

ATTENTION

IMPORTANT INSTRUCTIONS: READ BEFORE INSTALLING

Recommended for Achieving Optimal Performance:

- ✓ **Sill Pan:** It is recommended to use a sill pan with the installation of Harvey Entry Doors. Sill pans are recommended to be composed of durable plastic/composite materials that are resistant to weatherization and thermal conductivity.
- ✓ **Rigid Head Flashing:** It is recommended to install rigid head flashing over the top of a door. This proactive measure can effectively promote water shedding away from the door, ensuring the door and surrounding structure remain in excellent condition for years to come.

Installation Tools and Materials Required:

Safety Glasses, Gloves, Screw gun, Finish Nail Gun, Tape Measure, Caulking Gun, High-Quality Sealant (ASTM C920 Certified), Shims, Levels, Squaring Pole, Table Saw, Chop Saw, Flashing Materials

Product Specific Notes and Important General Practices:

Outswing doors: Top edge of the door must finished / sealed within 48 hours of the install.

Initial quality claims: Must be submitted within 30 days from the door manufacturer date.

Storage and protection: Harvey Entry Doors shall be stored upright on a flat surface, off the ground, out of the weather in a clean, dry, low traffic area that is not subject to damage. If doors are stored outside, they should not be stored in direct sunlight and should not be stacked against each other. Doors should not be stored in shipping containers unless the climate can be controlled. Remove all protective films from painted surfaces and non-permanent labels prior to 30 days of the installation.

Prior to finishing: Do not install or finish off a door that is damaged, if visual issues are present, or operation is in question, unless instructed to do so by Harvey Windows and Doors.

Preparing the Opening:

1. Start by ensuring the rough opening is properly sized to accommodate the door to be installed. Recommend rough opening is ½ inch larger on width and height than the door to receive. Verify the rough opening to be plumb, level, square. Correct conditions prior to proceeding with the install of the door.
2. Flash the rough opening in accordance with local building codes / flashing manufacturer's instructions.
3. **Install sill pan:**
 - a. Sill pan should be installed in accordance with the sill pan manufacturer's instructions.
 - b. If a sill pan is not being used, proceed by placing 3 heavy beads of sealant along the width of the sill, followed by 3" up each side jamb. Continue applying sealant in a zig zag pattern along the 3 beads placed throughout the sill, and up the side jambs. Use at least one full tube of sealant with single doors, and at least two tubes for double doors.



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Installing the Door:

1. **Doors that come provided with a nail fin, factory applied casing, or 908 / brick mold casing:**
 - a. A ¼" bead of sealant is required to be placed along the nail flange at the top and side flanges. A secondary bead of sealant should be placed from the backside of where the factory applied casing meets the door jamb, and where mitered joints connect.
 - b. If no casing or nail flange is provided, proceed to install the door into the rough opening.
2. **Shim the door:** It is recommended to use composite / plastic shims while you level, plumb and square the door within the rough opening. Shims should be placed behind the hinge side and strike side jambs.
3. **Secure the frame:**
 - a. Predrill a minimum of 3 holes per jamb, at 6" down from the top, 6" up from bottom, and in the middle of the door jamb. It is recommended to position fasteners behind the weather seals which help hide the fasteners. Be sure to install 2 of the #10 x 2.5 screws into the top hinge to prevent sagging (totaling 5 screws on the hinge side of frame).
 - b. For doors with sidelites, apply fasteners in the same fashion as step A, except place them through the thickest part of the door jamb.
4. **Check the operation of the door slab, as well as sightline margins between slab and frame. Adjust the frame to achieve the desired operation and sightlines.**
5. **Position the adjustable saddle height:** Adjust the set screws positioned along the width of the saddle. Complete a snugness test by placing a dollar bill between the adjusted saddle and bottom of the door. The dollar bill should feel snug to pull when placed between the adjustable saddle and door bottom. Continue by sealing the ends of adjusted saddle with high-quality sealant.
6. **Cut weather stripping off sill and install jamb pads:** Cut the lock and hinge side weather stripping off the sill, slightly below the height of the sill saddle. Finish by installing the jamb pads to each end of the door jamb.
7. **Insulate:** Fill any remaining gaps in the wall cavity with insulation. Be careful not to over insulate and distort the jambs.
8. **Complete the flashing around the exterior side of the door.**
9. **Install trim and door hardware:** Complete the install of the interior / exterior trim around the door. Install the door handle, deadbolt, and any other desired hardware according to the manufacturer's instructions.
10. **Seal the weather side of the door:** Seal the weather side of the door with a high-quality sealant between jambs and trim work, sill and jambs, mull post and sill, and any decorative molding.

