

### (11)

Holding a straight edge across the door panels mark the position the latch peg comes in contact with the concrete pad. Using a Roto-hammer with a 3/4" concrete bit, drill a 4" deep hole for the peg at the marked location. Clean out the newly drilled holes of all dust and debris using a vacuum or compressed air with a safety nozzle. (Caution: Always wear safety glasses and a dust mask)



### (12)

Using a Roto-hammer with a 1/2" concrete bit, drill a 5-1/2" deep hole in the concrete pad through the holes in the foot of the post of the left front post only. Clean out the newly drilled holes of all dust and debris using a vacuum or compressed air with safety nozzle. (Caution: Always wear safety glasses and a dust mask)



### (13)

Install the 1/2" x 5" Titen® concrete anchor in each of the holes of the front left door post. (you'll find that the use of an impact wrench will dramatically ease the installation of the Titen® anchor.)

### (14)

Check again that the enclosure is square and that the doors are aligned and functioning properly.

### (15)

Repeat the installation of the concrete anchors in the remaining (3) posts. Drill and anchor in a clockwise rotation around the enclosure. Check one last time that the doors are aligned and functioning properly before installing the final anchors in the front right door post.



## PRODUCTS DIVISION

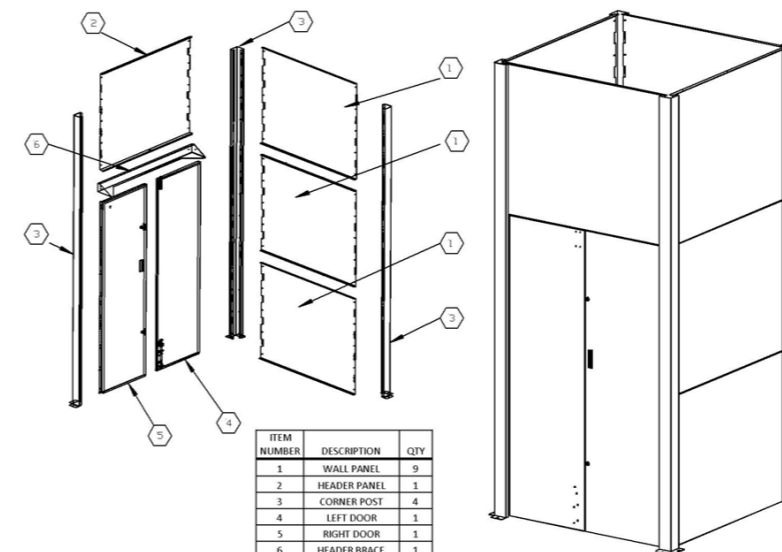
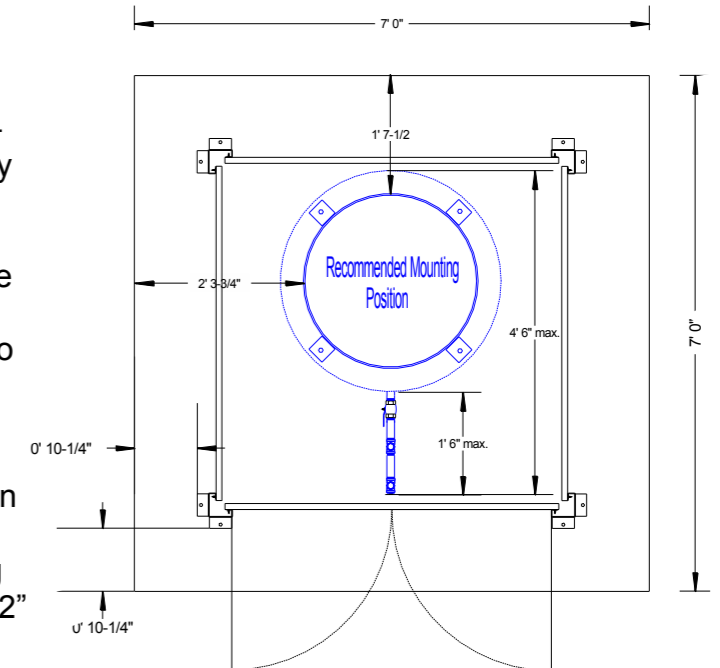
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# FC-4710 Installation Instructions

**ALWAYS WEAR APPROPRIATE PPE AND FOLLOW MANUFACTURERS INSTRUCTIONS FOR PROPER USE OF TOOLS AND EQUIPMENT**

### Site Layout

The foot print of the FC-4710 was minimized to provide the site owner or architect the largest number of placement options. The tank and enclosure is designed to be mounted on a 7 foot by 7 foot by 8 inch thick reinforced 2,500 psi concrete pad. To make sure the Healy Clean Air Separator® mounts easily in the enclosure make sure that the piping manifold doesn't extend beyond the side of the tank more than 18". It is also important to position the manifold pointing towards the door (front) so that when testing or maintenance is required the tester or technician has plenty of room to work. The mounting ring on the CAS to the edge of pad should be approximately 2' 3-3/4" left and right. The mounting ring on the CAS to the edge of pad should be 1' 7-1/2" towards the back and 48" from the front.



### Enclosure Components

All corner posts are identical. There are (9) identical wall panels, (1) header brace and (1) header panel. The header panel can be identified by the extra bend for the door stop and square hole punched in the bottom flange for the top door latch. Separate the header panel and header brace. There is (1) left and (1) right door panel. The hardware kit, consisting of panel screws and concrete anchors, is located in the box with the doors.

## Assembly

**(1)**

Select (2) posts and (1) wall panel. Have each person hold a post. Beginning with the lowest panel at the back of the tank, place the tabs in the lowest (4) slots on the post. Push down on the panel locking tabs into both posts.



**(2)**

Get another wall panel and place the tabs into the lowest (4) slots of the right post to start the right wall. Push panel down to lock in place. Get another panel and repeat the step for the left wall. The two posts and three panels should now stand on their own. Position the assembly so the back panel is about 1" from the back of the CAS tank.

**(3)**

Take the other two posts and, being careful to protect the finish, place on the ground 5' apart with the 90° bend pointing up. Identify the header panel and place the tabs in the top (4) slots in the posts. Push the panel down to lock in the tabs and place a #12 x 5/8" hex screw in the center hole on each side of the header panel to secure it to the posts.



**(4)**

Both people should now position the front assembly in front of the CAS and insert the tabs from the lower left and right panels into the lower (4) slots of the front assembly. At this point all (4) posts will be standing. Both sides and the back will have the lower panels in place and the header panel will be in place on the top front.



**(5)**

Working as a team place panels on the back, right, and left, center sections of the enclosure. Repeat the process for the top panels using 8' to 10' tall step ladders or a lift.



**(6)**

Place the header brace into position just above the door flange at the bottom of the header panel. Secure header brace into position with (6) #12 x 5/8" hex screws.

**(7)**

Using a Carpenter Square check and adjust the enclosure to ensure the enclosure is square. Also check that the back panels are approximately 1" from the CAS and the distance between the left and the right of the enclosure and the CAS is equal. Also verify that the piping manifold is centered in the doorway.



**(8)**

Secure all the panels to the posts with #12 x 5/8" hex screws. Also secure the panels together using the same #12 x 5/8" hex screws.

**(9)**

Attach the left door (the door with latches) to the front left post using #12 x 5/8" hex screws. Attach the right door (the door with the locks) to the right front post using #12 x 5/8" hex screws.

**(10)**

Check the doors to make sure they're square and function properly.