$1,000.00 TS

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MAR 22 2013
DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE AQ PROGRAM

MASTERS BODY WORKS INC.

316 THAIN ROAD
LEWISTON, IDAHO 83501
208-746-0313

TO: DEPARTMENT OF ENVIRONMENTAL QUALITY

FROM: RICHARD MASTERS, OWNER MASTERS BODY WORKS

SUBJECT: REQUEST FOR PTC

ENCLOSED ARE THE FORMS TO GET A PTC AT 316 THAIN ROAD. I HAVE INCLUDED INFORMATION ON THE BOOTH AND MIX ROOM AS WELL. PLEASE LET ME KNOW IF YOU NEED ANY ADDITIONAL INFORMATION. ALSO INCLUDED IS A CHECK FOR $1000.00 PTC FEE.

THANK YOU,

RICHARD A. MASTERS
PRESIDENT, MASTERS BODY WORKS INC

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline: 1-877-5PERMIT

General Information **Form GI**
Revision 7
6/29/12

Please see instructions on back page before filling out the form. All information is required. If information is missing, the application will not be processed.

Identification

1. Facility name: MASTERS BODY WORKS, INC. 316 Thain Lewiston, ID 83501
2. Existing facility identification number: 069-00054 ☐ Check if new facility (not yet operating)
3. Brief project description: New Paint Booth + Paint Mixing Room (at New Location)

Facility Information

4. Primary facility permitting contact name: Richard A. Masters Contact type:
   Telephone number: 208-746-0313 E-mail: mastersbw@clearwire.net
5. Alternate facility permitting contact name: N/A NO OTHER Facility Alternate contact type: —
   Telephone number: — E-mail: —
6. Mailing address where permit will be sent (street/city/county/state/zip code): 316 THAIN Rd, LEWISTON, Id 83501
7. Physical address of permitted facility (if different than mailing address) (street/city/county/state/zip code): Same
8. Is the equipment portable? ☐ Yes* ☒ No *If yes, complete and attach PERF; see instructions.
9. NAICS codes: Primary NAICS: 811121 Secondary NAICS:
10. Brief business description and principal product produced: Auto Collision Repair + Paint
11. Identify any adjacent or contiguous facility this company owns and/or operates: NONE
12. Specify type of application ☒ Permit to construct (PTC); application fee of $1,000 required. See instructions.

☐ Tier I permit ☐ Tier II permit ☐ Tier II/Permit to construct

For Tier I permitted facilities only: If you are applying for a PTC then you must also specify how the PTC will be incorporated into the Tier I permit.

☐ Co-process Tier I modification and PTC ☐ Incorporate PTC at the time of Tier I renewal ☐ Administratively amend the Tier I permit to incorporate the PTC upon applicant's request (IDAPA 58.01.01.209.05.a, b, or c)

Certification

In accordance with IDAPA 58.01.01.123 (Rules for the Control of Air Pollution in Idaho), I certify based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

13. Responsible official's name: Richard A. Masters Official's title: Pres/owner
    Official's address: 316 THAIN Rd Lewiston Id 83501
    Telephone number: 208 746 0313 E-mail: mastersbw@clearwire.net
    Official's signature: Richard A Masters Date: 3-19-13

☐ 14. Check here to indicate that you want to review the draft permit before final issuance.

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

General Information **Form GI**
Revision 7
2/18/10

Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

1. Company Name	MASTERS BODY WORKS, INC. 316 Thain ~~Lewiston, ID 83501~~
2. Facility Name:	
3. Brief Project Description:	Move to new Location + Install a New paint Booth + Mix Room
4. Primary Facility Permit Contact Person/Title	Richard A. Masters – owner
5. Telephone Number and Email Address	208-746-0313 mastersbw@clearwire.net
6. Alternate Facility Contact Person/Title	N/A
7. Telephone Number and Email Address	N/A
8. Address to Which the Permit Should be Sent	316 THAIN Rd, Lewiston, Id 83501
9. City/County/State/Zip Code	Lewiston, Nez Perce, Idaho 83501
10. Equipment Location Address (if different than the mailing address above)	SAME
11. City/County/State/Zip Code	
12. Is the Equipment Portable?	Yes (No)
13. SIC Code(s) and NAICS Code	Primary SIC: 7532 Secondary SIC: NAICS: 811121
14. Brief Business Description and Principal Product	Auto Collision Repair + Paint
15. Indentify any adjacent or contiguous facility that this company owns and/or operates	None
16. Specify the reason for the application☐	(Permit to Construct (PTC))

Moved to a new business Location, Closed old Shop. Purchased a New Booth + Mix Room + need ~~new~~ new permit As per Local DEQ

For Tier I permitted facilities only: If you are applying for a PTC then you must also specify how the PTC will be incorporated into the Tier I permit.

Incorporate the PTC at the time of the Tier I renewal

Co-process the Tier I modification and PTC

Administratively amend the Tier I permit to incorporate the PTC upon your request (IDAPA 58.01.01.209.05.a, b, or c)

Tier I Permit

Tier II Permit

Tier II/Permit to Construct

In accordance with **IDAPA 58.01.01.123 (Rules for the Control of Air Pollution in Idaho), I** certify based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

17. Responsible Official's Name/Title	Richard A. Masters – Pres/owner		
18. Responsible Official's Signature		Date:	3/19/13

19. Check here to indicate that you would like to review the draft permit prior to final issuance.

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Units – Automotive Coating Information **Form EU6**
Revision 5
2/22/11

Complete this form for each paint booth. Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name: ~~MASTERS BODY WORKS, INC.~~ 316 Thain Lewiston, ID 83501	2. Facility Name: MASTERS BODY WORKS, INC. 316 Thain ~~Lewiston, ID 83501~~
3. Brief Project Description: INSTALL New Paint Booth & Mix Room @ 316 THAIN Location	

PAINT BOOTH INFORMATION

4. Booth Data:
- [X] New Booth ☐ Unpermitted Existing Booth If an existing booth, when was it installed? _____
- ☐ Modification to a Permitted Booth, Permit #: _____ Date Permit Issued: _____
- [X] Dry Filters? ☐ Dry Filters w/ a Wet Wall? ☐ Wet Wall only? ☐ Other, provide details: _____
- Booth Airflow Type: ☐ Down draft ☐ Semi-Downdraft [X] Side draft ☐ Other, provide details: _____

5. Booth Information: Manufacturer: Colmet-Aframe Model: AF 1410-26 Date Manufactured: 5/2012

6. Planned Construction Date (if applicable): Aug 2012

7. Is the booth equipped with a heater? No [X] Go to the next section Yes ☐ If "yes", answer the following questions.
Heating method: ☐ Electricity, Go to the next section ☐ Combustion
Who is the manufacturer of the booth heater? _____ MMBtu/hr What is the model number of the booth heater? _____
What is the heat input rating of the booth heater? _____ MMBtu/hr What fuel is used in the booth heater (i.e., natural gas or LPG)? _____
Is the worst-case operation of the booth heater **greater than 2,080** hours per year? No ☐ Go to the next section Yes ☐
If "Yes", what is the worse-case annual operation of the burner? _____ hrs/yr

8. Are bed lining spray operations performed at this facility? No [X] Go to the next section ☐ Yes, I am requesting an additional 4.0 gal/day limit for component "A" of a two stage "A + B" bed lining material.

SPRAY GUN DESCRIPTION AND SPECIFICATIONS

Gun No.	9. Manufacturer	10. Model	11. Type (e.g. HVLP, airless, conventional)	12. Gun Transfer Efficiency % per the manufacturer
1	ANEST IWATA	LPH 400	HVLP	+ 65%
2	GRACO	FX 3000	HVLP	+ 65%
3	SATA	Jet 90-2	HVLP	+ 65%
4				

REQUEST FOR PERMIT LIMITATIONS

13. Are you requesting a daily coating materials use permit limit (e.g. gallons per day)?
- [X] Yes, I am requesting a limit of 4.0 gal/day for all coating materials used at the facility. Note: In order to receive an Automotive Coating general permit a daily materials use limit of **4.0 gal/day** is required.
- ☐ No, Note: You will need to apply for a permit tailored to the situation at your facility, not an Automotive Coating general permit (see previous question).

EMISSIONS CONTROL DEVICE (FILTER) DESCRIPTION AND SPECIFICATIONS

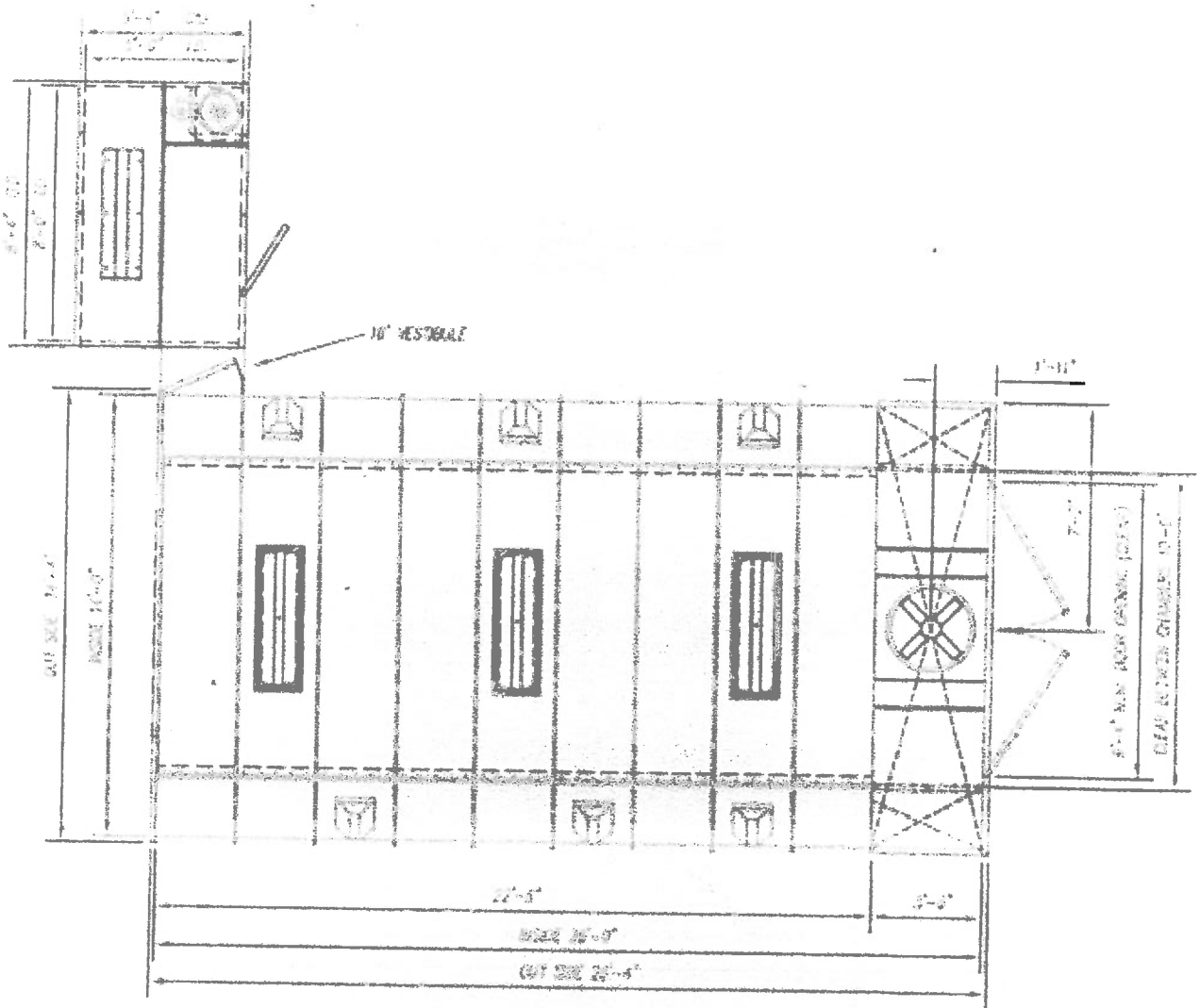
Stack Served	14. Filter Manufacturer	15. Model	16. PM_{10} Control Efficiency(%)[a]
1	~~[illegible]~~		
2	Superior Glass Filters	PA-18	99.6%
3			
4			

Note: a. Provide the filter manufacturer's documentation to support the control efficiency specified above.

PAINT STRIPPING ACTIVITIES

17. Is Methylene Chloride (MeCl) (CAS #75-09-2) used for paint stripping activities at this facility?
- [X] No, Note: In order to receive an Automotive Coating general permit **no MeCl** paint stripping activities can be performed at the facility.
- ☐ Yes, Note: In order to receive an Automotive Coating general permit no MeCl paint stripping activities can be performed at the facility (see previous question). You will need to apply for a permit tailored to the situation at your facility, not an Automotive Coating general permit.

A-Frame Paint Booths



CONCEPTUAL LAYOUT - BOOTH W/ MIX ROOM

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FOR CODE
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Home
Why A-Frame?
Paint Booth Basics
F.A.Q.
t Booths
Video Gallery
Photo Gallery
Project Gallery
$4995 Paint Booth
Auto Paint Booths
Truck Booths
Paint Mix Rooms
Hobby Booths
Used Booths
essories
Order Filters
Fire Systems
Sources
Financing
Referral Program
Permit Information
National Fire Code
Electrical Info
Building a Booth?
Services
Information
Customers
Waterborne
Fans
Air Flow
Filtration
Booth Maintenance
Shipping
Homemade Booth
Contact Us

[2] Subscribe To This Site

National Fire Code

Additional Code Information and Code Updates at the bottom of this page.

National Fire Code: A Frame's support goes beyond the sale. For distributors and end users alike, we will do everything within our power to make sure your experience with A Frame Paint Booths is a good one. For starters, here is a resource you might find helpful, paint spray booth codes and regulations.

3.3.14 Ventilation. As specified in this code, movement of air that is provided for the prevention of fire and explosion. It is considered adequate if it is sufficient to prevent accumulation of significant quantities of vapor-air mixtures in concentrations over one-fourth of the lower flammable limit. [30:1.6] National Fire Code:

5.3* Separation from Other Operations. Spray booths shall be separated from other operations by a minimum distance of 915 mm (3 ft) or by a partition, wall, or floor/ceiling assembly having a minimum fire resistance rating of 1 hour. Multiple connected spray booths shall not be considered as "other operations." Exception: As provided for in Section 13.3.

5.3.1 Spray booths shall be installed so that all parts of the booth are readily accessible for cleaning.

5.3.2 A clear space of not less than 915 mm (3 ft) shall be maintained on all sides and above the spray booth. This clear space shall be kept free of any storage or combustible construction.

Exception No. 1: This requirement shall not prohibit locating a spray booth closer than 915 mm (3 ft) to or directly against an interior partition, wall, or floor/ceiling assembly that has a fire resistance rating of not less than 1 hour, provided the spray booth can be maintained and cleaned. Exception No. 2: This requirement shall not prohibit locating a spray booth closer than 915 mm (3 ft) to an exterior wall or a roof assembly provided the wall or roof is constructed of noncombustible material and provided the spray booth can be maintained and cleaned. National Fire Code:

6.4 Electrical Devices in Spray Areas. 6.4.1 Electrical wiring and utilization equipment that is located in the spray area and is not subject to deposits of combustible residues shall be suitable for Class I, Division 1; Class I, Zone 1; or Class II, Division 1 locations, whichever is applicable.

6.4.2* Electrical wiring and utilization equipment that is located in the spray area and is subject to deposits of combustible residues shall be listed for such exposure and shall be suitable for Class I, Division 1; Class I, Zone 1; or Class II, Division 1 locations, whichever is applicable.

6.5 Electrical Devices Adjacent to Spray Areas. Electrical wiring and utilization equipment located adjacent to the spray area shall be classified in accordance with 6.5.1 through 6.5.5.

6.5.1 Electrical wiring and utilization equipment located outside, but within 6100 mm (20 ft) horizontally and 3050 mm (10 ft) vertically, of an unenclosed spray area and not separated from the spray area by partitions extending to the boundaries of the area designated as Division 2 or Zone 2 in Figure 6.5.1 shall be suitable for Class I, Division 2; Class I, Zone 2; or Class II, Division 2 locations, whichever is applicable.

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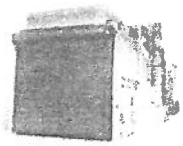
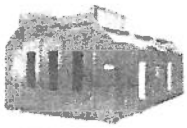

Large Equipment

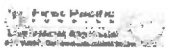
Premier Systems


Aviation & NESHAP

Compare Booth Designs

How-To Videos

Professional Installation


Fast Financing

Division 2 Locations Adjacent to an Open-Faced or Open-Front Spray Booth or Spray Room with Exhaust Ventilation not Interlocked with Spray Application Equipment. National Fire Code

National Fire Code

6.2.5.1 The Class I, Division 2; Class I, Zone 2; or Class II, Division 2 locations shown in Figure 6.5.2(a) and Figure 6.5.2(b) shall extend from the edges of the open face or open front of the booth or room in accordance with the following:

(1) If the exhaust ventilation system is interlocked with the spray application equipment, then the Division 2 or Zone 2 location shall extend 1525 mm (5 ft) horizontally and 915 mm (3 ft) vertically from the open face or open front of the booth or room, as shown in Figure 6.5.2(a). (2) If the exhaust ventilation system is not interlocked with the spray application equipment, then the Division 2 or Zone 2 location shall extend 3050 mm (10 ft) horizontally and 915 mm (3 ft) vertically from the open face or open front of the booth or room, as shown in Figure 6.5.2(b).

6.5.2.2 For the purposes of 6.5.2, interlocked shall mean that the spray application equipment cannot be operated unless the exhaust ventilation system is operating and functioning as designed and spray application is automatically stopped if the exhaust ventilation system fails.

6.5.3 If spray application operations are conducted within an open-top booth, any electrical wiring or utilization equipment located within the space 915 mm (3 ft) vertically from the top of the booth shall be suitable for Class I, Division 2; Class I, Zone 2; or Class II, Division 2 locations, whichever is applicable. In addition, any electrical wiring or utilization equipment located within 915 mm (3 ft) in all directions of openings other than the open top also shall be suitable for Class I, Division 2; Class I, Zone 2; or Class II, Division 2 locations, whichever is applicable.

6.5.4 If spray application operations are confined to an enclosed spray booth or room, any electrical wiring or utilization equipment located within 915 mm (3 ft) of any opening shall be suitable for Class I, Division 2; Class I, Zone 2; or Class II, Division 2 locations, whichever is applicable, as shown in Figure 6.5.4.

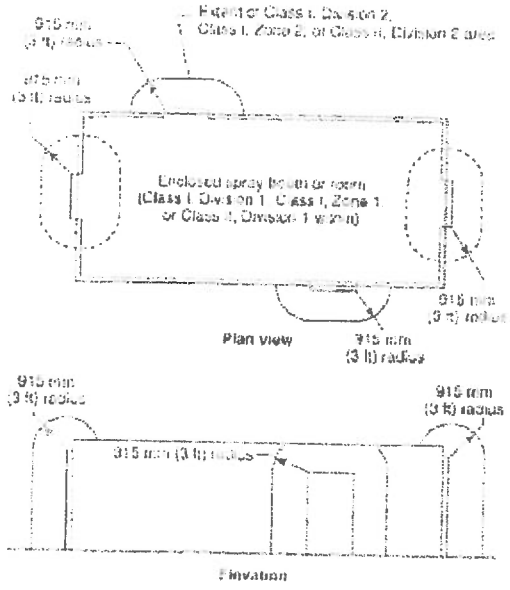


FIGURE 6.5.4 Class I, Division 2; Class I, Zone 2; or Class II, Division 2 Locations Adjacent to an Enclosed Spray Booth or Spray Room.

National Fire Code

6.5.5 Open containers, supply containers, waste containers, spray gun cleaners, and solvent distillation units that contain Class I liquids shall be located in areas ventilated in accordance with applicable requirements of Chapter 7.

6.5.5.1 Electrical area classification shall be as follows:

(1) The area within 915 mm (3 ft) in all directions from any such container or equipment and extending to the floor or grade level shall be classified as

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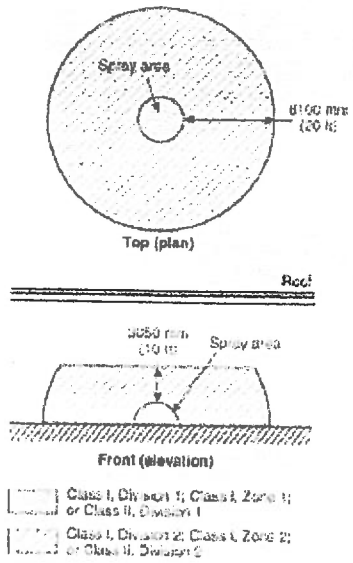


FIGURE 6.5.1 Electrical Area Classification for Open Spray Areas. National Fire Code

6.5.2 If spray application operations are conducted within a closed-top, open-face or open-front booth or room, any electrical wiring or utilization equipment located outside of the booth or room but within the boundaries designated as Division 2 or Zone 2 in Figure 6.5.2(a) and Figure 6.5.2(b) shall be suitable for Class I, Division 2; Class I, Zone 2; or Class II, Division 2 locations, whichever is applicable. National Fire Code

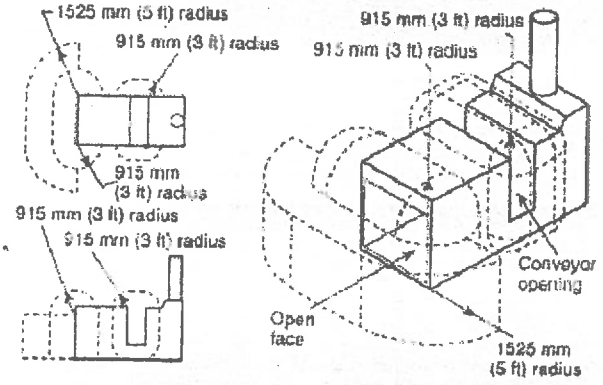


FIGURE 6.5.2(a) Class I, Division 2; Class I, Zone 2; or Class II, Division 2 Locations Adjacent to an Open-Faced or Open-Front Spray Booth or Spray Room with Exhaust Ventilation Interlocked with Spray Application Equipment. National Fire Code

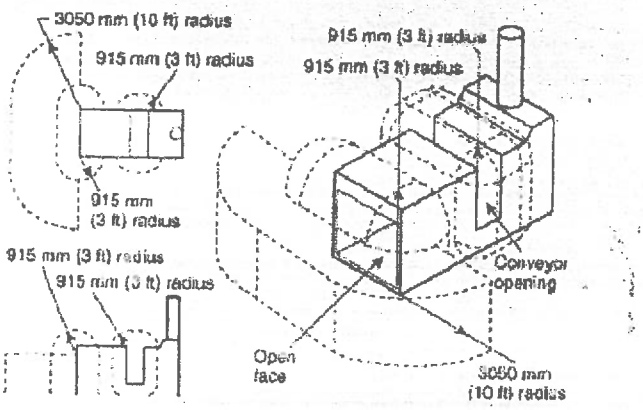
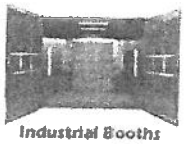


FIGURE 6.5.2(b) Class I, Division 2; Class I, Zone 2; or Class II,


Industrial Booths

Cabinet Prep Stations

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Class I, Division 1 or Class I, Zone 1, whichever is applicable. (2) The area extending 610 mm (2 ft) beyond the Division 1 or Zone 1 location shall be classified as Class I, Division 2 or Class I, Zone 2, whichever is applicable. (3) The area extending 1525 mm (5 ft) horizontally beyond the area described in (2) up to a height of 460 mm (18 in.) above the floor or grade level shall be classified as Class I, Division 2, or Class I, Zone 2, whichever is applicable. (4) The area inside any tank or container shall be classified as Class I, Division 1, or Class I, Zone 0, whichever is applicable.

6.5.5.2 Electrical wiring and utilization equipment installed in these areas shall be suitable for the location, as shown in Figure 6.5.5.2.

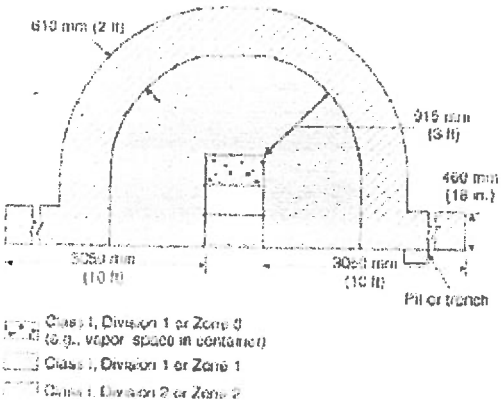

FIGURE 6.5.5.2 Electrical Area Classification for Class I Liquid Operations Around Open Containers, Supply Containers, Waste Containers, Spray Gun Cleaners, and Solvent Distillation Units.
National Fire Code

6.6 Light Fixtures.

6.6.1

Light fixtures as shown in Figure 6.6.1 that are attached to the walls or ceilings of a spray area, but are outside of any classified area and are separated from the spray area by glass panels that meet the requirements of Section 5.5, shall be suitable for use in unclassified locations. Such fixtures shall be serviced from outside the spray area. National Fire Code

Part 63 - National Emissions Standards for Hazardous Air Pollutants for Source Categories: Subpart HHHHHH

Return From National Fire Code to Home Page

A-Frame Paint Booth 877-338-3006

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PAINT ARRESTANCE FILTER TEST REPORT
Spray Removal Efficiency & Paint Holding Capacity

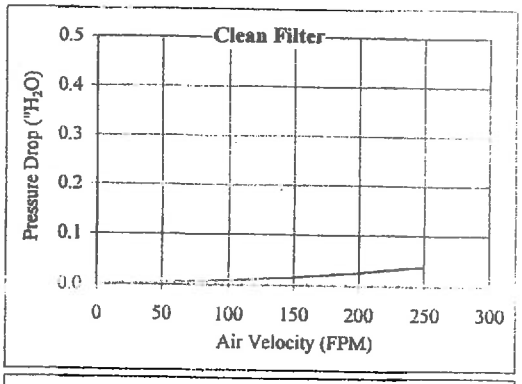
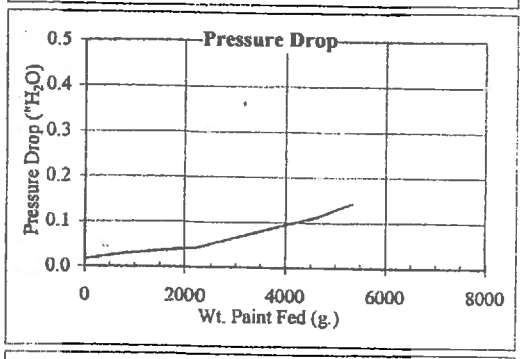
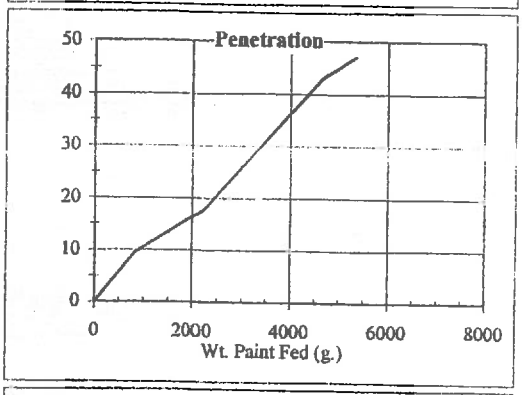
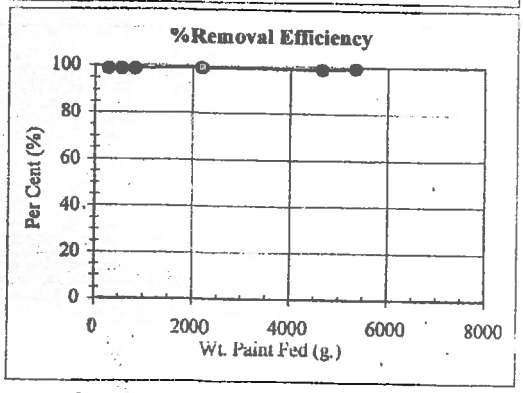
Tested for:	**Air Flow Technology Inc.**
Filter Mfr.:	**Air Flow Technology Inc.**
Filter Name:	**15 Grams Paint Arrestor**
Report#./Test#	**R 660 T 760**
Report Date:	**March 16, 2005**

Test Information

FILTER DESCRIPTION:
White/Green highloft fiberglass
PAINT DESCRIPTION:
High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)
PAINT SPRAY METHOD:
Conventional Air Gun at 40 PSI
SPRAY FEED RATE:
137 gr./min. **130** cc./min.
AIR VELOCITY:
150 FPM

Test Results

INITIAL PRESSURE DROP of Clean Test Filter
0.02 in. water
FINAL PRESSURE DROP of Loaded Test Filter
0.14 in. water
WEIGHT GAIN on TEST FILTER & Test Frame Trough
3925 grams
PAINT HOLDING CAPACITY of TEST FILTER
1073 grams = **2.4** lbs.
PAINT RUN-OFF
2852 grams
WEIGHT GAIN on FINAL FILTER
47.1 grams = **PENETRATION**
AVERAGE REMOVAL EFFICIENCY of TEST FILTER
98.81 %

COMPLIANT WITH 40 CFR PART 63 NESHAP

Test Engineer: Todd Kruger
Supervising Engineer: K. C. Kwok, Ph.D.