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

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 UP AS A REFERENCE TO LOCATE THE HORIZONTAL CENTERLINE POSITION. MARK DOOR 5/8" BELOW BOTTOM OF STRIKE UP AS ILLUSTRATED IN FIG. 3 AND DRAW HORIZONTAL CENTERLINES ON DOOR AT THIS POSITION AS ILLUSTRATED IN FIG. 1.

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 UP POSITION ON FRAME.

CHART OF CORRECT HOLE PATTERN PER LOCK FUNCTION

LOCK FUNCTION CATALOG NUMBER OUTSIDE HEIGHT INSIDE CATALOG NUMBER OUTSIDE HEIGHT INSIDE
M103/1/61 X X X MX111/451 X X X M911/031 X X X M921 X X M941 X X M961 X X M22/54/033/01/37/63/63/61/641 X X X

(1) ONLY ALL WHEN EMERGENCY RELEASE IS REQUIRED. (2) VERTICAL INDICATOR. (3) THREADED CYLINDER TURN-TURN (3/4)

INSTRUCTIONS CONTINUED ON OPPOSITE SIDE

LOCATOR POINT MATCH WITH VERTICAL LINE DRAWN ON DOOR

2 1/8" BACKSET NOTE: READ INSTRUCTIONS ABOVE BEFORE USING TEMPLATE.

CYLINDER HOLE DRILL ONLY IF YOU HAVE CYLINDER ON THIS SIDE OF DOOR

THUMB KNOB HOLE DRILL ONLY IF YOU HAVE THUMB KNOB ON THIS SIDE OF DOOR

INDICATOR HOLE ONLY IF YOU HAVE AN INDICATOR ON THIS SIDE OF DOOR

HORIZONTAL OFFSET OF KNOB OR LEVER MATCH WITH VERTICAL LINE DRAWN ON DOOR

LOCATOR POINT MATCH WITH VERTICAL LINE DRAWN ON DOOR

 future sensor, weatherstripping, excaitable material or excesses are used on the door or frame... care must be taken in the installation so that they will not interfere with the ease with which the latch bolt enters the strike.

USE OTHER SIDE OF THIS TEMPLATE FOR MARKING OPPOSITE SIDE OF DOOR.
INSTRUCTIONS FOR PREPARATION AND INSTALLATION (cont.)
(NOTE: INSTRUCTIONS BEGIN ON OPPOSITE SIDE)

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.

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.

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 SCREWS FACE PLATE OUTLINE AS ILLUSTRATED IN FIG. 6. MORTISE TO FRONT THICKNESS.

DRILL REQUIRED SIDE HOLES THROUGH OUTSIDE AND INSIDE FACES OF DOOR.

STRIKE PREPARATION. DRAW A VERTICAL CENTERLINE ON THE FRAME ONE-HALF DOOR THICKNESS FROM STOP PLUS ANY REQUIRED ALLOWANCE FOR PAINT, WEATHERSTRIPPING, ETC. POSITIVE STRIKE ON FRAME. ALIGNING UP WITH REFERENCE MARKS DRAWN ON FRAME AND CENTER MOUNTING HOLES ON VERTICAL LINE DRAWN ON FRAME, SCREWS STRIKE OUTLINE AND MORTISE TO STRIKE THICKNESS (1/8" DEEP). MARK LOCATION OF STRIKE OPENINGS OR STRIKE BOX, IF REQUIRED. MORTISE TO SUPPLEMENTARY THICKNESS 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 WITHOUT KNOB TRIM HAVE THROUGH-BOLED POST INDEXING FEATURE THAT PROVIDES SELF-ALIGNMENT AND FAST ATTACHMENT.

DRILL 1/4" 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 RETIGHTEN SCREWS. INSTALL LOCK CASE.

ATTACH TRIM, REFER TO ENCLOSED TRIM ATTACHMENT INSTRUCTION SHEET FOR PROPER INSTALLATION OF KNOB AND CYLINDER TRIM.

ATTACH FACE PLATE TO LOCK FRONT.

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

LOCATOR POINT MATCH WITH VERTICAL LINE DRAWN ON DOOR

NOTE: READ INSTRUCTIONS ABOVE BEFORE USING TEMPLATE. 2 1/4" BACKSET

CYLINDER HOLE DRILL ONLY IF YOU HAVE THUMB KNOB OR LEVER BASED ON THE SIDE OF DOOR.

THUMB KNOB HOLE DRILL ONLY IF YOU HAVE THUMB KNOB ON THE SIDE OF DOOR.

1/2" DIAMETER

INDICATOR HOLE DRILL ONLY IF YOU HAVE AN INDICATOR ON THIS SIDE OF DOOR.

1/4" DIAMETER

KNOB & LEVER HOLE DRILL ONLY IF YOU HAVE KNOB OR LEVER BASED ON THE SIDE OF DOOR.

1/4" DIAMETER

THRU BOLT HOLES DRILL ONLY IF YOU HAVE A THRU BOLT BASED ON THE SIDE OF DOOR.

1/4" DIAMETER

HORIZONTAL OF KNOB OR LEVER MATCH WITH HORIZONTAL LINE DRAWN ON DOOR.

LOCATOR POINT MATCH WITH VERTICAL LINE DRAWN ON DOOR

NOTE: USE OTHER SIDE OF THIS TEMPLATE FOR MARKING OPPOSITE SIDE OF DOOR.