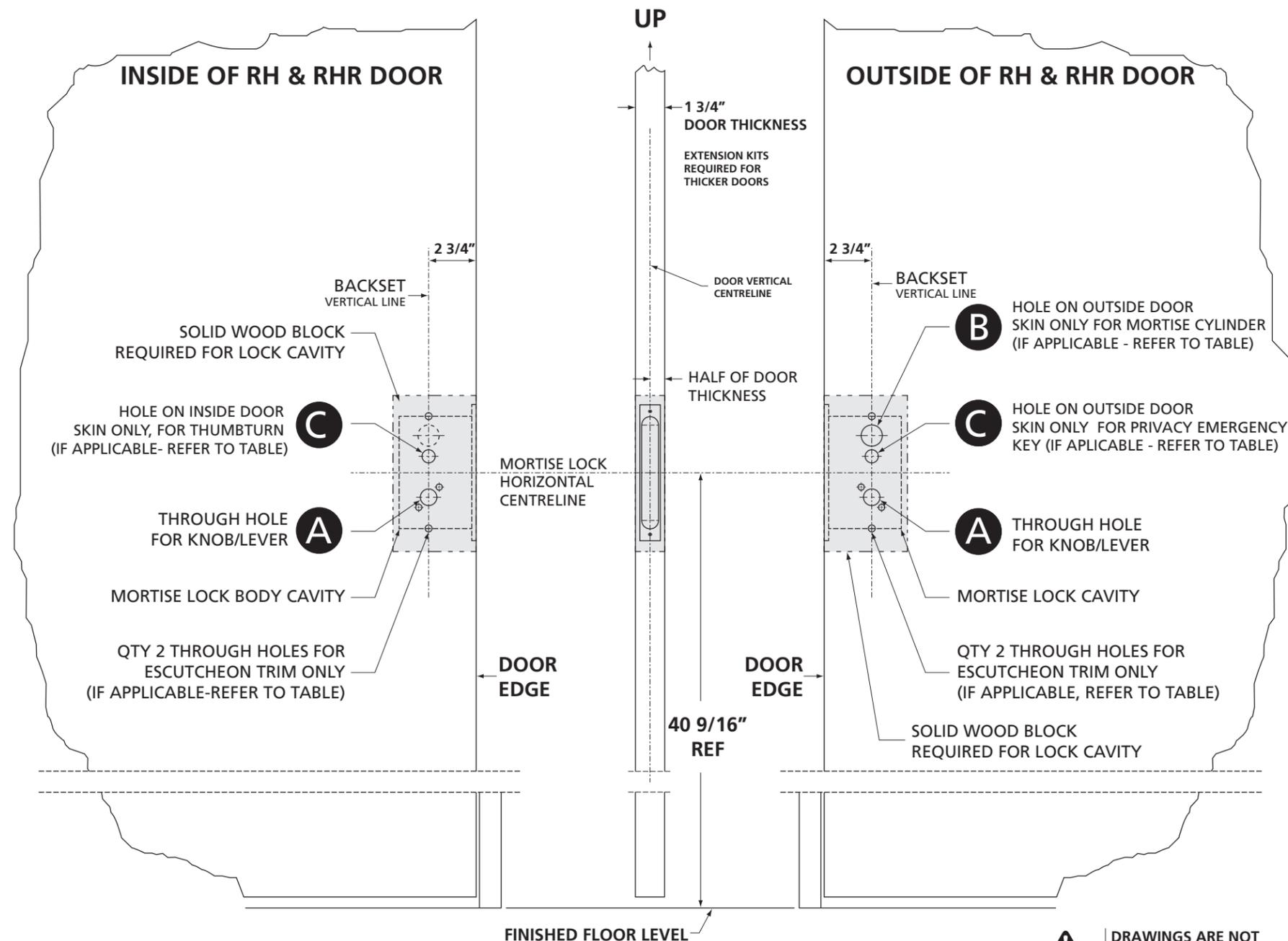


# WOOD DOOR PREPARATION FOR DM SERIES MORTISE LOCK

- NOTES:**
1. Supplied door preparation is suitable for wood, laminate flush faced and wood stile doors 1 3/4" (44.5 mm) thick.
  2. Wood stile doors require an area of solid wood at least 5x10" (127 x 254 mm) in order to accommodate the lock cavity, and prevent door surfaces from compressing inward when lock trim is tightened. Door surface pressure on the lock body may affect the lock's smooth operation and cause component jamming or malfunction.
  3. Hollow metal doors require reinforcement to support the lock body in the center of the door edge cavity, and prevent the door surfaces from compressing inward when lock trim is tightened (consult your sales representative for details).
  4. For accurate hole position, it is recommended that the door and frame preparation is done at the door and frame fabrication shop.
  5. The strike's vertical position and cavity must be properly aligned with the lock's latch and deadbolt (when applicable). The strike centerline height position with respect to the lock body centerline must be within the specified limits, as shown on sheet 2.
  6. Before drilling or boring holes, consult the Door Preparation Table to determine the holes that need to be bored or drilled for the appropriate door handing and lock function.
  7. Door cavity for lock body must be parallel to the door surface within  $\pm 0.03"$ .
  8. In bevel door applications the backset is measured from the centerline of the bevel (center door thickness).
  10. When door gasketing or silencers are used proper allowance must be made for the strike location to ensure latch and deadbolt engage properly with strike.



# DOOR PREPARATION TABLE

DM SERIES	TRIM					
	OUTSIDE			INSIDE		
	KNOB/LEVER HOLE	CYLINDER HOLE	EMERGENCY KEY HOLE	KNOB/LEVER HOLE	CYLINDER HOLE	THUMB-TURN HOLE
HOLES	A	B	C	A	B	C
DM10 PASSAGE	■			■		
DM42 PRIVACY	■		■	■		■
DM45 ENTRANCE	■	■		■		■
DM50 OFFICE	■	■		■		
DM56 DORMITORY	■	■		■		■
DM70 CLASSROOM	■	■		■		
DM80 STOREROOM	■	■		■		
DM84 STOREROOM WITH DEADBOLT	■	■		■		■
DM172 DUMMY BACK TO BACK	■			■		

**DISCLAIMER:**

The supplied door preparation information is based on latest product configuration and within industry dimensional tolerances. Dorex reserves the right to change or update the door preparation data at any time. It is the responsibility of the user to ensure that the latest document revision is used by contacting his Dorex representative.

<b>DOREX</b> www.dorex.com	DATE: 15 OCT 2007
TITLE: DOOR AND FRAME PREPARATION FOR MORTISE LOCKS (1-3/4" THICK WOOD DOORS)	REVISION: 8 REVISION DATE: 10 AUGUST 2018
TOLERANCES: SEE SHEET 2	DOCUMENT NO: CAN-DM-DP-W
	SHEET 1 OF 2

**CAUTION:** DRAWINGS ARE NOT AT FULL SCALE. DO NOT USE AS TEMPLATE.

# WOOD DOOR PREPARATION FOR DM SERIES MORTISE LOCK

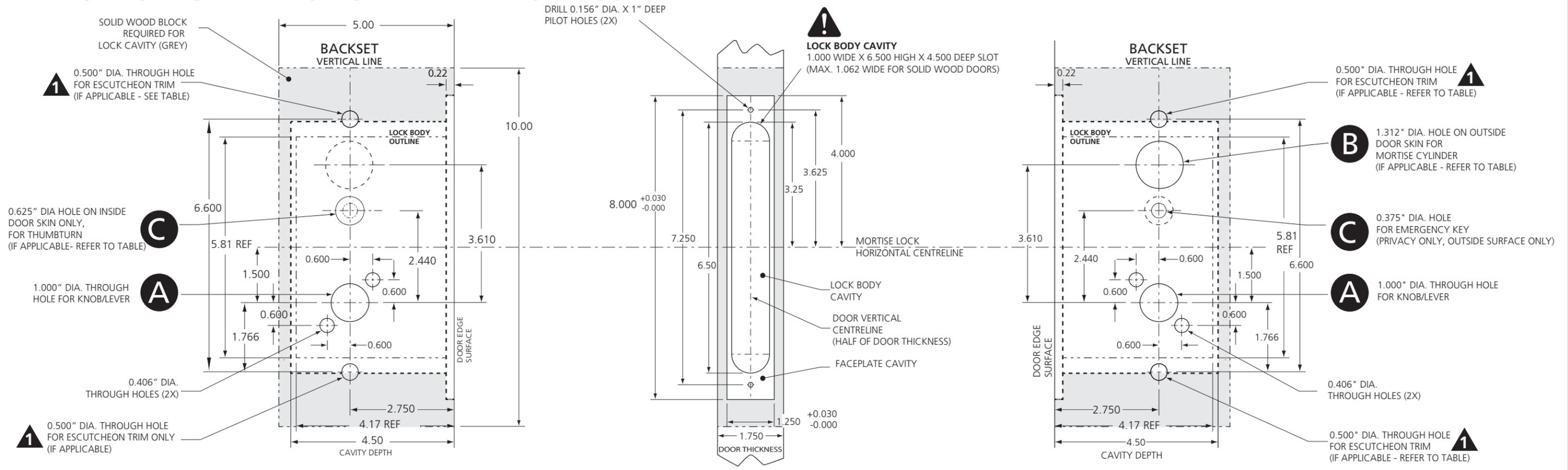


**DRAWINGS ARE NOT AT FULL SCALE. DO NOT USE AS TEMPLATE.**

- NOTES:**
- BEFORE DRILLING OR CUTTING CONSULT TRIM STYLE AND TABLE (ON SHEET 1) INDICATING LOCK FUNCTION
  - LOCK BODY AND FACEPLATE CAVITIES MUST BE CENTERED TO BOTH HORIZONTAL AND VERTICAL CENTERLINES (WITHIN  $\pm 1/32"$ )
  - FOR 1 3/4" (44.5mm) DOOR THICKNESS

## INSIDE OF RIGHT HAND & RIGHT HAND REVERSED DOOR

## OUTSIDE OF RIGHT HAND & RIGHT HAND REVERSED DOOR



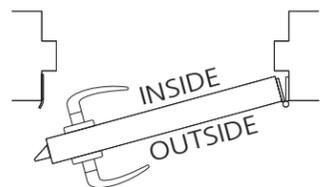
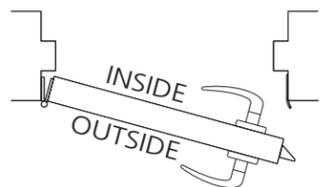
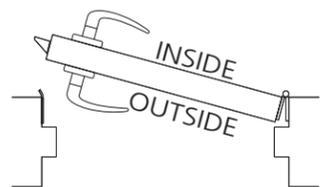
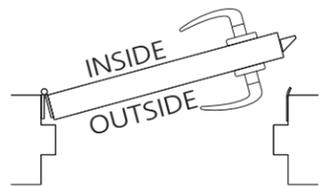
ALL DIMENSIONS ARE IN INCHES

**CAUTION:** IF ESCUTCHEON TRIM IS USED, DRILL THE ESCUTCHEON MOUNTING HOLES PRIOR TO MAKING THE LOCK BODY CAVITY

## HANDING OF DOOR - ORIENTATIONS

LEFT HAND (LH)

RIGHT HAND (RH)



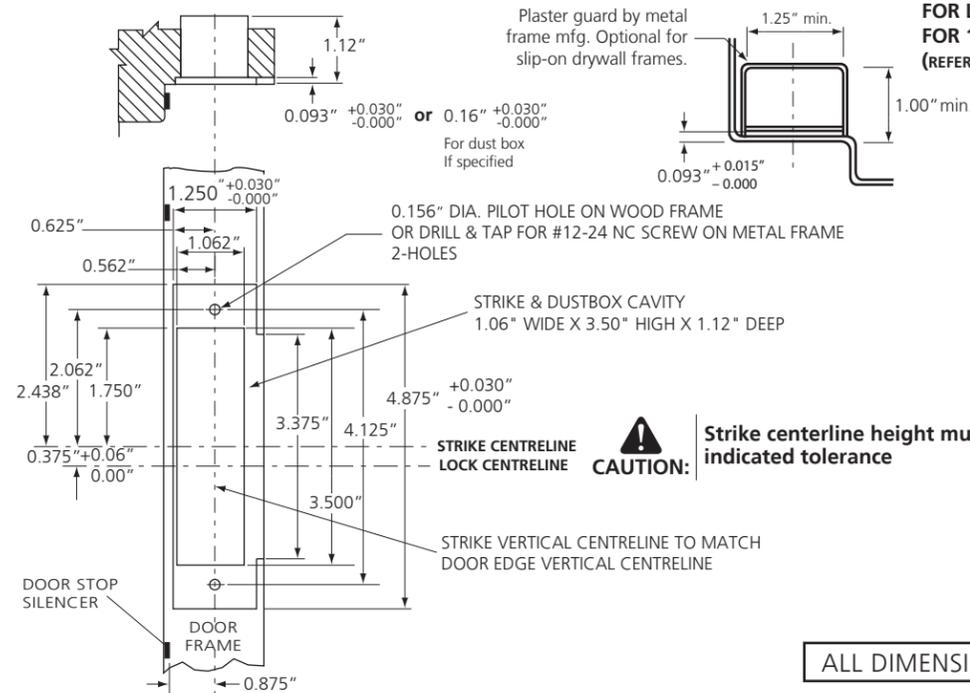
LEFT HAND REVERSED (LHR)

RIGHT HAND REVERSED (RHR)

### WOOD FRAME SECTION

### METAL FRAME SECTION

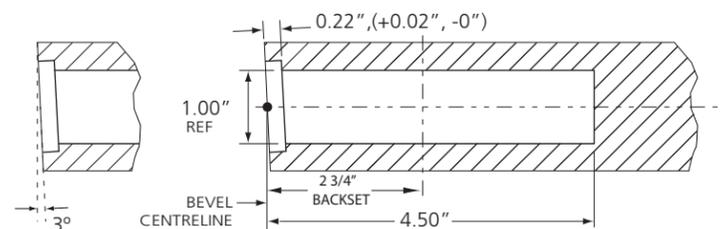
### FRAME PREPARATION FOR LOCK STRIKE FOR 1-3/4" THICK DOOR (REFER TO ANSI A156.115W)



**CAUTION:** Strike centerline height must be within indicated tolerance

ALL DIMENSIONS ARE IN INCHES

### IF BEVELED DOOR IS USED



<b>DOREX</b> www.dorex.com	DATE: 15 OCT 2007
TITLE: DOOR AND FRAME PREPARATION FOR MORTISE LOCKS (1-3/4" THICK WOOD DOORS)	REVISION: 9
	REVISION DATE: 16 OCT 2019
	DOCUMENT NO: CAN-DM-DP-W
TOLERANCES: UNLESS OTHERWISE SPECIFIED	SHEET 2 OF 2