

**INSTALLATION GUIDE FOR RESPONDER R51 SERIES DOOR****BEFORE STARTING:**

**CAUTION:** If this product is being installed next to a copper based wood preservative, a barrier **must be installed between the treated lumber and this product to prevent a reaction between the metal and the preservative.**

1. Read these instructions completely **BEFORE** starting to install the door.
2. The rough opening that this door is to be installed into **MUST BE** square, plumb and should be no more than ½” wider and ½” higher than the O.S.M. of the door frame. This will ease the installation of the door and help insure proper operation of the door after installation.
3. **We recommend that fiberglass insulation be placed into the steel frame jambs and between the door frame and the rough opening to help prevent air infiltration between the components.**

**TOOLS REQUIRED:**

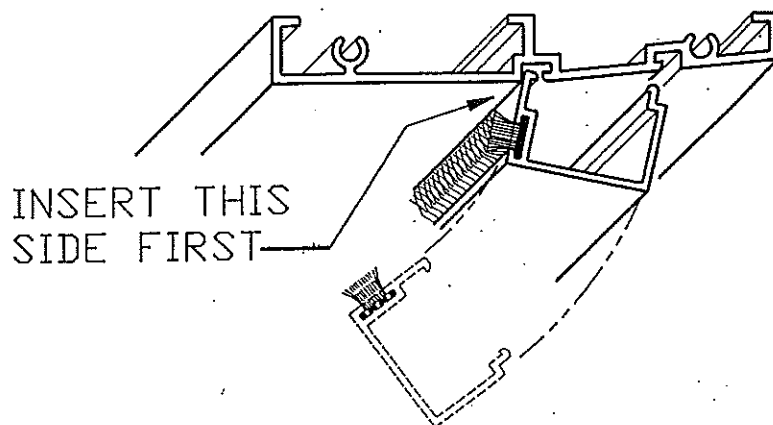
Tape measure, square, level, drill, 1/8” drill bit, two (2) sawhorses, #2 Phillips screwdriver and a hammer.

**DOOR INSTALLATION**

1. Remove the door from the carton and LAY IT ON THE SAW HORSES WITH WHAT WILL BE THE OUTSIDE OF THE DOOR FACING UP and the hinge side of the frame in the desired position
2. Check the rough opening to be certain that it is plumb and square. Installing this unit in an “out of square” opening will necessitate the use of additional shimming material and may affect the operation of the door after installation.
3. Remove the screw pack that will be found taped to the snap-in header parting stop. Apply beads of caulk to the support legs of the sill to prevent water infiltration beneath the sill.
4. Set the door assembly into the rough opening. **NOTE:** The self-adhesive spacers located between the lock jamb and the door panel centers the door panel in the frame assembly. **DO NOT** remove these spacers until after the installation is completed.
5. Before opening the door, check the metal frame to be certain that it is square and plumb. Shim if necessary.
6. **NOTE:** For installation of this unit into a metal frame rough opening, use appropriate sized, customer supplied, fasteners and proceed as instructed in steps numbered ten and eleven, except that the fasteners should be installed through the metal rough opening frame and into the return legs on the backside of the door frames.
7. **NOTE:** The screw pack contains fifteen painted and three unpainted #10 x 3 ½” Phillips bugle head wood screws for installing the door assembly into a wood frame rough opening. The painted screws are to be used along the jamb edge where they will be exposed, nine on the lock jamb and six on the hinge jamb. The unpainted screws are to be used through the empty, center, hole of each hinge. Predrilling 1/8” holes into the wood rough opening framing will help ease the installation of the screws.
8. Install the three screws through the hinges first. Then, alternate installing screws through the lock and hinge jambs to help insure that the frame remains square. Check often and shim as needed. Use caution so not to distort the metal frame, either by shimming or over tightening the screws.

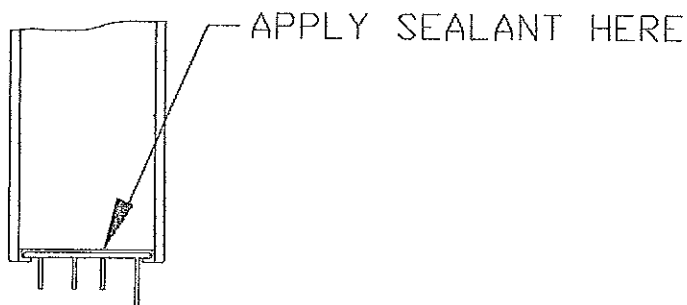
9. Install the parting stop into the frame header at this time by:

- A. Swing the door completely open to allow sufficient working area.
- B. Hook the leg of the parting stop containing the weatherstrip into the slot in the frame header. Remember to keep the weatherstrip toward the door, the same as in the jambs.
- C. Swing the parting stop up and press it against the frame header until the other leg of the parting stop snaps into the other groove in the frame header. **NOTE:** Due to Standard Aluminum Commercial Tolerances, it may be necessary to gently tap the parting stop into place with a hammer. If so, use either a soft faced hammer or place a block of wood between the hammer and the parting stop to avoid damaging the extrusion or the painted finish. See the illustration below.



10. Remove the adhesive backed rub pads from each end of the lock jamb.

11. Apply caulk across each end of the sweep to help prevent water infiltration at this area. See the illustration below.



12. Install the lockset as per the manufacturer's instructions. The holes in the lock jamb, to which the strike plate is mounted, are elongated to allow for lateral adjustment of the strike plate. The screws are secured with a starred lock washer nut. You may hold the nut by inserting your finger through the latch lock hole and against the nut. **CAUTION:** Do not loosen the screws too far. If the nut falls off the screw it will be necessary to remove the entire door frame assembly to retrieve the nut.