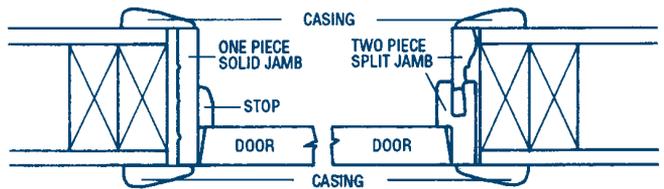


PRE-HUNG DOOR INSTALLATION

Cross section of a typical door installation

All parts are seen in position in this horizontal section drawing. Note that the hinge pin protrudes about 1/8" beyond the door; there are both left-hand and right-hand hinges for doors that open from either the left or right. Doorstops fit snugly against the closed door. The casing is set back slightly from the edge of the jamb to allow removal of the hinge pin. The leading edge of the door is beveled to give the door clearance to swing without leaving a visible gap between the closed door and the jamb on the outside.



Step 1. Rough Opening

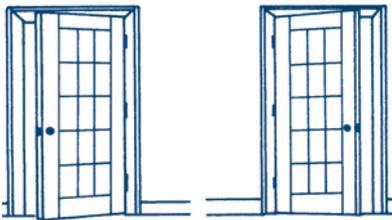
Before you start, check to make sure the rough opening is 2" wider than the door width & 2" higher than the door height. This will allow you to shim and square the door frame easily. The recommended door casing will cover the gap between the rough opening and the door frame.

STUD ROUGH OPENING (R.O.) ALLOWANCES		
DOOR DIMENSIONS	R.O.WIDTH	R.O.HEIGHT
24" X 80"	26"	82"
26" X 80"	28"	82"
28" X 80"	30"	82"
30" X 80"	32"	82"
32" X 80"	34"	82"
34" X 80"	36"	82"

Tools Required

All you need is a hammer, phillips screwdriver, 24" level, 24" framing square, nail set, wooden shims, 12d galvanized finished nails, putty knife and wood filler.

Step 2. Determine Door Swing Required



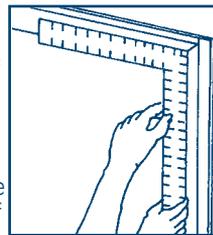
When the door opens to you, and the knob is on the left, it is a left hand door.

When the door opens to you, and the knob is on the right, it is a right hand door.

Step 3. Square & Plumb Rough Stud Opening

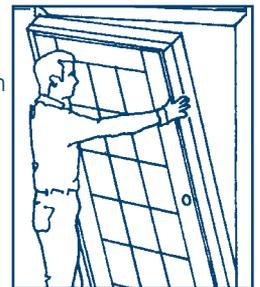
Make sure:

1. threshold is level
2. hinge side of rough opening is plumb
3. the head is square to the hinge side of the rough opening

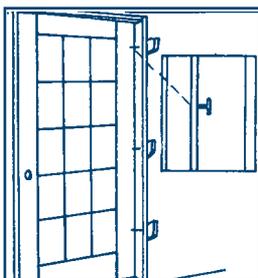


Step 4. Install Pre-Hung Unit Into Rough Opening

Center the pre-hung unit into the rough opening, bottom first.

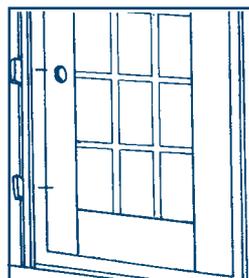


Step 5. Nail Hinge Side of Frame



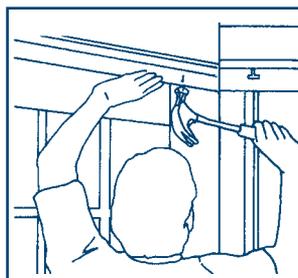
Starting about 6" from the top of the frame, nail the hinge side in place first, through the jamb and shim ensuring that the frame is square and plumb. Use a 2" finishing nail. To permit easy withdrawal at a later stage of installation, do not drive the nail all the way in but leave part sticking out. Place a second nail 6" from the bottom and a third in the middle of the frame.

Step 6. Nail Lock Side of Frame



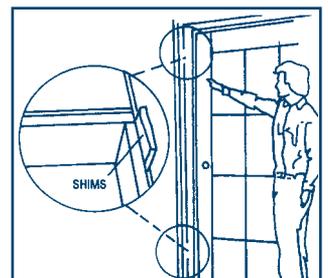
Move to the lock side of the frame. Shim and then repeat Step 5. Nail through the jamb and the shim 6" from the top, 6" from the bottom and at the strike. Use a shim behind each nail.

Step 7. Nail the Remainder of the 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 12d finishing nails. (Step 6) Note: Leave the nail heads sticking out slightly in case they have to be removed later.

Step 8. Making Adjustments & Final Installations



If the gap between the door and frame is not equal all the way down, adjustments are needed. Remove the nails at the top or the bottom of the frame and tap the frame over using a hammer until the gap is equal. Further shimming may be required. Then re-nail. Once you are sure that the frame is square, you are ready for final installation and can countersink the nails previously left in position.