

# INSTALLATION INSTRUCTIONS

## *Tools Required*

Chalk-line, framing square, 2' & 4' levels, tape measure, ratchet & extension, 3/4" socket, drill, masonry bit, pipe-mounted clamp capable of opening to the exterior width of the Air Shower, wood block sized to fit interior width of unit, material lift (forklift or Genie-Lift), rubber mallet or block and hammer, white RTV sealant, cleaning supplies, common hand tools.

**Step 1:**Sweep the area clean, then mark lines creating a box the exact size of the exterior dimensions of the roof section. Establish the location of the sill plates by measuring in from the side and ends of the corresponding wall pocket. Draw a line showing the location for the sill plate. Anchor the sill plate to the floor using screws or shields, whichever is appropriate for the application.

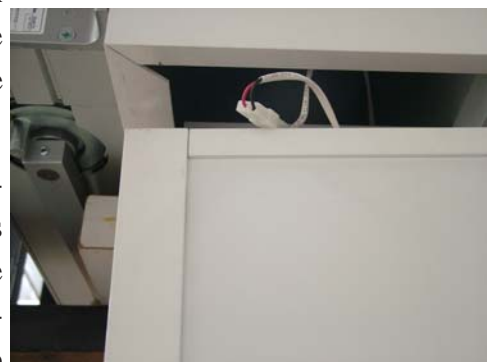
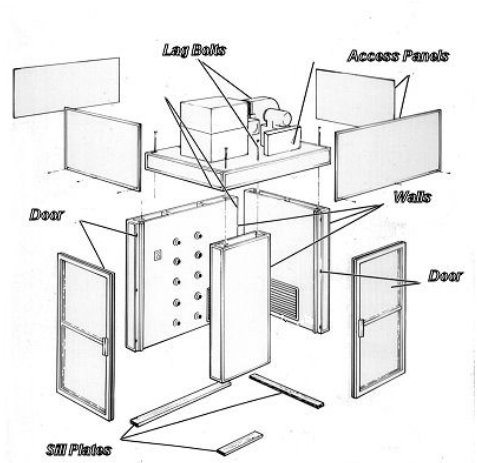
**Step 2:**Set wall section in place on top of the floor sills.

**Step 3:**Secure the walls in place by using a pipe clamp. If space allows place a block the size of the door opening between the walls and place the pipe clamp from outside wall to outside wall to secure the walls in place..



**Step 4:**Remove the mechanical enclosure panels. Using a mechanical lifting device (or a forklift if space permits) raise the roof section above the walls, but do not set the roof section on top of the walls yet. If you are in tight space such as a hallway you may choose to lift the roof section into place and set the walls under the roof section.

**Step 5:**Find the low voltage wiring connection for the emergency stop/start switch. This can be located by finding the switch on the wall and following a line straight up to the top of the wall. There should be a connector protruding from the top of the wall and below the roof section. Plug the two connectors together.



**Step 6:**Place a bead of sealant along the top of the wall sections to seal between the roof and walls.

**Step 7:**Lower the wall section in place. Align one corner of the roof section to the wall and insert the first 1/2" lag bolt. Screw the lag bolt in but tighten until snug. Find the opposite corner and align the wall and roof section together. You may have to use a rubber mallet or a wood block and hammer. On air showers constructed of aluminum honeycomb panels be sure never to strike the wall or roof on the panel inserts. Always strike on the extrusion. Once you have all four corners aligned tighten all the lags again about a quarter turn. Replace the mechanical enclosure panels.

Step 8: Hang the doors on the pre-installed hinges. Attach the parallel arms of the door closer as shown in supplemental manual section. Be sure that the magnetic switch located on the top of the door is in place and aligned with the reed switch in the top of the door way. If the air shower has automatic swing doors remove one of the screws holding the track on the top of the door, lower one end, close the door and put the track back into position while aligning the roller on the automatic door arm into the track. Insert and tighten the screw that was removed.



Step 9: Hang the prewired power panel in a location adjacent to the air shower roof section so as not to interfere with access to the mechanical.

Step 10: Connect the three phase power to the air shower power panel.

Step 11: Make sure the emergency stop/start switch is in the out position and open and shut the entry door. This should start a cycle. During this time check that the blower is rotating in the proper direction. If not reverse any two wires on the load side of the motor starter overload.

Step 12: Clean off the air shower and seal the wall to roof and wall to floor joints with silicon sealant.

Step 13: Check the door alignment. If a door is sagging use the adjustment screw located in the top of the door to lower or raise the leading edge of the door.

Step 14: Check the air shower for proper sequence.



**MANUAL DOOR CLOSER**