

INSTRUCTIONS FOR PREPARING DOOR AND FRAME AND INSTALLATION OF FALCON MORTISE LOCKS

APPLIES TO MORTISE LOCKSETS
WITH LM, MM OR SM TRIM

**READ THESE INSTRUCTIONS CAREFULLY
BEFORE INSTALLING LOCKSET**

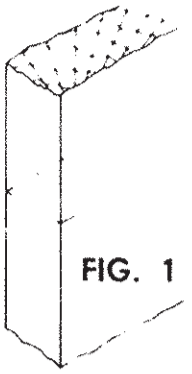


FIG. 1

1 DRAW A HORIZONTAL CENTERLINE ON BOTH SIDES AND EDGE OF DOOR AT THE DESIRED KNOB CENTER HEIGHT (FIG. 1).

NOTE: IF FRAME HAS ALREADY BEEN PREPARED FOR A FALCON STRIKE, INSTALL STRIKE AND USE STRIKE LIP AS A REFERENCE TO LOCATE THE HORIZONTAL CENTERLINE POSITION. MARK DOOR $\frac{3}{16}$ " BELOW BOTTOM OF STRIKE LIP AS ILLUSTRATED IN FIG. 2 AND DRAW HORIZONTAL CENTERLINES ON DOOR AT THIS POSITION AS ILLUSTRATED IN FIG. 1.

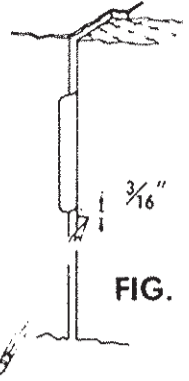


FIG. 2

LOCATING POSITION OF HORIZONTAL CENTERLINE WHEN FRAME HAS BEEN PREPARED FOR STRIKE

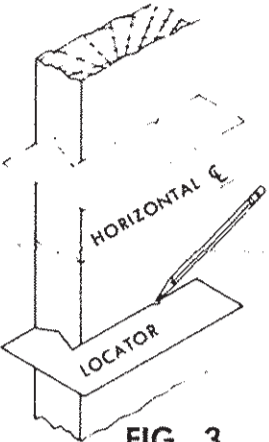


FIG. 3

LOCATING VERTICAL ϵ

2 USING THE BACKSET LOCATOR FURNISHED, MARK TWO POINTS ON EACH SIDE OF DOOR, ABOVE AND BELOW THE HORIZONTAL CENTERLINE. (FIG. 3) DRAW A VERTICAL LINE THROUGH THE TWO POINTS ON EACH SIDE OF DOOR.

3 DETACH TEMPLATE AND SEPARATE INTO TWO PARTS. POSITION CORRECT SIDE OF TEMPLATE ON OUTSIDE FACE OF DOOR, ALIGNING LOCATOR POINTS WITH HORIZONTAL AND VERTICAL LINES DRAWN ON DOOR AS ILLUSTRATED IN FIG. 4 AND . . . **CAUTION:** SPOT ONLY THOSE HOLES REQUIRED FOR LOCKSET BEING INSTALLED, SEE CHART BELOW FOR CORRECT HOLE PATTERN. MARK STRIKE LIP POSITION ON FRAME.

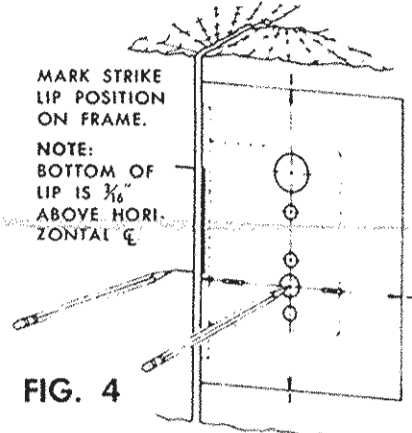


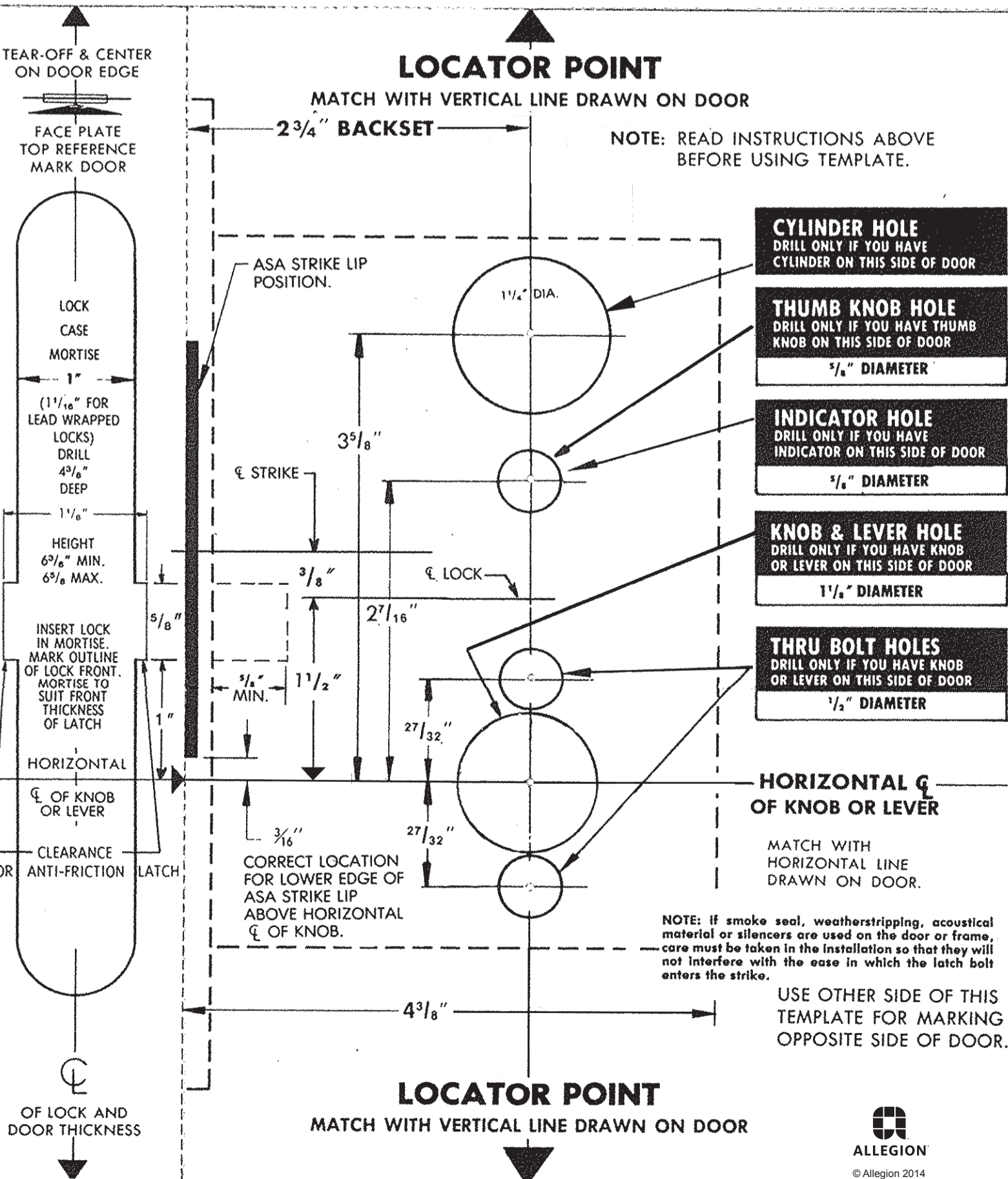
FIG. 4

CHART OF CORRECT HOLE PATTERN PER LOCK FUNCTION

LOCK FUNCTION CATALOG NUMBER	OUTSIDE			INSIDE			LOCK FUNCTION CATALOG NUMBER	OUTSIDE			INSIDE		
	CYLINDER HOLE	THUMB TURN HOLE	KNOB & TRIM HOLES	CYLINDER HOLE	THUMB TURN HOLE	KNOB & TRIM HOLES		M SERIES	CYLINDER HOLE	THUMB TURN HOLE	KNOB & TRIM HOLES	CYLINDER HOLE	THUMB TURN HOLE
M101/161			X			X	M711	X	X	X		X	X
M301/311/321		X ^①	X		X	X	M911/931	X			X ^②		
M361/371/381/411/421/811/821	X		X	X		X	M921	X					
M451	X	X ^②	X		X	X	M941	X				X	
M521/561/581/591/631/771/851/881	X		X			X	M961					X	
M531/541/551/571/621/641	X		X		X	X							

①DRILL ONLY WHEN EMERGENCY RELEASE IS REQUIRED. ②VISUAL INDICATOR. ③THREADED CYLINDER T-TURN (911)

INSTRUCTIONS CONTINUED ON OPPOSITE SIDE



INSTRUCTIONS FOR PREPARATION AND INSTALLATION (cont.)

(NOTE: INSTRUCTIONS BEGIN ON OPPOSITE SIDE)

4

USING THE OPPOSITE SIDE OF THE TEMPLATE, POSITION ON INSIDE FACE OF DOOR ALIGNING LOCATOR POINTS WITH HORIZONTAL AND VERTICAL LINES DRAWN ON DOOR AND SPOT REQUIRED HOLES.

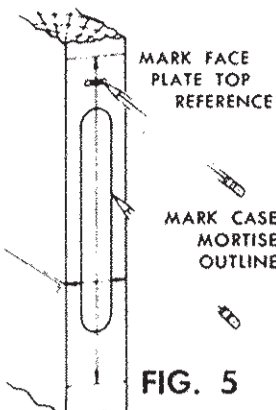


FIG. 5

5

CENTER THE DOOR EDGE PORTION OF THE TEMPLATE ON DOOR EDGE AND ALIGN THE HORIZONTAL LOCATOR POINTS WITH HORIZONTAL LINES DRAWN ON DOOR. MARK OUTLINE OF CASE MORTISE AND FACE PLATE TOP REFERENCE AS ILLUSTRATED IN FIG. 5.

6

MORTISE DOOR EDGE FOR LOCK CASE TO DIMENSIONS SHOWN ON TEMPLATE. INSERT LOCK IN MORTISE, (WITH FACE PLATE) ALIGN TOP OF FACE PLATE WITH REFERENCE MARK AND SCRIBE FACE PLATE OUTLINE AS ILLUSTRATED IN FIG. 6. MORTISE TO FRONT THICKNESS

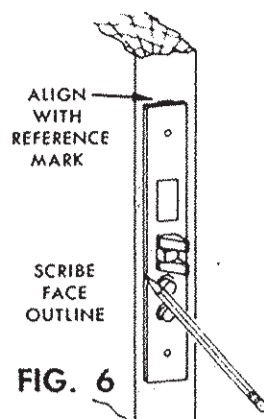


FIG. 6

7

DRILL REQUIRED SIDE HOLES THROUGH OUTSIDE AND INSIDE FACES OF DOOR. **CAUTION:** DRILL HOLES ONLY HALFWAY THROUGH DOOR FROM EACH SIDE.

8

STRIKE PREPARATION. DRAW A VERTICAL CENTERLINE ON THE FRAME ONE-HALF DOOR THICKNESS FROM STOP PLUS ANY REQUIRED ALLOWANCE FOR PAINT, WEATHERSTRIPPING, ETC. POSITION STRIKE ON FRAME, ALIGNING LIP WITH REFERENCE MARKS DRAWN ON FRAME AND CENTER MOUNTING HOLES ON VERTICAL LINE DRAWN ON FRAME, SCRIBE STRIKE OUTLINE. MORTISE TO STRIKE THICKNESS (3/2" DEEP). MARK LOCATION OF STRIKE OPENINGS OR STRIKE BOX, IF REQUIRED. MORTISE TO SUFFICIENT DEPTH TO ACCOMMODATE BOLTS OR STRIKE BOX.

LOCKSET INSTALLATION

- ★ ALL FALCON MORTISE LOCKS ARE PACKED COMPLETE WITH ALL NECESSARY SCREWS FOR INSTALLATION IN ANY COMBINATION OF WOOD OR METAL DOORS AND FRAMES.
- ★ ALL FALCON MORTISE LOCKS WITH KNOB TRIM HAVE THROUGH-BOLTED POST INDEXING FEATURE THAT PROVIDES SELF-ALIGNMENT AND FAST ATTACHMENT.

9

DRILL 1/8" DIA. PILOT HOLES FOR CASE ATTACHMENT SCREWS. ADJUST FRONT BEVEL AS REQUIRED BY LOOSENING SCREWS AT TOP AND BOTTOM OF CASE, SET BEVEL AND SECURELY RE-TIGHTEN SCREWS. INSTALL LOCK CASE.

10

ATTACH TRIM. REFER TO ENCLOSED TRIM ATTACHMENT INSTRUCTION SHEET FOR PROPER INSTALLATION OF KNOB AND CYLINDER TRIM. ATTACH FACE PLATE TO LOCK FRONT.

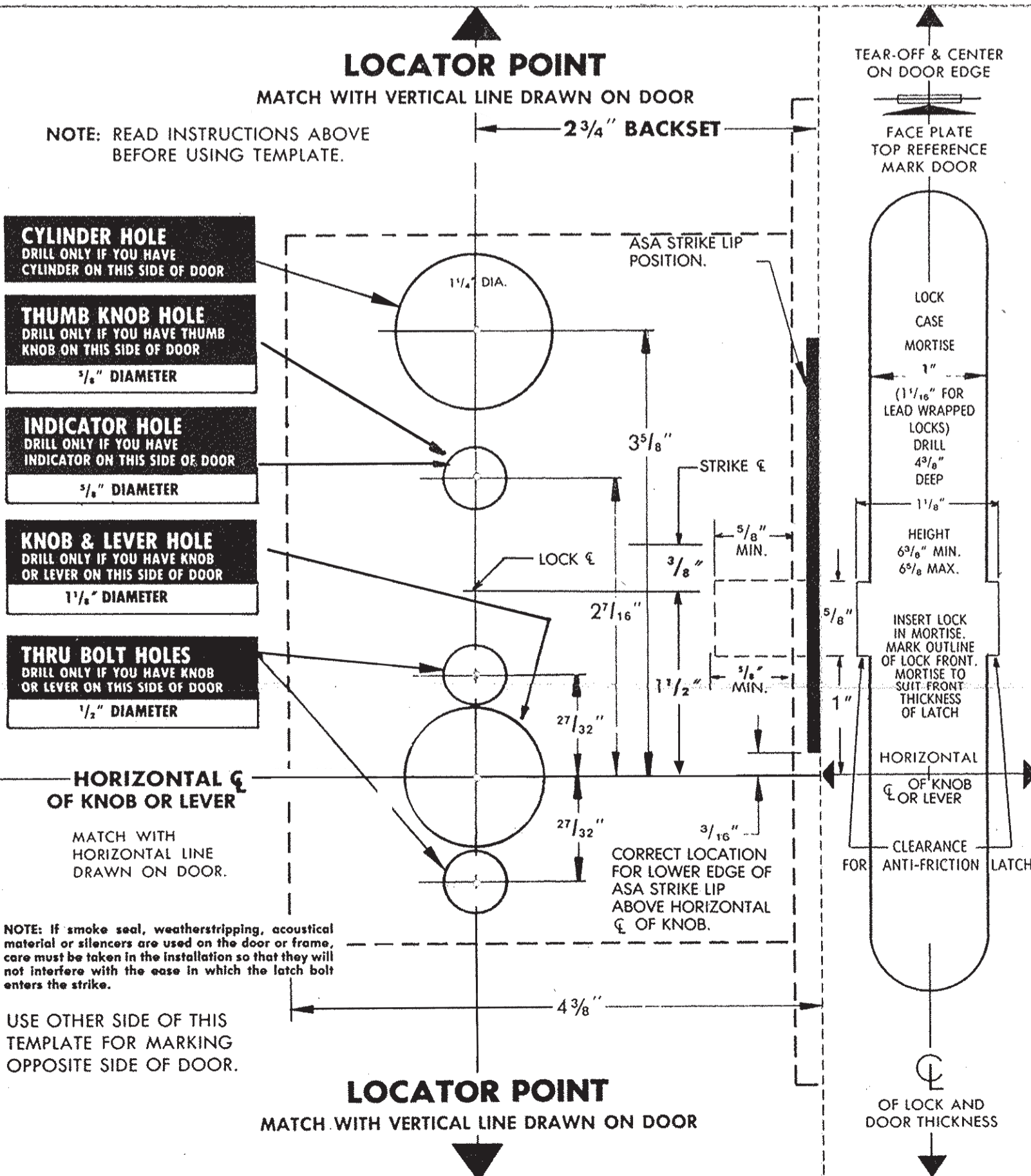
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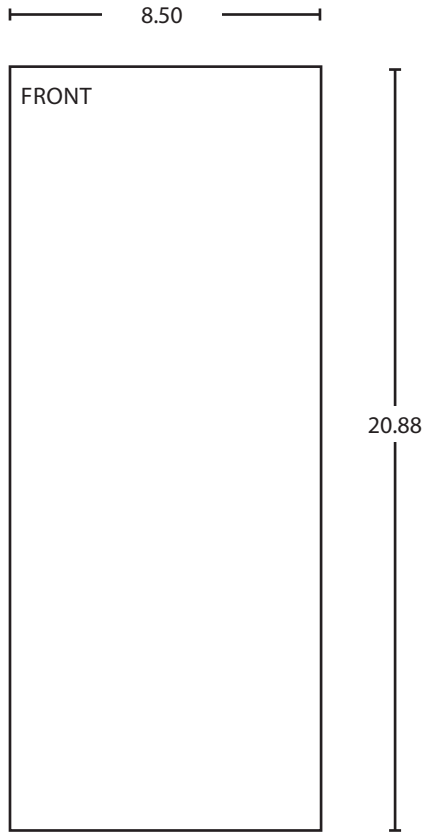
INSTALL STRIKE AND STRIKE BOX IF REQUIRED. CHECK TO BE SURE THAT BOLTS FULLY PROJECT INTO STRIKE OPENINGS.



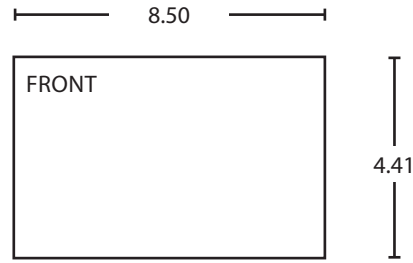
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FALCON





BEGINNING SHEET



FOLDED SHEET

Additional Notes:
1. None

Revision History						Revision Description: D > Revised artwork					
A	B	C	D	E	F						
5598	6325	000142									
Material						Edited By		Approved By		EC Number	Release Date
50# White Paper						J. Ellis		M. Roberts		xxxxx	10/14
Notes						Title					
1. printed both sides						Instruction Sheet, Mortise					
2. printed black						Creation Date		Number		Revision	
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