D&M INDUSTRIES

ESOP

EXTERIOR DOOR INSTALLATION

Using Installation Clips

WARNING: Failure to install this unit in accordance with design profession or product manufacturers instructions will have a direct effect on the unit's performance and/or long term wear. Installer must be experienced in performing work required for this project. Warrenty claims are subject to site inspection by a qualilfied manufacturer's representative to establish probable cause and propose corrective action.

1 PREPARE AND WATERPROOF ROUGH OPENING

A clean, level, solid sub-floor area is essential to successful installation

ENSURE THE FOLLOWING ARE MET:

! CLEAN, CLEAR WORK AREA

- Rough opening (RO) that is 1” wider and 1/2” taller than the outside frame dimensions of the door unit.
  - NOTE: Please consult your local and state building codes. Geographic locations in impact zones may limit your rough opening to no more than 1/4” greater than the overall unit dimension.
- RO is plumb, square, and level.
- The old door frame has been completely removed if installation is a retro fit.
- The existing sub-floor is at least 6” deep for 4-9/16” frames and at least 8” deep for 6-9/16” frames.

! A solid, level sub-floor is essential for proper door unit installation. DO NOT proceed with installation until the sub-floor is solid and level.

2 CAULK THE SUB-FLOOR

Caulk is applied in three parallel lines running the width of the sill

! **Variations in threshold design may require caulk lines be applied directly to the bottom of the door unit to ensure weather-seal. Inspect the bottom of the door unit to confirm it as a flat surface before caulking the sub-floor area.**

Apply three 1/4” lines of caulk along the length of the sub-floor, the first line starting approximately 1” from the inside edge. The lines should be about 1” apart as shown in figure 1.

Figure 1

3 LEVEL AND FASTEN

- Pull out the six installation clips as seen in figures 2a and 2b
- On pre-clad units, flip out the nailing fin as shown on figure 3.

! **Standing on the outside of the door, lift the unit into place and center it inside of the opening. Use a level.**

- Secure the door to the opening
  - For nailing fin units, from the outside, screw the nailing fin starting with the uppercorners and moving down. Screws should be every 12-16”
  - For wood brick mould units, place appropriate screws through brickmould every 12-16”

! <u>Check frequently with a level to ensure door remains centered and level</u>

- Move to the inside of the door and bend unstallation clips 90 degrees to be up agaisnt the frame as shown in figure 4.
- Check to see that the door remained level and secure the door to the frame using all providing installation clips as shown in figure 5.
- Stand back and inspect door reveals and margins to ensure 1/8” gap. If adjustments are needed, use the installation clips by moving them forward or backwards.

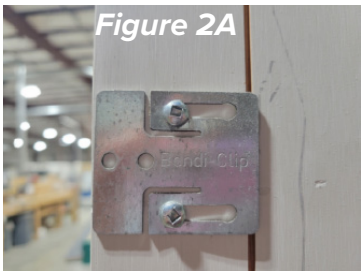

Figure 2A

Figure 2B

Figure 3

Figure 4

Figure 5

4 INSTALL CORNER PADS / CENTER HINGE SCREWS

- Install longer screws into the center holes of the hinges for additional security as shown in figure 6.
- Install provided corner pads above the sill, taking care to remove sill tabs and pull back weatherstrip as shown in figure 7.

Figure 6

Figure 7

5 REMOVE SILL COVER

- Lift off the front of the sill cover
- Starting in one corner, gently lift the sill cover and completely remove as shown in figure 8.

Figure 8

6 INSTALL DEADBOLT AND STRIKE PLATE

- Secure the latch plate to the door slab using the provided screws from the lock manufacturer
- Install the deadbolt strike plate at the correct location, per manufacturer provided instructions

7 INSTALL DEADBOLT AND STRIKE PLATE

- Insulate around the top and sides of the door unit in the cavity between the jamb and wall studs with fiberglass blanket insulation.
- Install the interior and/or exterior trim around the door.

! Proceed with caution if using expandable type of foam. It may cause the door jambs to warp; may leave the door inoperable or push the brickmould away from the lambs.

8 INSTALL LATCH AND DEADBOLT

- The latch and deadbolt are installed per the hardware manufacturer installation detail.

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