

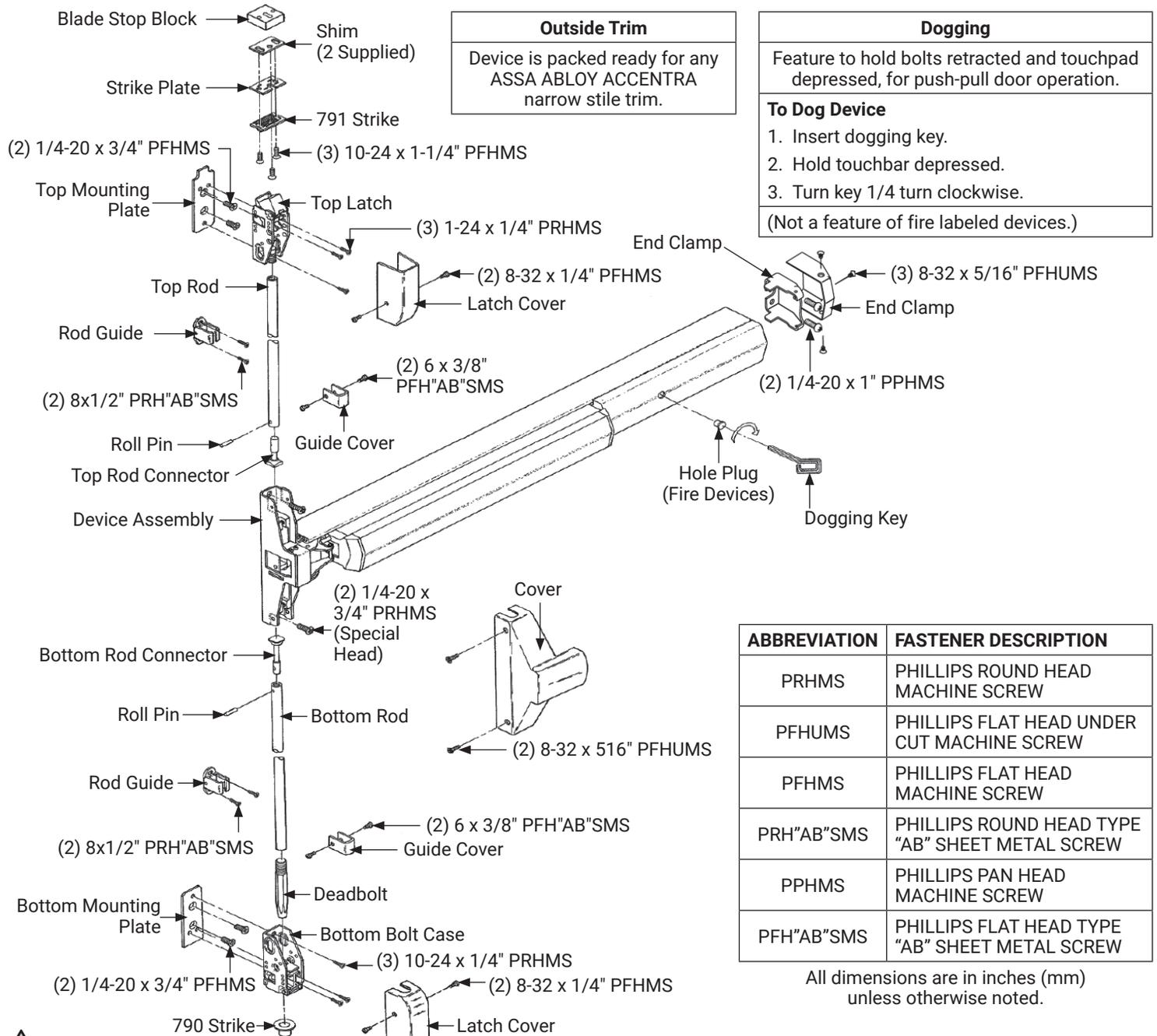
7210

Surface Vertical Rod Exit Device

ACCENTRA

ASSA ABLOY

Installation Instructions



⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

⚠ WARNING

Attention Installer: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and ASSA ABLOY makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

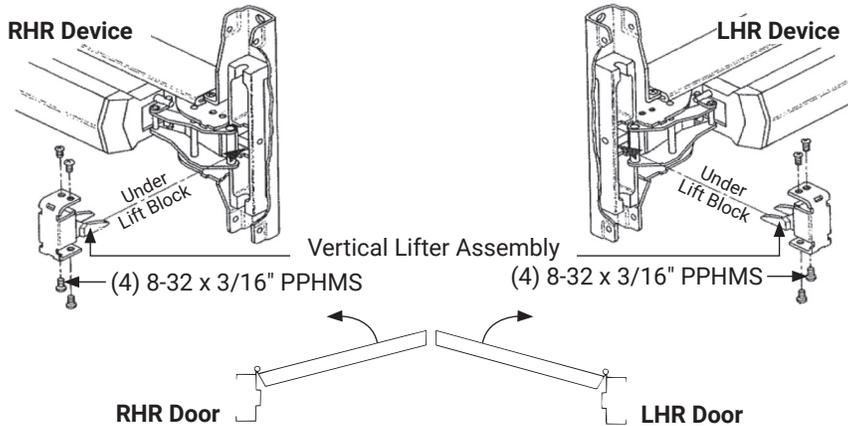
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To Change Hands



Check Before Starting Unreinforced Doors or Frames

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

Unreinforced Doors:
Use SNB (sex nuts and bolts).

Unreinforced Frames:
Use Blind Rivet Nuts.

Recommended fasteners for unreinforced openings are not necessarily supplied by ASSA ABLOY ACCENTRA™.

1. Mark Door Locate and Mark Horizontal and Vertical Reference Centerlines as shown.

LHR door shown preparation is typical for both door hands.

Caution: If device is mounted higher or lower than shown, rod length must change. Lengthen or cut top and bottom rods as shown in Step 7.

2. Prepare Door, Frame & Sill

1. Locate "Device Template" aligning VERTICAL REFERENCE and HORIZONTAL REFERENCE lines on door and template. Tape template to door face.
2. Locate "Top Latch", "Top Strike", "Bottom Case" and "Bottom Strike" templates, aligned on centerline of Device, Rods and Strikes on door. Tape templates in place.
3. Locate and tape Trim Template to door. (See instructions packed with Trim.)

4. Spot and prepare holes:

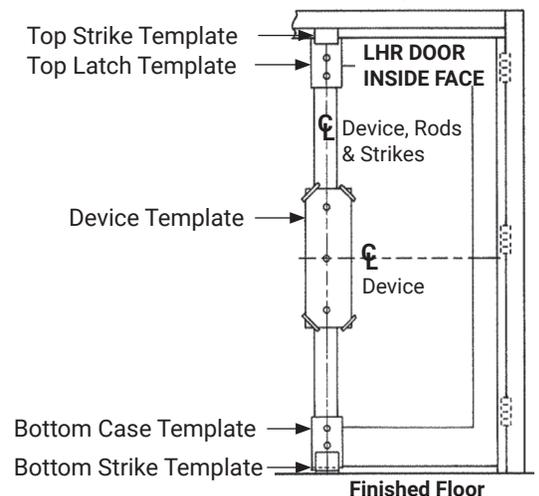
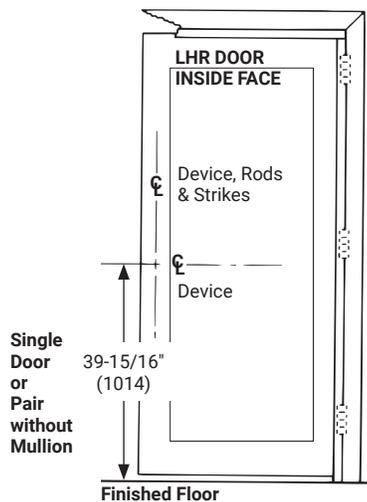
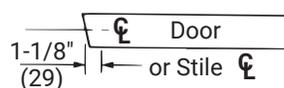
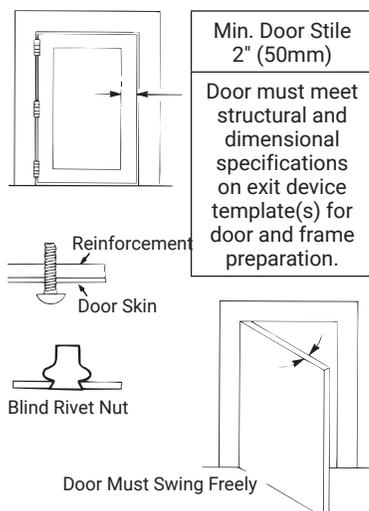
Device and Bolt Case Plates:

Each (2) 1/4-20 Machine Screws* or (2) 3/8" (10) dia. Sex Nuts & Bolts

(*) Metal reinforced door only.

Top Strike: (2) 10-32 Machine Screws;

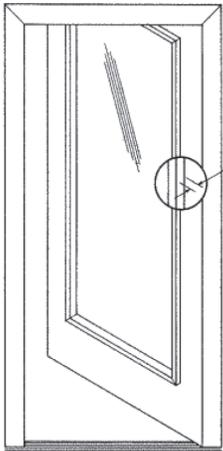
Bottom Strike: 5/8" (16) dia x 3/4 (19) deep hole



3. Clear Raised Door Molding

Device must seat flush on door surface, or on shims that keep it parallel to door face.

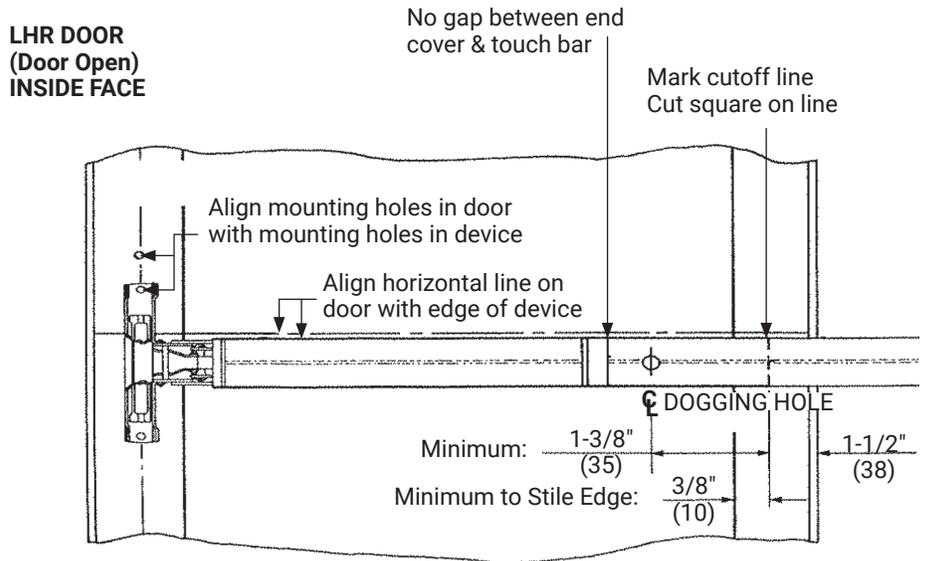
Longer mounting screws needed when more than (2) shim kits are used.



One Shim Kit #724N per 1/8" (3mm) of raised molding.

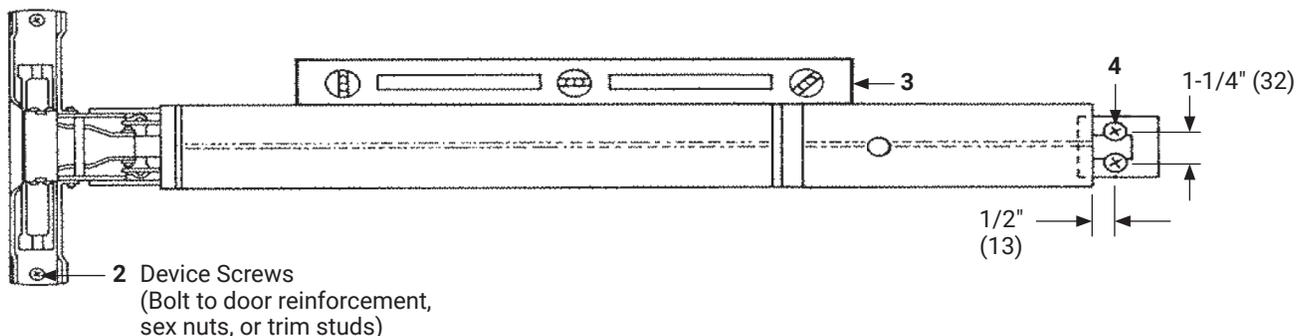
4. Size Device

Device must be field cut to size, unless standard opening and device are 36" (0.91m) or 48" (1.22m).



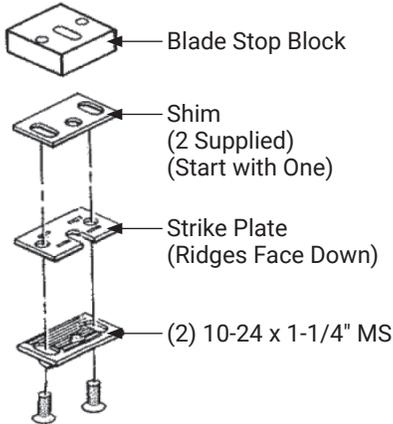
5. Install Device

1. Mount Trim (Follow instructions packed with Trim).
 2. Seat Bar in place (Projecting C-Cam boss must penetrate into door hole). Fasten Device Head (2 PRHMS or SNB).
 3. Set Bar level. Locate End Clamp holes.
 4. Prepare End Clamp mounting holes. Mount End Clamp. (2 #1/4-20 PRHMS or 3/8" (10) dia SNB)
 5. Check Slide Action (Slide Travel ~ = 9/16" (14).
 - a. Depress touchbar (slide should move up). Release touchbar (slide should fall back to original rest position).
 - b. Activate trim (slide should move up). Release trim actuator (slide should fall back to rest position).
 - c. Depress touchbar, turn dogging key clockwise (bar must remain depressed, slide must remain in up position). Turn dogging key counterclockwise (bar should extend, slide should fall back to rest position).
- NOTE:** When resulting operation is faulty, check first for visible binding or interference. If there is no apparent reason for the fault, remove item from the door and recheck its operation before assuming that it is defective.
6. Tighten all mounting screws.



6. Set Latches, Strikes and Guides

Top Strike Detail

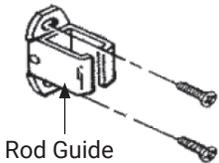


NOTE: Reserve third screw for Step B. Blade Stop is used, omit Blade Stop Block and mount Strike with 5/8" long screws (in 791 Strike Pack)

Rod Guide Detail

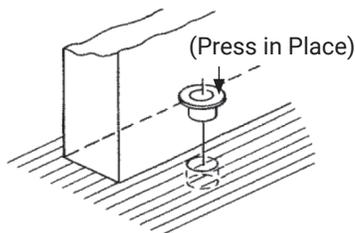
(Typical 2 Places)

(2) 8 x 1/2" POH "AB" SMS

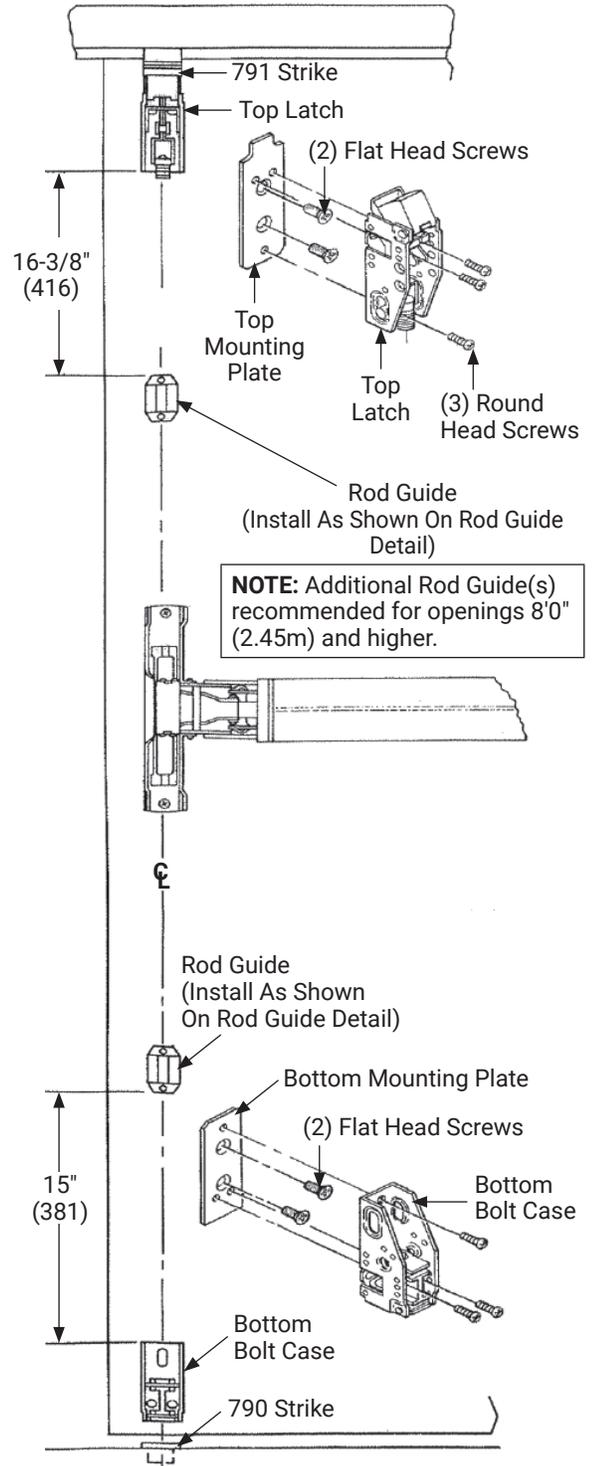


- Locate Rod Guide as dimensioned. Spot (2) mounting holes.
- Prepare holes. .140 (3.50) dia. inside face.
- Mount Guide.

Bottom Strike Detail (790 Strike)



NOTE: Bottom Bolt will retract to 1/8" (3 mm) above Floor Strike. Floor covering in the door path must be laid out accordingly.



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7. Prepare Rods

Top Rod

Ready for 84" (2134) Openings

Openings Under 84" (2134)

For Top Rod cutoff length, deduct OPENING HEIGHT from 84" (2134).

Example:

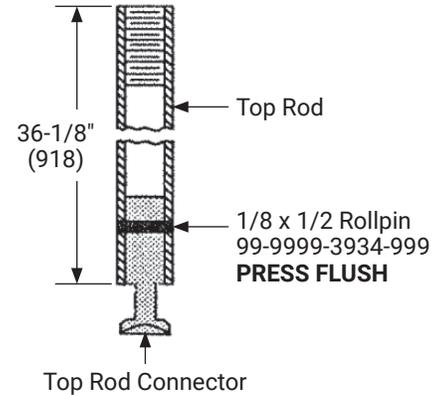
Opening = 80" (2032)
84" (2134) - 80" (2032) = 4" (102)
Top Rod must be cut 4" (102).

Openings Over 84" (2134)

For Top Rod additional length, deduct 84" (2134) from OPENING HEIGHT.

Example:

Opening = 99" (2515)
99" (2515) - 84" (2134) = 15" (381)
Top Rod must be lengthened 15" (381).



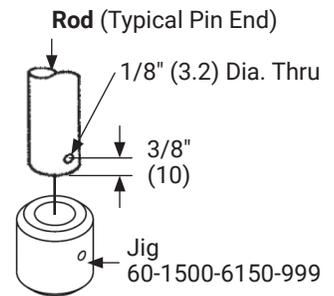
To Lengthen Rods

- Use Rod Extension(s) to extend Rod to length needed or longer (2", 6", or 12" Rod Extensions available).
- Cut excess length from end of rod with pin hole.
- Apply screw locking compound* to Rod Extension(s) male threads. Thread Extension(s) until seated tight over Rod.

(*Available at automotive parts store.

To Cut Rods

- Cut from end with pin hole. NEVER CUT THREADED END.
- Press Jig until it bottoms over Rod.
- Drill 1/8" (3) dia. hole thru, 3/8" (10) from end of Rod.



Bottom Rod

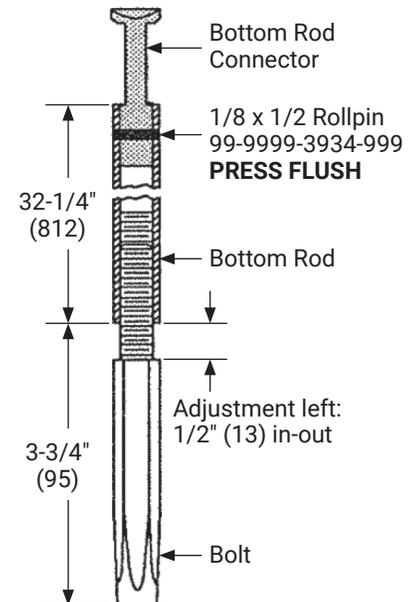
Ready for 39-15/16" (1014) Floor to Device Center

To Lower Device

1. Bottom Rod cutoff length is distance that device was lowered below 39-15/16" (1014).
2. Add to Top Rod a length equal to the Bottom Rod cut.

Example:

Device at 36" (914) from floor.
39-15/16" (1014) - 36" (914) = 3-15/16" (100)
The Bottom Rod must be cut 3-15/16" (100).
The Top Rod must be lengthened 3-15/16" (100).



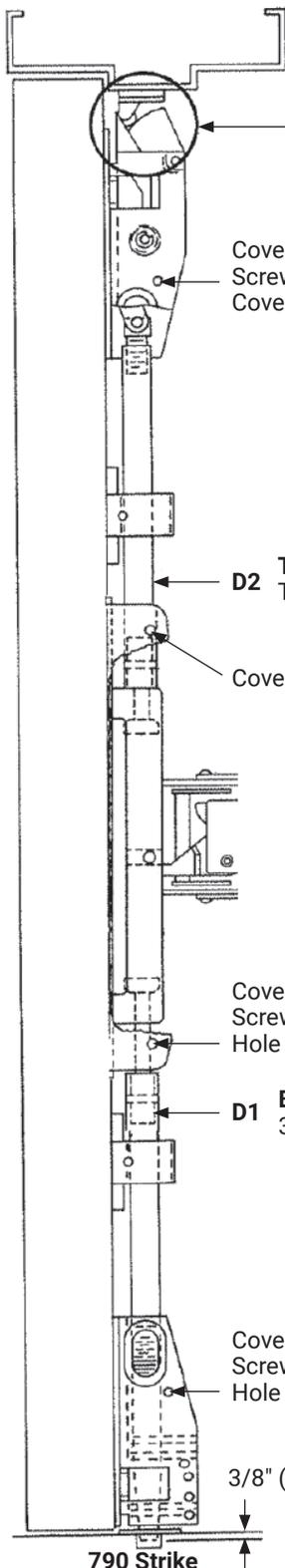
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8. Complete Installation



A Install Rods, as shown

B Set Strike Roller between Tripping Lever and Bolt. DO NOT PRELOAD BOLT. Adjust and shim Strike as needed.

C Test Device action by Touchbar, by Trim, by Dogging. ADJUST AS NEEDED. Upper Bolt should retract flat. Bottom Bolt should retract 1/2" (12). Bolts extend when door shuts and Top Strike hits Tripping Lever.

D2 Top Rod Adjustment TILT ROD OUT & TURN

D1 Bottom Rod Adjustment TILT ROD OUT & TURN 3/8" (10) Bottom Bolt engagement required.

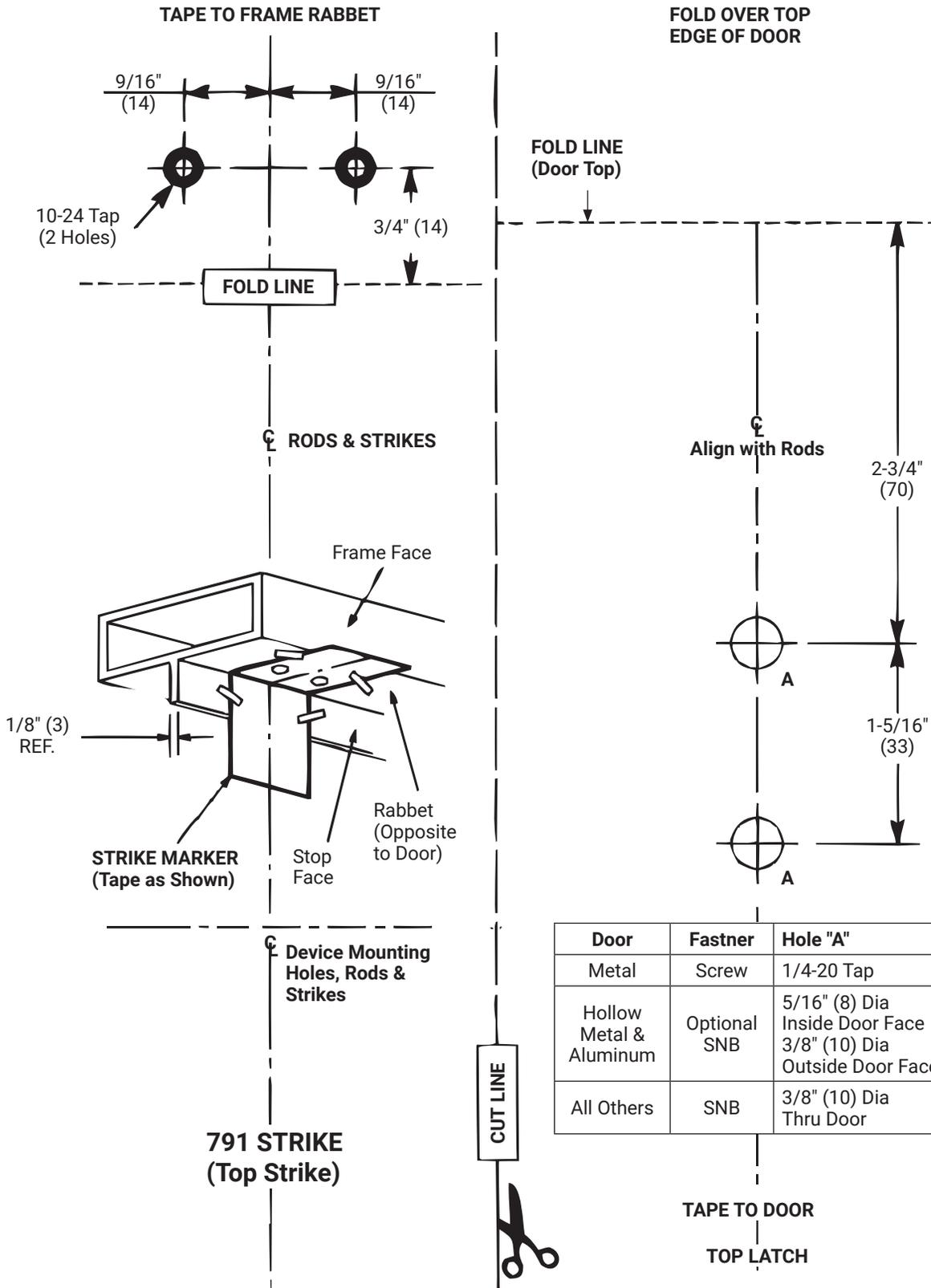
E After acceptable Device function, Install third screw in top Strike to lock strike in position. 10-24 x 58" FHMS

F Install Device & Latch Covers. (2) 8-32 PFHMS each.



MAINTENANCE:

1. Periodically remove covers and coat mechanisms with a silicone base lubricant. This is particularly required in corrosive environments for proper product function.
2. Check mounting fasteners periodically. Retighten if found loose. Apply screw locking compound (available at automotive part stores) or change part fasteners if screws continue to back up.
3. Periodic checks (and adjustments) of rods is required to compensate for changes in the opening (e.g.: door sagging).



- NOTES:**
1. "Cutlines" separate different templates.
 2. Dimensions are given in inches (mm).
 3. **CAUTION:** Office copiers, printers and facsimile machines may change the size of a drawing and make the template inaccurate to use as a door marker.

Door	Fastner	Hole "A"
Metal	Screw	1/4-20 Tap
Hollow Metal & Aluminum	Optional SNB	5/16" (8) Dia Inside Door Face 3/8" (10) Dia Outside Door Face
All Others	SNB	3/8" (10) Dia Thru Door

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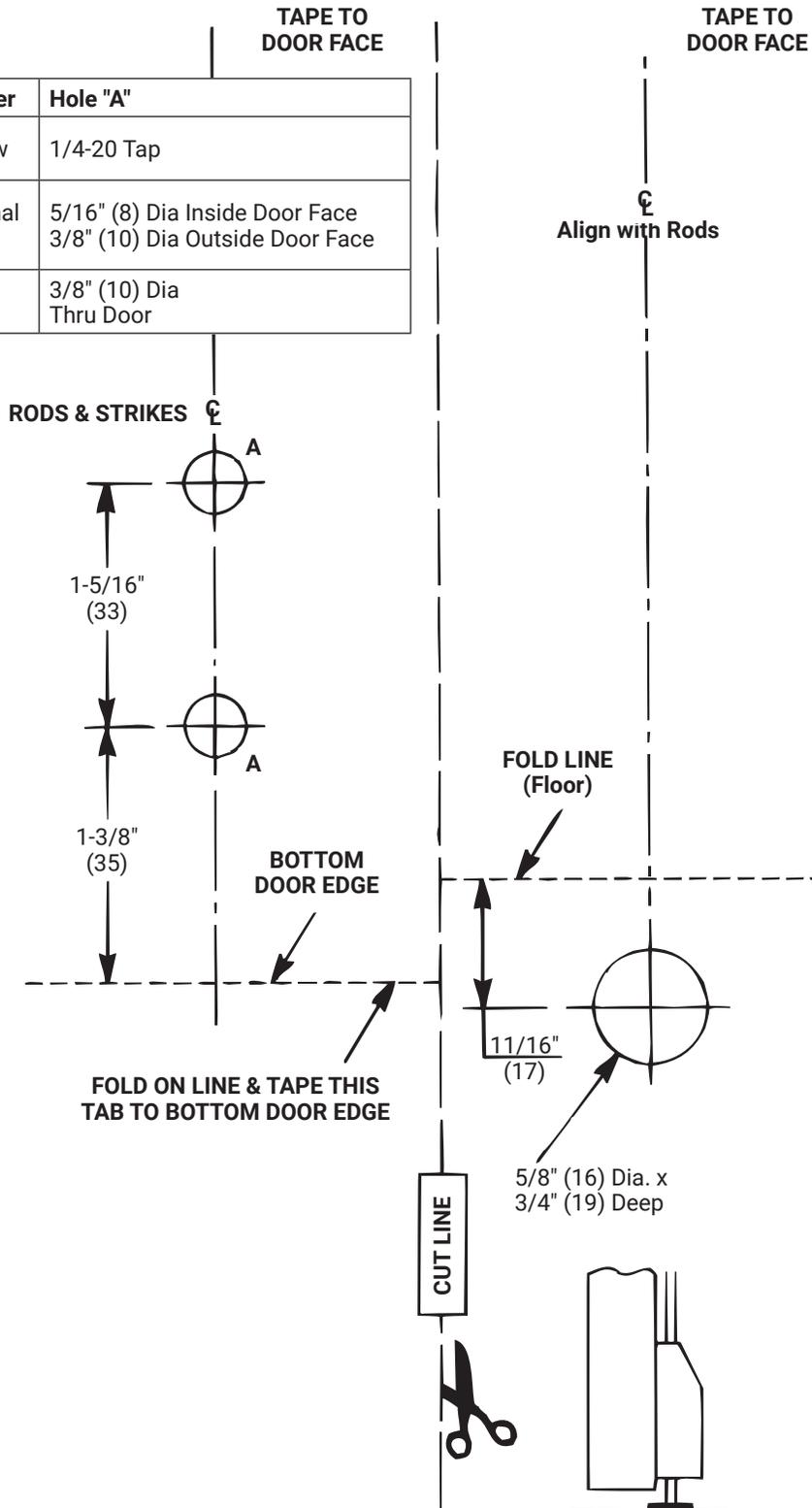
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BOTTOM BOLT CASE

790 STRIKE

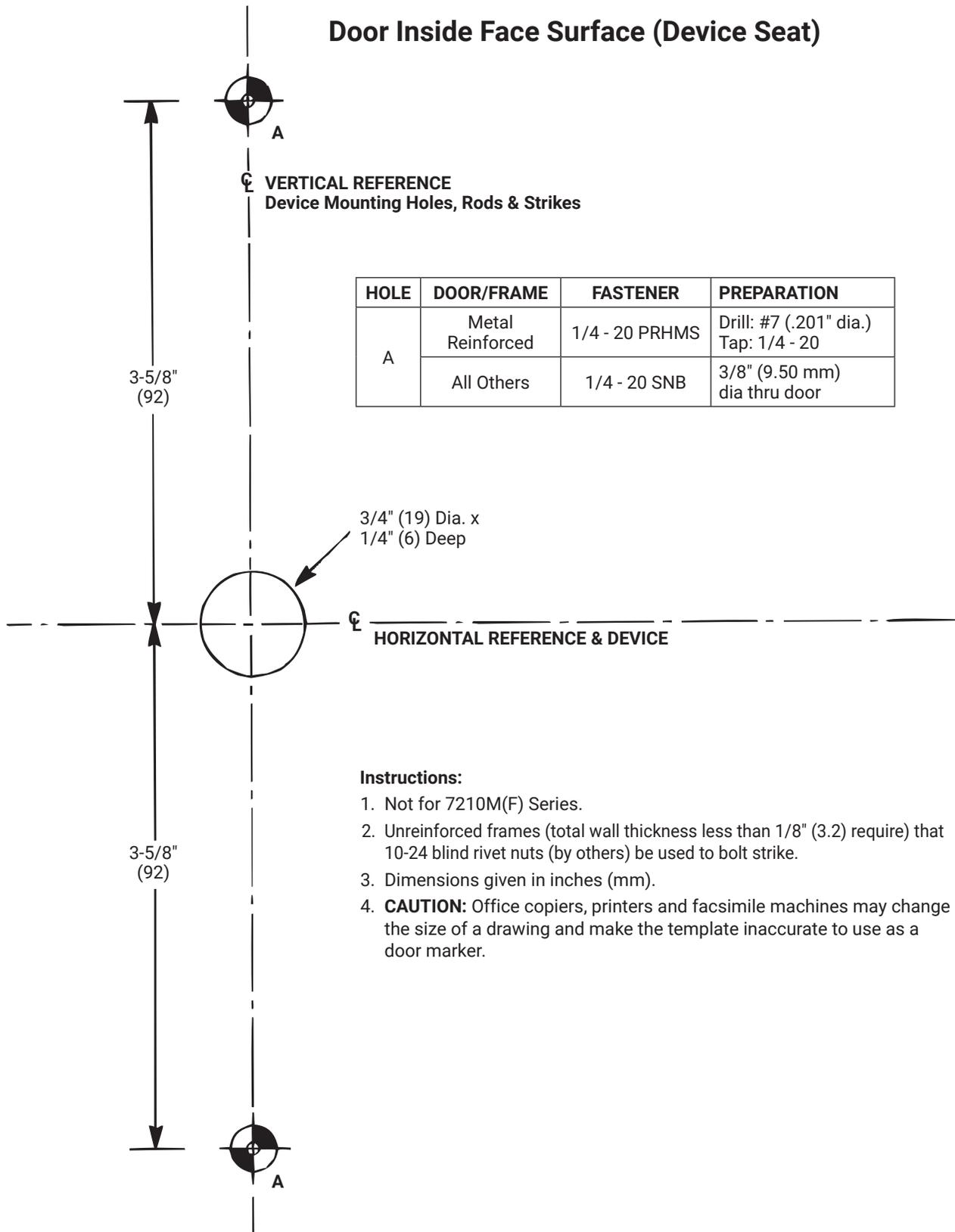
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Door Inside Face Surface (Device Seat)



Instructions:

1. Not for 7210M(F) Series.
2. Unreinforced frames (total wall thickness less than 1/8" (3.2) require) that 10-24 blind rivet nuts (by others) be used to bolt strike.
3. Dimensions given in inches (mm).
4. **CAUTION:** Office copiers, printers and facsimile machines may change the size of a drawing and make the template inaccurate to use as a door marker.

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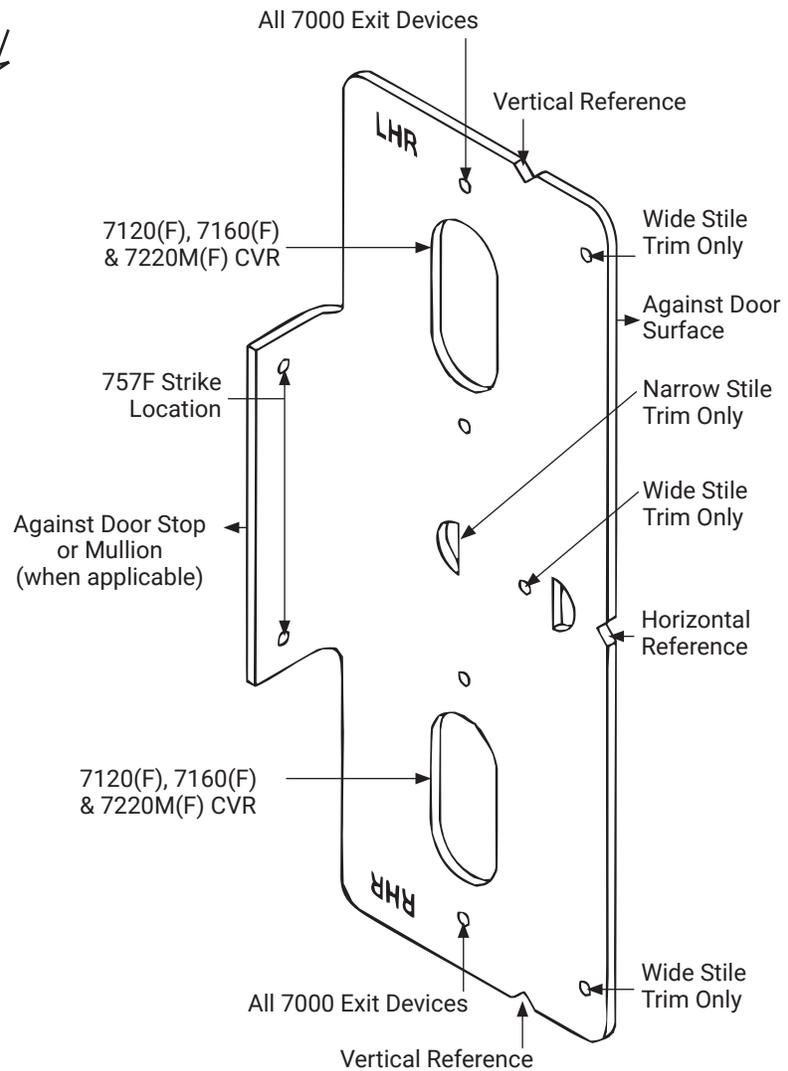
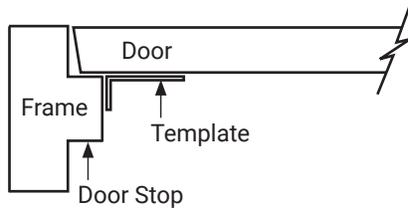
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Plastic Installation Template

For use in conjunction with instruction sheets packed with exit device.

Holes and slots are identified below by exit device series and trim. Prep door and frame for only those features required for the exit device being installed.



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