

September 16, 2025

Energy & Environment Cabinet
300 Sower Blvd
Frankfort, KY 40601

RE: **Hendrickson Trailer Commercial Vehicle Systems
Somerset, KY**

Source ID	21-199-00104
Agency Interest	82897
Activity	APE20110002

Energy & Environment Cabinet:

Please find enclosed the DEP7007AI form and a DEP7007DD form. The forms are being submitted to renew our air permit at our production facilities in Somerset, Kentucky. Our operations remain the same and nothing major has been changed or modified during our existing permit. Additionally, we do not foresee any future changes in our operations that would entail modification to our permit requirements.

DEP7007DD has been included to update the insignificant activities as some of the old units have been replaced and a couple of new makeup air units have been installed. The list included in the DEP7007DD form is the complete current list of natural gas usage. **The water heater has been replaced with an electric one and the tube heaters are no longer in service.** 2 new Greenheck makeup air units have been installed. Spec sheets for those are also attached.

In 2021, we had a minor revision to add a 3rd paint booth to the air permit (Emission Point 05 – Enamel Spray Booth #3). This booth was never constructed and can be omitted from the permit renewal.

If you have any questions or need additional information, please contact me at your convenience at jbray@hendrickson-intl.com or (330) 413-2572.

Sincerely,

Justin Bray
Manufacturing Engineer Manager
Hendrickson Trailer Commercial Vehicle Systems

Division for Air Quality

300 Sower Boulevard
Frankfort, KY 40601
(502) 564-3999

DEP7007AI

Administrative Information

- Section AI.1: Source Information
- Section AI.2: Applicant Information
- Section AI.3: Owner Information
- Section AI.4: Type of Application
- Section AI.5: Other Required Information
- Section AI.6: Signature Block
- Section AI.7: Notes, Comments, and Explanations

Additional Documentation

Additional Documentation attached

Source Name: Hendrickson USA, L.L.C.

KY EIS (AFS) #: 21- 199-00104

Permit #: F-16-018

Agency Interest (AI) ID: 82897

Date: Issuance date: 5/31/2016, Expiration date: 5/31/2021, Today's date 9/21/2020

Section AI.1: Source Information

Physical Location	Street:	<u>565 and 400 Pin Oak Drive</u>		
Address:	City:	<u>Somerset</u>	County:	<u>Pulaski</u>
			Zip Code:	<u>42501</u>
Mailing Address:	Street or	<u>Same as above</u>		
	P.O. Box:			
	City:	State:	Zip Code:	

Standard Coordinates for Source Physical Location

Longitude: 84.28.40.2852 (decimal degrees) **Latitude:** 37.10.23.1564 (decimal degrees)

Primary (NAICS) Category: Motor Vehicle Parts and Accessories **Primary NAICS #:** 336330

Classification (SIC) Category:	Motor Vehicle Parts and Accessories	Primary SIC #:	3714		
Briefly discuss the type of business conducted at this site:	Metal part manufacturing that entails steel cutting, machining, welding, painting and assembly of semi trailer suspensions.				
Description of Area Surrounding Source:	<input checked="" type="checkbox"/> Rural Area	<input checked="" type="checkbox"/> Industrial Park	<input type="checkbox"/> Residential Area	Is any part of the source located on federal land?	<input type="checkbox"/> Yes
	<input type="checkbox"/> Urban Area	<input type="checkbox"/> Industrial Area	<input type="checkbox"/> Commercial Area		<input checked="" type="checkbox"/> No
				Number of Employees:	~400
Approximate distance to nearest residence or commercial property:	~240 feet		Property Area:	26.373 ac. Combined	
				Is this source portable?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What other environmental permits or registrations does this source currently hold or need to obtain in Kentucky?					
NPDES/KPDES:	<input checked="" type="checkbox"/> Currently Hold	<input type="checkbox"/> Need	<input type="checkbox"/> N/A		
Solid Waste:	<input type="checkbox"/> Currently Hold	<input type="checkbox"/> Need	<input checked="" type="checkbox"/> N/A		
RCRA:	<input checked="" type="checkbox"/> Currently Hold	<input type="checkbox"/> Need	<input type="checkbox"/> N/A		
UST:	<input type="checkbox"/> Currently Hold	<input type="checkbox"/> Need	<input checked="" type="checkbox"/> N/A		
Type of Regulated Waste Activity:	<input checked="" type="checkbox"/> Mixed Waste Generator	<input checked="" type="checkbox"/> Generator	<input type="checkbox"/> Recycler	<input type="checkbox"/> Other: _____	
	<input type="checkbox"/> U.S. Importer of Hazardous Waste	<input type="checkbox"/> Transporter	<input type="checkbox"/> Treatment/Storage/Disposal Facility	[N/A]	

Section AI.2: Applicant Information

Applicant Name: Hendrickson Trailer Commercial Vehicle Systems

Title: (if individual) _____

Mailing Address: **Street or P.O. Box:** 565 Pin Oak Drive
City: Somerset **State:** Kentucky **Zip Code:** 42501

Email: (if individual) _____

Phone: 606-802-7301

Technical Contact

Name: Justin Bray or Frank Hezoucky

Title: Manufacturing Engineering Manager / Project Manager - Engineering Supervisor

Mailing Address: **Street or P.O. Box:** 565 Pin Oak Drive
City: Somerset **State:** Kentucky **Zip Code:** 42501

Email: Jbray@hendrickson-intl.com / Fhezoucky@hendrickson-intl.com

Phone: 606-802-7352 / 330-489-0213

Air Permit Contact for Source

Name: Justin Bray or Frank Hezoucky

Title: Manufacturing Engineering Manager / Project Manager - Engineering Supervisor

Mailing Address: **Street or P.O. Box:** 565 Pin Oak Drive
City: Somerset **State:** Kentucky **Zip Code:** 42501

Email: Jbray@hendrickson-intl.com / Fhezoucky@hendrickson-intl.com

Phone: 606-802-7352 / 330-489-0213

Section AI.3: Owner Information

Owner same as applicant

Name: _____

Title: _____

Mailing Address: **Street or P.O. Box:** _____
City: _____ **State:** _____ **Zip Code:** _____

Email: _____

Phone: _____

List names of owners and officers of the company who have an interest in the company of 5% or more.

Name

Position

Section AI.4: Type of Application

Current Status: Title V Conditional Major State-Origin General Permit Registration None

Requested Action:
(check all that apply)

Name Change Initial Registration [Significant Revision Administrative Permit Amendment

Renewal Permit Revised Registration [Minor Revision Initial Source-wide Operating Permit

502(b)(10) Change Extension Request [Addition of New Facility Portable Plant Relocation Notice

Revision Off Permit Change [Landfill Alternate Compliance Submittal Modification of Existing Facilities

Ownership Change Closure

Requested Status: Title V Conditional Major State-Origin PSD NSR Other: _____

Is the source requesting a limitation of potential emissions? Yes No

Pollutant:	Requested Limit:	Pollutant:	Requested Limit:
<input type="checkbox"/> Particulate Matter	<u>same as existing permit</u>	<input type="checkbox"/> Single HAP	<u>same as existing permit</u>
<input type="checkbox"/> Volatile Organic Compounds (VOC)	<u>same as existing permit</u>	<input type="checkbox"/> Combined HAPs	<u>same as existing permit</u>
<input type="checkbox"/> Carbon Monoxide	<u>same as existing permit</u>	<input type="checkbox"/> Air Toxics (40 CFR 68, Subpart F)	<u>same as existing permit</u>
<input type="checkbox"/> Nitrogen Oxides	<u>same as existing permit</u>	<input type="checkbox"/> Carbon Dioxide	<u>same as existing permit</u>
<input type="checkbox"/> Sulfur Dioxide	<u>same as existing permit</u>	<input type="checkbox"/> Greenhouse Gases (GHG)	<u>same as existing permit</u>
<input type="checkbox"/> Lead	<u>same as existing permit</u>	<input type="checkbox"/> Other	<u>same as existing permit</u>

For New Construction:

Proposed Start Date of Construction: _____
(MM/YYYY)

Proposed Operation Start-Up Date: *(MM/YYYY)* _____

For Modifications:

Proposed Start Date of Modification: _____
(MM/YYYY)

Proposed Operation Start-Up Date: *(MM/YYYY)* _____

Applicant is seeking coverage under a permit shield. Yes No

Identify any non-applicable requirements for which permit shield is sought on a separate attachment to the application.

Section AI.5 Other Required Information

Indicate the documents attached as part of this application:

- | | |
|--|--|
| <input type="checkbox"/> DEP7007A Indirect Heat Exchangers and Turbines | <input type="checkbox"/> DEP7007CC Compliance Certification |
| <input type="checkbox"/> DEP7007B Manufacturing or Processing Operations | <input checked="" type="checkbox"/> DEP7007DD Insignificant Activities |
| <input type="checkbox"/> DEP7007C Incinerators and Waste Burners | <input type="checkbox"/> DEP7007EE Internal Combustion Engines |
| <input type="checkbox"/> DEP7007F Episode Standby Plan | <input type="checkbox"/> DEP7007FF Secondary Aluminum Processing |
| <input type="checkbox"/> DEP7007J Volatile Liquid Storage | <input type="checkbox"/> DEP7007GG Control Equipment |
| <input type="checkbox"/> DEP7007K Surface Coating or Printing Operations | <input type="checkbox"/> DEP7007HH Haul Roads |
| <input type="checkbox"/> DEP7007L Mineral Processes | <input type="checkbox"/> Confidentiality Claim |
| <input type="checkbox"/> DEP7007M Metal Cleaning Degreasers | <input type="checkbox"/> Ownership Change Form |
| <input type="checkbox"/> DEP7007N Source Emissions Profile | <input type="checkbox"/> Secretary of State Certificate |
| <input type="checkbox"/> DEP7007P Perchloroethylene Dry Cleaning Systems | <input type="checkbox"/> Flowcharts or diagrams depicting process |
| <input type="checkbox"/> DEP7007R Emission Offset Credit | <input type="checkbox"/> Digital Line Graphs (DLG) files of buildings, roads, etc. |
| <input type="checkbox"/> DEP7007S Service Stations | <input type="checkbox"/> Site Map |
| <input type="checkbox"/> DEP7007T Metal Plating and Surface Treatment Operations | <input type="checkbox"/> Map or drawing depicting location of facility |
| <input type="checkbox"/> DEP7007V Applicable Requirements and Compliance Activities | <input type="checkbox"/> Safety Data Sheet (SDS) |
| <input type="checkbox"/> DEP7007Y Good Engineering Practice and Stack Height Determination | <input type="checkbox"/> Emergency Response Plan |
| <input type="checkbox"/> DEP7007AA Compliance Schedule for Non-complying Emission Units | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> DEP7007BB Certified Progress Report | |

Section AI.6: Signature Block

I, the undersigned, hereby certify under penalty of law, that I am a responsible official*, and that I have personally examined, and am familiar with, the information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the information is on knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment.



Authorized Signature

Keith White

Type or Printed Name of Signatory

9-29-25

Date

Plant Manager

Title of Signatory

*Responsible official as defined by 401 KAR 52:001.

D. W. WILBURN, INC.

153 Blue Sky Parkway

Lexington, KY 40509

(859) 263-2720

Fax (859) 263-5692

LETTER OF TRANSMITTAL

DATE 29 December 2023 JOB NO.

ATTENTION Aaron Hall

RE:

Hendrickson Building Expansion

565 Pin Oak Dr.

Somerset, KY 42503

TO:

N3D Group

1204 Winchester Rd., Ste. 200

Lexington, KY 40505

GENTLEMEN -

WE ARE SENDING YOU Attached Under separate cover via _____ the following items

Shop drawings Prints Plans Samples Specifications

Copy of letter Change order _____

COPIES	DATE	NO.	DESCRIPTION
1	12.29.23		MAU-1 & 2

THESE ARE TRANSMITTED as checked below:

For approval Approved as submitted Resubmit _____ copies for approval

For your use Approved as noted Submit _____ copies for distribution

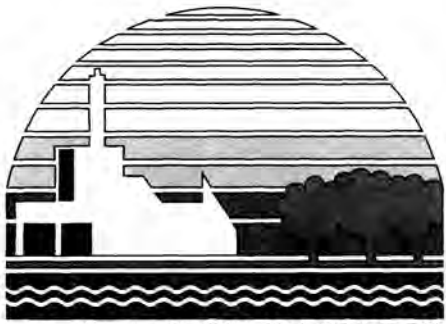
As requested Returned for corrections Return _____ corrected prints

For review and comment _____

FOR BIDS DUE _____ PRINTS RETURNED AFTER LOAN TO US

Remarks _____

Copy to _____ File _____ Signed _____ Jesika Wilburn



R.L. CRAIG COMPANY, INC.
ENVIRONMENTAL AIR MANAGEMENT PRODUCTS FOR INDUSTRY

R.L. CRAIG COMPANY, INC.

ENVIRONMENTAL AIR MANAGEMENT PRODUCTS FOR INDUSTRY

11524 COMMONWEALTH DRIVE LOUISVILLE, KENTUCKY 40299

LOUISVILLE
(502) 244-1600

FAX
(502) 245-1462

LEXINGTON
(800) 252-4235

WEB SITE
www.rlcraigco.com

EVANSVILLE
(800) 422-1935

JOB NAME: Hendrickson Addition Building #2

ENGINEER: N3D Group

CONTRACTOR: Foster Mechanical

DATE: 12/28/2023

PRODUCT: Greenheck Make-up Air Units

SPACES FOR REVIEW STAMPS

<p style="text-align: center;">Foster Mechanical</p> <p><i>Checked and coordinated for compliance with the contract requirements. This does not relieve contractor of the responsibility for dimensions, connections, details, and other installation requirements that may affect the operation of his equipment and/or material or compliance to specifications and contract documents.</i></p>	<p>_____ APPROVED _____ APPROVED AS NOTED</p> <p>Checked By: _____</p> <p>Date: _____</p>

SUBMITTAL

Job Name: 092023 Hendrickson Addition

Architect: DECO Architects

Engineer: N3D

Contractor: Foster Mechanical

Elevation: (ft) 988

Date: 12/28/2023

Submitted By: Brandon Quinlan

R L CRAIG COMPANY INC - 180

11524 COMMONWEALTH DR

LOUISVILLE, KY 40299-2340

US

Phone: (502)244-1600

Fax: (502)245-1462

Email Address: brandon@rlcraigco.com



P.O. Box 410 Schofield, WI 54476 (715) 359-6171 FAX (715) 355-2399 www.greenheck.com

DGX-P124-H32-MF-C-1600

Unit Performance

Design Conditions					
Elevation (ft)	Summer		Winter (°F)	Supply (CFM)	Outdoor Air (CFM)
	DB (°F)	WB (°F)			
988	91.7	77.3	0.0	11,063	11,063

Unit Specifications					
Qty	Weight (lb)	Cooling Type	Heating Type	Unit Installation	Unit ETL Listing
2	1,385 (+/- 5%)	None	Direct Gas-Fired	Outdoor	ANSI Z83.4 / CSA 3.7

Configuration				
Unit Orientation	Unit Configuration	Outdoor Air Intake	Return Air Intake	Supply Air Discharge
Horizontal	100% Outdoor Air	End	-	End

Heating Specifications								
Type	Gas Type	Gas Pressure		Capacity (MBH)		Temperature Rise (°F)	Performance	
		Min (in. wg)	Max (Psi)	Input	Output		EAT (°F)	LAT (°F)
Direct Gas	Natural	14	5	1,600.0	1,471.9	140.0	0.0	140.0

Air Performance									
Type	Total Volume (CFM)	External SP (in. wg)	Total SP (in. wg)	RPM	Operating Power (hp)	Fan			
						Qty	Type	Size (in.)	Drive-Type
Supply	11,063	0.15	1.631	1272	4.96	1	Mixed Flow	30	Direct-Drive

Motor Specifications					
Motor	Qty	Size (HP)	Enclosure	Efficiency	RPM
Supply Fan Motor	1	5	ODP	NEMA Premium	1180

Electrical Specifications				
Power Supply	Rating (V/C/P)	MCA (A)	MOP (A)	SCCR
Unit	460/60/3	10.4	15	5kA



CONSTRUCTION FEATURES AND ACCESSORIES

Unit	
Unit Installation - Indoor or Outdoor	Std
Unit Construction - Double Wall	X
Wall Insulation - 1in. fiberglass - Tempering on	X
Base Insulation - 1in. fiberglass - entire unit base pan	Std
Paneled Bottom - Sheet metal liner for base insulation	
Corrosion Resistant Fasteners	Std
Access and Connections - Right side when facing intake	X
Service Access - Hinged access doors	X
Unit Finish - G90 Galvanized	X
Finish Color	
Supply Fan - Direct-drive, mixed flow plenum	X
Supply Fan and Motor Vibration isolation - Neoprene	X
Controls	
Unit Controls - Terminal strip with remote panel	X
Remote Panel - Industrial (NEMA-1)	X
BMS Communication	
BMS Protocol	
Temperature Control - Cycle on Room Temp	X
Supply Fan VFD - VFD by factory	X
Supply Fan Control - Constant Volume	X
Unoccupied Mode (Night Setback)	X
Recirculation Control	
Control Accessories	
Remote display	
Heating Inlet Air Sensor	
Cooling Inlet Air Sensor	
Dirty Filter Switch	X
Fire Stat Type III (Ships loose)	
120V/24V Smoke Detector (Ships loose)	
Inlet Damper End Switch	
External Cooling Lockout Relay	
Freeze Protection (Supply Air Low Limit)	X
Auxiliary Supply Starter Contacts	
Auxiliary Exhaust Starter Contacts	
Airflow Proving Monitoring Contact	

Accessories	
Factory Installed, Lockable, NEMA 3R Disconnect	Std
Weatherhood - Aluminum Mesh filtered	X
Supply Air Filters - 2" aluminum, 20x25x2 - (10)	X
Outdoor Air Inlet Damper	
Supply Air Outlet Damper - Low leakage (Ships loose)	X
Return Air Damper	
Diffuser - 3-way supply air diffuser	X
Roof Curb	
Combination Curb	
Electrofin Coil Coating	
Fan Bearing Extended Lube Lines	
Inlet Damper Module	
Spare Belts	
Spare Filters	
Motor with Shaft Grounding	
Service Outlet	
Service Lights	
Gas Heating Accessories	
Pilot Ignition	Std
Flame Sensing - Flame rod	X
Flame Safeguard Display	
Agency Approval - ETL	Std
FM Compliant	X
High Gas Pressure Switch	X
Low Gas Pressure Switch	X
Visual Indication Valves	
Proof of Closure Valve	
External Gas Pressure Regulator (Ships loose)	
Carbon Dioxide Sensor (Ships loose)	
Warranty Options	
Unit Warranty - 18 months (std.)	X
5 Year Compressor Warranty	
5 Year Burner Warranty	
10 Year Burner Warranty	

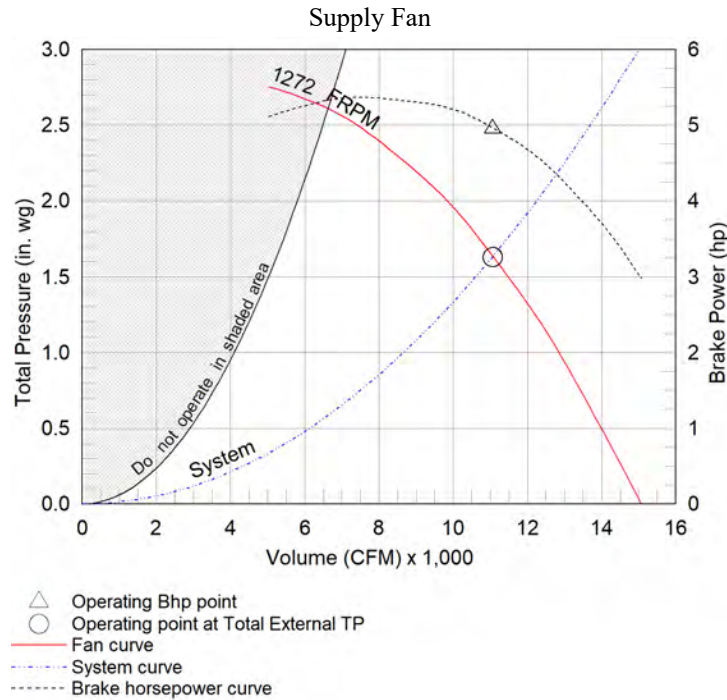
Standard Option	Std
Not Included	
Included	X

Fan Charts And Performance

Supply Fan Performance									
Total Volume (CFM)	External SP (in. wg)	Total SP (in. wg)	RPM	Operating Power (hp)	Motor		Fan		
					Qty	Size (HP)	Qty	Type	Drive-Type
11,063	0.15	1.631	1272	4.96	1	5	1	Mixed Flow	Direct

Pressure Drop (in. wg)							
Diffuser	Weatherhood	Filter	Damper	Cooling	Heating	External	Total
0.521	0.254	0.074	0.007	-	0.625	0.15	1.631

Sound Performance in Accordance with AMCA										
Sound Power by Octave Band								Lwa	dBA	Sones
62.5	125	250	500	1000	2000	4000	8000			
81	79	80	83	83	80	80	74	88	76	26



Heating Specifications

Heating Performance								
Type	Gas Type	Gas Pressure		Capacity (MBH)		Temperature Rise (°F)	Performance	
		Min (in. wg)	Max (Psi)	Input	Output		EAT (°F)	LAT (°F)
Direct Gas	Natural	14	5	1,600.0	1,471.9	140.0	0.0	140.0

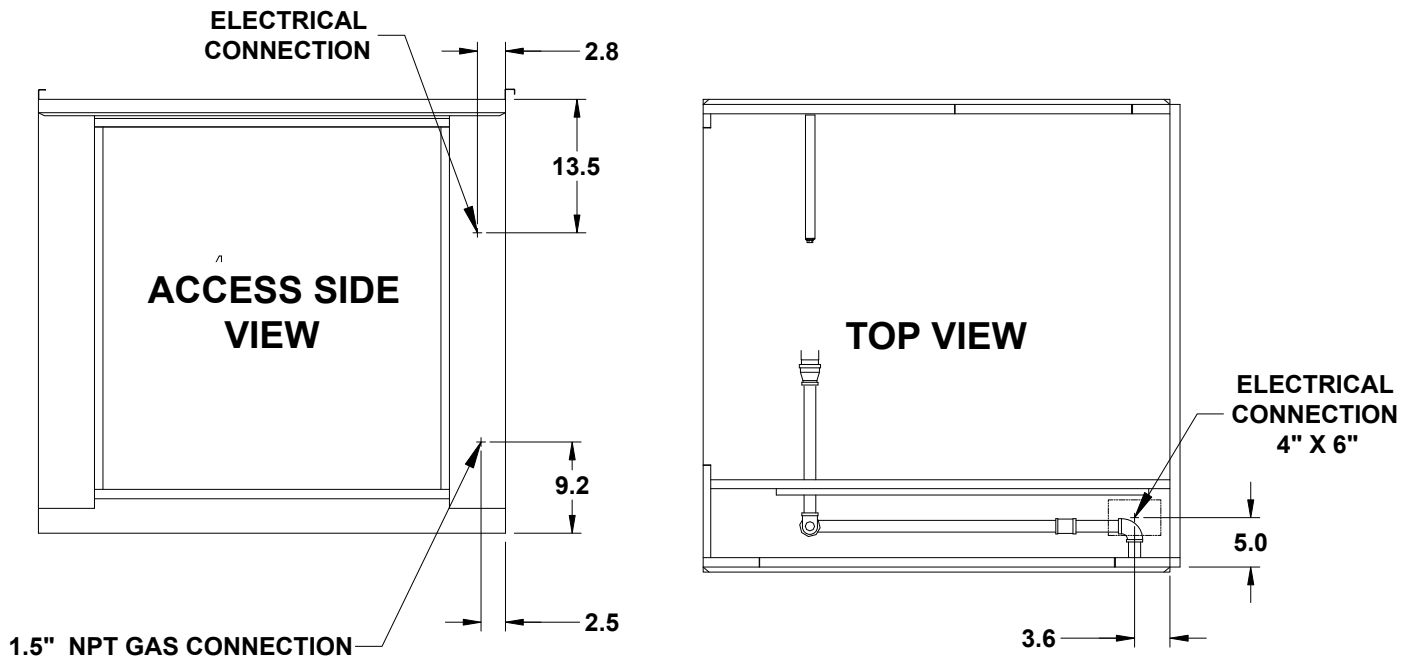
Gas Train Details							
Redundant Main Valves	Electronic Modulating Valve	Pilot Valve	Internal Regulator	Visual Indication Valve	Proof of Closure Valve	Gas Pressure Switch(es)	External Regulator
Std	Std	Std	Std	-	-	High & Low	-

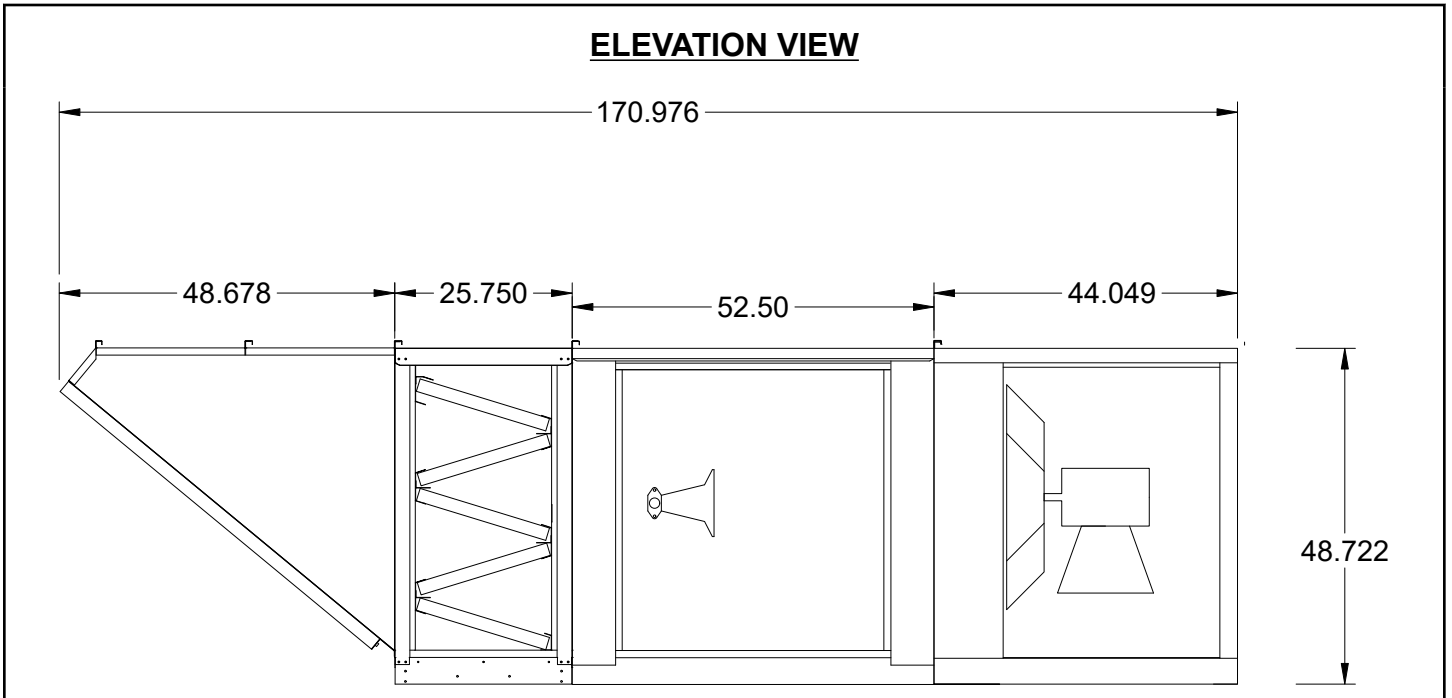
Additional Heating Information						
ETL Approved	FM Compliant	Temperature Control	Flame Sensing	Ignition Control	CO2 Sensor	Flame Safeguard Display
Std	Yes	Cycle on Room Temp	Flame Rod	Pilot	-	-

Unit Details
92% thermal efficiency
Cast aluminum burner manifold with stainless steel mixing plates
Electronic modulation burner control

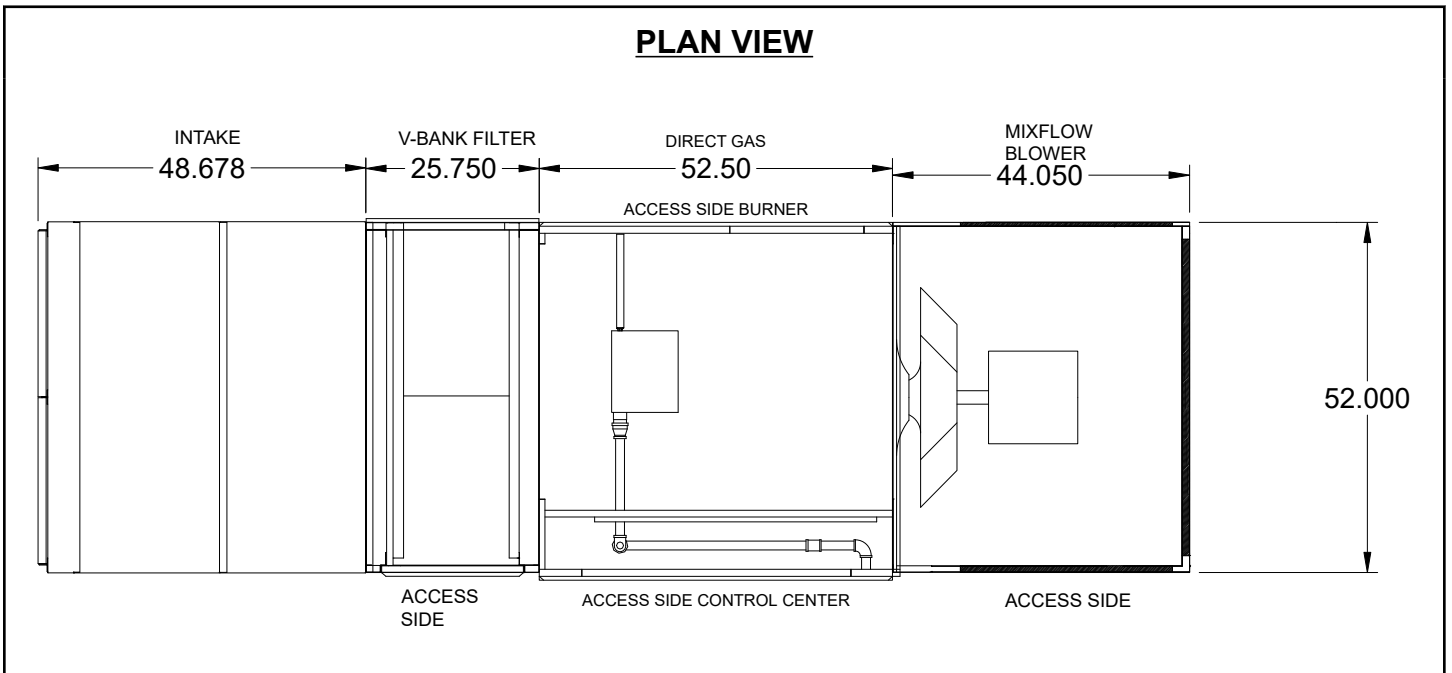
10 second pre-purge sequence
Low fire start

Gas and Electrical Connections

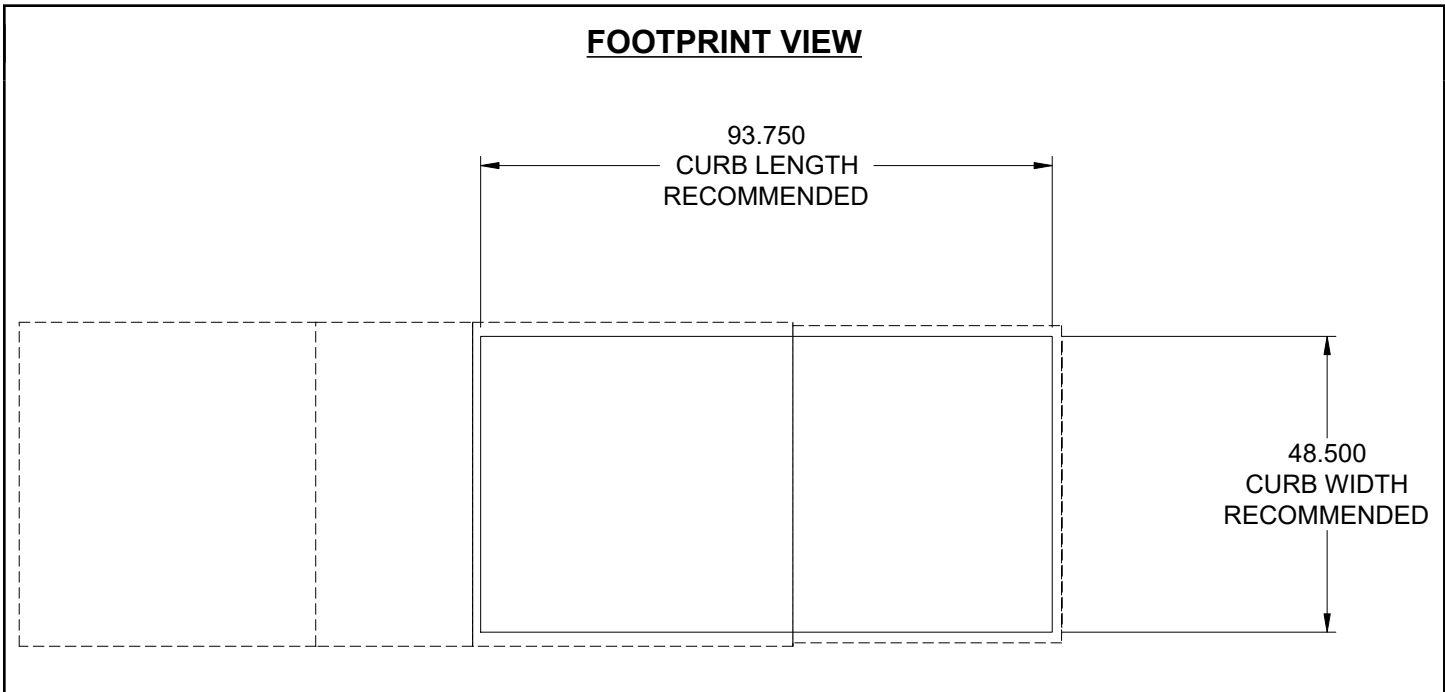
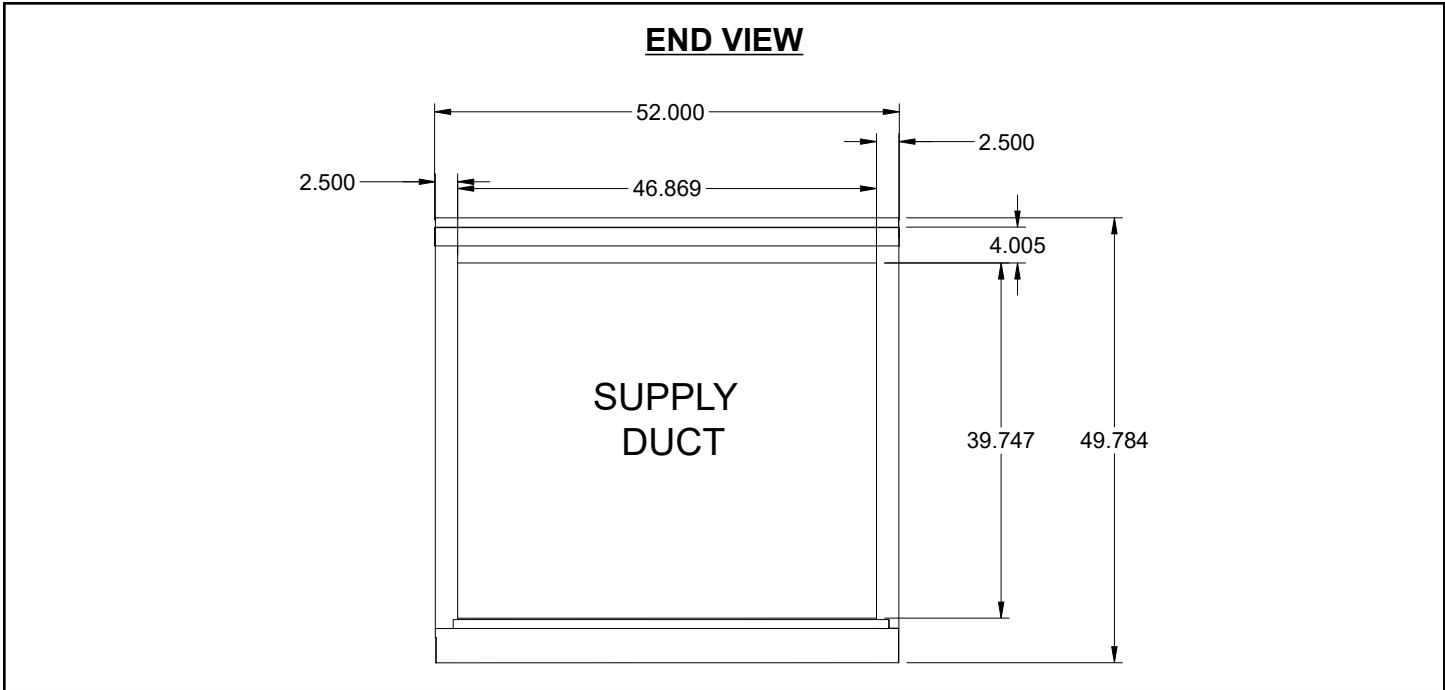




Notes - Elevation View
Standard configuration for unit access is on the right-hand side, when looking into the unit intake in the direction of airflow.
Order of unit sections is from intake of unit to discharge of unit.
Sections included on this unit: Weatherhood Section, Filter Section, Heating Section, Blower Section
Insulation: Double Wall, from Burner Section through end of unit.



Notes - Plan View
Standard configuration for unit access is on the right-hand side, when looking into the unit intake in the direction of airflow.



Notes - Footprint View

Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides. For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb. For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.

The weatherhood and filter sections of the make-up air unit extend beyond the curb. This is by design, to prevent water infiltration.

Clearance Specifications

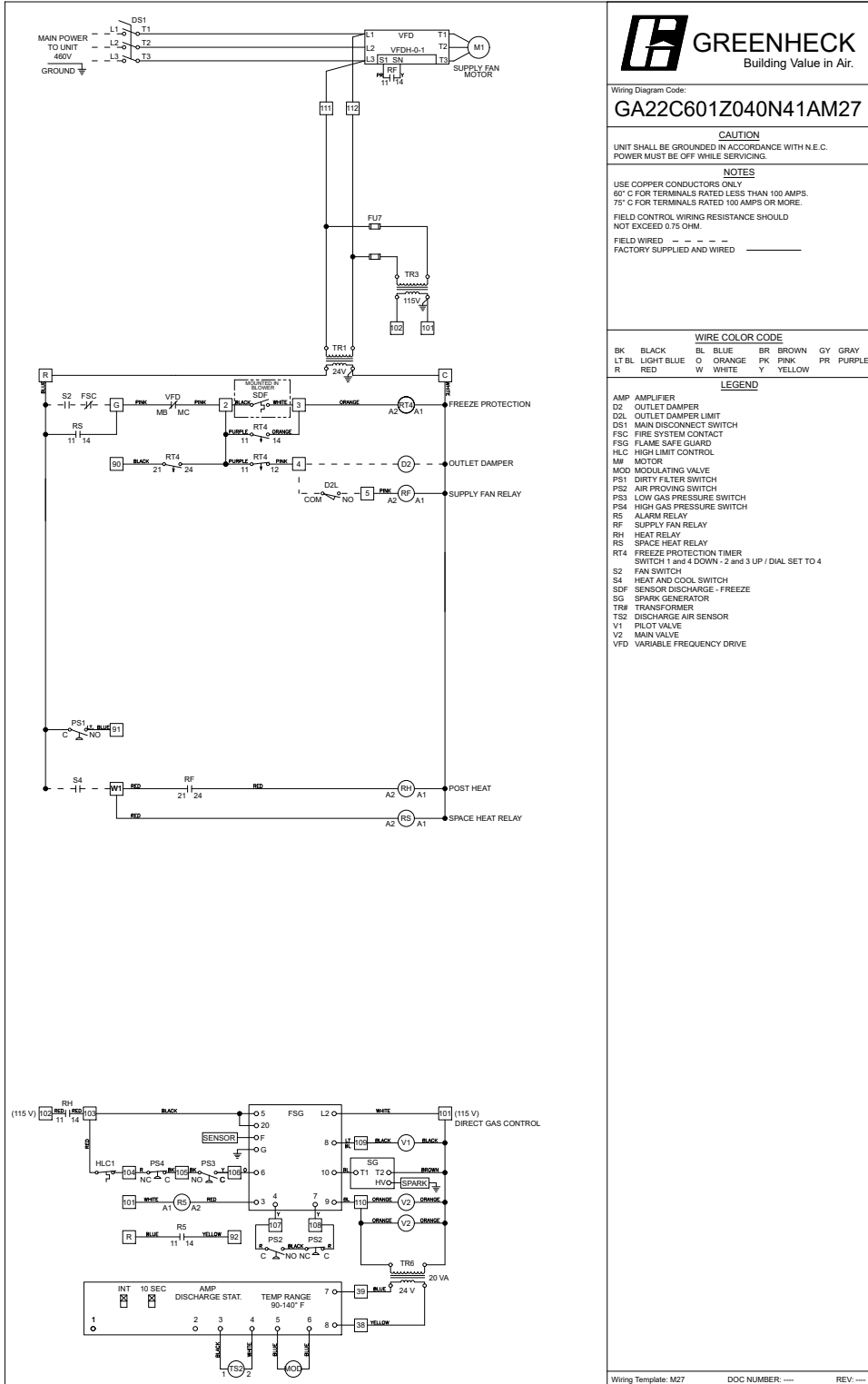
Recommended Minimum Combustible Clearances				
	Floor (in.)	Top (in.)	Sides (in.)	Ends (in.)
Insulated Units	0	0	0	0
Non-Insulated Units	0	6	6	6

Notes - Combustible Clearances
 Clearance to combustibles is defined as the minimum distance required between the heating source and the adjacent combustible surfaces to ensure the adjacent surface's temperature does not exceed 90 F above the ambient temperature.

Recommended Minimum Service Clearances	
Housing 32 and less (in.)	Housing 35 and higher (in.)
42 on the controls side of the unit	48 on the controls side of the unit

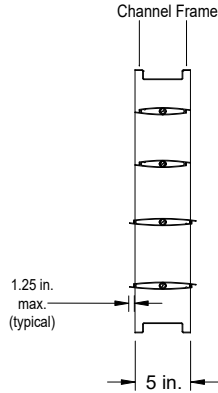
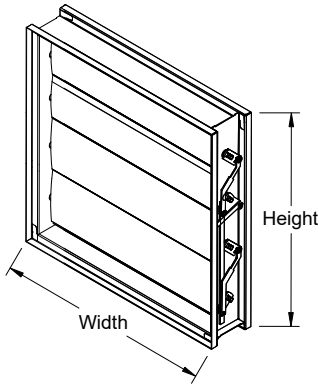
Notes - Service Clearances
 To ensure ample space for component removal (evaporative cooling media, coils, filters, etc.), service clearances should be 6 in. wider than the width of the module itself.

Wiring Diagram



Manufacturer reserves the right to change, modify, or improve this product at anytime

OUTLET DAMPER



Application & Design

The model VCD-33 is a low leakage control damper for application as an automatic control or manual balancing damper. This model is intended for applications in low to medium pressure and velocity systems. A wide range of electric and pneumatic actuators are available. Non-jackshafed dampers will be supplied with a blade drive lever for internal actuator mounting. When external actuator mounting is specified, an extension pin with clip kit will be provided. Note: The extension pin with clip kit includes the extension pin and clip.

Ratings

Pressure: Up to 10 in. wg pressure differential
Velocity: 4,000 ft/min
Leakage: Class 1A @ 1 in. wg, Class 1 @ up to 8 in. wg
Temperature: Up to 250F

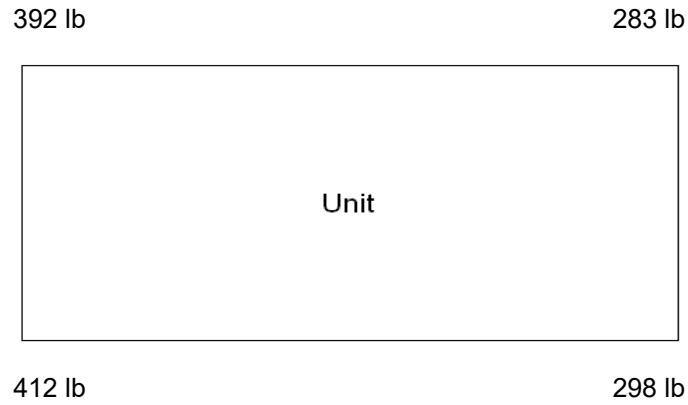
Notes: All dimensions shown are in units of inches. Width & Height furnished approximately 0.25 under size. Installation instructions available at www.greenheck.com. Customer supplied actuators configured with a jackshaft will be provided with a jackshaft this is one inch in diameter.

QTY	WIDTH	HEIGHT
1	47 in.	39.625 in.

NOTE: Width and Height are shown in nominal dimensions

Manufacturer reserves right to change, alter, or improve this product at any time.

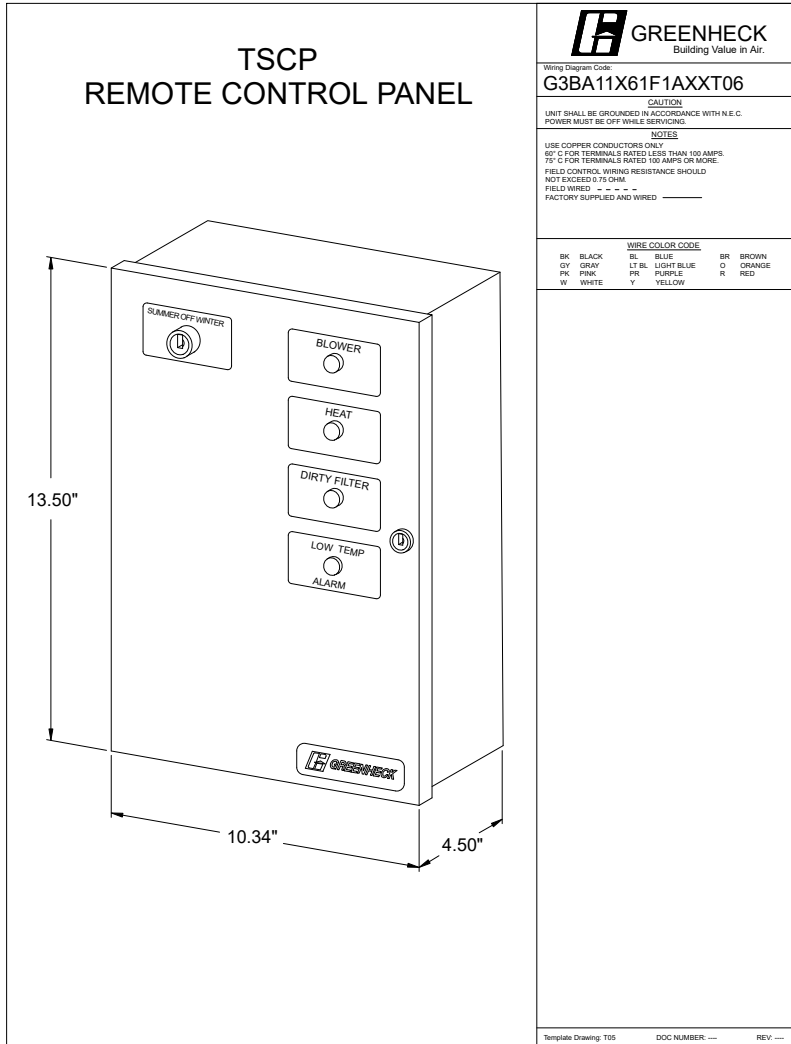
Corner Weights



Notes

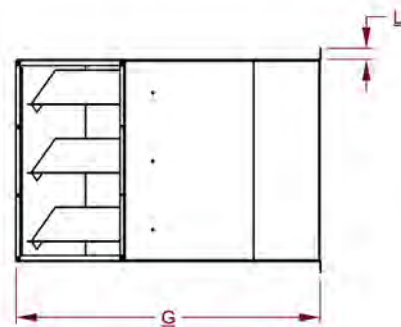
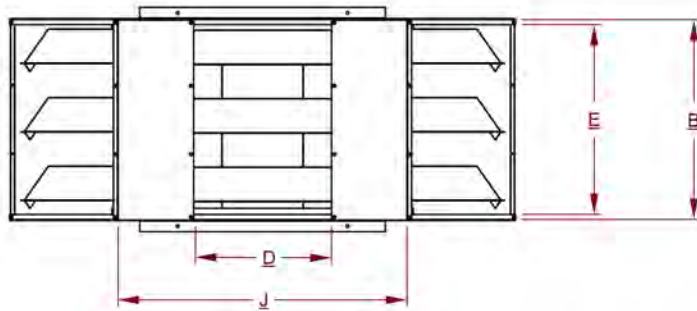
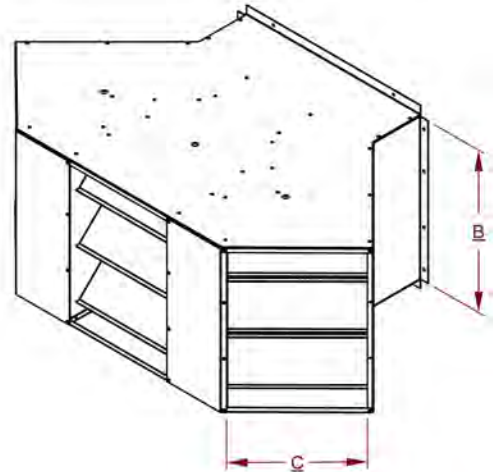
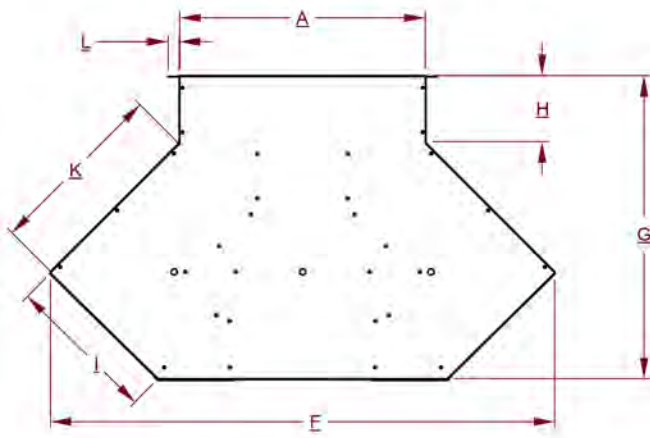
Estimated corner weights are shown looking down on unit and airflow from left to right. Weights are applied at the base of the unit. Images not drawn to scale.

TSCP - Remote Control Panel



Standard Construction Features And Notes
All dimensions shown are in units of inches.
Permatector with Concrete Gray (RAL 7023) finish.
Room thermostat and temperature sensor mounted inside panel.
* Optional Components

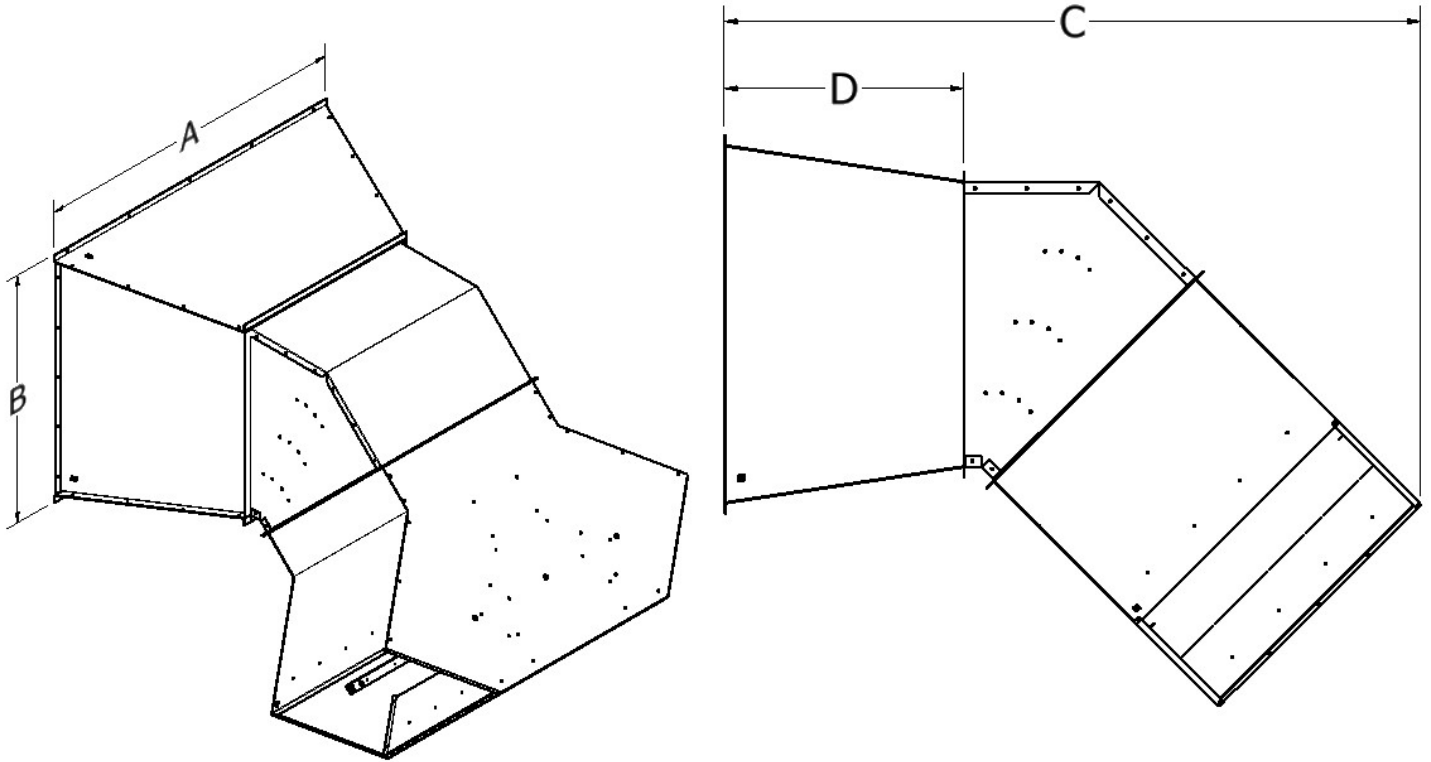
Diffuser



Diffuser Dimensions														
Housing Size	Blower Qty	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)	G (in.)	H (in.)	I (in.)	J (in.)	K (in.)	L (in.)	Weight (lb)
H32	1	24.25	26.348	14.48	14.48	25.2	49.04	29.39	5.922	15.59	27.79	17.46	1.1	115

Construction Features and Notes
All Dimensions shown represent actual sizing.
3-Way Diffuser with housing constructed of G90 galvanized steel with mounting flanges and lifting holes. Grilles are single deflection with individually adjustable blades.

3-WAY DIFFUSER WITH 45 DEGREE ELBOW



Diffuser Dimensions				
Housing Size	A (in.)	B (in.)	C (in.)	D (in.)
H32	46.9	39.7	64.1	22

Construction Features and Notes
 All Dimensions shown represent actual sizing.
 Duct flange is ~ 1 inch.

SEQUENCE OF OPERATIONS

Unit Controls

The unit shall be provided from the factory with:

- 24VAC Transformer
- Terminal Strip
- Supply fan VFD
- Factory provided, field installed supply air non-insulated outlet damper with actuator
- Remote Control Panel

Remote Control Panel

A Permatecor coated NEMA-1 rated remote control panel shall be shipped loose to control the basic operation of the unit. The panel shall contain the following:

- Summer / Off / Winter Switch
Summer: Supply fan is enabled, heat is disabled.
Off: Supply fan is disabled.
Winter: Supply fan and heat are enabled by a call for heat from the space. When the space is satisfied, supply fan and heat are disabled until the next call for heat.
Winter: Outdoor air inlet damper actuator is energized.
- Blower Light
- Main Valve Light
- Dirty Filter Light
- Supply temperature set point dial.
- Programmable thermostat

Unit Start-Up Sequence

- Supply Fan Enable Is Received
- Supply air outlet damper actuator is energized
- Supply air outlet damper actuator limit switch is proven closed
- Supply Fan Is Enabled

Supply Fan Sequence

The unit has been provided with a factory mounted variable frequency drive (VFD). The variable frequency drive shall control the supply fan speed as indicated by the following sequence:

Constant Volume

The VFD shall be programmed from the factory for a constant supply fan speed. This is to be adjusted for air balancing only and is not to be modulated.

Heating Control

A heating enable signal must be present and the supply fan must be enabled before the unit will enable heating.

Direct Gas Fired Heating (Discharge Control)

The gas control amplifier located in the unit shall modulate the heating to maintain a supply temperature set point (140 F) until the space temperature is satisfied.

Room Override

A room override thermostat shall elevate the supply air temperature set point 5 F-40 F (adj.) upon a call for heat from the space.

Building Freeze Protection

If the supply air temperature drops below 35 F for 300s (adj.), the supply fan will be disabled. Cycling the fan enable will reset the timer. This sequence is intended to prevent the unit from supplying cold air into the building.

Night Setback (Unoccupied Mode) The remote panel contains a temperature controller with two discrete setpoints. A seven-day timeclock is provided to set the occupancy schedule.

Occupied Mode, Winter Operation

- Space temperature is controlled to the occupied setpoint (70 F, adj)
- A call for heat from the space energizes the fan and enables the heat.
- When the space is satisfied, the fan and heat are disabled.

Occupied Mode, Summer Operation

- Supply fan is energized.
- Heat is disabled.

Unoccupied Mode, Winter Operation

- Space temperature is controlled to the occupied setpoint (60 F, adj).
- A call for heat from the space energizes the fan and enables the heat.
- When the space is satisfied, the fan and heat are disabled.

Unoccupied Mode, Summer Operation

- Supply fan is energized.
- Heat is disabled.

Warranty Statement for Make-Up Air

Unit Warranty

Greenheck warrants the equipment to be free from defects in material and workmanship for a period of 18 months from the date of shipment. Initial startup must be completed within six months of the shipment date, and a startup report must be submitted to Greenheck.

DG Burner Extended Warranty

The warranty does not include items deemed as consumable components, including, but not limited to: Igniters, Spark rods, Spark generator, Flame rods, Flame wires, UV eye components, and associated components.

Note: Rust, discoloration of the burner material and cracks or holes smaller than .75 in. is not qualification for a defective burner.

Warranty Notes

Any component which proves defective during the warranty period will be repaired or replaced at Greenheck's sole option when returned to our factory, transportation prepaid. All warranties do not include labor costs associated with troubleshooting, removal, or installation. Greenheck will not be liable for any consequential, punitive, or incidental damages resulting from use, repair, or operation of any Greenheck product. These warranties are exclusive and are in lieu of all other warranties, whether written, oral, or implied, including the warranty of merchantability and the warranty of fitness for a particular purpose. No person (including any agent or salesperson) has authority to expand Seller's obligation beyond the terms of this warranty, or to state that the performance of the product is other than that published by Seller.

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.

Thank you for submitting your information via the Kentucky Department for Environmental Protection eForms website. Please save a copy of this submittal for your records. We recommend saving a copy as a .mht, .html, or .htm file. Your Submittal ID and Transaction ID will be included in an email after DEP Staff have reviewed your submittal. The Submittal ID for this transaction is 532436 and was submitted by Justin Bray on September 29, 2025 01:10 PM Eastern Time

. If you need to contact EEC regarding your submission, please reference your Submittal ID. The eForm Submittal ID allows you to use the data from this submittal as a template and/or download a copy of your submittal.

Division for Air Quality
Permit Review Branch
Electronic Submittal

Use this form for applications and submittal of accepted documents listed below to the Permit Review Branch.

While this website is secure, do NOT submit confidential business information via this website. Also, note that information claimed as confidential business information that has not previously been granted as such in accordance with 400 KAR 1:060 must be submitted for consideration to the Permit Support Section as required in 401 KAR 52:020, 030, and 040. **No paper follow up is necessary.**

(* indicates a required field; (✓) indicates a field may be required based on user input or is an optionally required field

Agency/Site Information:

Agency Interest #(*) <input type="text" value="82897"/>	Source Name(*) <input type="text" value="Hendrickson USA LLC"/>	County <input style="border: none;" type="text" value="Pulaski"/>
Contact Person First Name(*) <input type="text" value="Justin"/>	Contact Person Last Name(*) <input type="text" value="Bray"/>	
Choose a Permit Section(*) <input style="border: none;" type="text" value="Unknown"/>	Type of Source(*) <input style="border: none;" type="text" value="Conditional Major"/>	

Application or Submittal Type: (Check all that apply)(*)

<input type="checkbox"/> Initial Source-wide Operating Permit	<input type="checkbox"/> Significant Revision
<input type="checkbox"/> Administrative Revision	<input type="checkbox"/> Addition of New Facilities
<input checked="" type="checkbox"/> Minor Revision	<input type="checkbox"/> off permit
<input type="checkbox"/> Modification of Existing Facilities	<input type="checkbox"/> Registration and/or Initial Notification
<input type="checkbox"/> 502(b)(10) change	<input type="checkbox"/> Portable plant relocation notice
<input type="checkbox"/> Request to rescind permit (closure notice)	<input type="checkbox"/> Extension request – compliance testing
<input type="checkbox"/> Extension request – construction	<input type="checkbox"/> Landfill alternate compliance submittal

<input checked="" type="checkbox"/> Permit Renewal			
Type of Document(s):			
Application:	<input type="button" value="Upload file"/> DEP7007DD Form - Insignificant Activities.xls DEP7007AI.pdf		
Extension Request:	<input type="button" value="Upload file"/>		
NOD response:	<input type="button" value="Upload file"/>		
Landfill related:	<input type="button" value="Upload file"/>		
Other:	<input type="button" value="Upload file"/> Hendrickson - MAU-1,2.pdf Cover letter for air permit renewal.docx		
NOTICE for APPLICATIONS: By clicking this submit button you are providing all necessary copies of the Completed Application Forms "to Kentucky Division for Air Quality, Attn: Permit Support Section--2nd Floor, 300 Sower Blvd, Frankfort, Kentucky 40601" in accordance with Title 401 KAR 52:020 Section 4(5), Title 401 KAR 52:030 Section 4(4), and Title 401 KAR 52:040 Section 4(3).			
Signature:(*) Justin Bray	Title:(*) Manufacturing Engineering Manager		
First Name:(*) Justin	M.I.: MI	Last Name:(*) Bray	
eMail Address:(*) jbray@hendrickson-intl.com	Business Phone:(*) 3304132572	Alternate Phone: Phone	Signature Date:(*) 9/29/2025
<input type="button" value="Click to Save Values for Future Retrieval"/>		<input type="button" value="Click to Submit to EEC"/>	

Division for Air Quality
 300 Sower Boulevard
 Frankfort, KY 40601
 (502) 564-3999

DEP7007DD

Insignificant Activities

- ___ Section DD.1: Table of Insignificant Activities
- ___ Section DD.2: Signature Block
- ___ Section DD.3: Notes, Comments, and Explanations

Source Name: Hendrickson USA L.L.C.

KY EIS (AFS) #: 21-

Permit #: F-20-018

Agency Interest (AI) ID: 82897

Date: 9/15/2025

Section DD.1: Table of Insignificant Activities

*Identify each activity with a unique Insignificant Activity number (IA #); for example: 1, 2, 3... etc.

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
1	Wash Station Heater - 1 MMBtu/hr N.G.	WS1		0.361 ton/yr CO
2	Dry Off Oven - 1MMBtu/hr N.G.	DO1		0.361 ton/yr CO
3	Cure Oven - 1MMBtu/hr N. G.	CO1		0.361 ton/yr CO
4	Evaporator - .95MMBtu/hr N.G.	EVAP1		0.343 ton/yr CO
5	Facility N.G. Heater - 1.4MMBtu/hr	B1.H.1		0.505 ton/yr CO

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
6	Facility N.G. Heater - 1.4MMBtu/hr	B1.H.2		0.505 ton/yr CO
7	Facility N.G. Heater - 1.4MMBtu/hr	B1.H.3		0.505 ton/yr CO
8	Facility N.G. Heater - 1.4MMBtu/hr	B1.H.4		0.505 ton/yr CO
9	Facility N.G. Heater - 1.4MMBtu/hr	B1.H.5		0.505 ton/yr CO
10	Facility N.G. Heater - 1.4MMBtu/hr	B1.H.6		0.505 ton/yr CO
11	Facility N.G. Heater - 1.4MMBtu/hr	B1.H.7		0.505 ton/yr CO
12	Facility N.G. Makeup Air Units - 2.324MMBtu/hr	B1.MUA.1		0.838 ton/yr CO
13	Facility N.G. Makeup Air Units - 2.324MMBtu/hr	B1.MUA.2		0.838 ton/yr CO
14	Facility N.G. Makeup Air Units - 2.324MMBtu/hr	B1.MUA.3		0.838 ton/yr CO
15	Facility N.G. Makeup Air Units - 2.324MMBtu/hr	B1.MUA.4		0.838 ton/yr CO
16	Facility N.G. Makeup Air Units - 2.324MMBtu/hr	B1.MUA.5		0.838 ton/yr CO
17	Facility N.G. HVAC - .1MMBtu/hr	B1.HVAC.1		0.036 ton/yr CO

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
18	Facility N.G. HVAC - .1MMBtu/hr	B1.HVAC.2		0.036 ton/yr CO
19	Facility N.G. HVAC - .1MMBtu/hr	B1.HVAC.3		0.036 ton/yr CO
20	Facility N.G. HVAC - .1MMBtu/hr	B1.HVAC.4		0.036 ton/yr CO
21	Facility N.G. HVAC - .08MMBtu/hr	B1.HVAC.5		0.029 ton/yr CO
22	Facility N.G. HVAC - .08MMBtu/hr	B1.HVAC.6		0.029 ton/yr CO
23	Facility N.G. HVAC - .08MMBtu/hr	B1.HVAC.7		0.029 ton/yr CO
24	Facility N.G. HVAC - .08MMBtu/hr	B1.HVAC.8		0.029 ton/yr CO
25	Wash Station Heater - 1 MMBtu/hr N.G.	WS2		0.361 ton/yr CO
26	Dry Off Oven - 1MMBtu/hr N.G.	DO2		0.361 ton/yr CO
27	Cure Oven - 1MMBtu/hr N. G.	CO2		0.361 ton/yr CO
28	Evaporator - .95MMBtu/hr N.G.	EVAP2		0.343 ton/yr CO
29	Facility N.G. Heater - 1.6MMBtu/hr	B2.H.1		0.577 ton/yr CO

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
30	Facility N.G. Heater - 1.6MMBtu/hr	B2.H.2		0.577 ton/yr CO
31	Facility N.G. Heater - 1.4MMBtu/hr	B2.H.3		0.505 ton/yr CO
32	Facility N.G. Heater - 1.3MMBtu/hr	B2.H.4		0.469 ton/yr CO
33	Facility N.G. Heater - .166MMBtu/hr	B2.H.5		0.06 ton/yr CO
34	Facility N.G. Heater - .166MMBtu/hr	B2.H.6		0.06 ton/yr CO
35	Facility N.G. Makeup Air Units - 2.324MMBtu/hr	B2.MUA.1		0.838 ton/yr CO
36	Facility N.G. Makeup Air Units - 2.324MMBtu/hr	B2.MUA.2		0.838 ton/yr CO
3	Facility N.G. HVAC - .037MMBtu/hr	B2.HVAC.1		0.013 ton/yr CO
38	Facility N.G. HVAC - .037MMBtu/hr	B2.HVAC.2		0.013 ton/yr CO
39	Facility N.G. HVAC - .037MMBtu/hr	B2.HVAC.3		0.013 ton/yr CO
40	Facility N.G. HVAC - .037MMBtu/hr	B2.HVAC.4		0.013 ton/yr CO

Section DD.2: Signature Block

I, THE UNDERSIGNED, HEREBY CERTIFY UNDER PENALTY OF LAW, THAT I AM A RESPONSIBLE OFFICIAL, AND THAT I HAVE PERSONALLY EXAMINED, AND AM FAMILIAR WITH, THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ITS ATTACHMENTS. BASED ON MY INQUIRY

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
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OF THOSE INDIVIDUALS WITH PRIMARY RESPONSIBILITY FOR OBTAINING THE INFORMATION, I CERTIFY THAT THE INFORMATION IS ON KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE OR INCOMPLETE INFORMATION, INCLUDING THE POSSIBILITY OF FINE OR IMPRISONMENT.

By:	<hr/> <p style="text-align: center;">Authorized Signature</p>	<hr/> <p style="text-align: center;">Date</p>
	<hr/> <p style="text-align: center;">Type/Print Name of Signatory</p>	<hr/> <p style="text-align: center;">Title of Signatory</p>

