

INSTALLATION INSTRUCTIONS

Tools Required

Chalkline, framing square, 4' level, 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 sections (see "Floor Sill Layout" on drawing). Layout the sill plate locations according to the drawing. Anchor the sill plate to the floor using screws or shields, whichever is appropriate for the application.

Step 2: Set wall #3 in place on top of the floor sill.

Step 3: Set mechanical wall #2 section in place. Wall #3 should fit into the aluminum trim angle on mechanical wall #2.

Step 4: Set mechanical wall #1 in place. Be sure the top of both mechanical sections are level and plumb.

Step 5: Set wall #4 in place. Be sure the all the top surfaces of the walls are level and even.

Step 6: Run a bead of silicone around the top of all the walls. **Make sure the protective cardboard over the HEPA filters is removed.**

Step 7: Set roof 2 above walls 2 & 3. Run the electrical flex and low voltage cable down the sleeved penetration in the top of mechanical wall #2 (see photo 1).

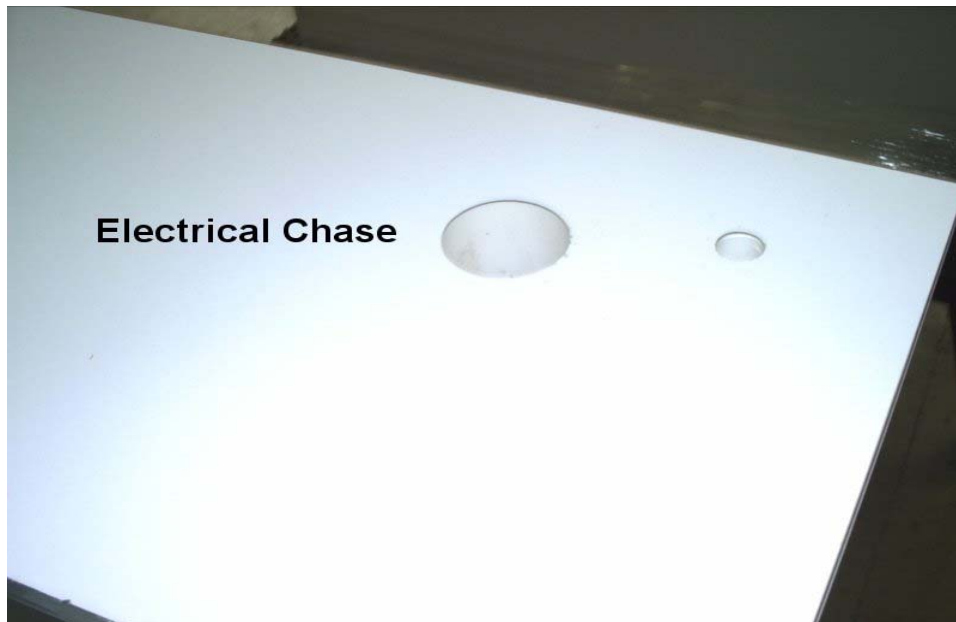


Photo 1

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Step 8: Remove all the access doors from the air shower mechanical walls. The screws are 1/4 turn.

Step 9: Loosen the 1/4" nuts that compress the filter against the top of the mechanical section (see photo 2).



Photo 2

Step 10: Continue to loosen the nuts until you have enough clearance to remove the HEPA filter.

Step 11: Find the four lag hole locations inside the filter plenum and install the four lag bolts (See photo 3). Do not tighten the bolts at this time.



Photo 3

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Step 12: Remove the light fixture lens and both lamps from the fluorescent light fixture. This enables you to get access to the lag bolt locations for walls 3 & 4. (See photo 4)



Photo 4

Step 13: Once all the lags are in place make sure all the walls and roof sections are aligned. Start with the lags in the roof section and tighten each corner. Then move on to the remaining lags in the light box area and the lags in the mechanical section. Clean off any excess silicone. Install the lamps and light lens.

Step 14: Place marks 3/4" away from the perimeter of the HEPA filter cutout. Slide the HEPA filter back on the aluminum channel supports and slowly tighten the 1/4" nuts. Make sure the outside of the filter aligns with the marks you previously made. Do not over tighten the nuts. The filter gasket should not compress more than 1/32".

Step 15: Re-install the HEPA filter and access door for mechanical wall (Photo 5)

Step 16: Place the roof #1 on top of the walls as you did with roof number #2. Follow the same preceding procedures.



Photo 5

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Step 17: Install the two doors by removing the pins from the hinges on the air shower walls, setting the doors in place and inserting the pins back into the hinge. Be sure to screw on the bottom cap of the hinge pin.

Step 18: Re-connect the door closer arms.

Step 19: Connect the 3 phase power to the junction box located adjacent to the access panels.

Step 20: Make sure the emergency switch is in the out position and both doors are closed. Turn on the power to the disconnect switch (and the circuit breaker that supplies power to the air shower) and open the entry door of the air shower. When the entry door is open the exit door should lock. Release the entry door and when it closes the air shower cycle will start and both doors will lock. Exit the air shower and check the rotation of the blowers. When on the motor side of the blower the fan should be rotating clockwise. If the blower is running backward reverse any two wire connections on the bottom of the corresponding motor starter (Warning, be sure to turn off power before performing this task).

Step 21: Clean out any debris from inside the mechanical wall sections and re-install the access doors.

Step 22: Clean the air shower surfaces and silicone all joints between the roofs and top of the walls.