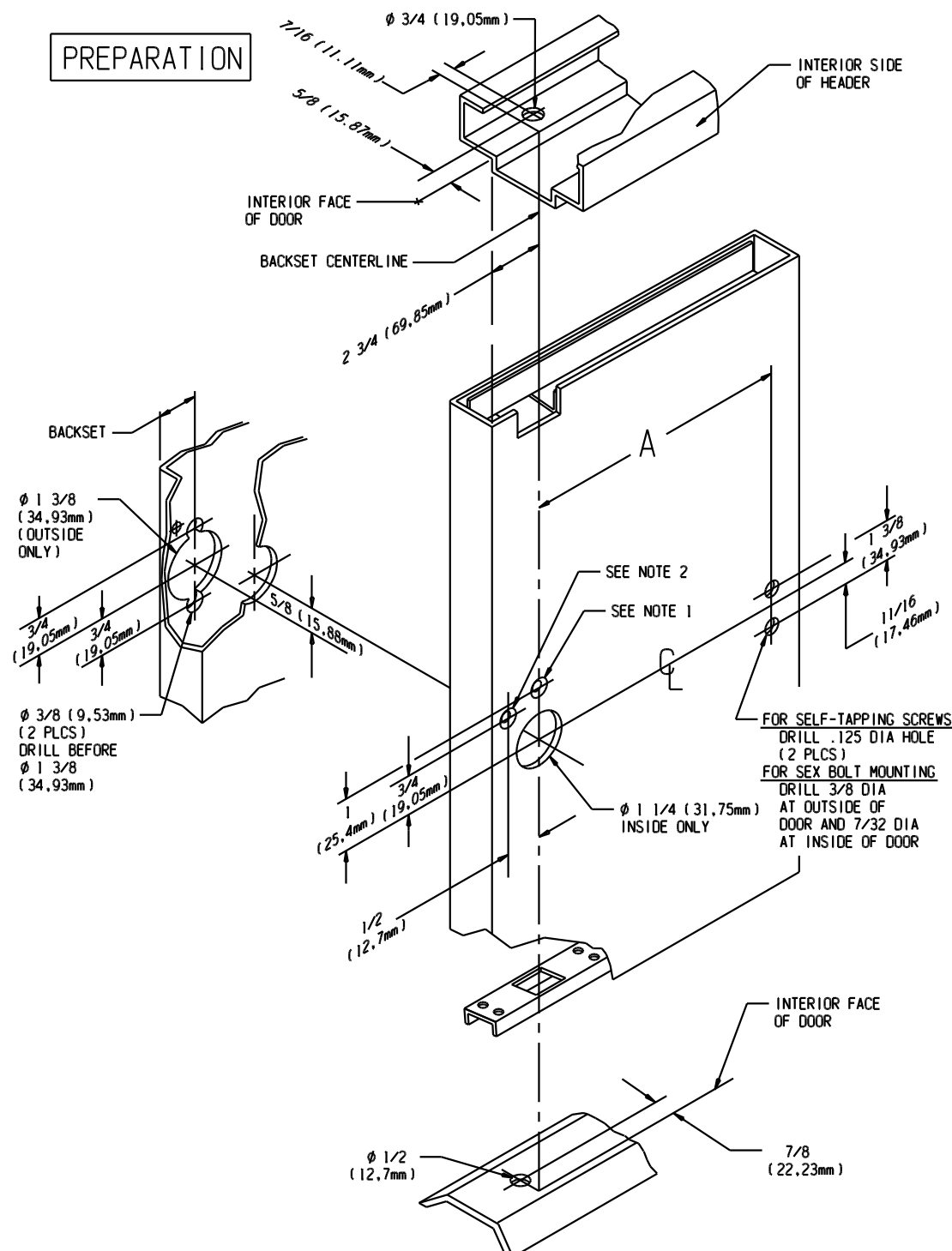
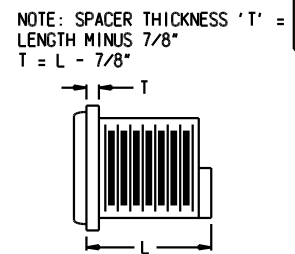
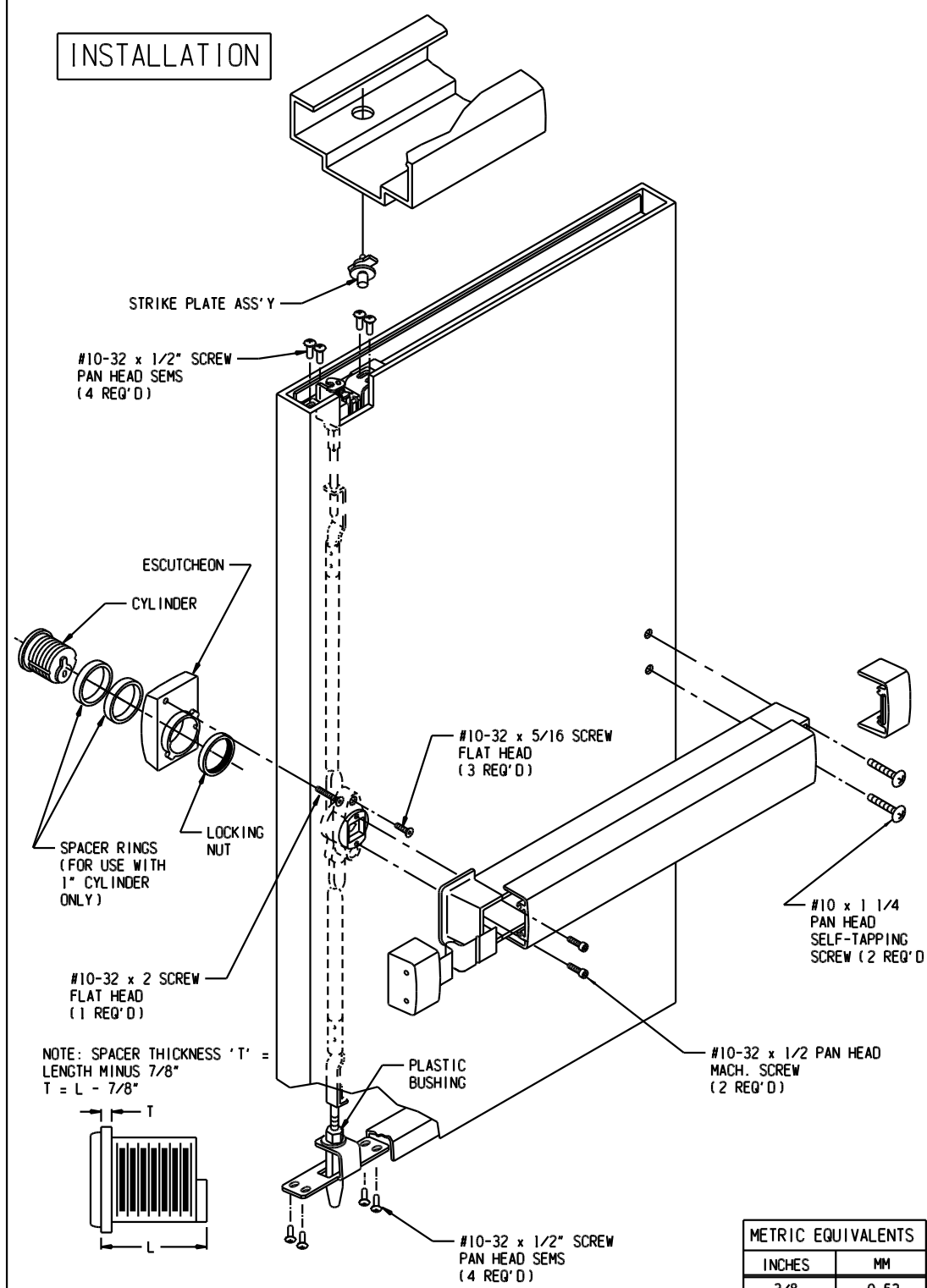


PREPARATION



- NOTES:**
1. DRILL $7/32$ DIA AND COUNTERSINK FOR A #10-32 FLAT HEAD SCREW.
 2. WHEN USING OUTSIDE CYLINDER, DRILL $7/32$ DIA FOR 10-32 SCREWS BOTH SIDES AND COUNTERSINK INTERIOR ONLY.
 3. THESE DIMENSIONS AND TEMPLATES ASSUME A DOOR THICKNESS OF 1.75" FOR DOORS OF OTHER THICKNESS, CONSULT FACTORY.

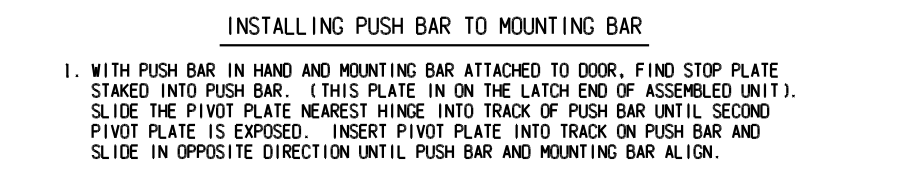
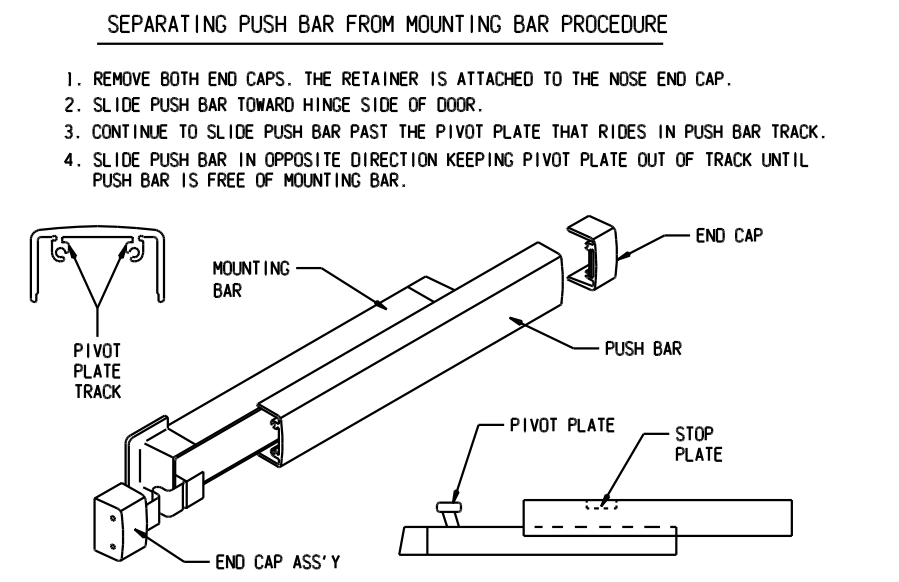
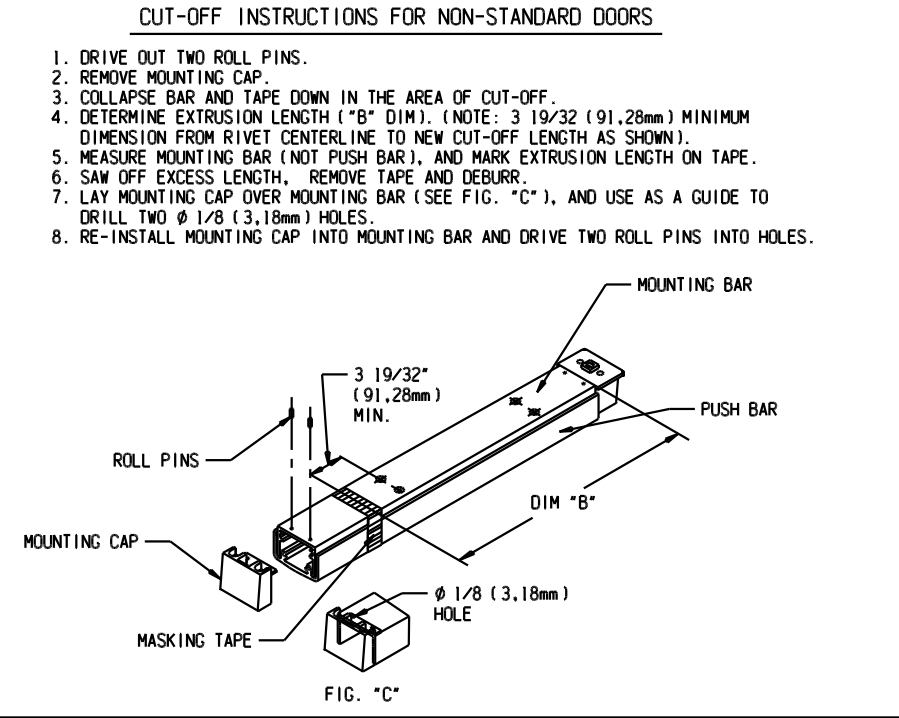
INSTALLATION



PRODUCT MUST BE INSTALLED ACCORDING TO ALL APPLICABLE BUILDING AND LIFE SAFETY CODES

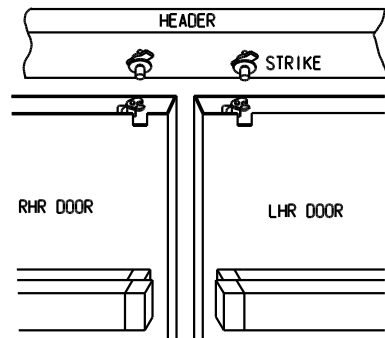
METRIC EQUIVALENTS	
INCHES	MM
3/8	9,53
1/2	12,70
5/8	15,87
1	25,40
2	50,80

		DOOR OPENING WIDTH			
		30" (768mm)	36" (914,4mm)	42" (1066,8mm)	48" (1219,2mm)
DIM A		24 1/4" (615,95mm)	30 1/4" (768,35mm)	36 1/4" (920,75mm)	42 1/4" (1073,15mm)



INSTALLATION INSTRUCTION CHECKLIST

ADAMS RITE SERIES 8500 EXIT DEVICE



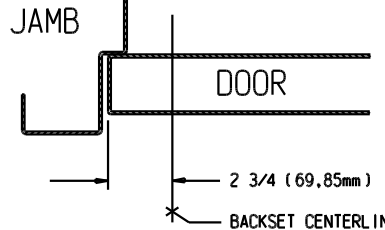
IMPORTANT!

This device is unhandled. It can be installed in either left hand reverse or right hand reverse doors without alteration. The doors' lead stile and header preparation are IDENTICAL *not* mirror image. Note in the sketch above that the yoke type bolt *always* faces right (as viewed from inside) and the strike post is toward the right of the backset centerline for *both* doors.

NOTE STEPS 1 THROUGH 9 ARE MORE EASILY ACCOMPLISHED IF DOOR IS NOT INSTALLED IN FRAME.

HOW TO FIND BACKSET

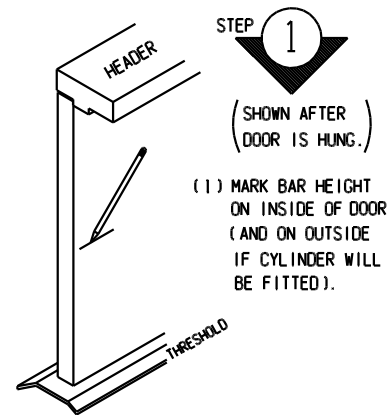
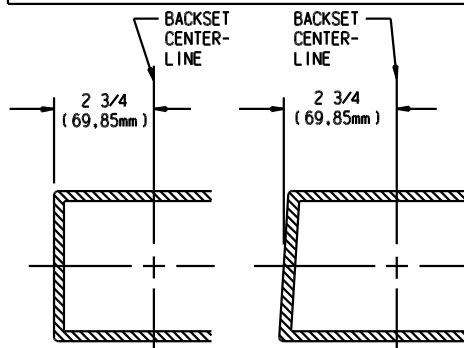
BACKSET CENTERLINE IS MEASURED FROM THE VERTICAL CENTERLINE OF THE LEADING EDGE OF THE DOOR.



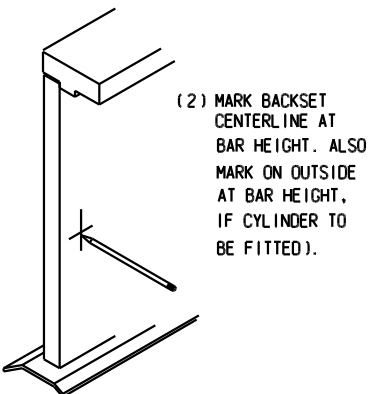
SINGLE DOOR



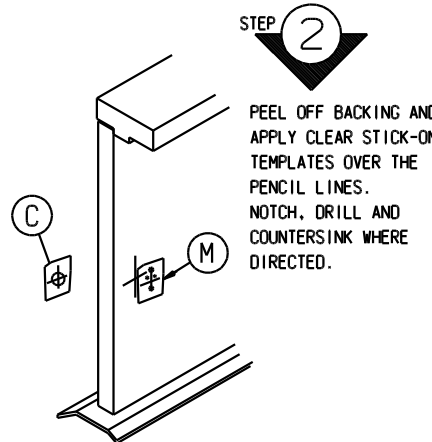
PAIR DOOR



STEP 1
(SHOWN AFTER DOOR IS HUNG.)
(1) MARK BAR HEIGHT ON INSIDE OF DOOR (AND ON OUTSIDE IF CYLINDER WILL BE FITTED).

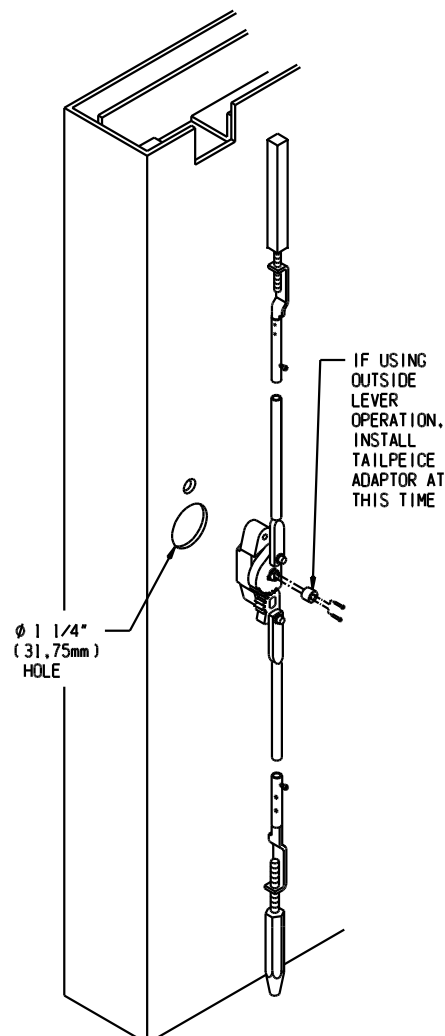


(2) MARK BACKSET CENTERLINE AT BAR HEIGHT. ALSO MARK ON OUTSIDE AT BAR HEIGHT, IF CYLINDER TO BE FITTED).

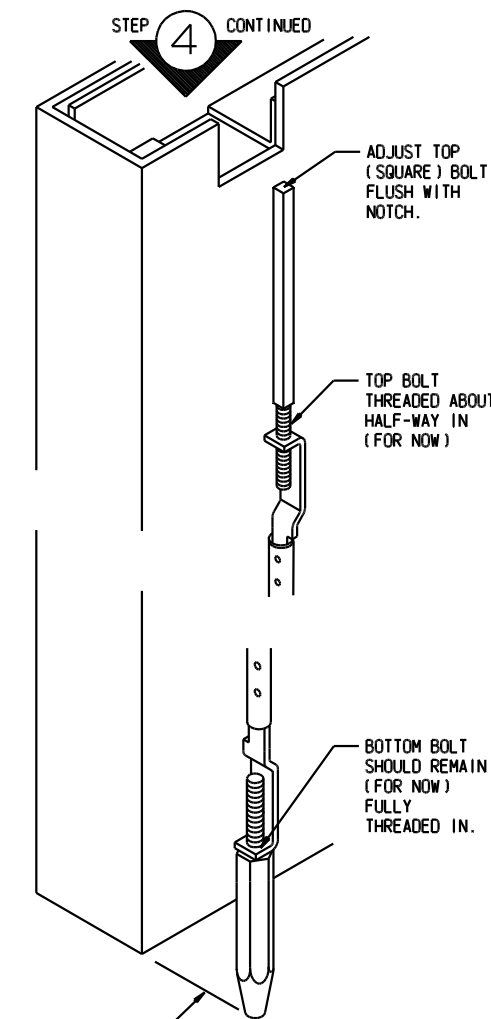
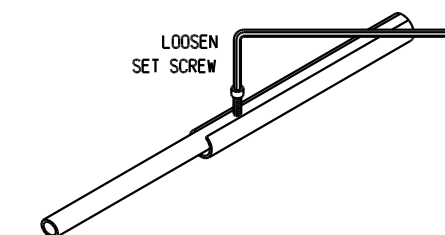


STEP 2
(3) PEEL OFF BACKING AND APPLY CLEAR STICK-ON TEMPLATES OVER THE PENCIL LINES. NOTCH, DRILL AND COUNTERSINK WHERE DIRECTED.

STEP 3
LAY ROD MECHANISM ON PREPARED DOOR WITH GEAR PLATES OUTWARD AND CASTING RESTING IN $\phi 1 \frac{1}{4}$ (31.75mm) HOLE IN DOOR AS SHOWN BELOW.

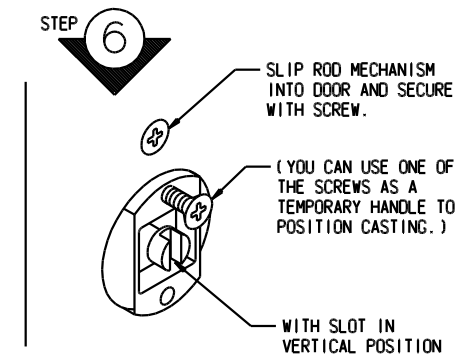
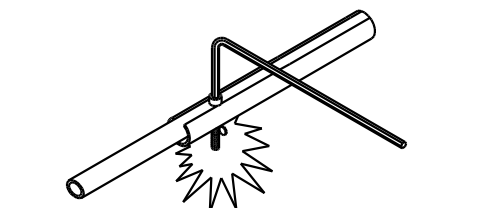


STEP 4
ADJUST RODS TO APPROXIMATE LENGTH.



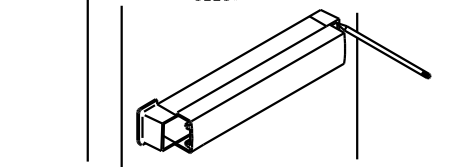
STEP 4 CONTINUED
ADJUST TOP (SQUARE) BOLT FLUSH WITH NOTCH.
TOP BOLT THREADED ABOUT HALF-WAY IN (FOR NOW)
BOTTOM BOLT SHOULD REMAIN (FOR NOW) FULLY THREADED IN.
ADJUST BOTTOM BOLT FLUSH WITH BOTTOM OF DOOR.
FOR 6'8" DOORS, REMOVE UPPER ROD FROM SLEEVE, PUT SET SCREW IN LOWER HOLE AND CUT OFF 5" FROM THE TOP OF THE UPPER ROD. INSERT THE ROD BACK IN THE SLEEVE AND ADJUST AS SHOWN ABOVE.

STEP 5
WHEN ROUGH ADJUSTMENT OF RODS IS CORRECT, TIGHTEN METAL-PIERCING SCREWS ALL THE WAY THRU TUBE. YES! ALL THE WAY THROUGH AND TIGHT.

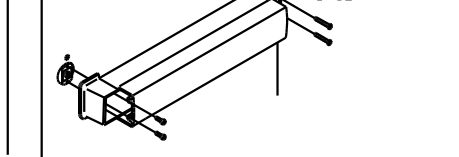


STEP 6
SLIP ROD MECHANISM INTO DOOR AND SECURE WITH SCREW.
(YOU CAN USE ONE OF THE SCREWS AS A TEMPORARY HANDLE TO POSITION CASTING.)
WITH SLOT IN VERTICAL POSITION

STEP 7
INSTALL CYLINDER KIT IF FITTED.

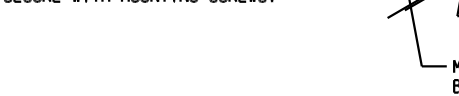


STEP 8
SECURE MOUNTING BAR TEMPORARILY IN LEVEL POSITION AND MARK HINGE SIDE FOR MOUNTING HOLES. REMOVE MOUNTING BAR AND DRILL HINGE SIDE HOLES.



STEP 9
INSTALL BAR WITH TWO #10 X 1/4 SELF-TAPPING SCREWS AT HINGE END AND TWO #10-32 X 1/2 MACHINE SCREW AT MOUNTING BASE.

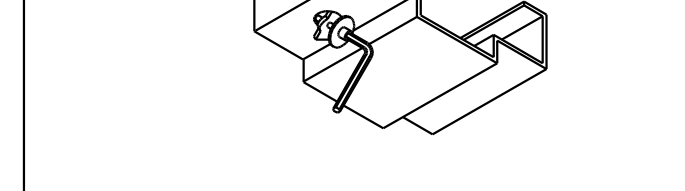
STEP 10
INSTALL THE TOP ACTUATOR ASSEMBLY ONTO THE SQUARE BOLT AS SHOWN. ADJUST THE SQUARE BOLT (CW TO LOWER - CCW TO RAISE) SO THAT THE SQUARE BOLT IS FLUSH WITH THE TOP OF THE STOP PLATE AND THE ACTUATOR MOUNTING BRACKETS SET ONTO THE TOP CHANNEL OF THE DOOR. ONCE THE ACTUATOR IS ADJUSTED PROPERLY SECURE WITH MOUNTING SCREWS.



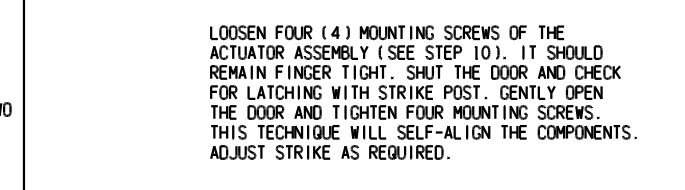
STEP 11
INSTALL DOOR IN FRAME. MARK BACKSET CENTERLINE ON HEADER AND THRESHOLD. ALSO MARK WHERE FACE OF CLOSED DOOR RESTS. APPLY CLEAR TEMPLATES (H) AND (F) AND DRILL STRIKE HOLES.



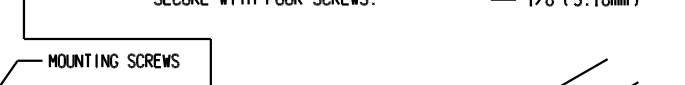
STEP 12
POSITION STRIKE PLATE ASSEMBLY INTO HEADER. THEN TIGHTEN SECURELY WITH HEX WRENCH. (TORQUE TO 100 IN-LBS MAX.)



STEP 13
LOOSEN FOUR (4) MOUNTING SCREWS OF THE ACTUATOR ASSEMBLY (SEE STEP 10). IT SHOULD REMAIN FINGER TIGHT. SHUT THE DOOR AND CHECK FOR LATCHING WITH STRIKE POST. GENTLY OPEN THE DOOR AND TIGHTEN FOUR MOUNTING SCREWS. THIS TECHNIQUE WILL SELF-ALIGN THE COMPONENTS. ADJUST STRIKE AS REQUIRED.



STEP 14
(1) HOLD DOOR OPEN.
(2) DEPRESS AND RELEASE PUSH BAR.
(3) ADJUST BOTTOM BOLT SO IT CLEARS THRESHOLD BY 1/8" (3.18mm) AS DOOR CLOSES.
(4) INSTALL BOTTOM GUIDE (PLASTIC BUSHING UP), AND SECURE WITH FOUR SCREWS.



STEP 15
INSTALL PUSH BAR END CAPS
SMALL "PHILLIPS"
10-32x 5/8 SELF-TAPPING SCREW

