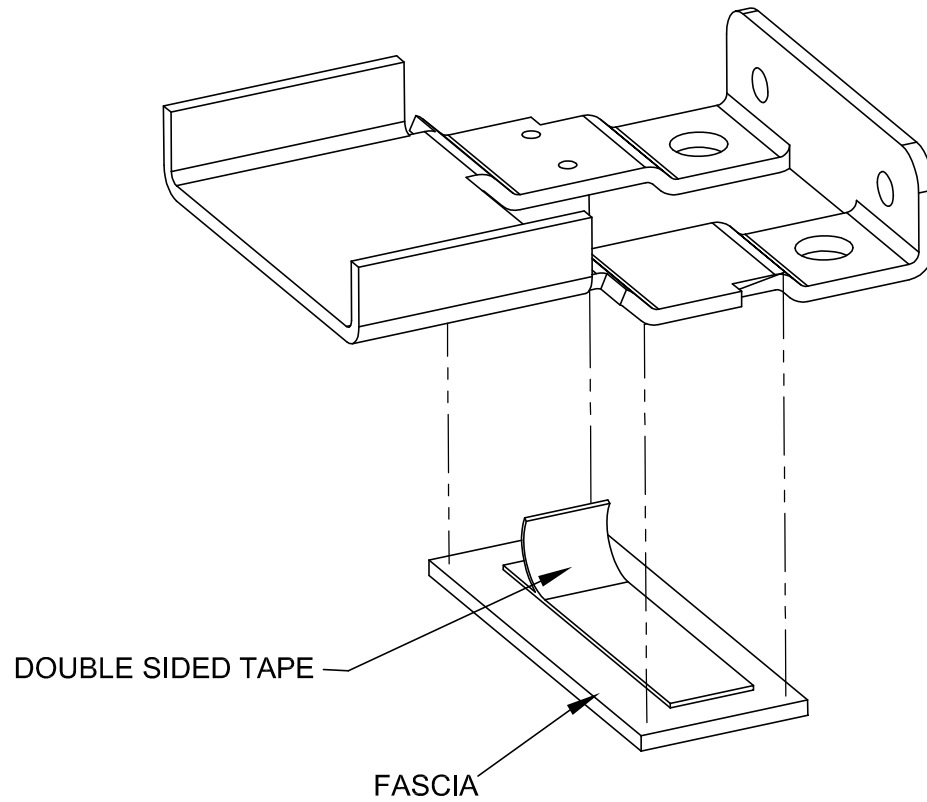
## STRIKE HOOK INSTALLATION

(Caution: This installation is required on fire rated door openings with removable mullion.)





**Narrow Stile Endcap Mounting Plate Fascia  
(For use on Glass Doors)  
(not used with EC2 endcap)**



**Figure B**

**Figure 2**  
EA wiring detail

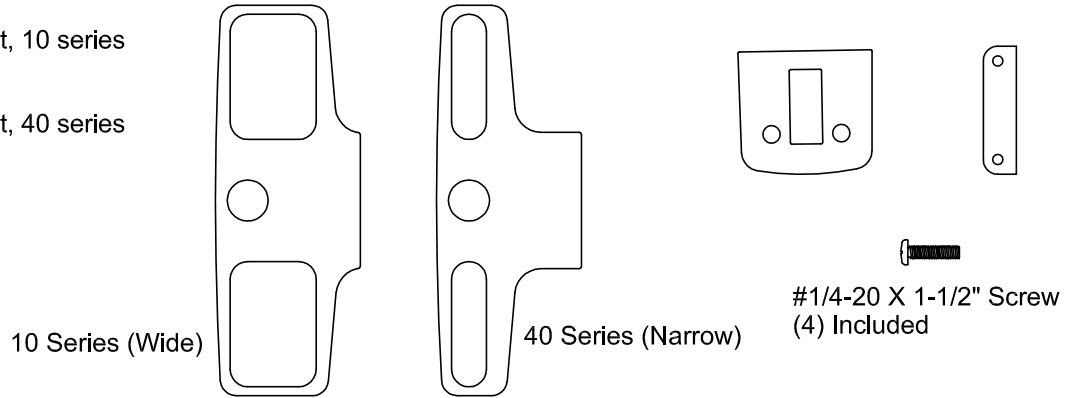
- a. Remove the endcap mounting bracket.
- b. Attach the fascia with the adhesive tape as shown in Figure B.
- c. Re-attach the endcap mounting bracket.

## Optional Accessories

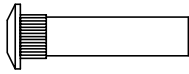
### Glass Bead Kit

Catalog No: GB1 - Glass Bead Kit, 10 series  
p/n: 101643

Catalog No: GB2 - Glass Bead Kit, 40 series  
p/n: 101644



### Sex Nut



The #10-32 kit is available in (4) finishes:

- Catalog No: SN2 Brushed Brass BHMA 606 Finish
- Catalog No: SN2 Oil Rubbed Bronze BHMA 613 Finish
- Catalog No: SN2 Brushed Chrome BHMA 626 Finish
- Catalog No: SN2 Stainless Steel BHMA 630 Finish

p/n: 101617-X

The #1/4-20 kit is available in (4) finishes:

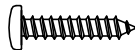
- Catalog No: SN1 Brushed Brass BHMA 606 Finish
- Catalog No: SN1 Oil Rubbed Bronze BHMA 613 Finish
- Catalog No: SN1 Brushed Chrome BHMA 626 Finish
- Catalog No: SN1 Stainless Steel BHMA 630 Finish

p/n: 101616-X

### Tamper Kit

(Security Kit)

Catalog No: SSK3  
p/n: 101233



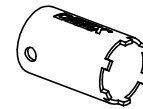
Security Screws



Security Pin TORX® Bits provided

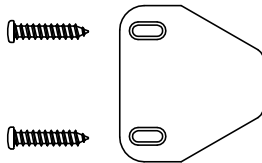
### Cylinder nut socket

p/n: 103779



### Double Door Strike Kit

Catalog No: 94 Security screws  
p/n: 102212-1



The following Models in the series were evaluated by UL: Controlled Exit Panic Devices; Model 10 and 40. These devices may be suffixed with 01, 02, 03, 08, 09, or 14 followed by C, CN, D, DN, DT, DNT, DU, DNU, P, PN, W or WS, followed by BP1, BP2, BP3, BP5, BP6, BP7 or BP8 followed by 605, 606, 611, 612, 613, 625, 626, 628, 629, 630, 693, 695 or 711 followed by the RHR or LHR, followed by EA, which may be followed by LD or CD, followed by 605, 606, 611, 612, 613, 625, 626, 628, 629, 630, 693, 695 or 711 followed by 98 or 99, followed by 36 or 48.