

March 14, 2006

Robert Filipski  
Maintenance Supervisor  
Curtis Niagara LLC  
50 Thielman Drive  
Buffalo, NY 14206

716/583-1392

Re: Absolent Proposal

Dear Bob:

We appreciate this opportunity and are pleased to offer the following proposal for furnishing quality Absolent Fiber Bed Collection Equipment for three SCHUTTE screw machines currently being serviced with one Royal F-900. The current collector severely undersized and the ducting is size incorrectly with improper joints and elbows. Each Schutte should have a minimum of 750 cfm to evacuate the cavity. The current outlets (4") are not large enough to vent the screw machine cavity and should be a minimum of (2) 5" ports to proper draw from the process. I will be forwarding basic duct layout designs from the 24<sup>th</sup> Edition of the Industrial Ventilation Manual. The Industrial Ventilation manual is used by most companies as a minimum requirement. IAQ usually proposes our systems to be higher than the minimum standards for long term performance.

The counts that were recorded with only (1) Schutte running are as follows:

Exhaust Reading from Royal F-900:	3.59 mg/m <sup>3</sup>
Readings from Door on Schutte (being exhausted into the plant): 3712	3.44 – 9.59 mg/m <sup>3</sup>
Absolent Guaranteed Readings from Exhaust:	.5 mg/m <sup>3</sup> (normally .005 mg/m <sup>3</sup> )

Absolent Fiber Bed Collectors are manufactured in Sweden and have been engineered to address heavy industrial applications that the typical (main stream) media or electronic air cleaners could/can not meet. This could be either clean air requirement's, practical maintenance schedule's; but more importantly, future permissible allowances of .5 mg/m<sup>3</sup>.

### Design Criteria

The proposed solution shall be maintenance free for a minimum of two-years. ***This means, that Curtis Screw Machine will not be required to provide maintenance to the fiber beds or the final HEPA filter for two years.*** After two years the fiber bed cassette can be removed, washed up to three times and reinstalled for continued usage, however usage is cut fifty percent with each wash. The final HEPA filter will require replacement anywhere from two years to five years. ***The proposed solution is guaranteed not to exceed .5 mg.m<sup>3</sup> exhausted from the ODF-4000 for a minimum of two years***

### Recommendation

The Absolute model ODF-4000 is being quoted to address three dumpster Schutte screw machines running at once. The unit is vertical and can be mounted on a stand, and ducted to each screw machine. IAQ has quote "no charge" for the first installation as good faith, however can not perform mechanical installations in the future at no cost.

**Absolent ODF-4000 Fiber Bed Mist & Smoke Collector**

**\$11,409.00**

- Vertical Configuration
- Motor: (2) 3.5 HP (Direct Drive Fans)
- Dimensions: L 82.8 "x W 24.4" x H 89.6"
- Weight: 970 Lbs.
- Air Volume: Actual Rating/ 2350 CFM
- Noise Level: 68 dBA @ 3 Meters from Outlet Grille
- Electrical: 220/440V, 3-Phase, 60Hz (Control Junction Box)
- Filtration:

2 Each	Filter Bed 1	170 Sq. Ft.
2 Each	Filter Bed 2	190 Sq. Ft.
2 Each	Absolute Filter	226 Sq. Ft.
- Inlet Plenum with Drain
- Front Load Filter Accessibility
- Magnehelic Gauges/ 0-5": (3 Each per Cell/ 6 Total)

**Nordfab QF Welded Seam Ducting & Custom Hood** **\$4,826.00**

- Flanged Inlet Connections for Absolent and Custom Hood (Over Exhaust Vent)
- Pipe, Elbows, Fittings, Hose Connections, Etc.
- Fire Damper (In-Line), Clamps, Pins, and Hardware
- Drain Assembly (with valve)

\* Pipe Run Based on a Maximum of 50 Linear Feet.

**Mechanical Materials for Installation** **\$668.00**

- Unistrut, Threaded Rod, Mounting Hardware
- Drain Kit Assembly (with valve)

**Mechanical Installation (Normal Cost \$2,450.00)** **\$000.00**

- Install (1) Absolent Fiber Bed Collector
- Install Inlets and Transitions
- Install Drain Assembly and Run Drain Line Back to Sump
- Labor, Travel and Living Expenses

\* Electrical By Others

**Performance Guarantee:**

Industrial Air Quality, Inc. (IAQ), along with Absolent will guarantee the complete system (all filters, fan, motor, gauges, etc for a period of two years. IAQ guarantees our installation for period of one year against workmanship, leaks, and faulty piping.

Freight/FOB: Absolent (Atlanta, GA)  
Nordfab Ducting (Thomasville, NC/ IAQ Warehouse, Youngsville, NC)  
Materials (IAQ Warehouse & Manufacturers)

Terms: 35% with Purchase Order  
65% Net 30 Upon Installation Completion

Drawings: IAQ will provide complete AutoCad drawings for the project. This will also allow you to install in house or via a local contractor if you choose not to use IAQ for the mechanical phase. Drawings are required to be signed off prior to any fabrication.

Again, I appreciate the opportunity to present this proposal for your consideration. Please call me if I can be of further assistance. IAQ looks forward to working with you on this project.

Respectfully,

Ed Sithes  
President

# PURCHASE ORDER

PURCHASE ORDER NO:

**COMPANY NAME:**  
Curtis Screw, NY  
Ed  
ODF 4000



**DELIVERY ADDRESS:**

Date: 03/06/06  
**TOTAL PURCHASE \$:** 4,645.30

**DELIVERY DATE:** 01/00/00  
**PURCHASE ORDER NO.:** 0  
**TERMS OF DELIVERY:**

**TOTAL NET PURCHASE \$:** 4,645.30

LINE	PCS	ITEM NO.	DESCRIPTION	SPECIAL	\$	\$ TOTAL
1	12	3200-0500-100000	PIPE 5" x 59.25" LONG	GALV. QF	19.35	232.20
2	14	3200-0700-100000	PIPE 7" x 59.06" LONG	GALV. QF	28.58	400.12
3	2	3200-1000-100000	PIPE 10" x 59.06" LONG	GALV. QF	37.35	74.70
4	8	3200-1200-100000	PIPE 12" x 58.75" LONG	GALV. QF	44.66	357.28
5	12	3202-0500-100000	ADJ NIPPLE WITH O-RING 5"	GALV. QF	10.81	129.72
6	7	3202-0700-100000	ADJ NIPPLE WITH O-RING 7"	GALV. QF	13.28	92.96
7	1	3202-1000-100000	ADJ NIPPLE WITH O-RING 10"	GALV. QF	14.45	14.45
8	2	3202-1200-100000	ADJ NIPPLE WITH O-RING 12"	GALV. QF	16.57	33.14
9	4	3210-0790-107000	ELBOW 7" 90Deg. 1.0CLR	GALV. QF	52.90	211.60
10	1	3210-1290-118000	ELBOW 12" 90Deg. 1.5CLR	GALV. QF	105.80	105.80
11	6	3210-0545-105000	ELBOW 5" 45Deg. 1.0CLR	GALV. QF	30.02	180.12
12	2	3210-0745-107000	ELBOW 7" 45Deg. 1.0CLR	GALV. QF	50.26	100.52
13	1	3210-1245-118000	ELBOW 12" 45Deg. 1.5CLR	GALV. QF	60.83	60.83
14	6	3240-0500-100000	MANUAL BLAST GATE 5"	GALV. QF	30.60	183.60
15	6	3250-0500-100000	ANGLE FLANGE ADAPTER 5"	GALV. QF	29.40	176.40
16	56	3260-0500-100000	CLAMP WITH PIN 5"	GALV. QF	6.55	366.80
17	36	3260-0700-100000	CLAMP WITH PIN 7"	GALV. QF	7.22	259.92
18	7	3260-1000-100000	CLAMP WITH PIN 10"	GALV. QF	8.33	58.31
19	16	3260-1200-100000	CLAMP WITH PIN 12"	GALV. QF	9.10	145.60
20	1	3220-1207-110000	BRANCH, A=12 B=07 C=10	GALV. QF (45 Deg)	98.23	98.23
21	1	3220-1007-107000	BRANCH, A=10 B=07 C=07	GALV. QF (45 Deg)	88.36	88.36
22	3	3221-0705-105000	Y-BRANCH, A=07 B=05 D=05	GALV. QF (90 Deg)	99.88	299.64
23	1		12" Plenum Box		375.00	375.00
24	6		5" Fire Dampers		100.00	600.00
						<b>4,645.30</b>

JOB CURTIS SREW MACHINE

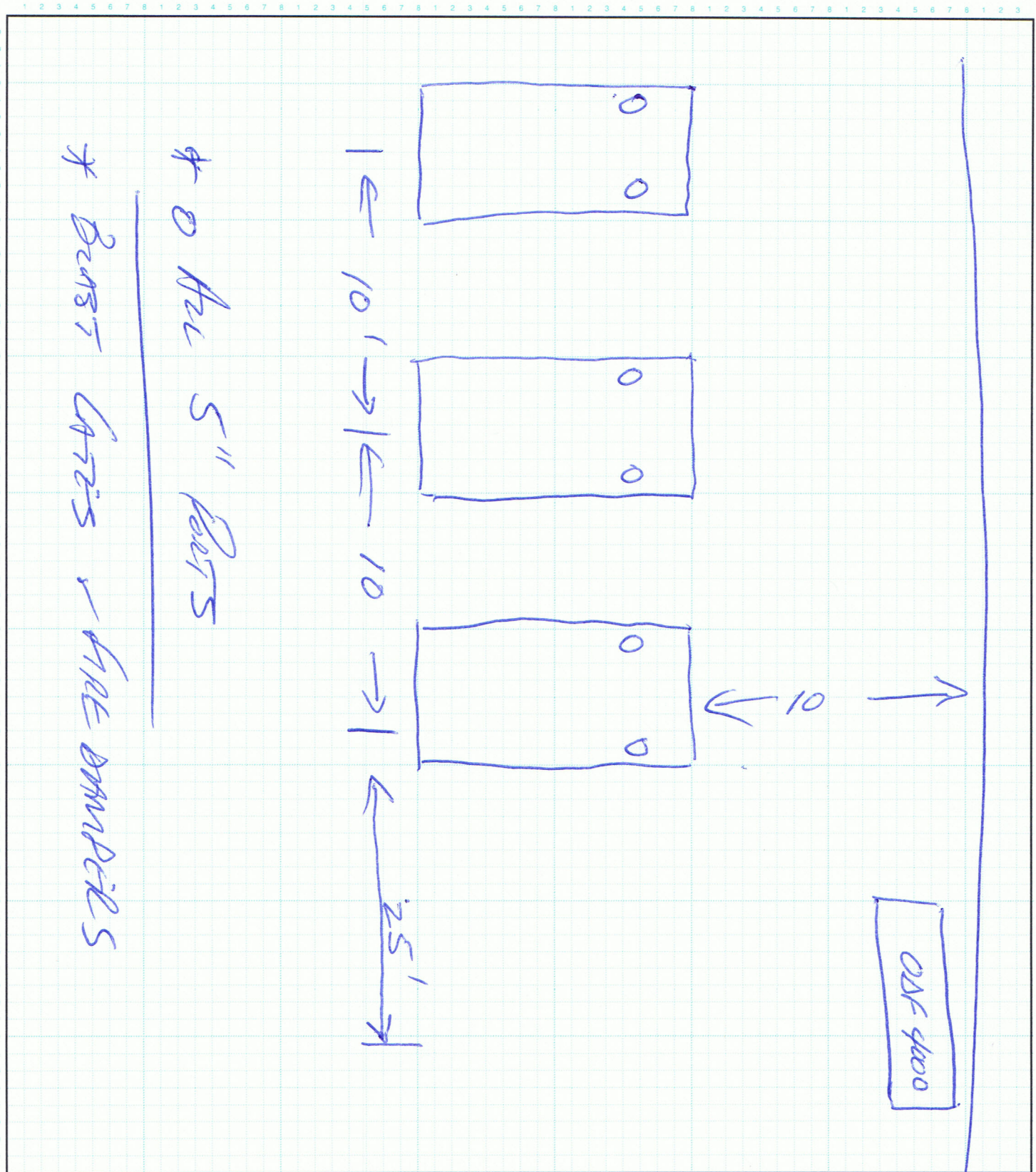
INDUSTRIAL AIR QUALITY, INC. (IAQ)  
Main: (919) 562-7181 Fax (919) 562-7182  
www.industrialairquality.com

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

SCALE \_\_\_\_\_



**INDUSTRIAL AIR QUALITY, INC. (IAQ)**  
Main: (919) 562-7181 Fax (919) 562-7182  
www.industrialairquality.com

JOB \_\_\_\_\_

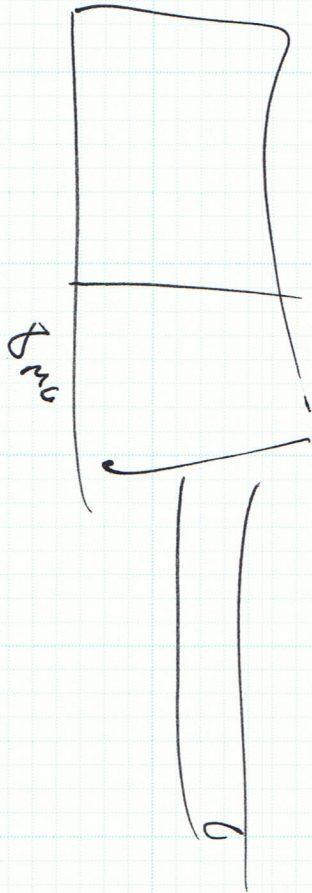
SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_

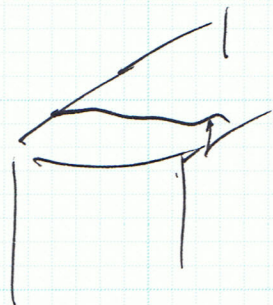
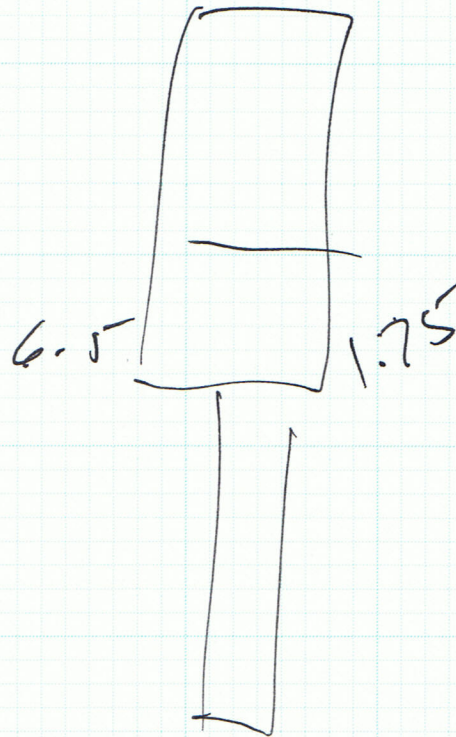
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

SCALE \_\_\_\_\_

3733



3732

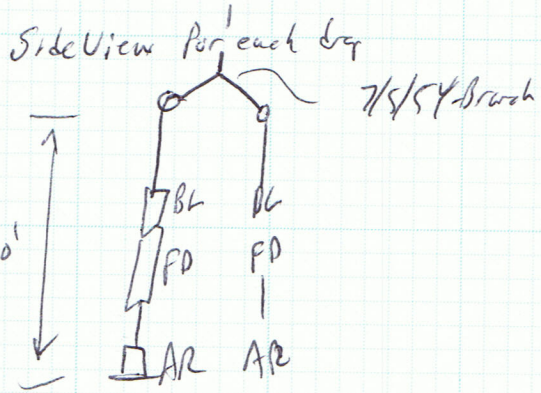
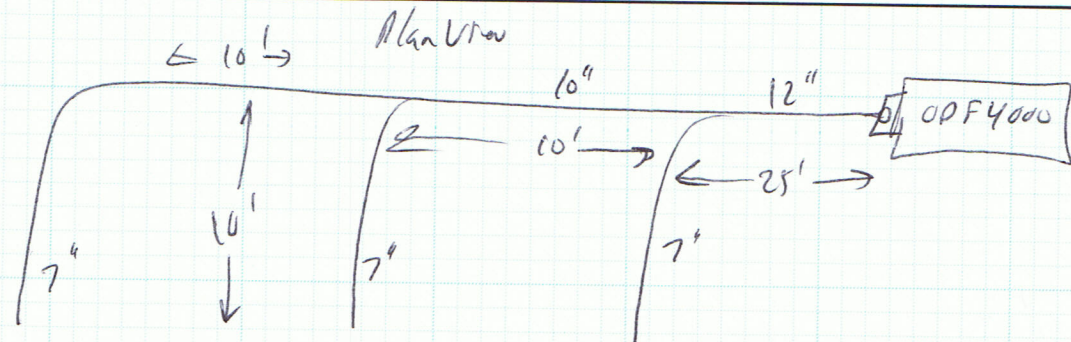


BOOK  
SIZES  
UNBID  
BATECK

JOB Curtis Screw / Ed

**INDUSTRIAL AIR QUALITY, INC. (IAQ)**  
 Main: (919) 562-7181 Fax (919) 562-7182  
 www.industrialairquality.com

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
 CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE 3/6/00  
 SCALE \_\_\_\_\_



12" Plain Box 1pc  
 Branch 12/7/10 1pc  
 10/7/7 1  
 Y-Branch 7/5/5 3pcs

7" P 14  
 N 7  
 C 36  
 90 4  
 45 2

12" 90 1  
 45 1  
 P 8  
 N 2  
 C 16  
 10" P 2  
 N 1  
 C 7

5" 90 -  
 45 6  
 P 12  
 N 12  
 C 56  
 AR 6  
 BL 6

5" Fire Dampers 5/100 Spm  
 10 Nipple



**WORK INSTRUCTION  
FOR "OIL MIST COLLECTORS"  
SCHEDULED PREVENTIVE MAINTENANCE**

Doc. # QA1563  
Revision: ~~A~~ B  
Page: 1 of 2  
Date: 01/18/2005

Robert J. Filipiski

Robert J. Filipiski

Prepared By: Facilities/Maintenance Coordinator

Approved By: Facilities/Maintenance Coordinator

**Purpose:**

The purpose of this work instruction is to provide instructions and assign responsibilities for performing and recording scheduled preventive maintenance on Oil Mist Collectors.

**Scope:**

This work instruction applies to the following Oil Mist Collector units:

FM

Manufacturer	Model Number	Trough #	At Machine #	Servicing Machines
Filtermist	F900-Black	4	3711	3718, 3716, 3712, 3711
Filtermist	F900-Black	4	3630	3715, 3630, 3770
Filtermist	F900-Black	4	3732	3750, 3740, 3733, 3732, 3731
Filtermist	F900-Black	4	3790	3730, 3790, 3640, 3620, 3610
Filtermist	F900-Black	4	3680	3680, 3690
Filtermist	F900-Black	4	3499	3493, 3560, 3499, 3498
Filtermist	F900-Black	4	3306	3307, 3306, 3309
Filtermist	F900-Black	4	3170	3190, 3170, 3160, 3308, 3900
Filtermist	F900-Black	5	3580	3550, 3500, 3570, 3580
Filtermist	F900-Black	5	3510	3530, 3520, 3510, 3420
Filtermist	F900-Black	5	3430	3497, 3430, 3440, 3450
Filtermist	F900-Black	5	3460	3460, 3470, 3480, 3490
Filtermist	F900-Black	5	3551	3492, 3491, 3551, 3305
Filtermist	F900-Black	5	3390	3380, 3390, 3391, 3393, 3395
Filtermist	F900-Black	5	3495	3400, 3495, 3315
Filtermist	F900-Black	5	3346	3346
Filtermist	F900-Black	6	3592	3594, 3593, 3592, 3591, 3496
Filtermist	F900-Black	6	3350	3370, 3360, 3350, 3340, 3330
Filtermist	F900-Black	6	3320	3320, 3310, 3300
Filtermist	F900-Black	6	3140	3140, 3180, 3150
Filtermist	F900-Black	6	3250	3250, 3240, 3220, 3210
Filtermist	F900-Black	6	3270	3270, 3260
Filtermist	F600-Yellow		4020	4020
Mist Buster	1XT-241212-1U		4010	4010
Losma	AS.5.L		679	679

FX600  
FX600

FX600

Mark  
1-19-05

*Jaime - originals in file folder*