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Bureau of Air Monitoring & Mobile Sources

CONCRETE BATCHING PLANT
AIR GENERAL PERMIT REGISTRATION FORM

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. *($100 as of the effective date of this form)*

0250589-004

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- ☐ Construct and operate a proposed new facility.
- ☐ Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- ☒ Continue operating the facility after expiration of the current term of air general permit use.
- ☐ Continue operating the facility after a change of ownership.
- ☐ Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- ☐ All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): _____
- ☐ No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Medley Block Industries

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Block Plant.

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 9900 NW 118 WAY

City: Medley County: Miami Dade Zip Code: 33178

Facility Start-Up Date (Estimated start-up date of proposed new facility.)(N/A for existing facility)

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)
Print Name and Title: Juan Alvarez. VP

Owner/Authorized Representative Mailing Address
Organization/Firm: 10440 NW 132 St
Street Address:
City: Hialeah Gardens County: Miami Dade Zip Code: 33018

Owner/Authorized Representative Telephone Numbers
Telephone: 305- 558-1444 Fax: 305-557-0300
Cell phone (optional):

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)
Print Name and Title: David Alvarez. Plant Manager

Facility Contact Mailing Address
Organization/Firm: Medley Block Ind.
Street Address: 10505 W Okeechobee Rd #201
City: Hialeah Gardens County: Miami Dade Zip Code: 33018

Facility Contact Telephone Numbers
Telephone:
Cell phone (optional): 305-216-8399 Fax: 305-557-0300

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.

Signature

02/24/10
Date

Type of Facility

Check one:

☒ **Stationary Facility** ☐ **Relocatable Facility**

Type(s) of Reasonable Precautions Used to Prevent Unconfined Emissions

Check all precautions to be used for the management of roads, parking areas, stock piles and yards:

☒ **Pave Roads**	☒ **Pave Parking Areas**	☒ **Pave Yards**
☐ **Maintain Roads/Parking/Yards**	☐ **Use Water Application**	☐ **Use Dust Suppressant**
☒ **Remove Particulate Matter**	☐ **Reduce Stock Pile Height**	☐ **Install Wind Breaks**

Check all precautions to be used for the management of drop points to trucks:

☐ **Spray Bar**	☐ **Chute**	☐ **Enclosure**
	☐ **Partial enclosure**	

Description of Reasonable Precautions

Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility.

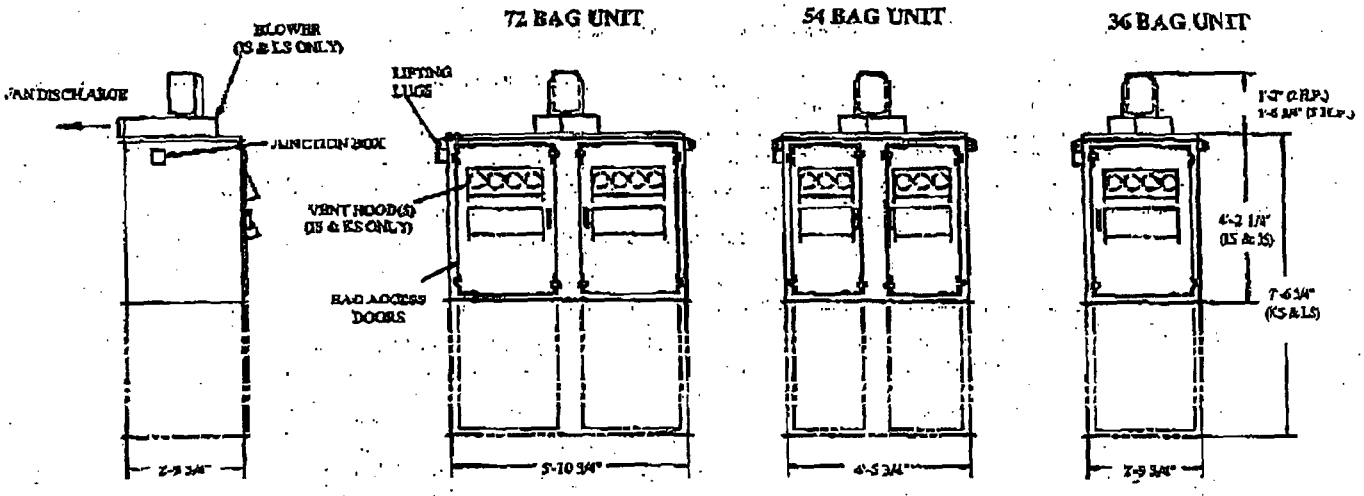
Located at 9900 NW 118 Way is equipped with 2 silo Filter Vent. (Bag House) Model 38 is which consists of 36 Filter Bags which are inspected weekly and Replaced Every 3 months.

Description of Facility

Below, or as an attachment to this form, provide a description of the concrete batching plant operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

SILO FILTER VENT

INSTALLATION, OPERATION & MAINTENANCE



MODEL NO.	CLOTH AREA (SQ. FT.)	BAG QTY	BAG LENGTH (IN)	SHAKER MOTOR	BLOWER MOTOR	BLOWER CFM @ 4" W.C.	BLOWER CFM @ 8" W.C.	OPTIONAL CONTROL	WEIGHT (LBS.)
36-IS	125	36	38 1/2	1/6 HP, 1800, 115/1/60	—	—	—	C10	415
36-KS	250	36	79	1/6 HP, 1200, 115/1/60	—	—	—	C10	665
54-IS	188	54	38 1/2	1/4 HP, 1200, 230-460/3/60	—	—	—	C10	550
54-KS	375	54	79	1/4 HP, 1200, 230-460/3/60	—	—	—	C10	980
72-IS	250	72	38 1/2	1/4 HP, 1200, 230-460/3/60	—	—	—	C10	700
72-KS	500	72	79	1/4 HP, 1200, 230-460/3/60	—	—	—	C10	1280
36-JS	125	36	38 1/2	1/6 HP, 1800, 115/1/60	2 HP, 3600, 230-460/3/60	1120	920	C8	585
36-LS	250	36	79	1/6 HP, 1200, 115/1/60	5 HP, 3600, 230-460/3/60	1560	1280	C8	845
54-JS	188	54	38 1/2	1/4 HP, 1200, 230-460/3/60	5 HP, 3600, 230-460/3/60	1560	1280	C8	655
54-LS	375	54	79	1/4 HP, 1200, 230-460/3/60	5 HP, 3600, 230-460/3/60	1560	1280	C8	1160
72-JS	250	72	38 1/2	1/4 HP, 1200, 230-460/3/60	5 HP, 3600, 230-460/3/60	1560	1280	C8	1000
72-LS	500	72	79	1/4 HP, 1200, 230-460/3/60	5 HP, 3600, 230-460/3/60	2000	1720	C8	1600
72-CS	500	72	79	(2) 1/6 HP, 1200, 115/1/60	5 HP, 3600, 230/460/3/60	1560	1280	*C6G2E	1410

*Control Included

NATURAL VENTS (IS & KS MODELS) Silo Filter Vents without blowers are used to vent silos into which product is conveyed pneumatically. As the product fills the silo, it displaces air, which in turn combines with the air used to convey the material. This dust-laden air mass is then filtered through the silo filter vent before the air is discharged into the atmosphere through the vented door. The product is returned to the silo by gravity upon shaking of the filter bags.

BLOWER ASSISTED VENTS (JS & LS MODELS) Silo Filter Vents with blowers are used to create a slight negative pressure (vacuum) inside the silo, allowing the air mass to escape more rapidly and resulting in faster pneumatic unloading. This unit is also recommended for silos which do not have a positive seal (i.e. cracks, split seams, loose hatches, etc.) as the blower will prevent dust escaping by maintaining negative silo pressure. This also applies to silos that are filled by belt conveyors or bucket elevators.

CONTINUOUS DUTY VENT (72-CS) This Silo Filter Vent is widely used in pneumatic venting and other operations requiring continuous filtration. The housing is divided into two individual compartments. The unit achieves continuous operation by being able to collect dust in one compartment while the other is cleaning. Airflow is regulated from one compartment to the other by an electrically operated diverter valve. Filter bags are cleaned mechanically by two independent shaker systems, one in each compartment.

GRIFFIN ENVIRONMENTAL CO. INC.
7066 Interstate Island Road
Syracuse, NY 13209

Tel - 315-451-5300
Fax - 315-451-2338

SAFETY INFORMATION

This Griffin dust collector, like other industrial equipment, must be operated and maintained in accordance with our instructions and sound engineering practices. The User of this equipment must always be aware of the physical and chemical properties of the dust particles being collected. A surprising number of dusts are flammable, or prone to explosion. Materials or processes presenting such hazards must be identified by you, the User, so that you can request specific safety features be built into the dust collector.

Even though no hazard may originally exist, the User must still be alert to changes in the dust or process. For example, auxiliary processing equipment may induce high static electrical charges, or the composition of dust and air may change, either of which may greatly increase the chance of explosion and fire.

Griffin can provide features that will lessen these hazards. If this unit has not been so equipped, or your process is to be changed, or you have any concerns, we suggest you contact us to see how we can assist in making your process as safe as possible.

SAFETY INFORMATION

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In accordance with OSHA's General Industry Standards, 29 CFR part 1910, employers must develop standard practices and procedures to disable machinery or equipment and to prevent the release of potentially hazardous energy while maintenance and servicing activities are being performed.

A dust collector itself is not a suitable site for lockout/tagout protection. Lockout devices should be installed on the energy supply *prior* to the dust collector. The usual energy supplies are electricity, compressed air and the dust laden gas stream.

MAINTENANCE

The Griffin Silo Filter Vent requires little maintenance, however **DAILY INSPECTION** and **PERIODIC MAINTENANCE** is recommended to assure best performance and compliance with local environmental regulations. An accurate log of inspection dates and maintenance work should be maintained in order to assure that the baghouse is functioning properly, and to determine how often maintenance is required.

DAILY INSPECTION

- Vent or blower outlet should be observed to be certain there are no visible emissions.
- Listen for any unusual noise, particularly during the shaking cycle.

PERIODIC MAINTENANCE

BAGS

- Check for signs of wear, stretching.
- Leaking bags with holes may be loosened from shaker rack and tied off at the tubesheet until down time of collector allows replacement. Do not tie off more more than 5% of total bags.
- When bags show general sign of wear, replace all bags at the same time.
- See Bag Assembly, on last page, for instructions on proper hanging of bags.

BLOWER

- Check fan blades for wear or damage.
- Test run fan and listen for vibration.
- Lubricate motor with a lithium based grease every 6 months.

SHAKER MECHANISM

- When all bags are out for replacement, perform necessary maintenance to the shaker mechanism.
- 1/6 hp shaker motors have prelubricated, sealed bearings. 1/4 hp motors should be lubricated with a lithium based grease every 6 months.
- Inspect v-belt drive for wear and check alignment.
- Check drive arm alignment.
- Make certain that the bag rack is hanging square.
- Place a drop of light oil on the hanger and drive arm bearings.

HOUSING

- Check door and flange gaskets to make certain they are sealing air tight.
- Wire brush and paint any spots of rust

TROUBLE SHOOTING

DUSTY DISCHARGE FROM BAGHOUSE

- Worn bags
- Dust too fine for filter media
- Bags not properly snapped into tubesheet
- Leaking gaskets

VIBRATION:

- Inadequate support from silo
- Worn fan blade
- Bag rack hung uneven
- Uneven bag tension

REDUCED AIR FLOW:

- Fan running backwards
- Bags blinding due to moisture, improper baghouse installation, infrequent shaking or overloading
- Obstruction in air outlet

INSTALLATION

Griffin filter vents are factory tested and shipped to the customer fully assembled for easy installation. You should inspect your filter vent upon receipt to be certain it was not damaged in shipment and no accessory items were lost.

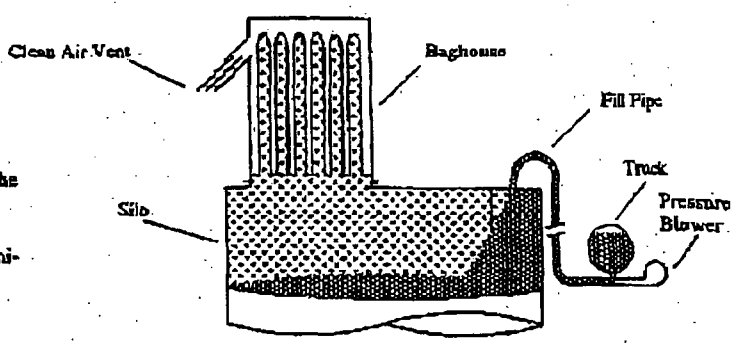
1. Filter vents should be mounted to a structurally sound base on the highest point of the silo and sealed air tight. Various roof adaptors are available from Griffin.
2. The material should not be allowed to stream directly at the vent. A deflector plate is recommended between the entrance of the material and the vent. The fill line and vent should be on opposite sides from one another.
3. The silo should never be overfilled and a minimum of 3 feet should be maintained between the material and the vent. A high level indicator is recommended.
4. Wire the shaker and fan motors according to the wiring diagram if the control panel is supplied by Griffin. Be certain the blower is rotating in the correct direction. If you choose to supply your own controls, the blower should be off while shaking and the shaker "ON" time must not exceed two minutes.
5. It is recommended that every silo be equipped with a pressure safety valve, available from Griffin.

OPERATION

Silo Filter Vents are designed to capture all dust particles that are displaced in the air from the loading process of a silo and return the collected dust back to the silo. There are three main types of filter vents; Natural Vents, Blower Assisted Vents and Continuous Duty Vents.

NATURAL VENTS (JS & KS models)

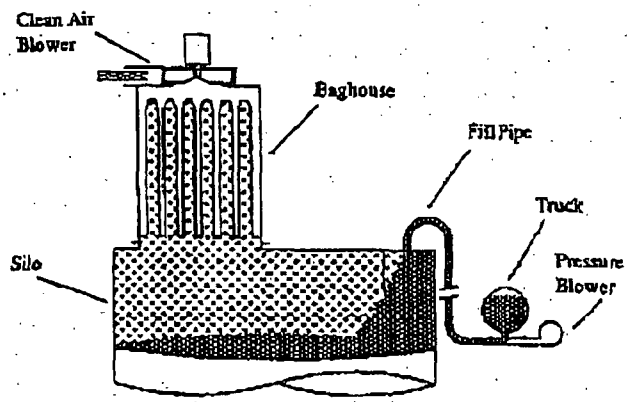
- Displaced air from the silo filling operation is filtered through the bags.
- After each truck is unloaded the bags must be cleaned.
- To clean the bags, shake them for approximately 60 seconds. (Mini-C10 control is optional).



NATURAL VENTS

BLOWER ASSISTED VENTS (JS & LS models)

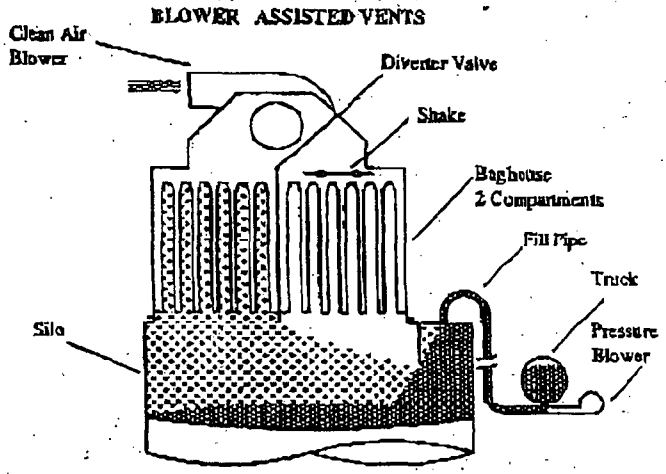
- Displaced air from the silo filling operation is filtered through the bags, while being assisted by a blower.
- After each truck is unloaded the bags must be cleaned.
- To clean the bags, turn the blower off and shake them for approximately 60 seconds. (Mini-C8 control is optional)



BLOWER ASSISTED VENTS

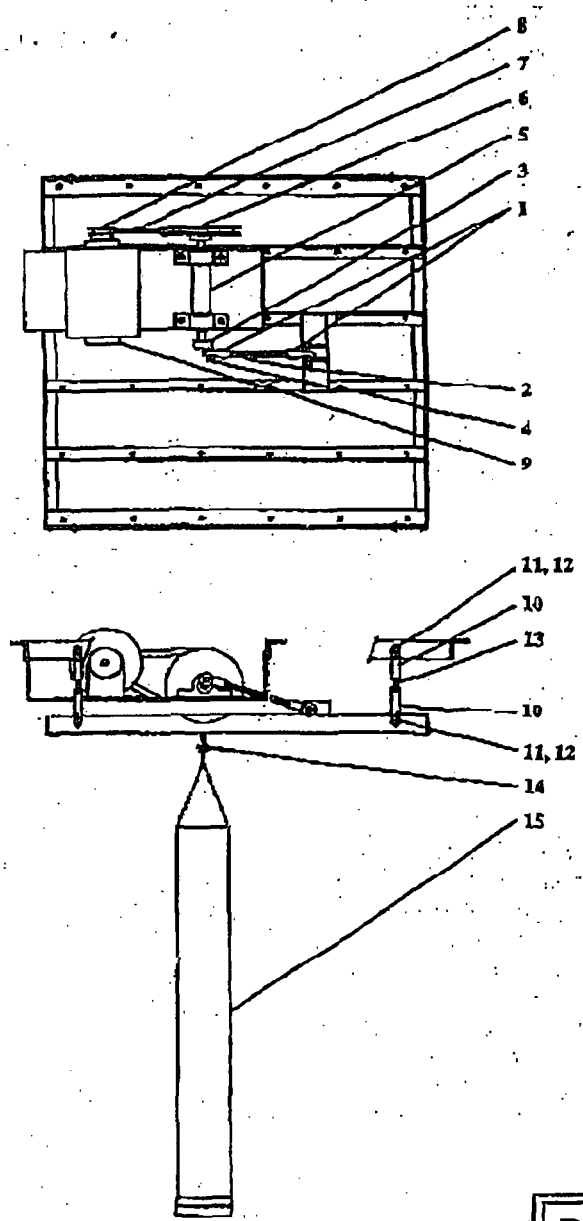
CONTINUOUS DUTY VENT (72-CS)

- The baghouse is split into two 36 bag compartments so that one is in use at all times.
- A timer switches the diverter valve to the opposite side once every hour. The timer can be adjusted to switch sides more frequently if necessary.
- Each time the damper position is switched, the compartment taken off line is shaken for 60 seconds. (C6G2E control is included).



CONTINUOUS DUTY VENT

REPLACEMENT PARTS

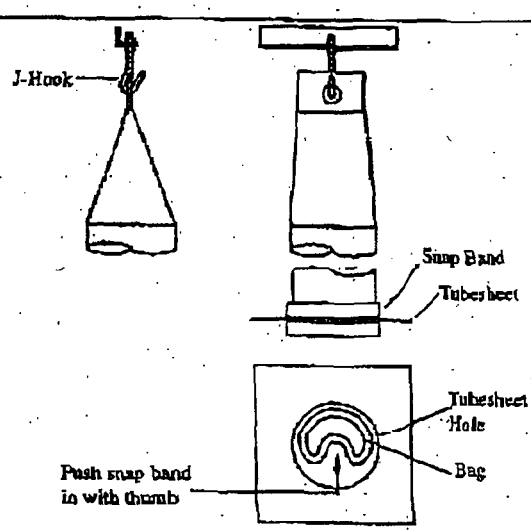


ITEM#	DESCRIPTION	PART #
	SHAKER DRIVE TRAIN KIT PARTS	
1.	3/8" Radial Bearing	400-PF6
2.	3/8" X 7" Mill Stud Fine	250-387MSF
3.	1/2" Brass Eccentric	400-ECC12B
4.	5/16" x 5/8" Shoulder Bolt	250-FS1658SB
5.	1/2" Saw Mandrel	400-6-8X956
	Kit (includes items 1 - 5)	825-RK1
	SHAKER MOTOR, V-BELT DRIVE PARTS	
6.	Large Pulley 6"PD x 1/2" Bore	400-AK64 1/2
7.	V-Belt	400-4L290
8.	Motor Pulley	400-AK17 1/2
9.	Motor (See Chart on Page 1)	
	1/6 HP, 1800, 115/1/60	300-1/6 1800 48T
	1/6 HP, 1200, 115/1/60	300-1/6 1200 48T
	1/4 HP, 1200, 230/460/3/60	300-1/4 1200 48T
	SHAKER RACK HANGER PARTS	
10.	3/8" Yoke End	400-38YE
11.	3/8" Clevis Pin	250-F38CP
12.	1/16" x 7/8" Cotter Pin	250-F11678PC
13.	3/8" - 24 UNF x 3 1/4" Threaded Rod	250-F383 14MSF
	BAGS	
14.	J Hook	250-F14SH
15.	Bags (See chart on page 1)	
	4" x 38 1/2" Snap In Filter Bag	550-438-DG
	4" x 79" Snap In Filter Bag	550-479-DG

When ordering parts, please include serial number of unit to insure the proper part will be received.

BAG ASSEMBLY

- Before attaching bags, make certain that the rack hangers are in the vertical position and are adjusted so the rack is level
- Loosen the bag hook nut to end of threads and hang the bag. Straighten the bag so the seam hangs vertically.
- Fold bottom snap band in with your thumbs and place into tubesheet hole. Align snap band groove with tubesheet and release band to snap it in place.
- Tighten down top nut on hook until bag is taut, but not tight. Tighten up bottom nut to lock screw in place.
- If majority of bags do not fit the rack, hangers may be lengthened or shortened.



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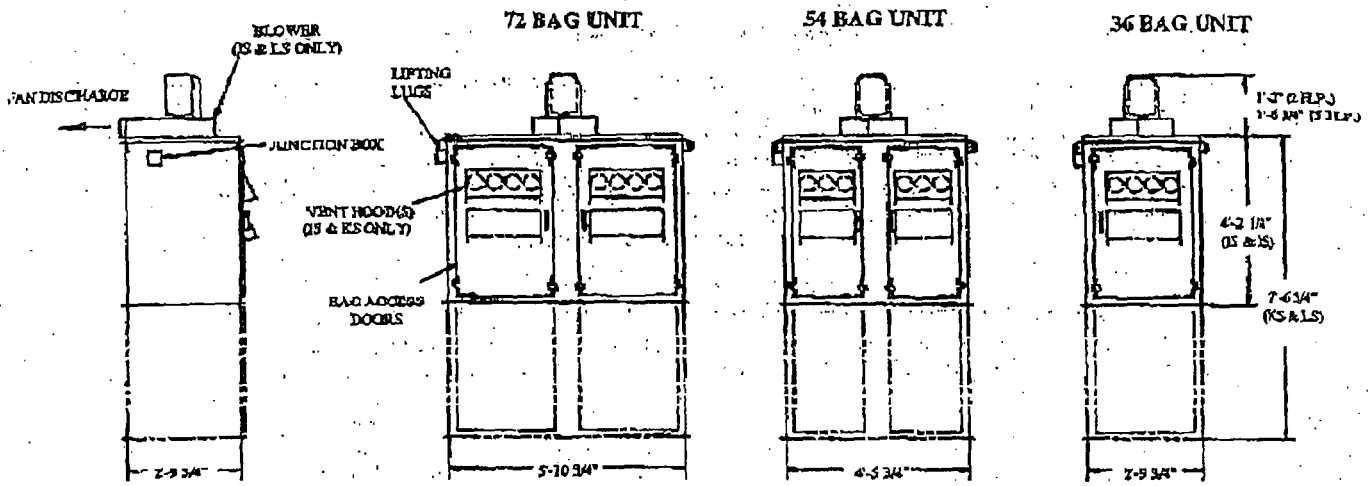
SILO FILTER VENT

INSTALLATION, OPERATION & MAINTENANCE



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MEDLEY MBI BLOCK INDUSTRIES
10505 W. OKEECHOBEE ROAD • SUITE 201
HIALEAH GARDENS, FL 33018

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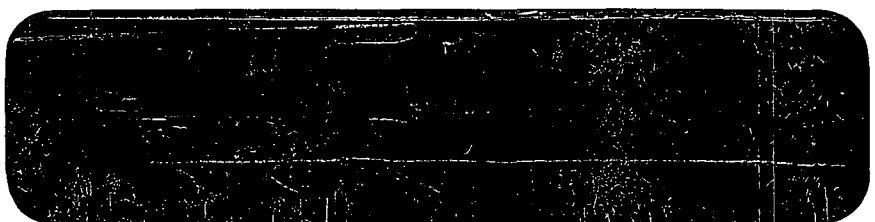
MAILED FROM ZIP CODE 33018



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