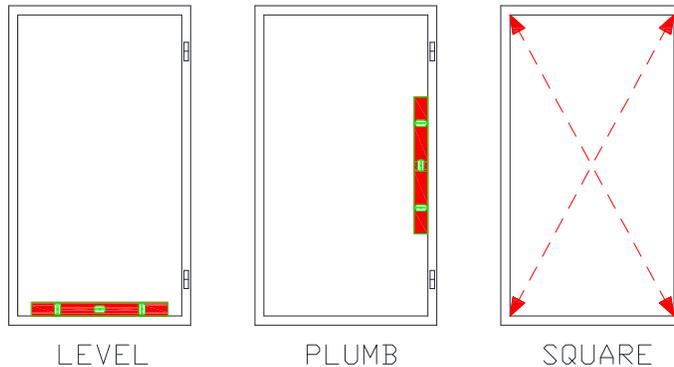




## 4500/4700 HINGED DOOR INSTALLATION GUIDE

### Door Installation Guide

1. Position door into center of rough opening. If possible, remove the sash during frame installation.



2. Check if door sill is level and supported along the entire width. Shim if necessary.
3. Check if door frame (hinge side) is plumb using a level. Screw the frame into the rough opening jamb at 8" from the top, using shims as needed to keep plumb. Ensure shims are used where screws are installed to prevent any movement of the door frame.

**Important:** The frame hinge requires minimum ½" clearance with the finish drywall or wall return trim. Failure to provide clearance prevents the ability to make hinge adjustments.

Use a level to ensure frame is plumb and straight, then screw frame to jamb at 8" above the sill, using shims as needed. Repeat for additional screw locations between top and bottom hinge (max. spacing 28").

4. Check if the frame is square. Measure corner to corner and adjust until diagonals are equal.
5. Screw the top of the frame to the header (max. spacing 28"). Check if the frame head is straight and adjust with screws and shims as necessary.
6. Screw frame (opposite hinges) to the jamb opening at 8" from the top corner while keeping the frame plumb. Measure the diagonals to ensure the door is square. If there is more than 1/16" difference, then re-shim frame (side opposite hinges) until square and install the screw. Check if the jamb is plumb and install a screw 8" from sill. Repeat for additional screw locations between top and bottom (max. spacing 28").
7. Swing open then close the door sash to check operation. For proper hardware and gasket performance, the sash must be centered in the frame when closing. With the sash closed, measure the distance from sash edge to fame edge on all sides. (Note: if using a low sill,



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then only the top and sides need to be measured). The space from door sash to the frame must be equal on all sides. If there is more than 1/16" difference, then make hinge adjustments.

### Door Function

8. Check the hardware: Open the door sash and activate the lock by lifting the handle 45 degrees, then let go of the handle and turn the cylinder knob to lock the system. If the movement of the handle and cylinder operates smoothly while the door is open and the cylinder turned to lock, the sash hardware is functioning properly. If the function of the handle and/or the cylinder knob is difficult to operate, contact the door manufacturer.
9. Close the door sash and operate the handle to activate the multi-point locks. If the handle is difficult to operate and cannot turn 45 degrees to activate the multipoint locks, there could be a striker or component that is impeding the movement of the lock point. Proceed to check and troubleshoot the door.
10. Operation labels can be placed on the door for new users. These are shown below

