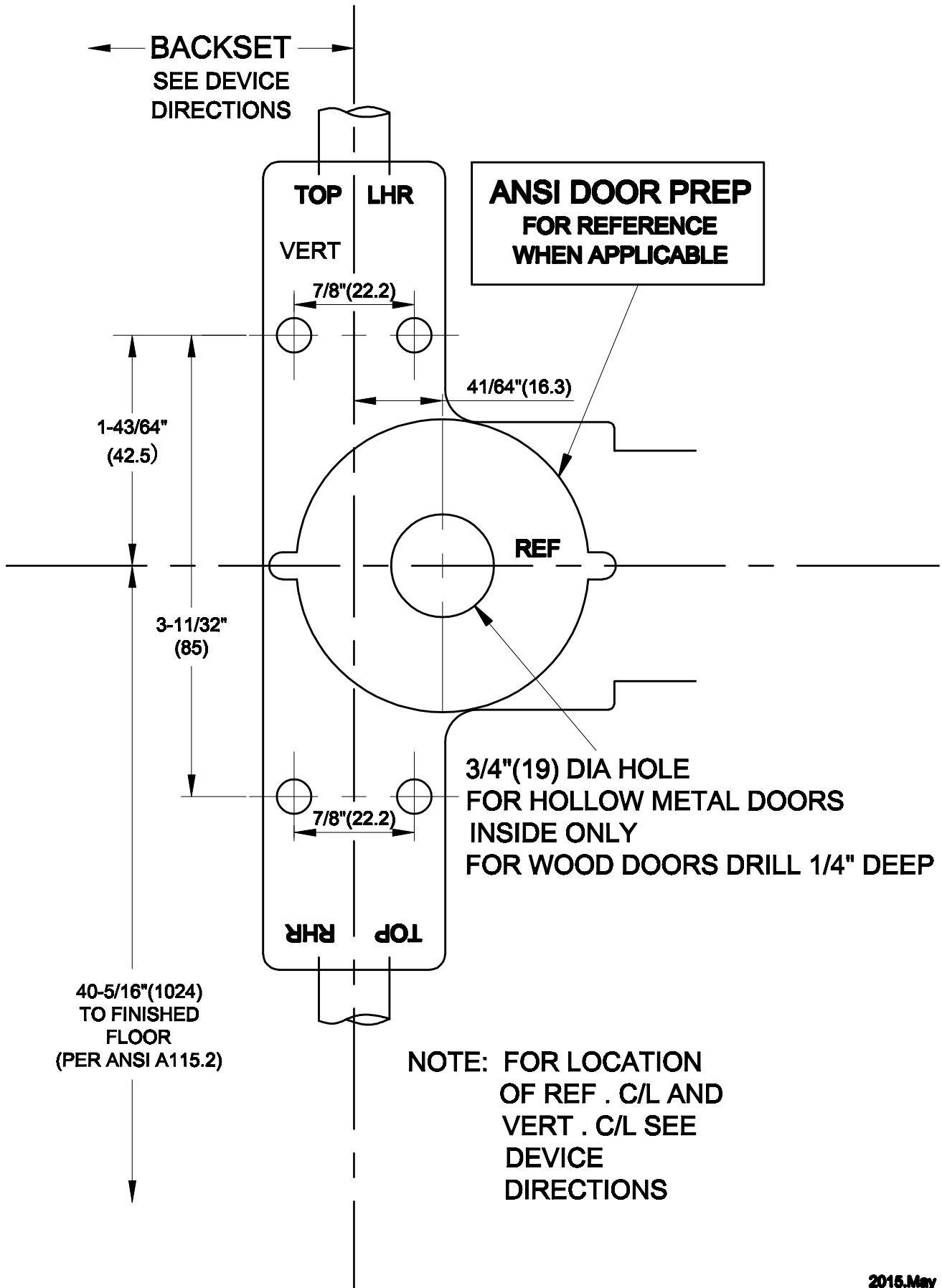
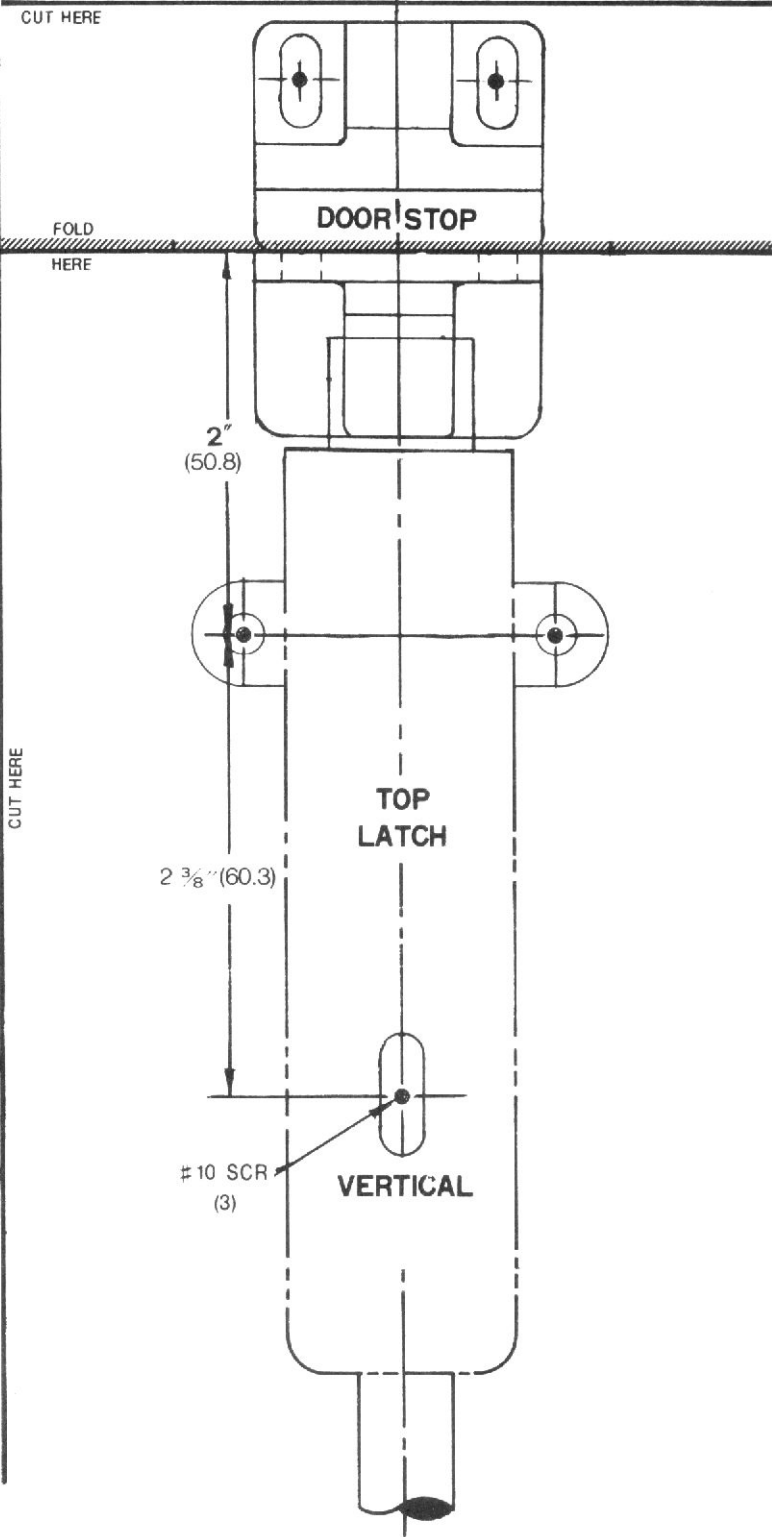
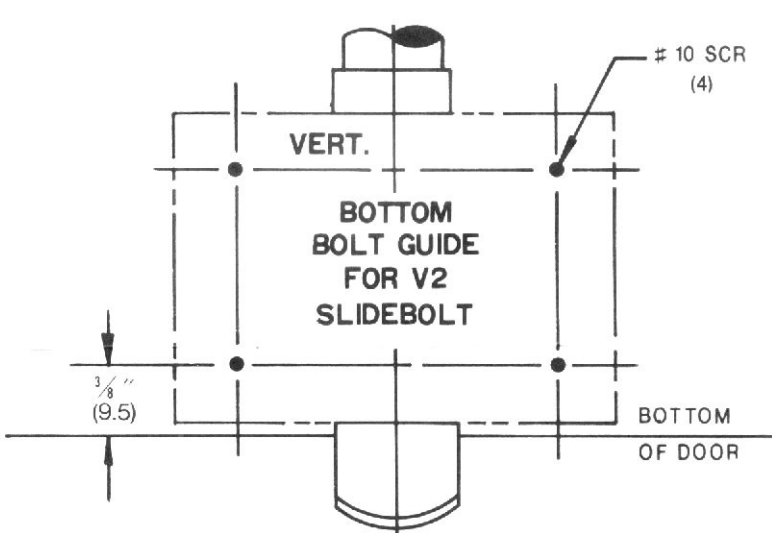
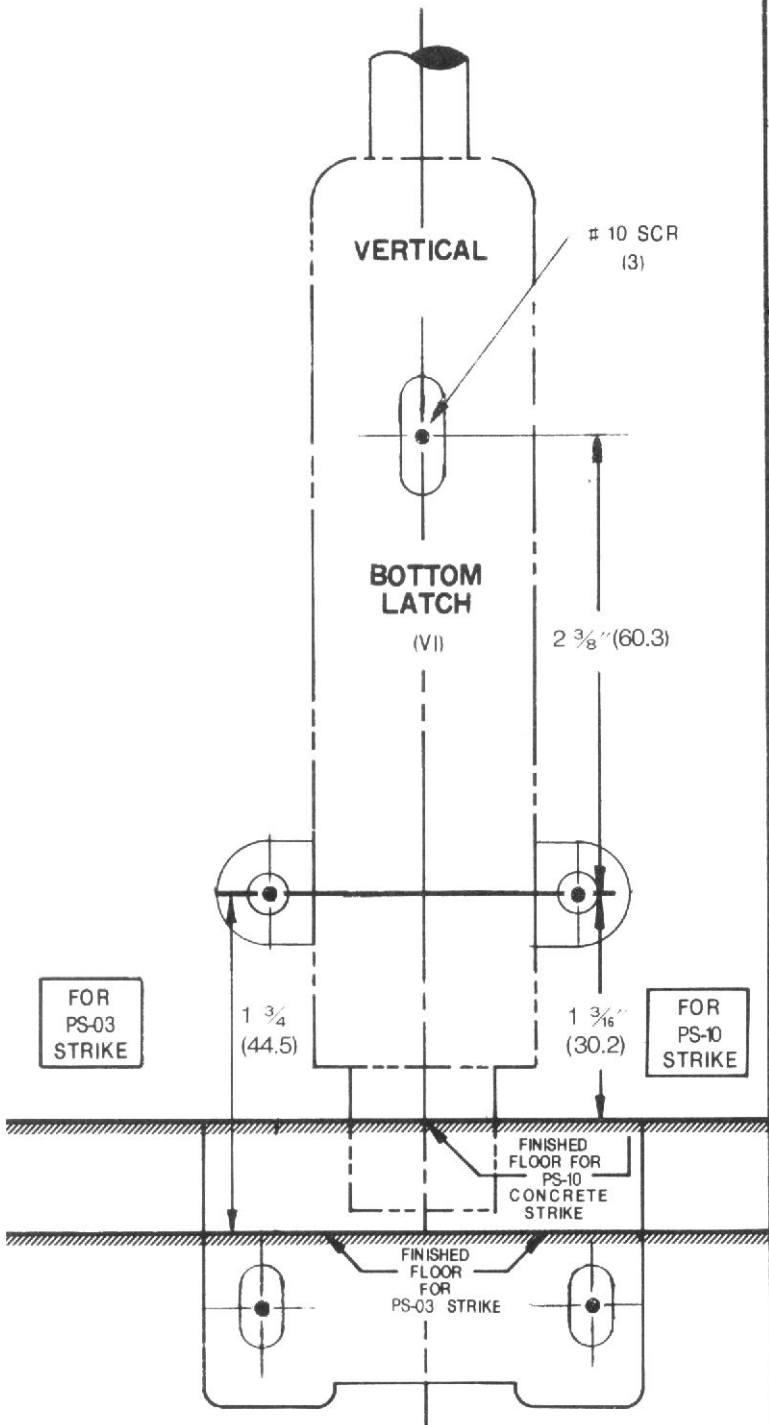


# TEMPLATE FOR VR531 PANIC EXIT DEVICE



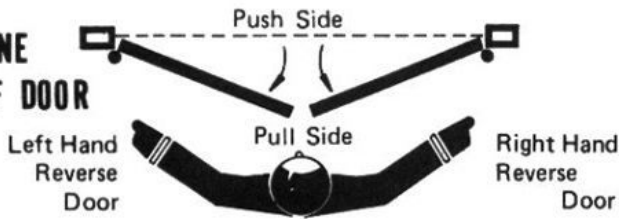


# VR531 SERIES Rim Exit Device VERTICAL ROD MODEL

## INSTALLATION INSTRUCTIONS FOR WOOD & METAL DOORS

**BEFORE INSTALLING:** Check to be sure the Exit Device is the proper hand for your door.

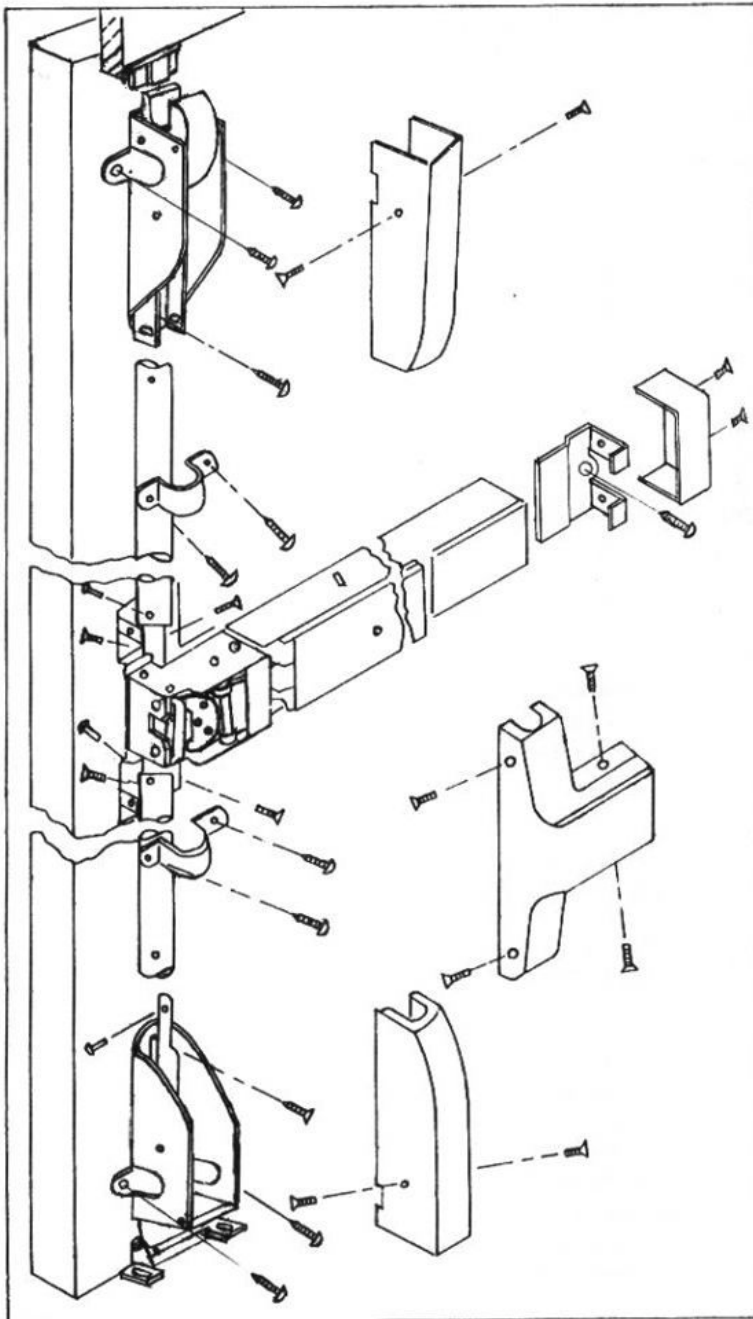
### HOW TO DETERMINE HAND OF DOOR



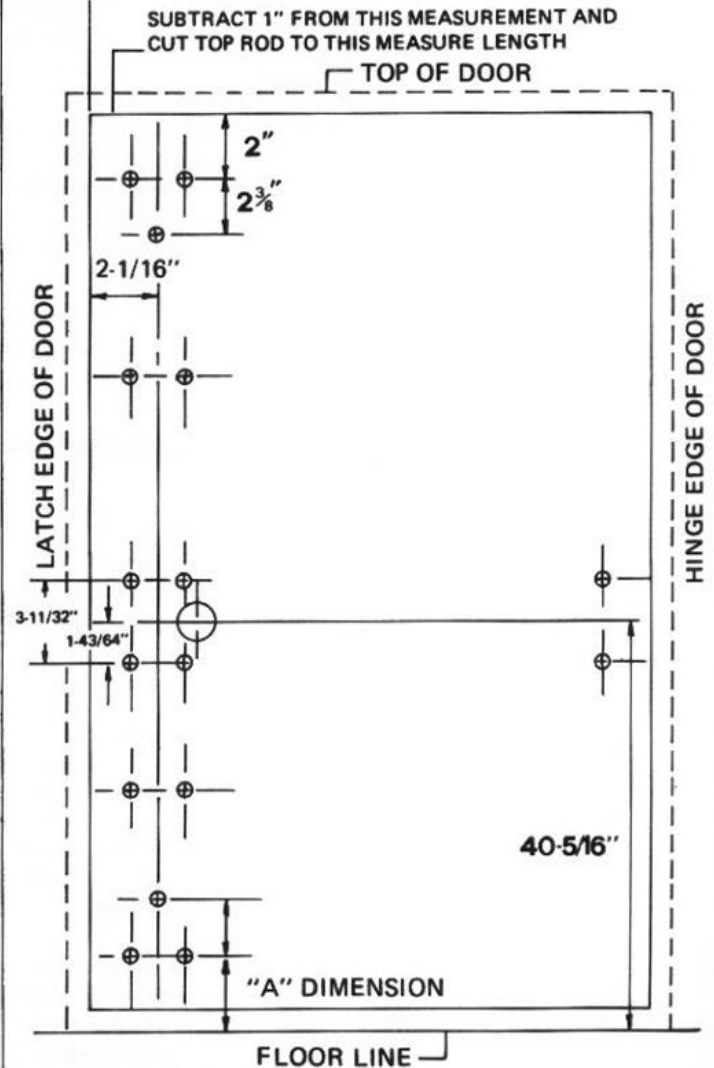
### STEP 1 MARK CENTER LINES:

Mark Center Lines on **INSIDE** of door. Establish the horizontal center line of the device by drawing a line across the door  $40\text{-}5/16''$  above floor line. Establish the top and bottom rod backset center line by drawing a vertical line from the top to bottom of the door measuring from the **LOW SIDE** of the **DOOR BEVEL**.

\*Regularly furnished unless otherwise ordered.  
**INSIDE OF LHRB DOOR IS ILLUSTRATED**



**LOW SIDE OF  
DOOR BEVEL**



\*Regularly furnished unless otherwise ordered.

"A" DIMENSION	INSTALLATION
$1\frac{3}{4}''$	Surface Strike
$1\frac{3}{16}''$	Flush Strike

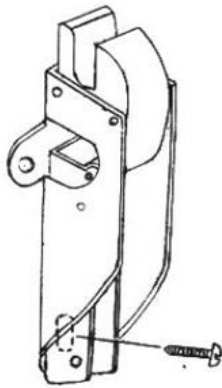
## STEP 2 LOCATE LATCHES:

Locate Top and Bottom Latch. Mark for later installation. (See illustration on Page 1 for dimensions and locations.)

## STEP 3 MOUNT TOP LATCH:

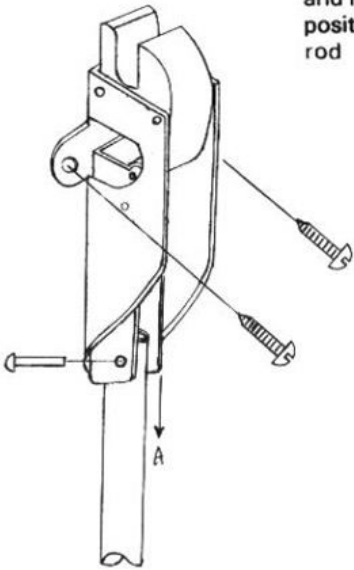
Retract the latch by pushing up on slide and fasten Latch Assembly with screws as illustrated. Be sure to draw the screw up tight. Drill hole for the cover screw using the hole in the slide Assembly at bottom as guide.

First screw into the hole to fix the correct position.



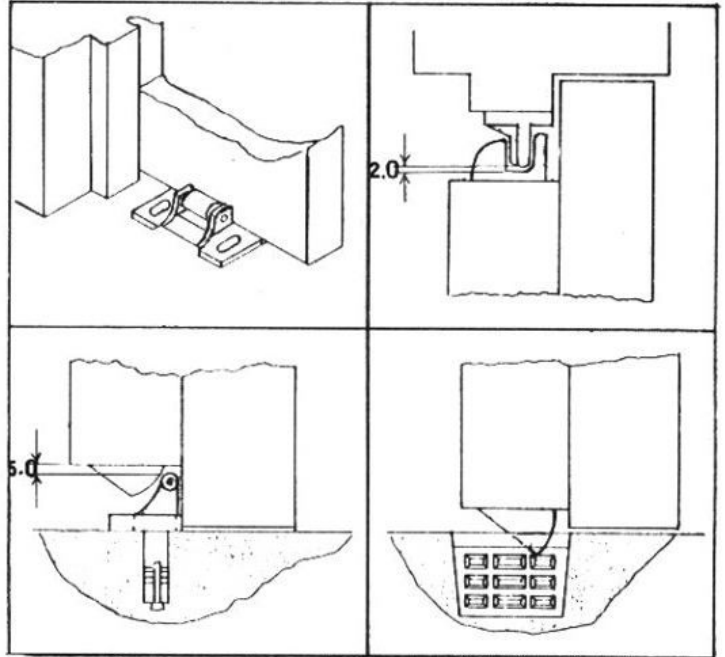
## STEP 4 TOP ROD ASSEMBLY:

Put the top latch and top strike in the proper position, then tighten the left and right screws. Put part (A) in down position to match the screw hole of the rod and assembled.



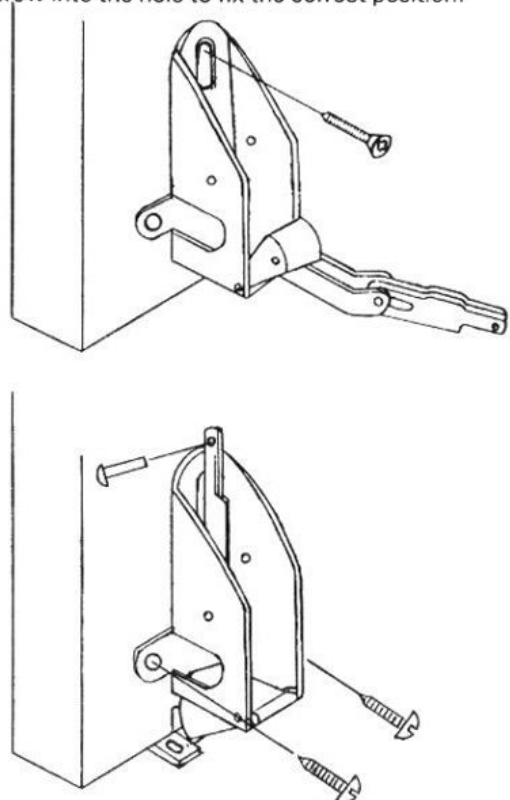
## STEP 5 INSTALL STRIKES:

Close door. Align center of Strike with Vertical Backset center line on door and install top and bottom Strikes.



## STEP 6 MOUNT BOTTOM LATCH:

Insert Bottom Latch Screw through bolt in Latch Frame into bottom hole. Do not tighten. Lift up Slide Assembly and fit the Spring Loop over the stump on the latch frame. Position Latch Frame so that Latch engages strike. Now tighten bottom screw. Drill a hole for the Cover Screw using the hole in the Slide Assembly at top as guide. Spot with  $\frac{1}{4}$ " drill. Drill through with #3 drill for self-lapping screw. First screw into the hole to fix the correct position.

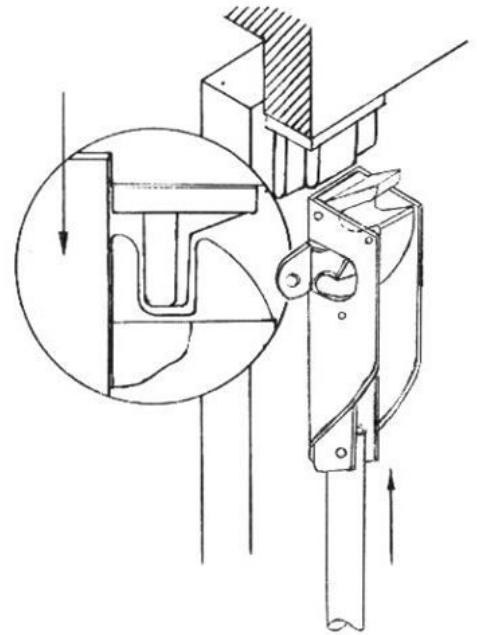
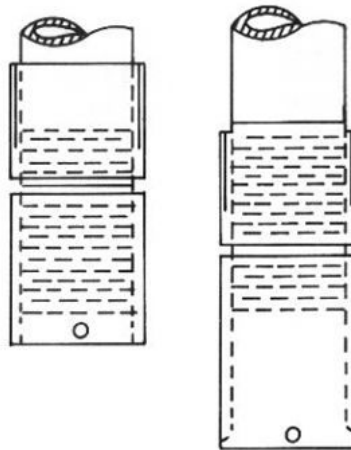


## STEP 7 INSTALL TOP ROD ADJUST TOP LATCH:

Attach Top Rod to Bar Assembly by slipping hole over Stump and secure Rod by means of "E" Ring. Shut door. Turn Adjustable Rod Connector until head Toucher underside of latch slide. Insert pin. Depress bar, if top latch does not retract completely, remove pin and turn connector to adjust length. Repeat until Latch Bolt just disengages.

**CAUTION: MAKE CERTAIN "E" RING ENGAGES SLOT IN STUMP.**

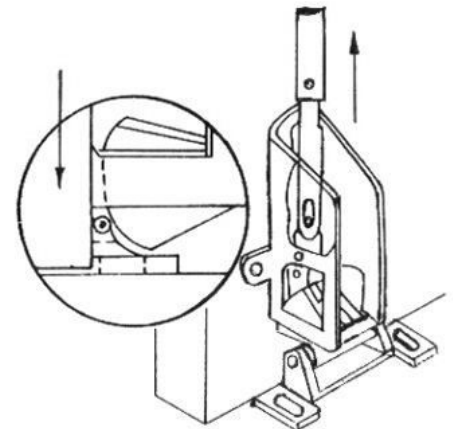
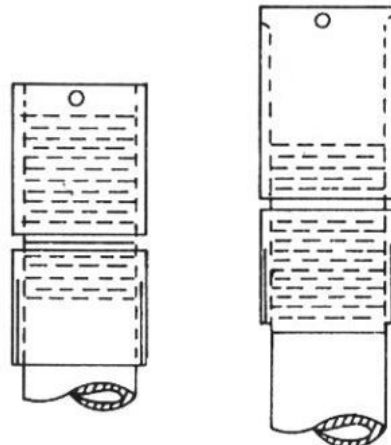
**NOTE:** there is 1" tread in the rod to adjust door opening & closing.



## STEP 8 INSTALL AND ADJUST BOTTOM ROD:

Attach Bottom Rod to Bar Assembly by slipping hole over Stump and secure Rod by means of "E" Ring. Shut door. Dog down Active Case. Insert pin into Rod Connector by turning clockwise or counter clockwise until Latch Bolt just clears Strike. Undog Device.

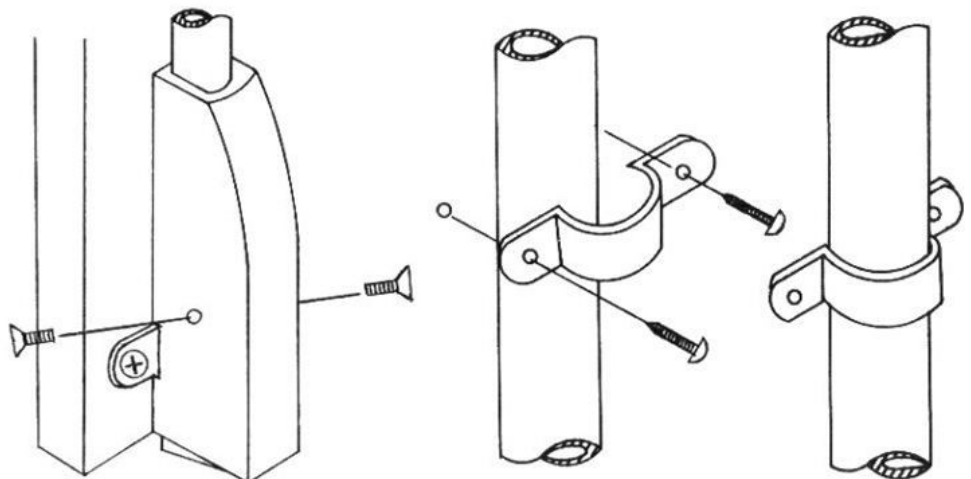
**CAUTION MAKE CERTAIN "E" RING ENGAGES SLOT IN STUMP.**



ATTACH TO LATCH MECHANISM    ATTACH TO BOTTOM LATCH    BOLT JUST CLEARS STRIKE

## STEP 9 MOUNT TOP AND BOTTOM LATCH COVERS:

Bottom Cover—Position above Bottom Latch Frame align with hole in slide assembly at bottom. Secure with furnished screw.  
Top Cover—Position and secure with screw through bottom hole in Top Latch Frame.



## STEP 10 TEST PUSH BAR AND DOGGING OPERATIONS:

The latches should engage the strikes when the door is closed. If the door can be pushed open without depressing the push bar the top rod connector has been over adjusted. Remove cover. Adjust connector as needed. Replace cover.

The top and bottom latches should disengage from the strikes freely when the push bar is depressed or dogged down. If they do not disengage, remove the covers and adjust the connectors as needed. Replace the covers. Retest for proper operation.

### SERIES: NO-TRIM

Top and bottom latch bolts are retracted by the push bar inside.

### SERIES: PLATE AND PULL TRIM

Top and bottom latch bolts are retracted by the push bar inside and the key outside. Turning the key in either direction will retract the latches. remove key and project latches.

### SERIES: KNOB TRIM

Top and bottom latch bolts are retracted by the push bar inside and the key or knob outside.

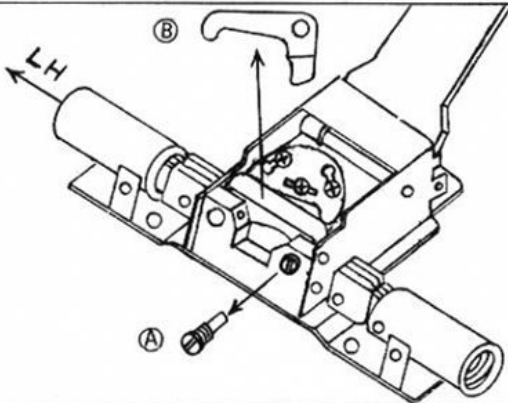
To lock knob Insert key in cylinder and turn counterclockwise as far as key will turn. Then return key to its vertical position and withdraw key.

To unlock knob: Insert key in cylinder and turn clockwise as far as key will turn (the latches will retract during this procedure). Then return key to its vertical position and withdraw key.

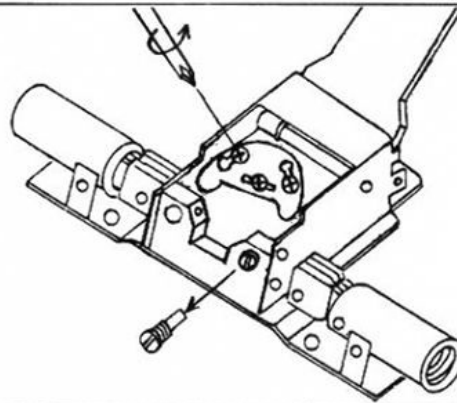
DOGGING: Depress push bar. Insert dogging wrench and turn clockwise 90°. The push bar will remain depressed and the latches will remain retracted.

## STEP 11 DIRECTIONS FOR REVERSING HANDING OF DEVICE

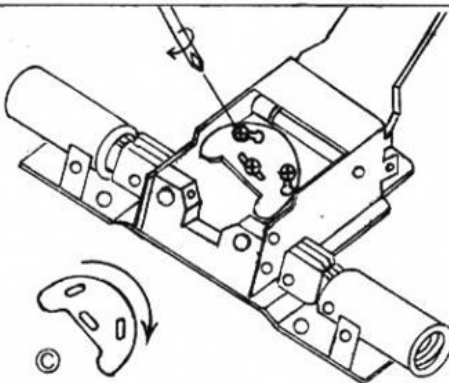
To take out the part screw (A) and part (B) to change to be right hand.



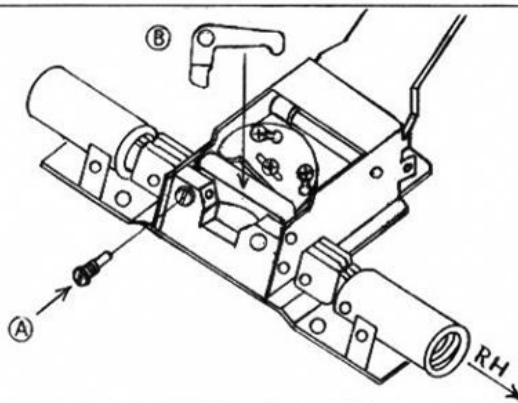
Loosen the screws.

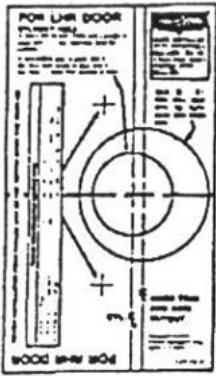


To turn the part (C) to opposite direction, then tight the screws again.



To change the direction of part (B) then tight the screws (A).

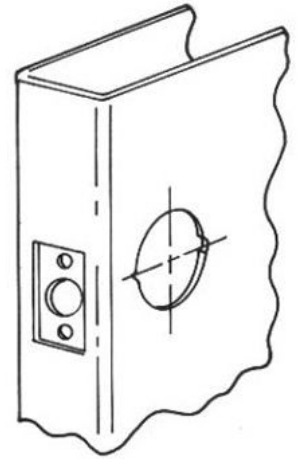




Using Template furnished, spot and drill Mounting Holes for Trim (if furnished), and Device Be sure the Template is aligned with horizontal and vertical center lines on the INSIDE OF DOOR.

**NOTE:**  
If your door has Cylindrical Lock cut-out for ANSI A115.2 and A115.3 ANSI prep doors:

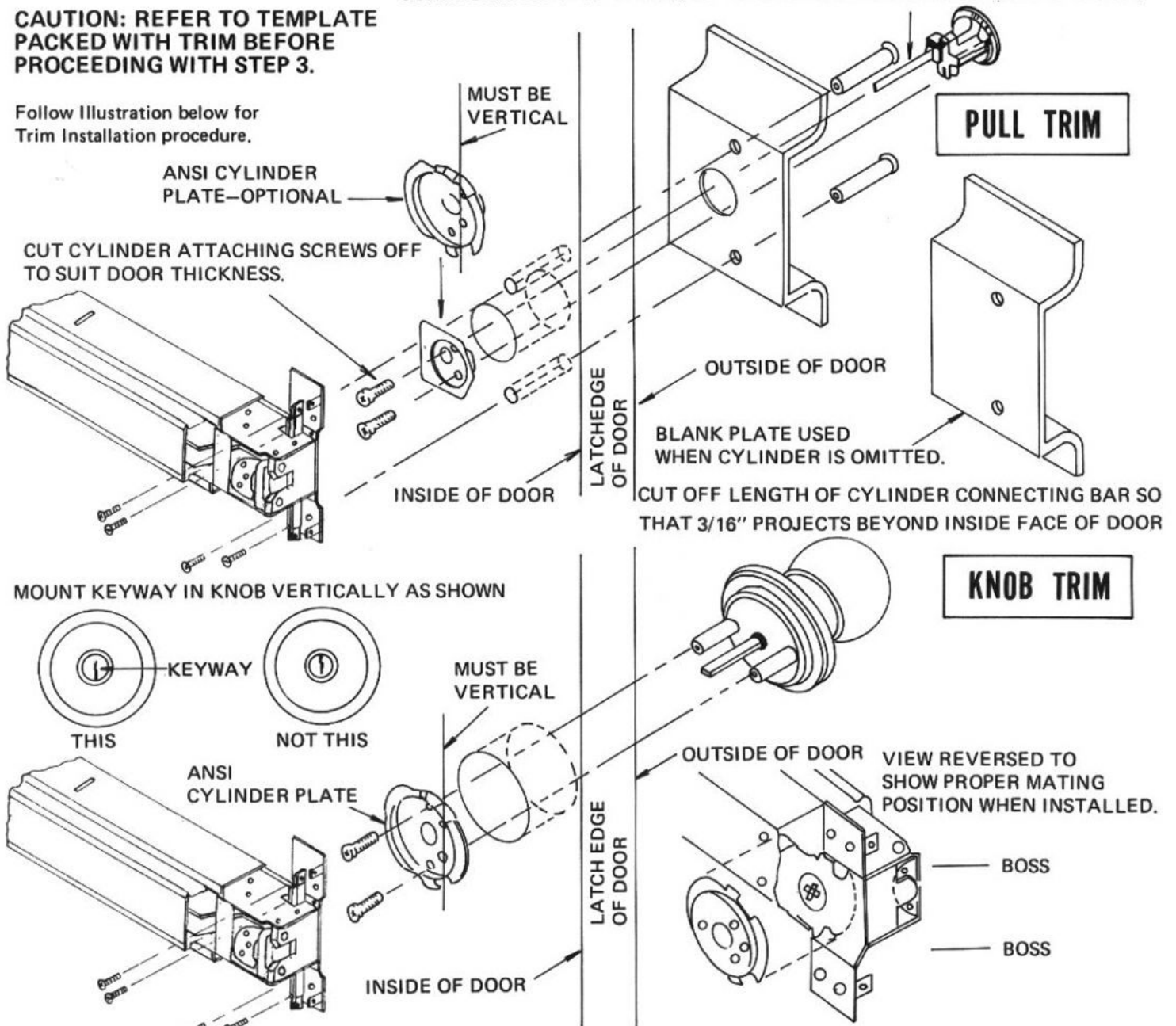
- A. Extend horizontal and vertical center Lines of ANSI cut-out as shown at right.
- B. Align ANSI cut-out center lines on template with center lines on door. Stop and drill holes as needed.



**MOUNT CYLINDER HORIZONTALLY AS SHOWN. CUT OFF LENGTH OF CYL. CONNECTING BAR SO THAT 3/16" PROJECTS BEYOND INSIDE FACE OF DOOR.**

**CAUTION: REFER TO TEMPLATE PACKED WITH TRIM BEFORE PROCEEDING WITH STEP 3.**

Follow Illustration below for Trim Installation procedure.



**CAUTION: WHEN USING THE ANSI CYLINDER PLATE BE SURE THE BOSSES ON THE LATCH ASSEMBLY FIT INTO THE CUTOUTS ON THE CYLINDER PLATE SO THAT THE LATCH ASSEMBLY LIES FLAT ON THE DOOR.**

## TO REMOVE AND REINSTALL CYLINDER IN KNOB:

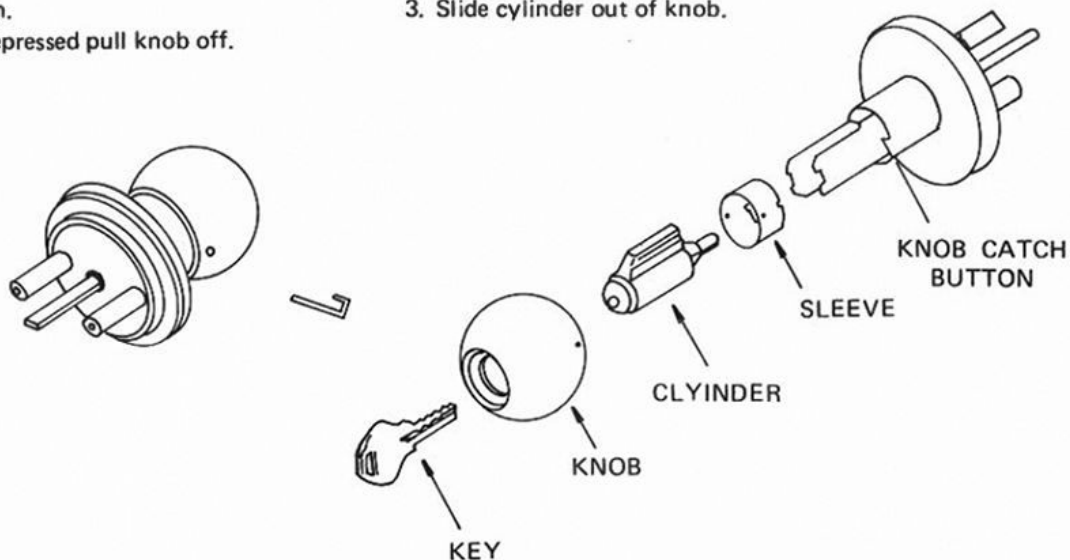
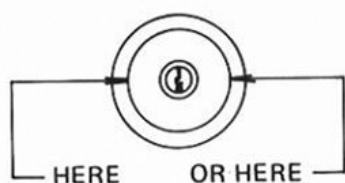
### Remove knob:

1. Insert key in cylinder and turn 90° clockwise.
2. Insert knob removing tool into the hole in the knob and depress the knob catch button.
3. While knob catch button is depressed pull knob off.

### Remove cylinder from knob:

1. Remove sleeve.
2. Remove key.
3. Slide cylinder out of knob.

(The knob catch button will be in one of these positions).



### Reinstall cylinder in knob:

1. Slide cylinder into knob.
2. Replace sleeve.

### Reinstall knob:

1. With key inserted part way into cylinder slide knob onto knob shank.
2. Depress knob catch button and push knob on to the knob shank as far as it will go.
3. Insert key completely into the cylinder and turn the key while pushing on the knob until it engages the knob catch button.
4. Return key to its vertical position and remove it.
5. Pull on the knob to be certain it is properly engaged to the knob catch button.

ITEM	Q'TY	FASTENER
TOP STRIKE	2	#10x1" TRUSS PHIL HEAD WOOD SCREWS
TOP AND BOTTOM LATCH	5	#10x1" TRUSS PHIL HEAD WOOD SCREWS
TOP AND BOTTOM ROD GUIDES	4	#10x1" PAN HEAD TAPPING SCREWS TYPE "A"
FRONT PLATE ASSEMBLY AND REAR BRACKET	5	#12x1-1/4" LAG PAN HEAD TAPPING SCREWS TYPE "A"
BOTTOM LATCH COVER	1	#10x1" FLAT PHIL HEAD WOOD SCREWS
BOTTOM STRIKE	2	#10x1" TRUSS PHIL HEAD WOOD SCREWS AND 1/4-20x3/4" FLAT PHIL HEAD MACHINE SCREWS AND ANCHORS

# CAUTION

CAUTION: IF EXIT DEVICE BAR NEEDS TO BE CUT, IT IS CRITICAL THE EXIT DEVICE COVER BE PROPERLY CUT. PLEASE FOLLOW THE DIRECTIONS BELOW TO AVOID POSSIBLE INJURY AFTER INSTALLATION.

- A) DEPRESS PUSH BAR UNTIL STEP "B" IS COMPLETE.
- B) WHILE THE PUSH BAR IS DEPRESSED, MOVE COVER INWARD TOWARD THE PUSH BAR UNTIL COVER EDGE TOUCHES THE PUSH BAR END.
- C) MEASURE AND MARK BAR AND COVER PIECES AS NEEDED AND SHOWN.
- D) USE MASKING TAPE TO PROTECT AND SECURE THE COVER AND BAR SECTION WHEN CUT.
- E) CUT THE COVER AND BAR TO DESIRED LENGTH.
- F) CUTTING PROCESS IS COMPLETE.

## IF CUTTING BAR IS NEEDED

