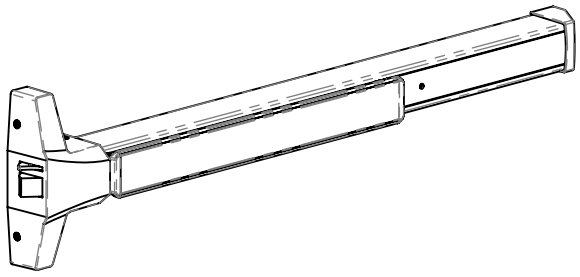
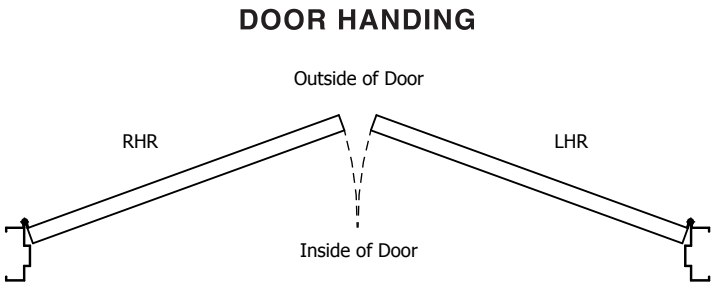
4600 Series Rim Narrow Stile Exit Device
Installation Instructions
I-ED01162

DEVICES COVERED IN THIS DOCUMENT:

- 4600 Series Rim Panic Narrow Stile Exit Device
- 4600 Series Rim Fire Narrow Stile Exit Device

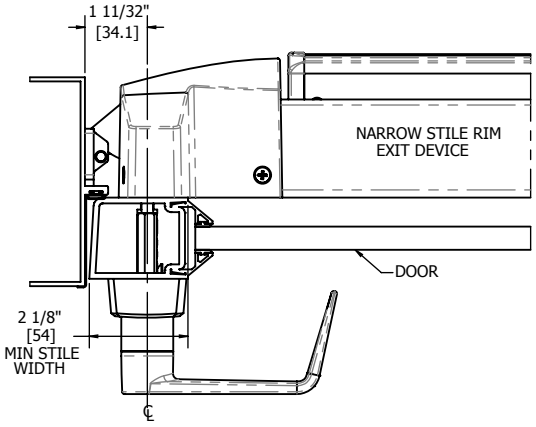
OVERVIEW

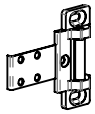




APPLICATIONS

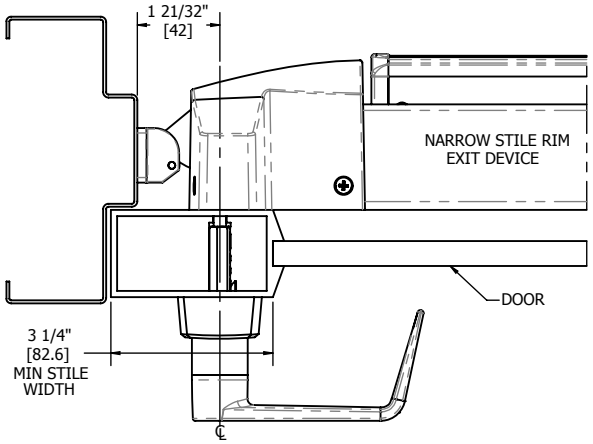
4950 BLADE STOP STRIKE SINGLE DOOR





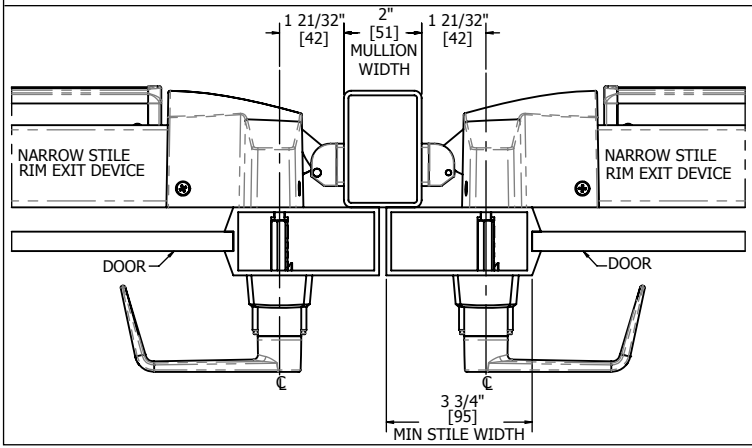
4950 Blade Stop Strike Application
Single Door Panic Exit Hardware

4920 STANDARD STRIKE SINGLE DOOR



4920 Standard Strike Application
Single or Double Door Panic Exit Hardware
(4920F Strike Available for Fire Rated Applications)

4920 STANDARD STRIKE AND MULLION



4920 Standard Strike Application
Single or Double Door Panic Exit Hardware
(4912 strike available for fire rated applications)

4600 Series Rim Narrow Stile Exit Device
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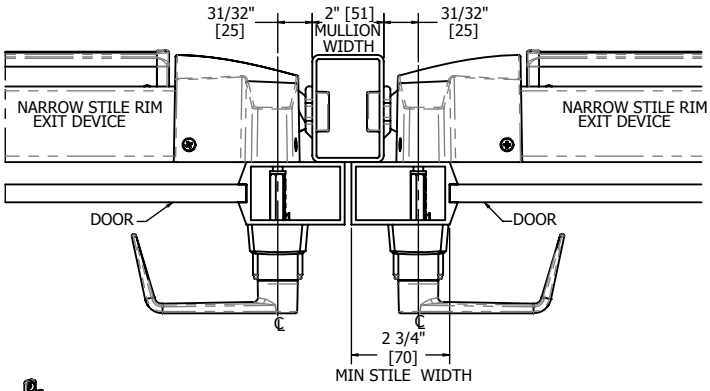
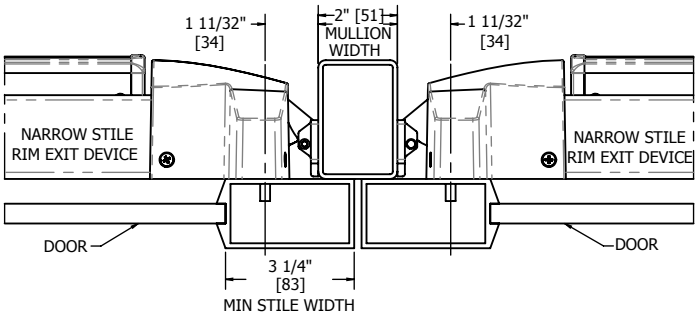
4952 SEMI-FLUSH STRIKE AND MULLION



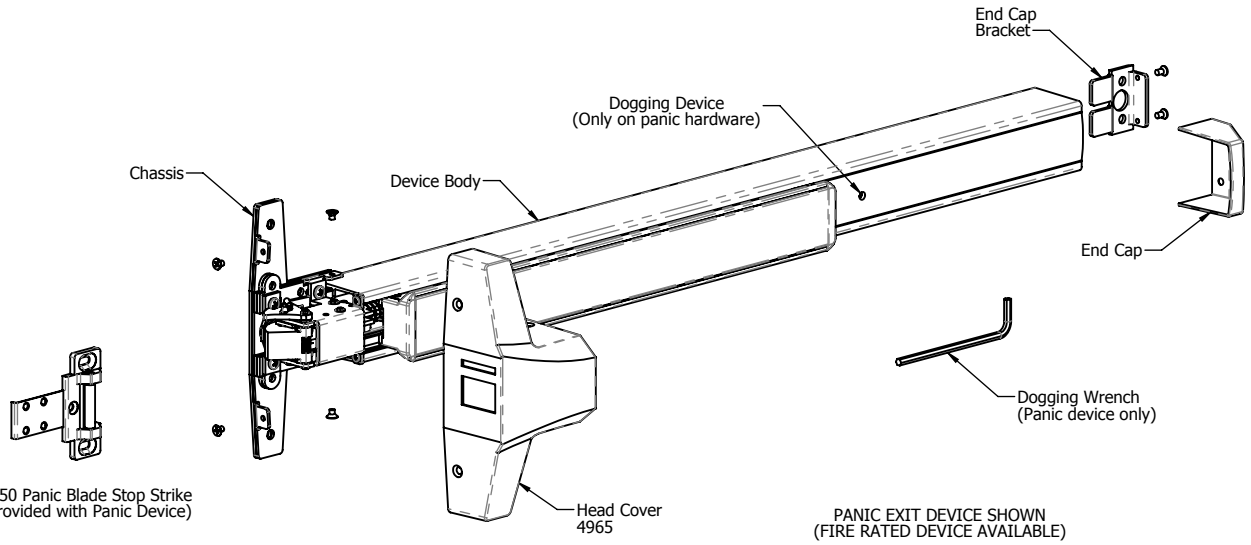
4952 Semi-Flush Strike Application
Single or Double Door Panic Exit Hardware

4950 BLADE STOP STRIKE AND MULLION



4950 Blade Stop Strike Application
Single or Double Door Panic Exit Hardware

COMPONENT PARTS



4950 Panic Blade Stop Strike
(Provided with Panic Device)

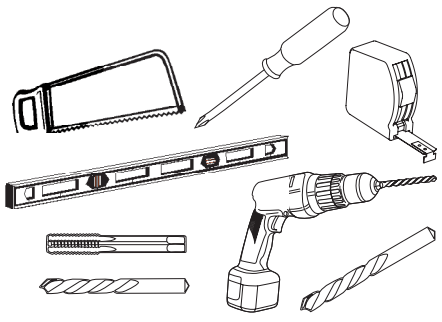
PANIC EXIT DEVICE SHOWN
(FIRE RATED DEVICE AVAILABLE)

4920 Panic Standard Frame Strike
(Purchased Separately)

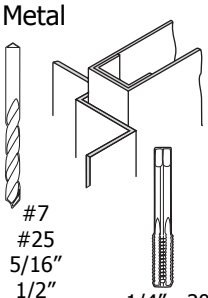
4920F Fire Rated Standard Frame Strike
(Provided with Fire Rated Device)

4952 Panic Semi-Flush Strike
(Purchased separately)

TOOLS REQUIRED



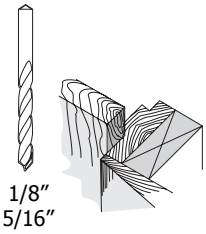
Metal



#7
#25
5/16″
1/2″
3/4″

1/4″ - 20
#10 - 24

Wood



1/8″
5/16″
1/2″
3/4″

Wood and Metal Screws

For wood doors, drill 1/8″ hole

Machine Screws

#7 drill, 1/4″ - 20 tap

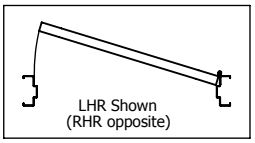
Sex Bolts

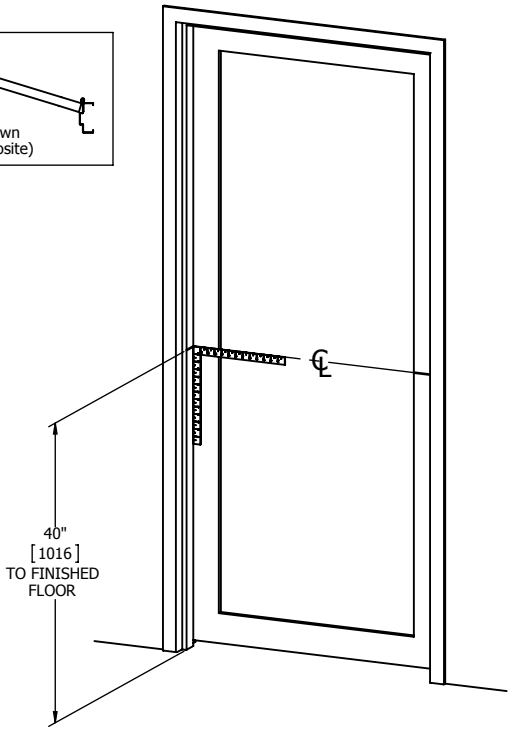
Drill 5/16″ thru from device side. Drill 3/8″ from other side (pull side).

Check building and fire codes to see if your application requires the use of sleeve nuts and bolts.

1. MARK DOOR

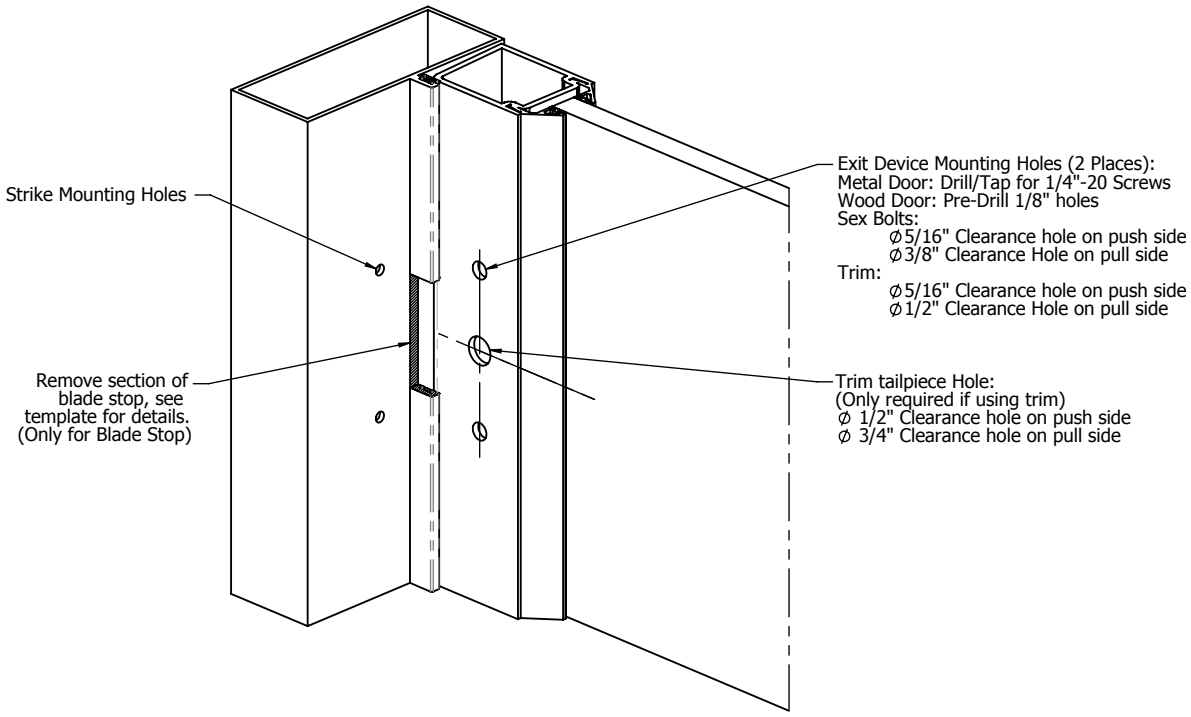
A. Measure and draw center line on door and frame, typically 40” from finished floor.
B. Fold and apply templates to door and frame.
C. Templates include:
- T-ED01191 - 4950 Blade Stop Strike Template
- T-ED01192 - 4920/4920F Standard Strike Template
- T-ED01193 - 4952 Semi-Flush Strike Template
- T-ED01221 - RIM Cylinder Only Template





2. DRILL MOUNTING HOLES

A. Mark, drill, and tap holes as shown on door and frame templates. Do not drill center hole on strike until after strike has been mounted and adjusted at the end of the installation.

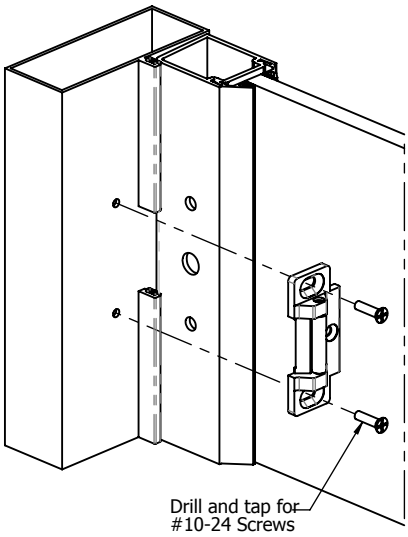


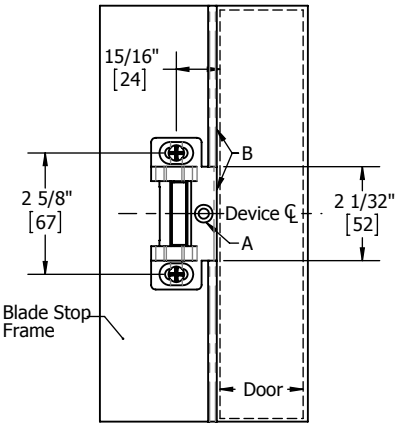
BLADE STOP FRAME & NARROW STILE DOOR SHOWN ABOVE

3. INSTALL STRIKE

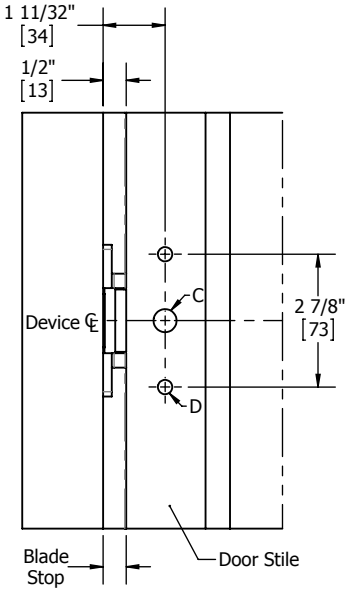
A. Install strike using the two outer mounting holes.

4950 Blade Stop Strike Install:





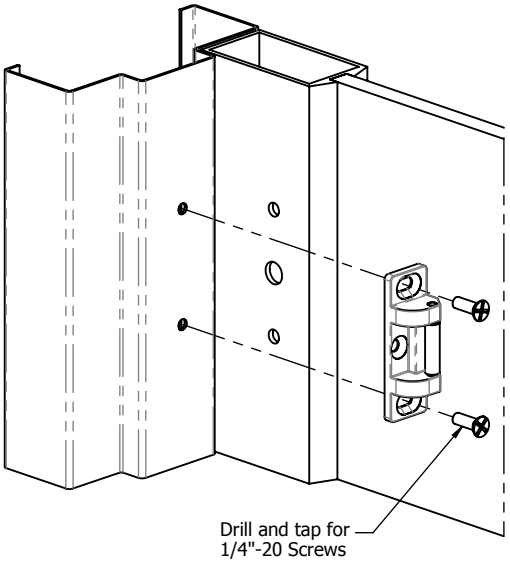
A. Do not drill center hole until final adjustment at the end of the installation.
B. Align front edge of strike with door side of stop.

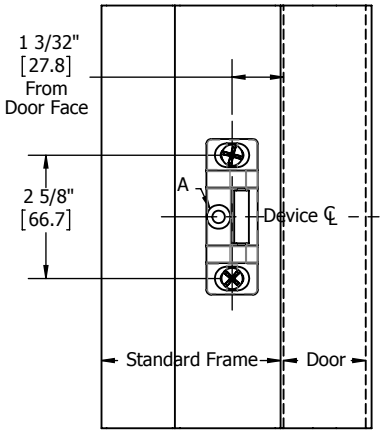


C: Trim Tailpiece clearance hole:
∅1/2" Push Side
∅3/4" Pull Side
(Only required if using trim)

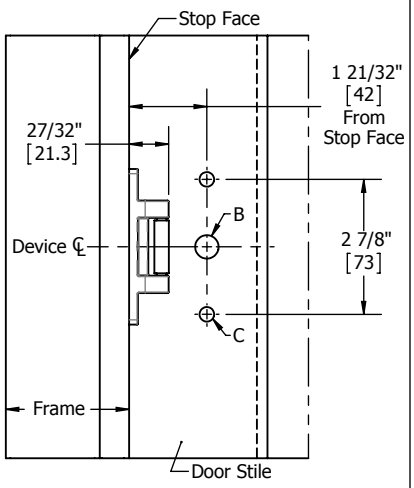
D: Device Mounting Holes (2 Places):
Metal Door: Drill/Tap for 1/4"-20 Screws.
Wood Door: Pre-Drill∅1/8" holes.
Sex Bolts: ∅5/16" Clearance hole on push side, ∅3/8" Clearance hole on pull side.

4920 Standard Strike Install:





A: Do not drill center hole until final adjustment at the end of the installation.

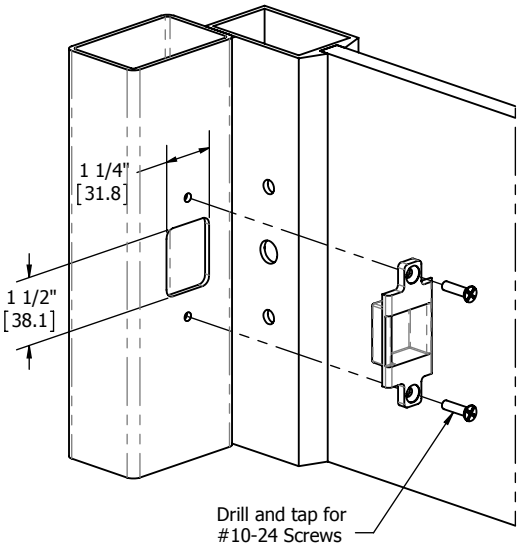


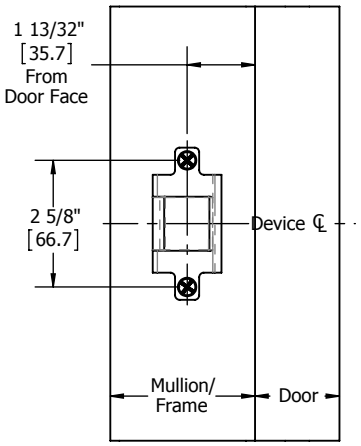
B: Trim Tailpiece clearance hole:
∅1/2" Push Side
∅3/4" Pull Side
(Only required if using trim)

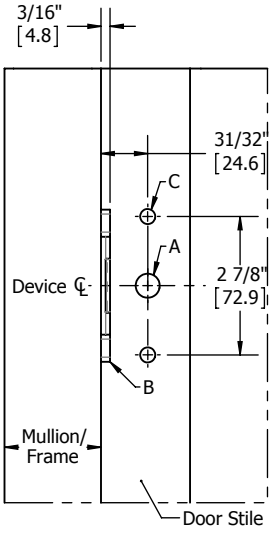
C: Device Mounting Holes (2 Places):
Metal Door: Drill/Tap for 1/4"-20 Screws
Wood Door: Pre-Drill∅1/8" holes
Sex Bolts: ∅5/16" Clearance hole on push side, ∅3/8" Clearance hole on pull side.

3. INSTALL STRIKE (CONTINUED)

4952 Semi-Flush Strike Install:





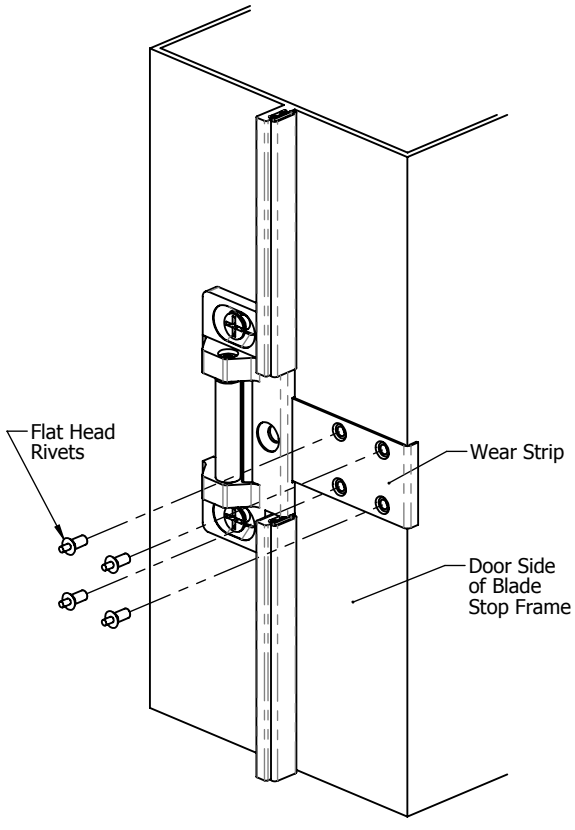


A: Trim Tailpiece clearance hole
∅1/2" Push Side
∅3/4" Pull Side
(Only required if using trim)
B: Semi-Flush Strike

C: Device Mounting Holes (2 Places):
Metal Door: Drill/Tap for 1/4"-20 Screws.
Wood Door: Pre-Drill ∅1/8" holes.
Sex Bolts: ∅5/16" Clearance holes on push side, ∅3/8" Clearance holes on pull side.

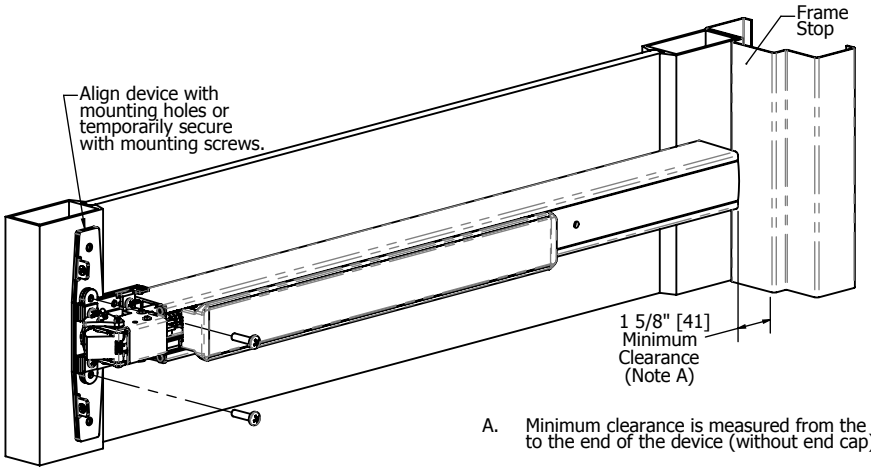
4. INSTALL 4950 WEAR STRIP (SKIP IF USING A DIFFERENT STRIKE)

A. Place wear strip on frame and center on strike.
B. Hold in place and mark all 4 hole locations.
C. Drill 1/8" dia. Holes in 4 places and install wear strip with flat head drive rivets (provided).

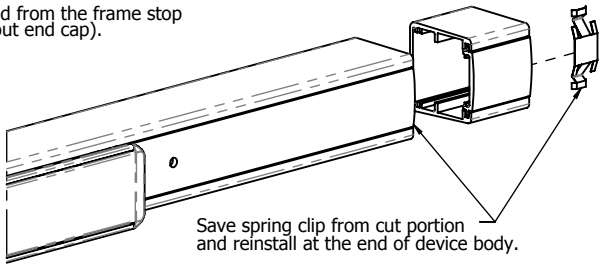


5. CUT EXIT DEVICE TO LENGTH

A. Remove head cover from exit device chassis.
B. Align device with mounting holes and measure to determine length to cut device. The minimum clearance between the frame stop and end of exit device (with end cap removed) is 1-5/8".
C. Cut device square with hack saw or metal cutting saw blade and deburr edges. Be sure to save the spring clip on the dogging plate cover for use on the device.

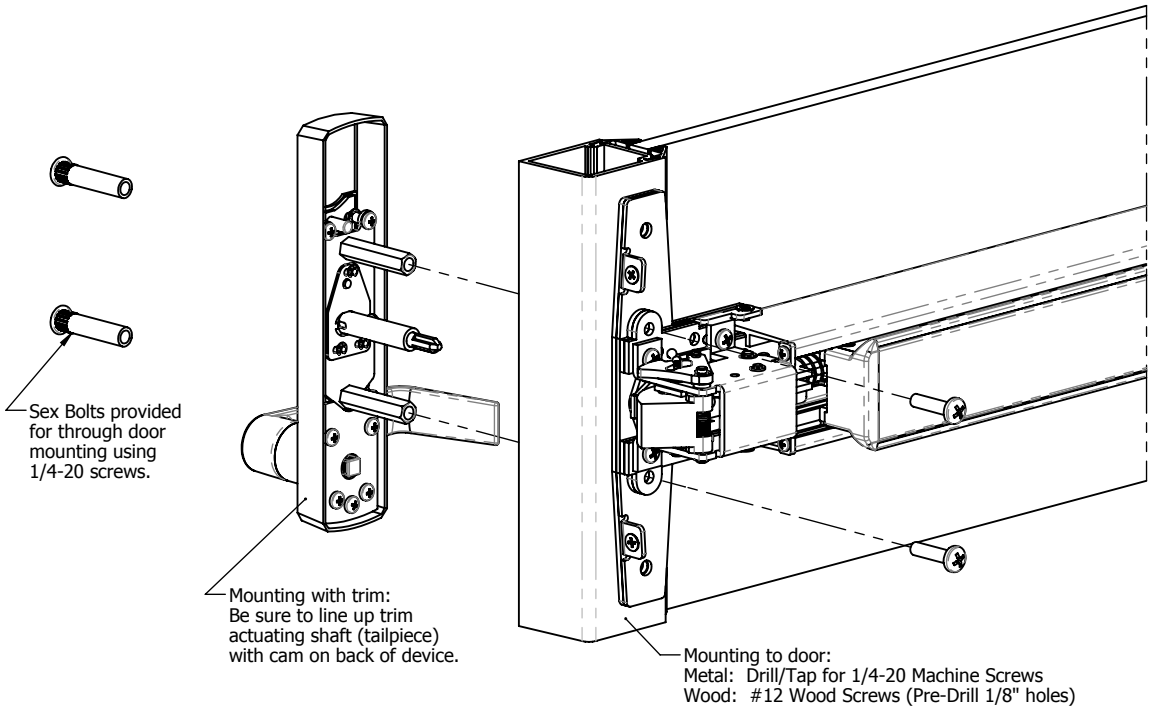


A. Minimum clearance is measured from the frame stop to the end of the device (without end cap).



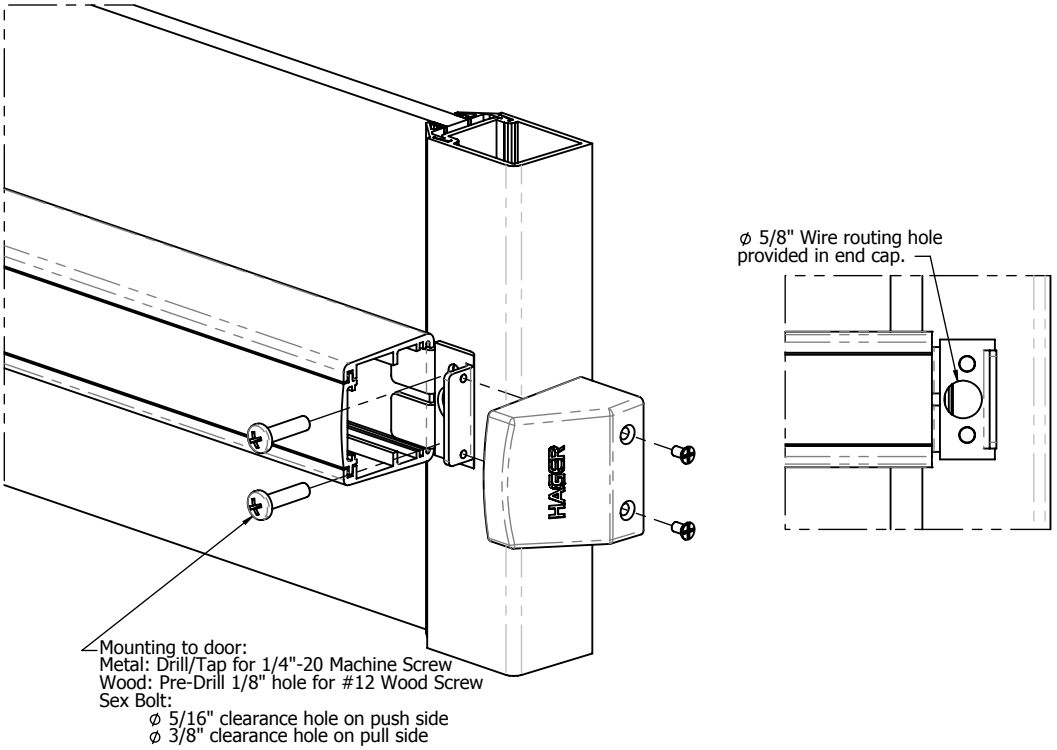
6. INSTALL DEVICE

A. Mount exit device using the provided screws. If using trim, be sure to line up trim actuating shaft (tailpiece) with cam located on back of exit device chassis.



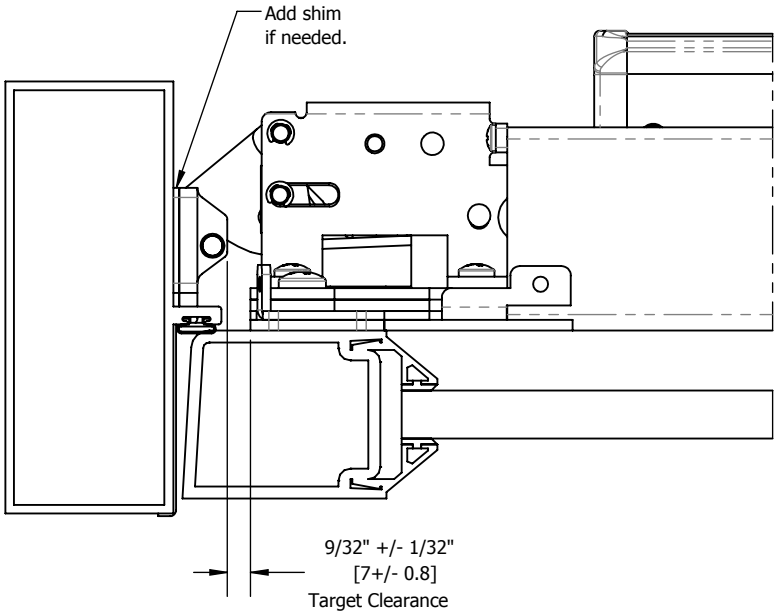
7. INSTALL END CAP

A. Remove end cap from end cap bracket.
B. Mark hole locations by either using template or holding end cap bracket up against door and device. Be sure exit device is level before inserting end cap bracket lip into end of device.
C. Mark and drill/tap holes.
D. Install end cap bracket and end cap.



8. TEST AND ADJUST

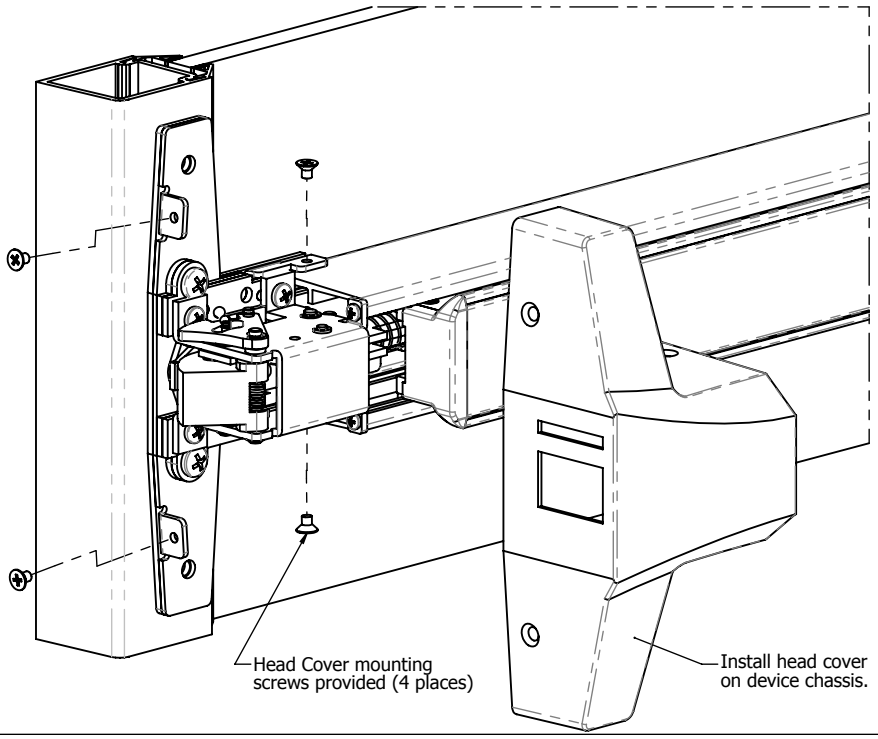
A. Check engagement between device and strike. Shim strike as needed for a 9/32" clearance between strike and chassis.
B. Check opening and closing door. Repeat this with head cover to make sure head cover does not hit the strike.
C. If device operates properly, drill/tap and install center screw in strike (if applicable).



Target Clearance measured from strike face to front edge of device chassis
(Blade Stop Application Shown Above)

9. INSTALL COVERS

A. Install head cover on chassis using provided screws.

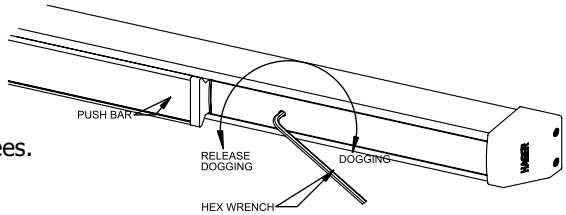


10. DOG DEVICE

For increasing the life of this device, dog device down during high traffic periods of the day. (A dogging device is not available on fire rated models.)

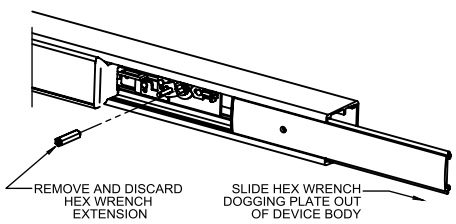
HEX WRENCH DOGGING

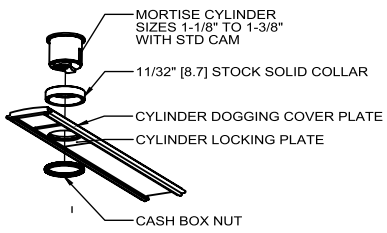
Dogging:
Depress push bar, insert dogging hex wrench, and turn clockwise 35 degrees.
The push bar will remain depressed and the latch will stay retracted.
Release Dogging:
Hold push bar, insert dogging hex wrench, and turn counterclockwise 35 degrees.
The push bar will return to the up position and latch will extend to lock door.

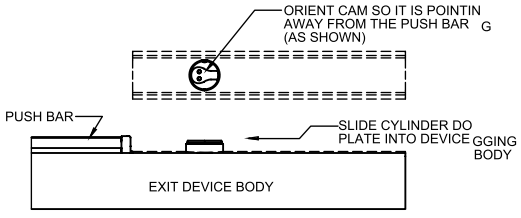


CYLINDER DOGGING

For cylinder dogging, remove cover plate. Remove the hex wrench extension located below the dogging cover plate, which is held in place by a magnet. Install a mortise cylinder into the cylinder dogging cover plate using an 11/32" (8.7 mm) solid cylinder collar and cash box nut. On the mortise cylinder, use a "standard cam" (.723" [18 mm], screw center to tip of cam). The cylinder should be oriented so the cam is pointing away from the exit device push bar. Install the dogging cover plate with cylinder and test dogging. Depress the push bar, insert key, and turn key clockwise to dog device. Turn key counterclockwise to release dogging.







Required hardware for cylinder dogging: One (1) mortise cylinder, lengths 1-1/8", 1-1/4", or 1-3/8", one (1) standard cam .723" (18 mm) screw center to top of cam, one (1) 11/32" (8.7 mm) stock solid collar, one (1) cash box nut, and one (1) Hager cylinder dogging kit.