INSTALLATION INSTRUCTIONS FOR PATIO DOORS

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

NOTE: Some dwelling designs/conditions may require special installation steps. Consult an architect, design professional and/or code official for additional guidance. If disturbing existing paint, take proper precautions if lead paint is suspected (commonly used before 1979). For proper management of lead paint, see www.epa.gov/lead.

CAUTION: Wear safety glasses and gloves when installing the patio unit. Unit will be heavy. At least two people are needed for installation.

STEP 1: Select Patio Unit

STEP 2: Determine Rough Opening & Door Frame Size

- R.O. = Rough Opening
- Rough opening width is measured from the inside of the stud frame to the inside of the opposite stud. 
- Rough opening height is measured from the sub-floor to the bottom of the header. 
- Rough opening allows for room to shim on each side of unit. 
- To measure the rough opening for a unit that is being replaced, remove interior casing and measure from stud to stud and from floor to header.

NOTE: This easier to reduce the R.O. size by shimming or adding wall stabs than it is to enlarge a R.O.

STEP 3: Prepare Rough Opening

A solid sub-floor is absolutely essential for proper door unit installation. Do not proceed until the sub-floor is both solid and level. Clean and dry work area.

NOTE: Apply flashing in a manner to overlap the wallboard, panelling, siding etc.

STEP 4: Prepare Door Unit

Remove all packaging from door unit. Some units may have a wood screw attached through the top of the header and into the top of the inactive door of a French unit. Remove this screw. Be careful when handling unit to prevent doors from swinging open.

STEP 5: Caulk Sub-Floor and Sill

Variations in threshold designs may require that the caulk lines be applied directly to the bottom of the unit to ensure a weather-seal. Inspect the bottom of the sill for any flat surfaces or sill grooves. Apply caulk to sill bottom flat surfaces and grooves and also bottom of jambs. Apply a triple bead of caulk along sub-floor where unit will be positioned.

STEP 6: Place Unit in Rough Opening

Do not attempt to handle without assistance. From the outside of the unit, center the prehung unit into the rough opening, sill first. Be careful not to disturb the caulking on the sub-floor or sill bottom. The brickmold (not supplied with all units) should rest up against the exterior finished wall.

STEP 7: Shim and Fasten Unit

NOTE: Units intended for installation in high velocity windstorm regions may require additional points of attachment.

NOTE: Install shims in the correct location and in the proper sequence. Shim tightly at the bottom of the unit at points indicated. Shim the top side of the frame as indicated. Install shims until there is a 1/8" gap between the top of the door and the frame header. There should also be a consistent gap (1/8") between the door and the vertical astragal (for French Door Units).

STEP 8: Insulate and Install Hardware

Score shims with razor knife and snap flush with frame face. Insulate any gaps between the frame and rough opening with fiberglass blanket insulation. (Do not use spray-in foam.) Install interior/exterior trim around frame unit. Install hardware according to the manufacturer's instructions. Use long security screws to attach deadbolt strike plate.

STEP 10: Caulk Doorway

Caulk all exterior corners and all around the brick or siding. Caulk the sill on both bath and hinge sides from the edge of the sill crown along the edge where the sill and jamb or brickmold meet. Caulk the front sill edge where the sill and the sub-floor meet. Caulk the top corners, where the header and jambs meet, starting at the weatherstrip and working to the face of the brickmold. Caulk the perimeter where the exterior trim meets the brick or siding trim. If the door is center-hinged or has a sidelite, caulk around the mullions where the mullions contact the sill and header.

STEP 9: Insulate and Install Hardware

Score shims with razor knife and snap flush with frame face. Insulate any gaps between the frame and rough opening with fiberglass blanket insulation. (Do not use spray-in foam.) Install interior/exterior trim around frame unit. Install hardware according to the manufacturer's instructions. Use long security screws to attach deadbolt strike plate.

Required tools are as follows:

- Level (24")
- 3" galvanized finishing nails
- Framing square
- Wooden shims
- Hammer
- Wood filler
- Nail set
- Putty knife
- Caulking gun
- Exterior caulk
- Measuring tape
- Phillips screwdriver

NOTE: Wear safety glasses and gloves when installing the patio unit. Unit will be heavy. At least two people are needed for installation.

A - French Door
B - Center-Hinged Door

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<tr>
<th>Size</th>
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<tbody>
<tr>
<td>5'-0&quot;</td>
<td>60&quot;x80&quot;</td>
<td>5'-0&quot;</td>
<td>60-5/8&quot;x80&quot;</td>
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<tr>
<td>5'-4&quot;</td>
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<td>5'-4&quot;</td>
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Note: For outswing units deduct 1-1/4" from the height. For sizes and designs not shown, consult store associate.