



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

April 25, 2008

Mr. Ken La Greca
MAACO Collision Repair and
Auto Painting
2530 Irlo Bronson Memorial Highway
Kissimmee, Florida 34744

Dear Mr. La Greca:

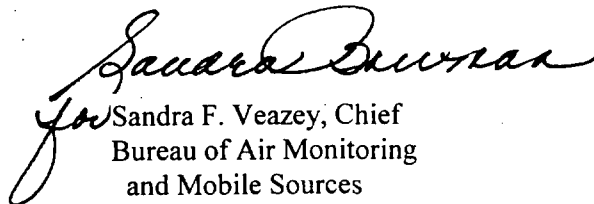
This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your facility was received on March 24, 2008. We have assigned ARMS No. 0970088-001 to this facility.

As you know, pursuant to Florida Statutes section 403.814, authority to operate under general permits commences thirty days after receipt of the registration form unless you have been notified by this office that your facility has not shown entitlement to operate pursuant to the rule provisions.

For your information, authority to operate pursuant to Rule 62-210.310 expires after 5 years. Therefore, a new registration form must be received no later than 5 years after the date your notice was received as indicated above. If your general permit rule conditions require testing, such testing must be completed within the time frame specified in the rule.

If you have any additional questions, please contact Dickson Dibble at 850/921-9586.

Sincerely,


Sandra F. Veazey, Chief
Bureau of Air Monitoring
and Mobile Sources

SFV/pg

cc: Ms. Caroline Shine, Central District

**SURFACE COATING OPERATIONS
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)

0970088-001

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.)

Ken La Greca, Rol United Inc.

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.)

MAACO Collsion Repair and Auto Painting

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

Street Address: 2530 E. Irlo Bronson Memorial Highway

City: Kissimmee

County: Osceola

Zip Code: 34744

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility)
May 15, 2008

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: Ken La Greca, Owner

Owner/Authorized Representative Mailing Address

Organization/Firm: Rol United, Inc. dba MAACO Collision Repair and Auto Painting
Street Address: 2530 Irlo Bronson Memorial Highway
City: Kissimmee County: Osceola Zip Code: 34744

Owner/Authorized Representative Telephone Numbers

Telephone: 321 388 5441 Fax:
Cell phone (optional): 352 978 8953

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:

Facility Contact Mailing Address

Organization/Firm:
Street Address:
City: County: Zip Code:

Facility Contact Telephone Numbers

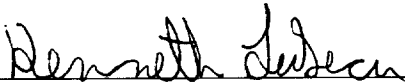
Telephone: Fax:
Cell phone (optional):

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

3-19-08
Date

Material Usage Rates

If this is an **initial registration** for a surface coating operation, provide an estimate of the average quantity of volatile organic compounds in all coatings (solvents and thinners) expected to be used on a daily basis.

34 lbs/day

If this is a **re-registration** for an existing surface coating operation, provide the highest monthly average of the daily quantity of volatile organic compounds in all coatings (solvents and thinners) used in the last five years. Indicate the month and year during which this usage occurred.

Description of Facility

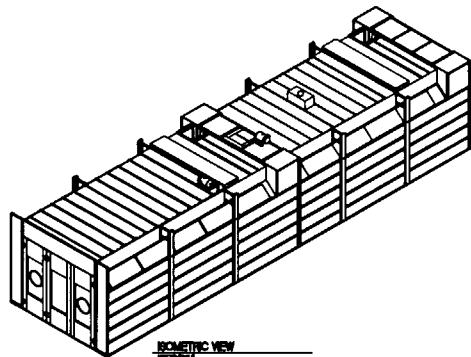
Below, or as an attachment to this form, provide a description of the surface coating operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility.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

Rol United, Inc. dba MAACO Collision Repair and Auto Painting, is an auto body shop used for the refinishing and resurfacing of automobiles. This facility is installing a Garmat Tier 1 Paint Spray booth and Oven. The paint spray booth is a pressurized semi-downdraft booth with glass fiber filtration media (96.5% efficiency) for particulate control. The booth and oven each contain a 997,000 Btu natural gas fired burner. The emissions from the equipment will consist of VOC's and a small amount of particulate after filtration. Criteria pollutants from the combustion of natural gas are also emitted. (Detailed emission calculations are attached) The applicator is a high efficiency gravity feed gun that provides equal or better efficiency of transfer than HVLP. A Hercules GW/R-T totally enclosed gun washer will also be used for cleanup.

Drawing and Specifications

PRESSURIZED SEMI-DOWNDRAFT SPRAY BOOTH GAS FIRED OVEN

Manufacture	Type		Model #	Dimensions
GARMAT TIER 1 BOOTH or Equivalent	<p>Pressurized Semi-Down Draft Spray Booth Exhaust: 25" x 25" 7.5 HP, 3 Phase. 10,000 CFM's. Exhaust Fan Make: NICONTRA, Model # 632N49W. Exhaust Fan Motor: Make & #, BALDOR, M3710T Air Intake Unit: 25" x 25" 7.5 HP, 3 Phase, 10,000 CFMs BTUs: 997,000 NATURAL GAS</p>			13' - 6 5/8" x 27' 1 3/4"
GARMAT TIER 1 OVEN or Equivalent	<p>Recirculation Gas Fired Oven. Purge Exhaust: 12" x 12" 1/3 HP, 3 Phase, 8,000 CFMs Exhaust Fan & Motor Make: GRAINGER, Model # 17F921 Intake: 12" x 12" Intake Duct w/ 5 HP, 3 Phase, 8,000 CFMs BTUs: 997,000 Natural Gas</p> <p>Overall Spray Booth & Oven Dimensions</p>			13' - 6 5/8" x 24' 1 7/8"
Exhaust Filter Info	Spray Booth - Glass Fiber Media, 96.5% efficiency	FILTRAIR	PA - 21	8) 59.5" x 24"
Intake Filter Info	Spray Booth - Thermally bonded & impregnated in full depth to prevent release of fibers & migration of particles larger than 5 microns. 99.5% efficiency	FILTRAIR	CC 600 G	8) 38.5" x 61.42"
	Oven - Thermally bonded & impregnated in full depth to prevent release of fibers & migration of particles larger than 5 microns. 99.5% efficiency	FILTRAIR	CC 600 G	8) 38.5" x 61.42"
Hercules	Gun Washer		G200	
DeVilbiss	HIGH EFFICIENCY GRAVITY FEED		GFG-670 Plus Gravity Gun	



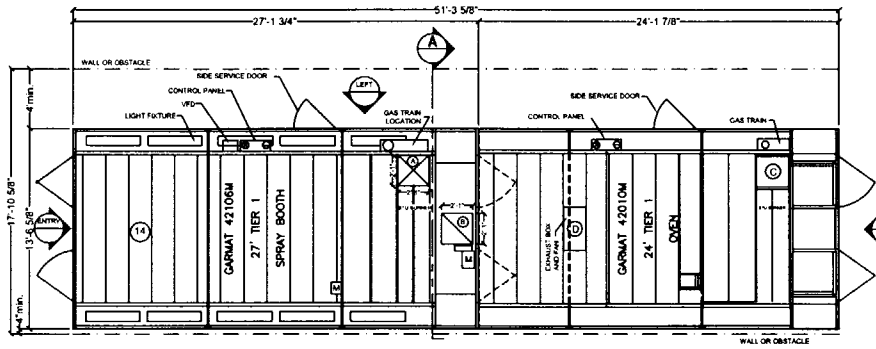
ISOMETRIC VIEW

THE GARMAT 42106 27-TIER 1 SPRAY BOOTH WILL REQUIRE:

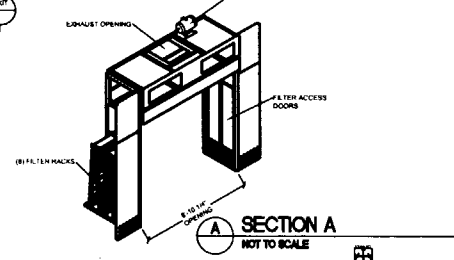
1. AT ELECTRICAL DROP THE LIGHTING (14, 4-TUBE INTERIOR ACCESSIBLE LIGHT FIXTURES) WILL REQUIRE TWO 120v/20amp SINGLE PHASE CIRCUITS STANDARD, OR TWO 277v/10 amp, SINGLE PHASE CIRCUITS OPTIONAL. UPGRADED LIGHTING WILL REQUIRE AN ADDITIONAL LIGHT CIRCUIT.
2. AT ELECTRICAL DROP THE TWO STANDARD 7.5hp MOTORS WILL REQUIRE 208v/80amp, 240v/80amp, OR 480v/30amp, THREE PHASE SERVICE.
3. ALL ELECTRICAL CONNECTIONS SHOULD BE IN ACCORDANCE TO THE CURRENT NEC (NATIONAL ELECTRICAL CODES). VERIFY COMPLIANCE OF LOCAL CODES WITHIN THE JURISDICTION OF THE INSTALLATION SITE.
4. ALLOW ADEQUATE CLEARANCE OF 3" MINIMUM FROM ALL SPARKING ELECTRICAL COMPONENTS, TO CONFORM TO THE CURRENT NFPA (NATIONAL FIRE PROTECTION ASSOCIATION) 33, EDITION.
5. REMOTE CONTROL PANEL TO BE PLACED WITHIN 20' OF MAIN CONTROL PANEL, AND NOT TO BE WITHIN 4' OF A BOOTH OPENING, IN COMPLIANCE WITH THE CURRENT NEC EDITION.
6. SUPPLY 100 PSI COMPRESSED AIR TO MAIN GARMAT CONTROL PANEL, INCLUDING SHUT OFF VALVE (NOT SUPPLIED). CLEAN AND DRY AIR IS REQUIRED BEFORE THE SPRAY BOOTH CONTROL PANEL. A QUALITY AIRLINE DRYER (NOT SUPPLIED) CAPABLE OF A CONSTANT 17 CFM SHALL BE INSTALLED PRIOR TO MAIN CONTROL PANEL. AN ADEQUATE PRESSURE REGULATOR (NOT SUPPLIED) CAPABLE OF A CONSTANT 17 CFM AT 90 PSI IS RECOMMENDED PRIOR TO ENTERING THE SPRAY BOOTH CABIN (DO NOT MOUNT REGULATORS OR AIR FILTERS INSIDE THE BOOTH CABIN).
7. BURNER SIZE: 997,000 btu
8. SUPPLY GAS PIPING TO GAS TRAIN, INCLUDING UNION AND DRIP LEG (1 1/4" CONNECTION AT GAS TRAIN INLET). (RECOMMENDED DEDICATED LINE FROM METER WHEN POSSIBLE). GAS PRESSURE MUST BE A MINIMUM OF 1/4" WC (7" w.c.) AND A MAXIMUM OF 3/4" WC (21" w.c.). CAPACITY TO PROVIDE FOR 997,000 BTU BURNER. VENTING OF REGULATOR AND VALVES ON GAS TRAIN TO THE EXTERIOR OF BUILDING - MINIMUM OF 10' FROM INTAKE.
9. LEVEL FLOOR +/- 1/8"
10. ALLOW ADEQUATE SPACE AROUND THE BOOTH IN ACCORDANCE TO THE CURRENT NFPA 33, EDITION.
11. MEANS OF EGRESS TO CONFORM TO THE CURRENT NFPA 101, EDITION.
12. A MINIMUM CLEARANCE OF 20' IS REQUIRED FROM FRONT OF THE BOOTH TO ANY WALL OR OBSTACLE FOR OPTIMUM TURNING RADIUS.
13. HEIGHT OF BOOTH CABIN IS 11'-2 3/8". HIGHEST POINT IS 11'-10 7/8".
14. PROVIDE FOR UNOBSTRUCTED EXPLOSION RELIEF IN ACCORDANCE TO THE CURRENT NFPA 86, ED EDITION.
15. AN APPROVED AUTOMATIC FIRE EXTINGUISHING SYSTEM SHALL BE PROVIDED BY OTHERS, IN ACCORDANCE TO THE CURRENT NFPA 33, EDITION.

OVEN REQUIREMENTS:

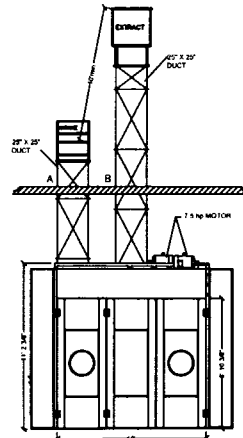
1. AT ELECTRICAL DROP LIGHTING (14, 4-TUBE INTERIOR ACCESSIBLE LIGHT FIXTURE) WILL REQUIRE ONE 120v/27, 20/10amp, SINGLE PHASE CIRCUITS. 110v STANDARD, 277v OPTIONAL. UPGRADED LIGHTING WILL REQUIRE AN ADDITIONAL LIGHT CIRCUIT.
2. AT THE ELECTRICAL DROP EACH MOTOR WILL REQUIRE 208/240/480v (575 OUTSIDE OF USA), 30/30/10amp, THREE PHASE SERVICE FOR ONE 10hp MOTOR AND ONE 5hp MOTOR.
3. ALL ELECTRICAL CONNECTIONS SHOULD BE IN ACCORDANCE TO THE CURRENT NEC (NATIONAL ELECTRICAL CODES). VERIFY COMPLIANCE OF LOCAL CODES WITHIN THE JURISDICTION OF THE INSTALLATION SITE.
4. ALLOW ADEQUATE CLEARANCE OF 3" MINIMUM FROM ALL SPARKING ELECTRICAL COMPONENTS, TO CONFORM TO THE CURRENT NFPA (NATIONAL FIRE PROTECTION ASSOCIATION) 33, EDITIONED.
5. REMOTE CONTROL PANEL TO BE PLACED WITHIN 20' OF MAIN ELECTRICAL PANEL, AND NOT TO BE WITHIN 3' OF A BOOTH OPENING, IN COMPLIANCE WITH THE CURRENT NEC EDITION.
6. BURNER SIZE: 997,000 btu
7. SUPPLY GAS PIPING TO GAS TRAIN, INCLUDING UNION AND DRIP LEG (1 1/4" CONNECTION AT GAS TRAIN INLET). (RECOMMENDED DEDICATED LINE FROM METER WHEN POSSIBLE). GAS PRESSURE MUST BE A MINIMUM OF 1/4" PSI (7" w.c.) AND A MAXIMUM OF 3/4" PSI (21" w.c.). CAPACITY TO PROVIDE FOR 997,000 BTU BURNER. VENTING OF REGULATOR AND VALVES ON GAS TRAIN TO THE EXTERIOR OF BUILDING - MINIMUM OF 10' FROM INTAKE.
8. LEVEL FLOOR +/- 1/8"
9. ALLOW ADEQUATE SPACE AROUND THE BOOTH IN ACCORDANCE TO THE CURRENT NFPA 33, EDITION.
10. MEANS OF EGRESS TO CONFORM TO THE CURRENT NFPA 101, EDITION.
11. A MINIMUM CLEARANCE OF 20' IS REQUIRED FROM FRONT OF THE BOOTH TO ANY WALL OR OBSTACLE FOR OPTIMUM TURNING RADIUS.
12. HEIGHT OF OVEN CABIN IS 11'-2 3/8". HIGHEST POINT 14'-2 1/8".



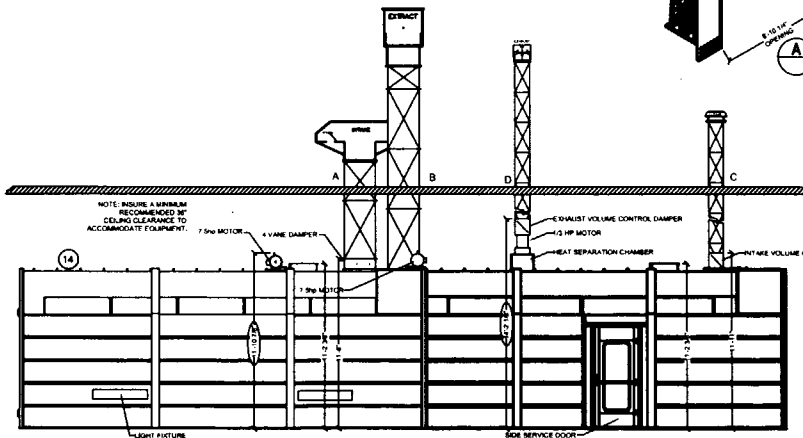
PLAN VIEW



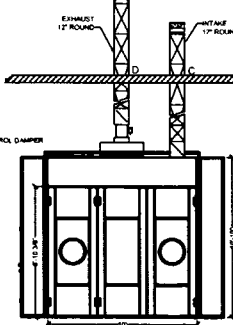
SECTION A
NOT TO SCALE



ENTRY ELEVATION
NOT TO SCALE



RIGHT ELEVATION
NOT TO SCALE



EXIT ELEVATION
NOT TO SCALE

LEGEND

- ⊖ ELECTRICAL DROP
- M MOTOR LOCATION
- ⊗ AIR INLET
- GAS TRAIN INLET
- A 25X25 INTAKE DUCT BOOTH
- B 25X25 EXHAUST DUCT BOOTH
- C 12\"/>
- D 12\"/>

SPRAY BOOTH:

FILTERS: Booth Ceiling, Filtrac CC500 G media, 99.9% efficiency, thermally bonded and impregnated in full depth to prevent release of fibers and migration of particles larger than 5 microns.
Booth Exhaust, Filtrac Paint Arrestor, glass fiber media, 98.5% efficiency, 4 self-sealing racks located in each of the two exhaust towers

FANS: Booth Intake: 1 Dual 355 Centrifugal Fan Assembly with 7.5 HP Motor.
Booth Exhaust: 1 Single 450 Spark Arresting Reverse Incline Fan with 7.5 HP Motor.

CFM: 10,000

OVEN:

FILTERS: Oven Ceiling, Filtrac CC500 G media, 99.9% efficiency, thermally bonded and impregnated in full depth to prevent release of fibers and migration of particles larger than 5 microns

FANS: Oven Intake: 1 Dual 315 Centrifugal Fan Assembly with a 5 HP Motor.
Oven Exhaust: 1 Single Spark Arresting 12\"/>

CFM: 8,000

LIGHT FIXTURES: Comply with the requirements of the Standard(s) for Electric Fixtures for use in Hazardous (Classified) Locations (UL-944) and are identified with the ETL Listed Mark.

CAROL NELSON
DESIGNED BY
DRAWN BY
DATE

Copyright © 2002
MAACO PAINT CENTER, INC.
1401 W. STAMFORD AVE.
ENGLEWOOD, CO 80110

PROFESSIONAL QUALITY
DRAWING
NOT APPROVED
FOR CONSTRUCTION



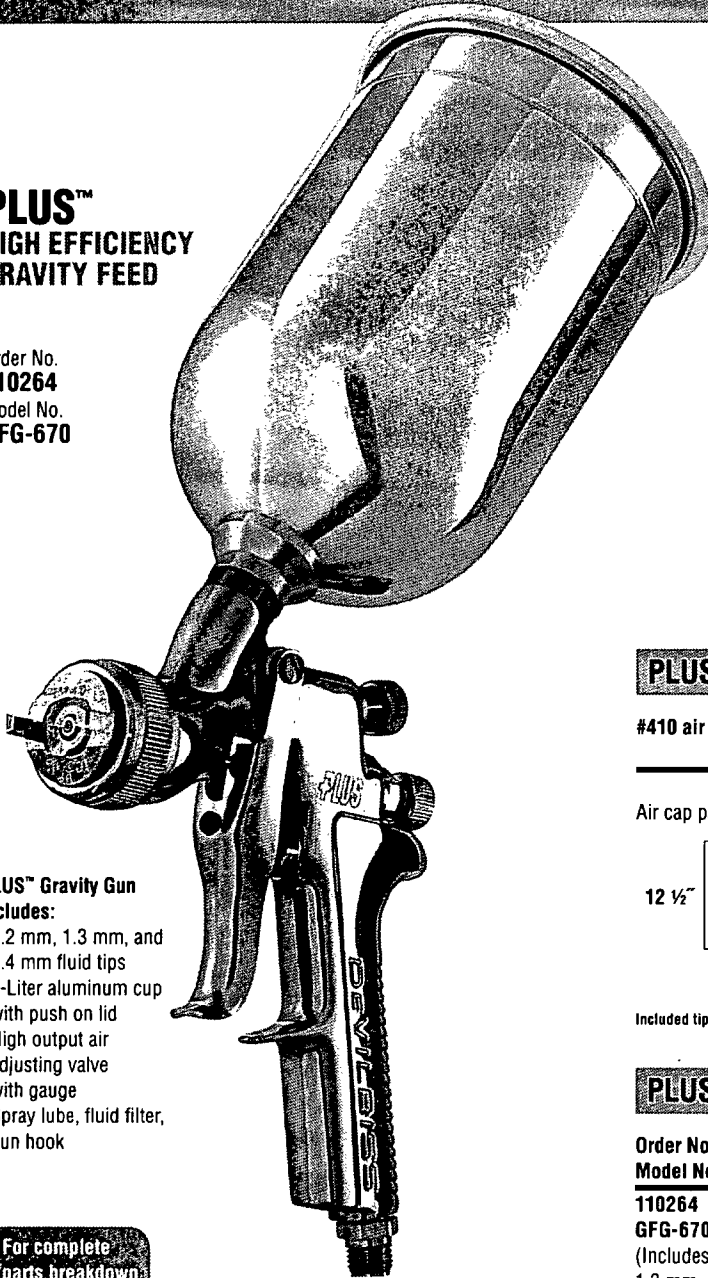
EQUIPMENT PLAN VIEW, ISOMETRIC
ELEVATIONS AND SPECIFICATIONS
COMPUTER GENERATED DRAWING FOR:
MAACO PAINT CENTER

STATUS - PRELIMINARY
REVISION - 1
SHEET SIZE - D
DATE 8/1/07
SCALE 1/4" = 1'
SHEET NO. A

42106m27_42010m24LA1

PLUS™
HIGH EFFICIENCY
GRAVITY FEED

Order No.
110264
Model No.
GFG-670



PLUS™ Gravity Gun
Includes:

- 1.2 mm, 1.3 mm, and 1.4 mm fluid tips
- 1-Liter aluminum cup with push on lid
- High output air adjusting valve with gauge
- Spray lube, fluid filter, gun hook

For complete parts breakdown please see page 37

Experience the Power of PLUS...

- **Powerful atomization** – twice the energy available in HVLP guns
- **Powerful productivity** – super fast fluid flow for high speed painting
- **Powerful efficiency** – equal to or better than HVLP transfer efficiency

PLUS™ Gravity Feed High Efficiency Air Cap

#410 air cap Primers, base coats, clearcoats, single stage and low VOC

Air cap pattern	30-40 PSI Gravity Tips:	9-11 CFM 1.0 mm, 1.2 mm , 1.3 mm , 1.4 mm , 1.6 mm, 1.8 mm
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12 1/2"



Air Cap Order No. **192174**
Air Cap Model No. **AV-440-410**

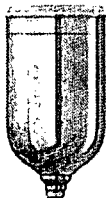
Included tip sizes shown in bold

PLUS™ Gravity Feed

Order No. Model No.	Fluid Tip (mm)	Inlet Air Pressure	Applications
110264	1.2 & 1.3	25-35 PSI	Base coats
GFG-670		30-40 PSI	High solids clearcoats
(Includes 1.2 mm, 1.3 mm, and 1.4 mm fluid tips)		30-40 PSI	Single stages
		25-30 PSI	Waterbornes
	1.4	30-40 PSI	Low solids clearcoats
		30-40 PSI	Single stages

ACCESSORIES

120175
GFC-502
1-Liter aluminum
gravity cup



802187
DGI-501-PSI
Digital pressure gauge



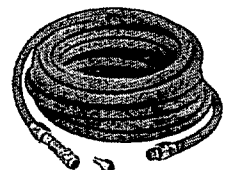
130095
HAF-507-K2
Whirlwind filter



192246
BXX-1250
Single gun case



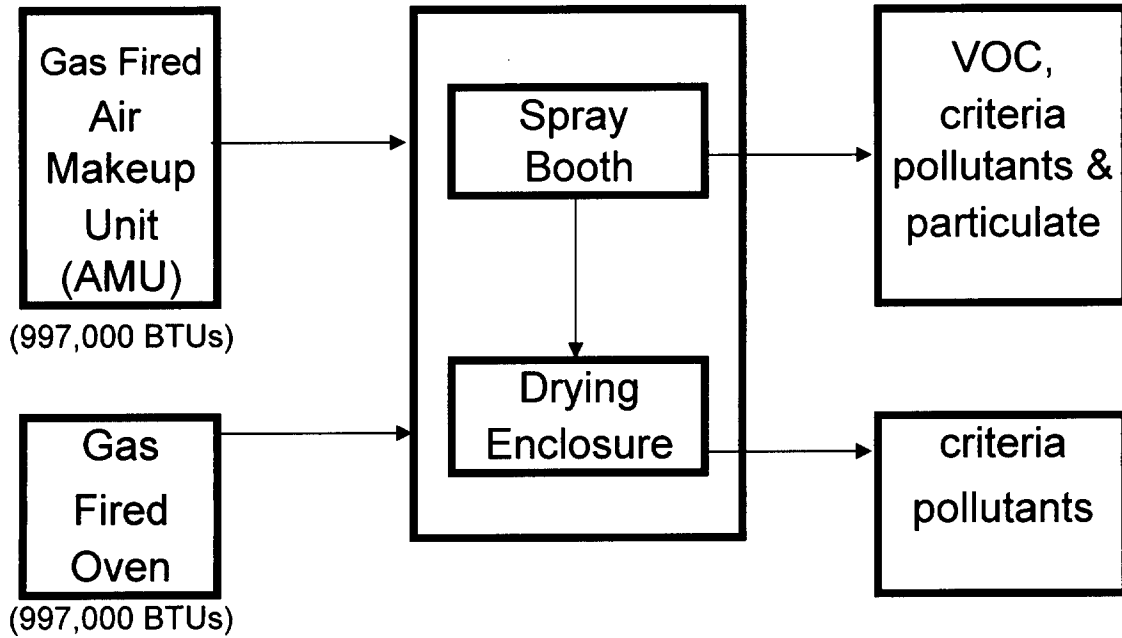
220052
HA-5867
3/8" HVLP air hose
assy. (35')



Process Flow Diagram

MAACO AUTO PAINTING

Process Flow Diagram



Tables 1 through 7 Emission Calculations

Table 1. Topcoat Analysis

Coating	Parts	Product	Subproduct	Product #	Weight % Solids	Weight % Vol.	Density	LE VOC
			Topcoat (1/3)	430-52	34.84	65.16	7.96	5.2
			Binder (2/3)	435-90	41.51	58.49	7.73	4.1
	8	Ful-Base Enamel			39.29	60.71	7.81	4.5
	1	Catalyst Plus		483-08	40.0	60.0	8.16	4.9
	2	Reducer		441-22	0	100	6.91	6.9
			Topcoat (1/3)	430-52	34.84	65.16	7.96	5.2
			Binder (2/3)	435-94	40.4	59.6	7.98	4.8
	8	Ful-Cryl II			38.6	61.4	7.97	4.9
	1	Catalyst		483-11	75	25	9.01	2.2
	2	Reducer		441-22	0	100	6.91	6.9
			Toner (1/3)	430-52	34.84	65.2	7.96	5.2
			Binder (2/3)	435-91	42.8	57.2	8.11	4.6
	8	Ful-Base System Toner			40.1	59.9	8.06	4.8
	1	Catalyst		483-15	90	10	9.35	0.9
	2	Reducer		441-22	0	100	6.91	6.9
	1		Basecolor "K" (see Table 2)		43.9	56.1	7.99	5.5
	1		Basemaker	7160S	0.2	99.8	6.61	6.6
	1	Basecoat			22.0	78.0	7.3	6.0
	4		Clear	496-00	35.9	64.1	7.98	4.2
	1		Catalyst	483-79	44.1	55.9	8.36	4.7
	2	Clearcoat			37.5	62.5	8.06	4.3

Table 2. Chromabase Basecoat Details

Sample color: Gray Blue-Effect
K8620K

DuPont Color	Mix (g)	density (lb/gal)	Mix (gal)	volume percent	VOC (lb/gal)	TOTAL VOC (lb/gal)	Weight % solids		TOTAL Weight % Solids
814J	63.1	9.15	0.015204	0.041128	4.7	0.193301	48.39	0.178937	8.658773
806J	120.2	8.25	0.032121	0.086892	4.3	0.373634	47.7	0.176386	8.413601
811J	151.1	9.25	0.036013	0.097421	4.9	0.477361	47.18	0.174463	8.231159
827J	174.1	7.94	0.048341	0.130769	5.6	0.732309	28.99	0.1072	3.107718
820J	189.9	7.96	0.052595	0.142279	5.2	0.739849	34.93	0.129165	4.511722
802J	198.6	8.52	0.05139	0.139017	4.0	0.556067	53.57	0.198092	10.61178
150K	443.1	7.29	0.134002	0.362495	6.6	2.392467	9.67	0.035758	0.345779
	1340.1		0.369665			5.464988	270.43		43.88054

TOTAL DENSITY 7.992176 lb/gal

Table 3. VOC Emissions

Product Type	Amount Applied per hour (gal)	LE VOC content (# VOC/gal coating)	Actual hours per year	Potential hours per year	Actual Emissions (tons/year)	Potential Emissions (tons/year)
Topcoats & Metallic Topcoats						
Ful-Base Enamel	0.95	4.9	312	1314	0.73	3.06
Ful-cryl II Topcoat	0.95	5.0	312	1314	0.74	3.12
Ful-thane 2K urethane	0.95	4.8	416	1752	0.95	3.99
Chromabase Basecoat/Clearcoat	0.25	4.9	1040	4380	0.64	2.68
Sub-total			2080	8760		
Pretreatment Wash Primer						
1:etch primer/1: activator	0.075	6.2	1040	4380	0.24	1.02
Primer Sealer						
422-23 Ful-Seal	0.25	4.6	1040	4380	0.60	2.52
Sub-total			2080	8760		
Primer/Primer Surfacer						
2K Urethane Primer	0.075	4.6	2080	8760	0.36	1.51
Wash Thinner (cleanup)	0.02875	6.9	2080	8760	0.21	0.87
Total:					4.46	18.77

Note: Combining the total topcoat applications together results in an actual hourly operation of 2080 hours and a potential hourly operation of 8760 hours. Combining the pretreatment wash primer and primer sealer applications results in an actual hourly operation of 2080 hours and a potential hourly operation of 8760 hours.

0.142279	chromabase tint	820J	7.96	5.2
0.139017	chromabase tint	802J	8.58	4.0
0.362495	balancer	150K	7.29	6.6
	K8620K		8.00	5.46
1	Basemaker	7160S	6.61	6.6
1	Chromabase Basecoat		7.31	6.03
4	Clear	496-00	7.98	4.2
1	Catalyst	483-79	8.36	4.7
2	Clearcoat		8.06	4.30
Chromabase Basecoat/Clearcoat			0.250	7.81
	ethyl benzene		4.4089%	0.34
	xylene		16.1563%	1.26
	toluene		5.2667%	0.41
	1,2,4 tri methyl benzene		2.0137%	0.16

Pretreatment Wash Primer

1	Etch Primer	491-17	7.90	5.70
1	Activator	441-43	6.86	6.70
Etch Primer			0.075	7.38
	n-butyl alcohol		44.5%	0.99
	methyl isobutyl ketone		6.0%	0.13

Prime Sealer

422-23 Ful-Seal Select		422-23	0.25	8.24	4.6	4
toluene			3.0%			0.25
ethyl benzene			0.7%			0.06
napthalene			0.1%			0.01
xylene			2.7%			0.22

Primer Surface

4	SelectPrime 2K Primer	421-17	11.88	4.4
1	SelectPrime Activator	483-87	8.01	5.3
2K Urethane Primer			0.075	11.106
	ethyl benzene		5.0%	0.332
	toluene		3.0%	0.20
	xylene		20.0%	1.33

INDIVIDUAL HAP SUBTOTAL

	CAS	(lb/day)	(tpy)
toluene	108-88-3	1.96	0.26
xylene	1330-20-7	5.06	0.66
methyl isobutyl ketone	108-10-1	0.28	0.037
ethyl benzene	100-41-4	1.31	0.170
1,6-hexamethylene diisocyanate	822-06-0	0.0030	0.0004
1,2,4-Trimethylbenzene	95-63-6	0.34	0.0445
cumene	98-82-8	0.01	0.0011
n-butyl alcohol	71-36-3	0.9852	0.1281
napthalene	91-20-3	0.0082	0.0011

TOTAL HAP

1.3

0.142279	chromabase tint	820J	7.96	5.2
0.139017	chromabase tint	802J	8.58	4.0
0.362495	balancer	150K	7.29	6.6
	K8620K		8.00	5.46
1	Basemaker	7160S	6.61	6.6
1	Chromabase Basecoat		7.31	6.03
4	Clear	496-00	7.98	4.2
1	Catalyst	483-79	8.36	4.7
2	Clearcoat		8.06	4.30
Chromabase Basecoat/Clearcoat			0.250	7.81
ethyl benzene			4.4089%	0.34
xylene			16.1563%	1.26
toluene			5.2667%	0.41
1,2,4 tri methyl benzene			2.0137%	0.16

Pretreatment Wash Primer

1	Etch Primer	491-17	7.90	5.70
1	Activator	441-43	6.86	6.70
			0.075	7.38
n-butyl alcohol			44.5%	0.99
methyl isobutyl ketone			6.0%	0.13

Prime Sealer

422-23 Ful-Seal Select			422-23	0.25	8.24	4.6	4
toluene				3.0%			0.25
ethyl benzene				0.7%			0.06
napthalene				0.1%			0.01
xylene				2.7%			0.22

Primer Surface

4 SelectPrime 2K Primer			421-17	11.88	4.4
1 SelectPrime Activator			483-87	8.01	5.3
2K Urethane Primer			0.075	11.106	4.58
ethyl benzene				5.0%	0.332
toluene				3.0%	0.20
xylene				20.0%	1.33

INDIVIDUAL HAP SUBTOTAL

	CAS	(lb/day)	(tpy)
toluene	108-88-3	1.96	0.26
xylene	1330-20-7	5.06	0.66
methyl isobutyl ketone	108-10-1	0.28	0.037
ethyl benzene	100-41-4	1.31	0.170
1,6-hexamethylene diisocyanate	822-06-0	0.0030	0.0004
1,2,4-Trimethylbenzene	95-63-6	0.34	0.0445
cumene	98-82-8	0.01	0.0011
n-butyl alcohol	71-36-3	0.9852	0.1281
napthalene	91-20-3	0.0082	0.0011

TOTAL HAP

1.3

Table 5. Particulate Emissions

MAACO ENTERPRISES

Particulate Emission Calculations

Without control

A	B	C	D	E	F=(B*C*D*E)
Product Type	Amount applied per week (gal)	Percent Overspray	solids content (# solids/gal coating)	Weeks per year	Emissions (lbs/year)
Pretreatment Wash Primer	2	35%	2.06	52	75
Primer/Primer Surface	3	35%	5.79	52	316
Prime Sealer	10	35%	5.11	52	930
Topcoat (as applied)	45	35%	3.04	52	2490

TOTAL: 3810.67

With control

Pretreatment Wash Primer	2.62 lbs/yr
Primer/Primer Surface	11.06 lbs/yr
Prime Sealer	32.56 lbs/yr
Topcoat (as applied)	87.14 lbs/yr

TOTAL: 133.37 lbs/yr

Table 6. Air Makeup Unit Emissions

EPA's AP-42 for Natural Gas

<u>Drying Oven</u>	<u>pollutant</u>	<u>AP-42 factor lb/10⁶ scf</u>	<u>Unit scfh</u>	<u>lbs/hr</u>
	Partic	7.6	997	0.0076
	NOx	94	997	0.0937
	CO	40	997	0.0399
	SO2	0.6	997	0.0006
	VOC	5.5	997	0.0055
<u>Spray Booth</u>	<u>pollutant</u>	<u>AP-42 factor lb/10⁶ scf</u>	<u>Unit scfh</u>	<u>lbs/hr</u>
	Partic	7.6	997	0.0076
	NOx	94	997	0.0937
	CO	40	997	0.0399
	SO2	0.6	997	0.0006
	VOC	5.5	997	0.0055
				<u>Total Burner Emissions</u>
	Partic			0.015154
	NOx			0.187436
	CO			0.07976
	SO2			0.001196
	VOC			0.010967

Table 7.

**Garmat Tier 1 Booth and Oven Emissions
Criteria Pollutants
Emission Factors for Natural Gas from EPA's AP-42**

	Burners (2) 997000 Btu (lbs/hr)	Paint Spray Booth Potential Emissions (lbs/hr)			Paint Spray Booth Actual Emissions 96.5 % Filter Efficiency (lbs/hr)		
Particulate	0.0152	1.83			0.0641		
NOx	0.1874	0			0		
SOx	0.0012	0			0		
CO	0.0798	0			0		
VOC	0.011	4.3			4.3		
	Total Potential Emissions			Total Actual Emissions			
	(lbs/hr)	(tons/yr)	(lbs/day)	(lbs/hr)	(tons/yr)	(lbs/day)	
Particulate	1.8	8.1	44.3	0.08	0.08	0.63	
NOx	0.19	0.82	4.50	0.19	0.19	1.50	
SOx	0.0012	0.005	0.0288	0.0012	0.0012	0.0096	
CO	0.080	0.350	1.92	0.080	0.08	0.64	
VOC	4.3	18.9	103.5	4.3	4.46	34.32	



TSI Compliance Services, Inc.



March 13, 2008

Ken La Greca
852 North Jack's Lake Road
Clermont, FL 34711

RE: MAACO - Air General Permit Registration

Dear Mr. La Greca:

As you are aware, TSI Compliance Services has been hired by MAACO Enterprises, through Nancy Marconi, to complete your air permit application. Attached are five copies of the registration for your equipment. Please sign four of the applications as indicated and submit them along with the provided check in the amount of \$100 to:

FDEP Receipts
PO Box 3070
Tallahasee, FL 32315-3070

The fifth copy of the registration is for your records. Your paint representative can provide assistance with any record keeping/reporting requirements.

Sincerely,

A handwritten signature in black ink, appearing to read 'Marc Scheuring', written over a large, stylized flourish.

Marc Scheuring
Env. Technician

cc: Nancy Marconi, MAACO Enterprises

Excellence in Air Testing and Technical Services

200 Bethlehem Drive, Suite 205, Morgantown, PA 19543
Phone 610-286-0305 Fax 610-286-0306

TSI COMPLIANCE SERVICES, INC.
 1035 PHILADELPHIA PIKE, SUITE E
 WILMINGTON, DE 19809

Commerce Bank
 America's Most Convenient Bank®
 1-800-YES-2000

3829

62-780-312

DATE March 12, 2008

PAY One Hundred and no/100 DOLLARS \$ 100.00

TO THE ORDER OF FL Dept. of Env. Protection

[Handwritten Signature]
 Timothy M. Harvey

TSI COMPLIANCE SERVICES, INC.

DETACH AND RETAIN THIS STATEMENT
 THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
 IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE BUSINESS FORMS 1-800-328-0304 www.deluxeforms.com

DELUXE - FORM WCG-2 V-6

DATE	DESCRIPTION	AMOUNT	DISTRIBUTIONS	
			ACCT. NO.	AMOUNT
	MAACO Permit Applicattion			

EMPLOYEE _____

PERIOD ENDING	EARNINGS				TOTAL EARNINGS	DEDUCTIONS				TOTAL DEDUCTIONS	NET PAY
	HOURS	RATE	AMOUNT EARNED AT REGULAR RATE	OVERTIME AND OTHER		F.I.C.A.	WITHHOLDING U.S. INC. TAX	STATE INCOME TAX			

**Florida Department of Environmental Protection
Cash Receiving Application (CRA)
Cashlisting by Deposit #: 281541 thru 281541
Printed: 3/24/2008 4:00:25 PM - Page 13**


Cashlisting: 67478 Cashlist Area: 3755 Description: DIV OF AIR RESOURCES MGMT.
Deposit No: 281541 Date Deposited: 03/24/2008 Contact: E. WALKER

Object	Transmittal	Dep DDN	Receipt Number	Pre-Numbered Receipt	Name	Check Number	Payment Amount	Reference Account	Payment Number	Remittance Number	Fund
002222	47550		619437		TAMPA ELECTRIC COMPANY	00088869	\$7,500.00	0570040024	866288	769603	PFTF
Object Code 002222 Subtotal:							\$7,500.00				
002272	47571	481438	619588		EPB ENTERPRISES LLC	4024	\$100.00		866483	769764	PFTF
	47571	481443	619593		TSI COMPLIANCE SERVICES, INC.	3829	\$100.00		866493	769769	PFTF
	47571	481453	619603		COMTECH ANTENNA SYSTEMS, INC.	404226	\$100.00		866503	769779	PFTF
Object Code 002272 Subtotal:							\$300.00				
002275	47572	481468	619618		ACTION CRAFT INC.	1410	\$1,000.00	0710128	866541	769794	APCTF
	47572	481469	619619		DYPLAST PRODUCTS, LLC	8115	\$106.00	0251104	866542	769795	APCTF
	47572	481471	619621		GRAY ROBINSON ATTORNEYS AT LAW	8163	\$1,580.50	1030508	866548	769797	APCTF
	47572	481472	619622		GRAY ROBINSON ATTORNEYS AT LAW	8164	\$266.50	830151	866549	769798	APCTF
Object Code 002275 Subtotal:							\$2,953.00				
002278	47571	481442	619592		SIMPSON ENVIRONMENTAL SERVICES	016481	\$200.00	48112	866491	769768	APCTF
	47571	481442	619592		SIMPSON ENVIRONMENTAL SERVICES	016481	\$200.00	47996	866492	769768	APCTF
Object Code 002278 Subtotal:							\$400.00				
002309	47572	481470	619620		SARASOTA COUNTY, BOCC	00941571	\$20.00		866547	769796	PFTF
Object Code 002309 Subtotal:							\$20.00				

*0970088-001
4/1/2008-SC*

TSI COMPLIANCE SERVICES, INC.

DETACH AND RETAIN THIS STATEMENT
 THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
 IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

 DELUXE BUSINESS FORMS 1+800-328-0304 www.deluxeforms.com

DELUXE - FORM WVCG-2 V-6

DATE	DESCRIPTION	AMOUNT	DISTRIBUTIONS	
			ACCT. NO.	AMOUNT
	MAACO Permit Applicattion			

EMPLOYEE _____

PERIOD ENDING	EARNINGS				TOTAL EARNINGS	DEDUCTIONS					TOTAL DEDUCTIONS	NET PAY
	HOURS	RATE	AMOUNT EARNED AT REGULAR RATE	OVERTIME AND OTHER		F.I.C.A.	WITHHOLDING U.S. INC. TAX	STATE INCOME TAX				

SERVICE

NOTATIONS:

Restrictions apply for cash
and dangerous materials may be

MAXIMUM WEIGHT 4 POUND

Prohibitions/restrictions
see International Mail Manual (IMM)

International forms declaration PS Form

Post Office Area
Required return address
Information in customer
label.

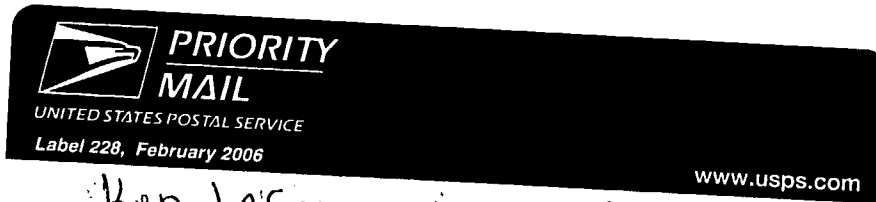
Enter strip to area
on right hand corner.

Take to Priority Mail
Post Office, or to schedule

Mailing Envelope
For Domestic and International Use
Visit us at usps.com



From/Expéditeur:



From Ken LaGreca
852 North Jackson Rd
Clermont FL 34711

TO FDEP Receipts
PO box 3070
Tallahassee FL 32315

