**INSTALLATION INSTRUCTIONS FOR PREHUNG ENTRY DOORS**

**IMPORTANT:** Read and understand the entire procedure before attempting to install the unit. Please note that this is a supplemental instruction. Installation instructions will also be attached to the purchased unit.

### STEP 1. SELECT DOOR AND SIDELITE COMBINATIONS

- All doors pictured assume you are standing on the outside of the building.
- Door sizes used for this form are: 32" x 80" and 36" x 80".
- Rough openings are calculated using 14" wide sidelites:
  - Deduct 2" from the rough opening width for each 12" sidelite or deduct 3-3/4" from RO width for each 10" sidelite.
- RO = Rough Opening (door viewed from the outside of building)
- Rough Opening Heights:
  - Inswing - 82",
  - Outswing - 81 1/8"
- When selecting a transom consult a store associate for rough opening height specification.

### STEP 2. DETERMINE DOOR FRAME SIZE

- RO WIDTH
- RO HEIGHT

### STEP 3. DETERMINE DOOR SWING

- All double door systems allow for both doors to open. However, during normal usage one door is stationary (inactive door) while the other door opens and closes (active door).
- Outswing units supplied with a bumper type threshold.
- All doors pictured assume you are standing on the outside of the building.

### STEP 4. TOOLS AND SUPPLIES

- Level (24")
- Exterior Bethlehem cove casing
- 3" galvanized fresh nails
- Caulking gun
- Exterior caulking
- Wooden shims
- Nail set
- Phillips Screwdriver
- Framing Square (24")
- Framing square, hammer, nail set, 3" galvanized finishing nails, 10-2" plated wooden shims, wood filler, putty knife, caulking-grease, exterior caulk, measuring tape and philips screwdriver.

### STEP 5. COMPONENTS OF A PREHUNG ENTRY DOOR UNIT

- A - Primed Jamb
- B - Compression Weatherstripping
- C - Thermally Broken Sill
- D - Door Sweep (installed)
- E - Screw Bag
- Installation Instructions
- F - Hinges (3)
- G - Lock Side Jamb
- H - Hinge Side Jamb
- I - Header
- J - Glass Insert

### STEP 6. ROUGH AND PLUMB STUD OPENING

- Make sure:
  - i) The threshold is level
  - ii) The hinge side of the rough opening is plum.
  - iii) The head is square to the hinge side of the rough opening.

### STEP 7. APPLY WATER PROOF CAULKING

- Using a 3" finishing nail, apply a bead of caulk at the bottom of the unit.
- Note: Units are typically shipped with a protective coating on all surfaces to prevent damage during shipment. Be sure to remove the protective coating before installation.

### STEP 8. INSTALL PREHUNG UNIT INTO ROUGH OPENING

- Center the prehung unit into the rough opening, sill first. Don’t disturb the caulking compound.

### STEP 9. TEMPORARILY NAIL HINGE SIDE OF FRAME

- Starting about 6" from the top of the frame, hold the hinge side in place first, through the jambs and shim ensuring that the frame is square and plumb. Use a 3" finishing nail. To permit easy withdrawal at a later stage of installation, do not drive the nail all the way in but leave part of the nail protruding. Place a second nail 6" from the bottom and a third in the middle of the frame.

### STEP 10. TEMPORARILY NAIL LOCK-SIDE OF FRAME

- Move to the lock side of the frame. Shim and then repeat Step 7. Nail through the jamb face and the shims from the back 6" from the bottom and at the strike. Use a 6" shim behind each nail.

### STEP 11. TEMPORARILY NAIL REMAINDER OF FRAME

- Secure header with shims and nails. Position wooden shims between the rough opening and the header. Nail into position through the shims using the 3" finishing nails (Figure 6).
- Note: Leave the nail heads sticking out slightly so they may have to be removed later.

### STEP 12. CHECK WEATHERSTRIP SEAL

- To check the seal of the weatherstrip against the door, hold the door slightly away from the weatherstrip. If the distance is equal all the way, the door positioning is correct and no adjustment is required.
Masonite® Steel and Smooth Fiberglass Entry Doors

How to Paint Prehung Entry Doors

Prepare the Door Surface

- Steel doors should be wiped clean with a solvent such as acetone or mineral spirits. Follow the manufacturer’s instructions for solvent dry completely – until there is no residual odor. Once wiped clean, the door must be lightly sanded with a 220-grit sandpaper. After sanding, the door must be washed with a mild detergent in warm soapy water, rinsed and then dried.

- Fiberglass doors should be wiped clean with a solvent such as acetone or mineral spirits. Follow the manufacturer’s instructions for solvent dry completely – until there is no residual odor. The door must be washed with a mild detergent in warm soapy water, rinsed and then dried.

Painting the Door

- Use exterior, high quality, oil-based or 100% acrylic water-based latex paint of desired color. High quality interior paint can be used on the interior surface of the door only. Lacquer paints are not recommended.

Finishing with Brush Application:

Brush strokes should follow the grain direction of the selected area. Start working on the panels and sticking (moulding profiles), then the vertical center mullion, next the horizontal rails, then the vertical stiles, and finally, the outside edges (stiles and top rail, see figure 1 for details). Doors that are outswing or have adjustable surface mounted sweeps will need to have the sweep removed and the bottom rail painted.

Finishing with Spray Application:

Follow the manufacturer’s instructions for thinning the paint. Strain paint before filling the spray pot.

Painting the Door:

- Do not paint the weather strip and do not close door until paint is dry (see paint manufacturer’s specifications on minimum drying time).

Drying:

- WARNING: Doors painted with dark colors or doors with attached decorative wood trim or moulding, may need to be finished vertically. To remove the door from the frame, use a center punch and hammer. Strike the hinge pin from the bottom until it pops up (for outswing & self closing units – hinge leaf must be removed from the door).

Doors can be painted either hanging in the opening or removed from the frame (recommended). Should you remove the door, take care to protect it from damage. Sidelites will need to be finished vertically.

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- The installation of the prehung-door is now almost complete. The remaining 3 screws for the hinges can now be put into place. These screws can be found in a plastic bag stapled to the outside of the frame (see Figure 2). These screws are extra long to secure the jamb to the adjacent rough opening studding. Install the corner seals to the bottom corner of the wood frame - next to weatherstripping and side panels.

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