1 Mortise Installation

- When the cylinder application is used, the paddle on the key side may be mounted in the down or horizontal position.

OR

- When the thumbturn application is used, paddles must be mounted in the horizontal position only.

1a Use templates #1 and #2 to check holes.

- NOTE: If the door holes do not match the template, see the Door Preparation section.
- NOTE: Use a chisel to make a pocket for the stud plates that are installed in Step 2.

1b Install stud plates.

- NOTE: Additional notching to the back of the mortise hole is necessary to install the stud plates.

1c For HL6ML (lead lined) ONLY, install the lead plate.

- NOTE: Additional door preparation may be needed to install the HL6ML.

1d Install the mortise lock.

- NOTE: To reverse the latch, pull out and rotate 180°.

1e Install the cylinder or thumbturn, as required.

- NOTE: 1-¼” mortise cylinder with clover cam to be used on all functions except the L9060 outside, which requires a straight cam.
1f Position cams as shown.

1g Install push and pull levers.

1h Install covers and armor front.

1i Install strike.

1. **NOTE**: If the frame is not prepared, see the Frame Preparation below.

2 Frame Preparation

2a Locate strike center lines (pic) on frame.

2b Mark the frame using template #3.

2c Drill and mortise the frame per the template.
3 Door Preparation

3a Mark center lines (CL).

3b Mark the door using Templates #1 and #2.

3c Drill and mortise the door per the template.

4 Cylinder Preparation

Cylinder Hole 2%4" (54 mm)

Lock CL

5 Thumbtnut Preparation

Thumbturn Hole 1" (25 mm)

Lock CL

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Template 1

- Recess 7/32" (6mm) Deep
- 1" (25mm) Holes
- 4 1/2" (114mm) Deep

Template 2

- 1¼" (44 mm)
- 3¾" (86 mm)

Template 3

- 1" (25 mm) Holes
- 1½" (29 mm) Deep

Wood - 1/8" (3 mm) Pilot Drill
Metal - 1/16" (#16 Bit) Drill, #12-24 Tap

FOR HORIZONTAL PADDLE INSTALLATION

- 1 ½" x 8" x 7/32"
  Standard
- 1 ⅞" x 8" x ⅛"
  Optional

FOR VERTICAL PADDLE INSTALLATION

- ⅝" (16 mm)
- ⅝" (10 mm)

Wood - ⅛" (3 mm) Pilot Drill
Metal - 1/16" (#16 Bit) Drill, #12-24 Tap

1 ½" (38 mm)

1 ⅞" (44 mm)

8" (203 mm)
**INSTALLATION INSTRUCTIONS HL6-9000 PUSH/PULL MORTISE LATCH**

**Title:** INSTALLATION INSTRUCTIONS HL6-9000 PUSH/PULL MORTISE LATCH

**Creation Date:** N/A

**Number:** 829695-00

**Revision:** G

**Created By:** N/A

**Activity:** 3899 Hancock Expwy

**Security, CO 80911**

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**Revision History:**

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**Material:** White Paper

**Notes:**

1. printed two sides
2. printed black
3. tolerance ± .13
4. printed in country may vary
5. drawings not to scale

**Revision Description:**

G > Revised artwork

**Edited By:** D. Toppins

**Approved By:** M. Sasso

**EC Number:** xxxxx

**Release Date:** 05-11-18

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**Additional Notes:**

1. None

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