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Safety Equipment



Installation, Operation, Maintenance Manual EnviroMax Large Enclosure



Visit www.HEMCOcorp.com

HEMCO Corporation
711 S. Powell Road
Independence MO, 64056
MM-ENVIRO.LARGE.12.17

HEMCO
Lab Planning Solutions

Call Toll Free: (800) 779-4362

Phone (816) 796-2900
Fax. (816) 796-3333
Email info@HEMCOcorp.com

Visit www.HEMCOcorp.com

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EnviroMax Description

Table of Contents

RECEIVING AND INSPECTING SHIPMENTS.....	2
PREPARATION FOR INSTALLATION	2
SUGGESTED TOOL & MATERIAL LIST	2
REQUIRED TOOL & MATERIAL LIST	2
ENVIROMAX DESCRIPTION.....	3
INSTALLATION.....	3-6
MAINTENANCE.....	6
PROJECT DRAWINGS	7

Receiving and Inspecting Shipments

Transportation companies are responsible for shipment from the time that it is received by them until it is delivered. All shipments leaving our plant have been carefully inspected and loaded on the carrier's vehicle.

If a shipment arrives with the crating or packaging damaged, have the driver note the condition on the bill of lading and inspect the contents immediately for concealed damage. Due to the crate sizes and number of components HEMCO recommends that with any crate damage, even minor, that the bill of lading be signed for noting "crate damage...pending further inspection for concealed product damage"

If the equipment has been damaged in transit, immediately notify and file a claim with the carrier. Do not return to HEMCO. If this procedure is not followed, the carrier will reject the claim and the consignee will suffer the loss. Please notify HEMCO so that we may help you in anyway possible with evaluation, repair, replacement, and valuation of the damage that has occurred.

Preparation for Installation

- Read the Complete Manual
- Gather Required Tools/Equipment
- Clear Installation Area

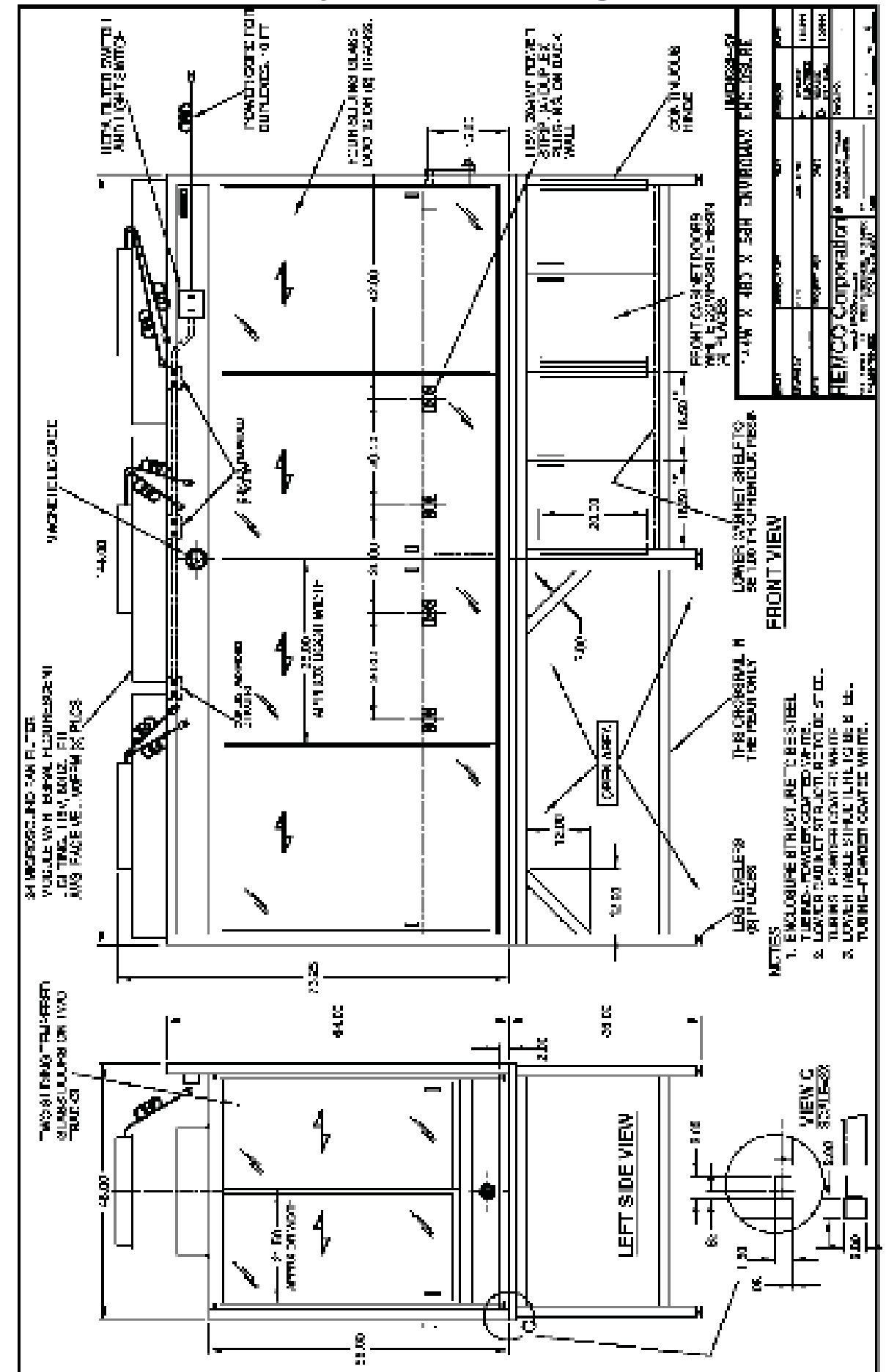
Suggested Tool & Material List

- Cordless Drill
- #2 Phillips Bit
- 4) Quick Bar Clamps
- 1) Tube of 100% Silicone Sealant
- 1) Caulking Gun

Required Tool & Material List

- #2 Phillips Screw Driver
- 1) Tube 100% Silicone Sealant
- 1) Caulking Gun

Project Drawing:



EnviroMax Installation

25. Seal any air gaps and joints of the enclosure with silicone sealant. Typical air gaps would be inside and outside corners. See picture below.



26. Remove remaining protective film from the table tops.

27. General clean up of site, installation of any other equipment, etc

Maintenance

General Tips

- For all composite surfaces use a general purpose non-abrasive cleaner
- For glass surfaces use a formula glass cleaner. (Windex, etc.)
- For painted or powder coated metal surfaces use a general-purpose nonabrasive cleaner.
- For anodized surfaces use a general-purpose non-abrasive cleaner.

EnviroMax Description

General System Description: HEMCO EnviroMax Enclosure

- Structural framework to be of welded 2" steel sq. tube-powder coated finish
- Front to consist of 4 (ea) horizontal sliding 1/4" clear tempered safety glass doors.
- Sides to consist of 2 (ea) horizontal sliding 1/4" clear tempered safety glass doors.
- Back and roof of unit to be of 1/4" clear tempered safety glass.
- 3 (ea) Fan powered HEPA filters-Class 100. Factory wired plug set to J-Box, 1) with magnehelic gauge port.
- Multi-plug power strip-4 (ea) duplex plug-ins, 115 volts.
- 1 (ea) 2" diameter cord port in each left and right side panel.
- Base Table-1 (ea) table to be 72"w x 48"d x 35"h.
- Welded 2" square tube steel construction with powder coat finish.
- Levelers included on all legs.
- Table to include phenolic work surface, shelf, and is to be enclosed on all four sides with 4 (ea) hinged doors on the front.
- Base Table-1 (ea) table to be 72" x 48" x 35"h.
- Welded 2" square tube steel construction with powder coat finish.
- Levelers included on all legs.
- Table to include phenolic work surface and is to have clear opening across the front.

Installation

1. Deliver components to erection site and segregate. Note identification markings on front of each panel. See example photo below for proper placement. It will be typical of all component "match-ups".



Steel Frame Corner-to-Corner: "A" to "A", "B" to "B", "C" to "C" and "D" to "D" Use 5/16" Truss Head screws provided. One at each corner, top and bottom.

NOTE: Pictures in this manual may be from like enclosures. Assembly pictured will be exactly same or very similar.

NOTE: Left and right is determined by facing front of enclosure per the drawing set. Individual panels have been labeled, "Front Side", "Back Side", "Right Side" and "Left Side" respectively.

2. Place base tables in desired location and level with leveling feet.

3. Place phenolic table tops on tables (1" overhand to the front, protective film to the top) and secure to welded angles on the base tables. Pilot holes will need to be field drilled after alignment.

4. Remove ~3" of the protective film from the outer perimeter of the phenolic table tops.

EnviroMax Installation

5. Place rear wall subassembly panel at the rear of the phenolic table top and steady as the left wall assembly is secured with (2) 5/16" truss head screws. **Do Not** fully tighten, just "snug" them up.



Caution rear wall subassembly is very heavy and will require at least two people to set on cabinet and steady while side panel is attached.

6. Place and attach right wall assembly secure with (2) 5/16" truss head screws. **Do Not** fully tighten, just "snug" them up.



7. Place and attach front wall subassembly secure with (4) 5/16" truss head screws. **Do Not** fully tighten, just "snug" them up.

8. Place support boards across both side sections as shown in picture to support top sub-assembly. Match tape flag for orientation. As long as the clamps are outboard as shown, they will not interfere with securing the top sub-assembly to the unit.



9. Place top sub-assembly onto support boards. May need to loosen 5/16" truss head fasteners on the sides to allow fitment of the top section into the opening.

10. Attach and secure with 5/16" truss head screws.

11. Tighten the (8) 5/16" truss head screws on the wall sections. There will be some gaping at the wall joints this will be sealed later.



12. Place and install safety glass ceiling panels (4) and (2) into openings onto the black heavy foam gasketing. Several of these maybe tight to an individual opening and need to be swapped with another for better fitment.

13. Seal between the edge of the glass panels and the steel structure with a heavy bead of 100% pure silicone sealant, pay particular attention to the corners around the fasteners of the top. Need a complete seal.

14. Peel and place ends of the pre-applied foam gasketing on the top surface of the side sections.

15. Place left HEPA filter between the aluminum angle and flush with the left side wall.

16. Place center HEPA filter (one with brass hose bib/serrated tip) between the aluminum angle butted flush against the left HEPA

17. Place right HEPA filter between the aluminum angle and butted flush with the center HEPA and flush with the right side wall.

18. Connect plug sets attached to HEPA to outlet boxes on the rear of the front header. Note labels on the individual outlets and the individual plug set, match and plug. Plug sets can be routed neatly around and down between the HEPA's to the header.

19. Uncoil vinyl tube from the magnehelic gage and connect to the brass hose bib/serrated tip of the center HEPA.

20. Remove blank cover plate of junction box at right rear corner. Remove "unattached" wire nuts from storage in the box.

21. Route wires from the right side wall switch around and into the junction box

22. Make outlet/plug strip electrical connections at right rear corner. Match tape "flag" numbers and wire nut together, maybe more than two wires being joined.

23. Cap the Wire mold raceway with provided precut cover pieces.

24. Sliding doors are installed by lifting and sliding the top of the door into upper slotted channel (in a section of track without a screw head), pivot bottom of the door over lower track and center over appropriate guide track and lower onto rolling wheels of door. May need to have an assistant press down on the tube/track at the bottom while inserting the doors into the front section. Doors are labeled as to location. Left and Right side openings are two doors on two tracks, while front is four doors on two tracks. Center doors are typically on the front track in the middle.

