INSTALLATION GUIDE FOR RESPONDER R41 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 into which this door is to be installed, should be ½" wider and ½" higher than the O.S.M. of the door frame. Check the rough opening to be certain that it is plumb and square. Pre-drilling pilot holes into the wood frame of the rough opening where the installation screws are to be used will make them easier to install.

3. **We recommend that fiberglass insulation be placed between the metal door frame and the wood rough opening to prevent possible air infiltration between the components.**

TOOLS AND SUPPLIES REQUIRED:

Tape measure, square, level, drill, drill bits, #2 Phillips screwdriver, hammer, two (2) saw horses and shimming material.

DOOR INSTALLATION:

1. Remove the door from the carton and place it on the saw horses with what will be the outside of the door facing up and the hinges in the proper position for the handing and swing desired.

2. Remove the screw pack, containing fifteen installation screws, the weather-stripped header parting stop and the optional lock set from the carton.

3. Set the door assembly into the rough opening with the hinge jamb tight against the wood 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.

4. Open the door and install one of the #10 wood screws into the center hole of the top hinge.

5. Check the aluminum frame to be certain it is square and plumb. If so, install a wood screw into the center hole of the bottom hinge and then into the center hole of the center hinge. Install two screws in the holes in the lower surface of the jamb.

6. Check the aluminum frame for squareness again and shim if necessary.

7. Depending on the actual size of the rough opening, place the appropriate thickness shimming material between the lock jamb of the metal door frame and the wood rough opening, especially in the areas where the four (4) installation screws will be placed and in the lock area. **USE CAUTION** so as to not bow, bend or distort the frame with the shimming material.

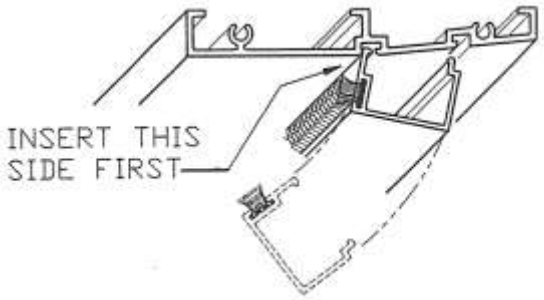
8. Install one of the installation screws in the top installation screw hole in the lock jamb and then one in the bottom hole. Proceed with the second hole from the top and then the bottom. While installing these screws, check the space between the door panel and the metal frame and maintain it at 5/32". Shim as necessary.

9. Install the remaining installation screws in the installation screw holes in the hinge jamb, following the same sequence as those installed in the lock jamb.

10. Check the aluminum frame for squareness again and adjust the screws and shim as necessary.

11. Install the snap-in header parting stop into the frame header 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 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.



12. Remove the adhesive backed cardboard spacers from the lock side of the door.

14. Install the lock set as per the lock manufactures' instructions.

15. Apply caulk across each end of the sweep to help prevent water infiltration in this area.

16. Install a self-adhesive foam plug at the bottom of each jamb, tight against the sill as shown below.