



SPECIFICATIONS FOR THE PURCHASE OF
THREE (3) SOURCE CAPTURE VEHICLE
EXHAUST SYSTEMS.

DIRECT SOURCE CAPTURE EXHAUST SYSTEMS PROPOSAL FORM GREATER ROUND LAKE FIRE PROTECTION DISTRICT

The undersigned vendor hereby proposes to furnish three (3) new, commercially produced Direct Source Capture Exhaust Systems in accordance with the Greater Round Lake Fire Protection District's specifications and the vendor/manufacturer's detailed specifications incorporated herein. Any exceptions to the Greater Round Lake Fire Protection District's specifications are listed on the following exception page(s).

It is agreed by the undersigned that the signing and delivery of this proposal represents the bidder's acceptance of the terms and conditions of the attached specifications and provisions and, if awarded this contract, will represent the agreement between the parties.

Direct Source Capture Exhaust System
Manufacturer:

Authorized Agent (Vendor):

Company Name

Company Name

Address

Address

City, State, Zip Code

City, State, Zip Code

Telephone Number

Telephone Number

Station 1 Direct Source Capture Exhaust System	\$ _____
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Station 2 Direct Source Capture Exhaust System	\$ _____
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Station 3 Direct Source Capture Exhaust System	\$ _____
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Total Project Cost.	\$ _____
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Proposals are due Monday, February 12, 2016 at 11:00 am local time.

Delivery and installation of the completed systems is to be made within _____ calendar days from the acceptance of the bid by the Greater Round Lake Fire Protection District.

Failure to deliver all equipment in the time quoted above, without the expressed permission of the purchaser will constitute a breach of contract and said agreement may be voided.

**ACCESSORY PRICING / SUBCONTRACTOR LISTING FORM
GREATER ROUND LAKE FIRE PROTECTION DISTRICT**

ACCESSORY PRICING:

Please list your unit cost for each of the accessories listed below. For those accessories not available, indicate "N/A" in the pricing column.

Station 1: Ambient forced-air supply and distribution system for drying structural firefighting gear in lockers.	\$ _____
Station 2: Ambient forced-air supply and distribution system for drying structural firefighting gear in lockers.	\$ _____
Station 3: Ambient forced-air supply and distribution system for drying structural firefighting gear in lockers.	\$ _____

SUBCONTRACTOR LISTING:

Please list any subcontractors that bidder intends to use in the design, manufacture and/or installation of Purchaser's Direct Source Capture Exhaust Systems or accessory ambient forced-air supply and distribution systems.

COMPANY NAME:	ADDRESS:	SCOPE OF WORK TO BE PERFORMED:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

EXCEPTION PAGE

List all exceptions by specification line number and describe the nature of the exception being taken. Use additional pages if necessary.



Greater Round Lake Fire Protection District Direct Source Capture Exhaust Systems Request for Proposals

Section 1: General

The Greater Round Lake Fire Protection District (District), a municipal corporation, is seeking sealed proposals from qualified vendors and/or manufacturers to supply and install a turnkey direct source capture exhaust system in each of its three fire stations. The final systems and accessory items purchased may be different based on the awarded contract price for each item. This purchase is funded through a 2016 Department of Homeland Security Assistance to Firefighters Grant for \$248,780. Specifications and all contract documents are provided herein.

Bidders shall provide a detailed proposal with all required sections as specified. Any exceptions to the specifications presented herein must be clearly described on the exception page(s), otherwise, it will be considered that all systems offered will be in strict compliance with these specifications. Systems that fail to meet the minimum specifications will not be considered and/or accepted. Any vendor failing to meet the obligations required upon acceptance of a proposal by the District may be required to pay damages to this District in conjunction with their failure.

Section 2: Proposal Information

Vendors must complete all information requested on the proposal form. Sealed proposals will be accepted until 11:00 a.m. local time on Monday, February 12, 2018. Proposals will be opened and read aloud at that time. All proposal packages shall be clearly marked "**DIRECT SOURCE CAPTURE EXHAUST SYSTEMS PROPOSAL**" on the front. Sealed proposals must be sent or delivered to:

Chief Greg Formica
Greater Round Lake Fire Protection District
409 W. Nippersink Road
Round Lake, IL 60073

By signing the proposal form, the vendor acknowledges that said proposal is made without any understanding, agreement or connection with any other person, firm or corporation submitting a proposal for the same purpose and that said proposal is in all respects fair and without collusion or fraud. The Board of Trustees of the Greater Round Lake Fire Protection District reserves the right to accept or reject any or all proposals, waive any informality, and accept the proposal which it deems most favorable to the interests of the District. No proposals shall be withdrawn for a period of sixty (60) days after February 12, 2018 without the consent of the District.

Questions concerning these specifications or proposal requirements should be directed to:

Deputy Chief Joseph Krueger
Greater Round Lake Fire Protection District
409 Nippersink Road
Round Lake, IL 60073
Phone: (847) 546-6001

Documents required to be supplied with the vendor proposal include the following:

- ✓ Proposal Form – completed and signed as required (page 1).
- ✓ Accessory Pricing Form (page 2).
- ✓ Listing of any sub-contractors that will be used on the project (page 2).
- ✓ Exceptions Page(s) detailing any exceptions to the GRLFPD specifications. For each exception, the vendor must explain the details of the exception and offer, if available, an alternative feature.
- ✓ Copy of certification to ISO 9001-2008 or 2015 from the system manufacturer.
- ✓ Detailed drawings and specifications for each of the three Direct Source Capture Exhaust Systems being bid.
- ✓ Detailed drawings and specifications for each of the three accessory forced-air supply and distribution systems being bid.
- ✓ Detailed narrative describing the operational characteristics of the Direct Source Capture Exhaust Systems.
- ✓ Detailed narrative describing the operational characteristics of the accessory forced-air supply and distribution systems.
- ✓ Detailed narrative describing anticipated delivery schedule, method of shipping and any services that will be provided by the vendor and/or manufacturer to assist with implementing the systems into service.
- ✓ Detailed narrative describing the warranty provided by the bidder and the manufacturer. Discussion should include information outlining:
 - Duration of warranty – delineated by components as necessary.

- Specific listing of any components not covered by warranty.
- ✓ Detailed narrative that describes the maintenance capabilities of the manufacturer and vendor. Discussion should include information outlining:
 - Any maintenance agreements (with cost) offered by the proposer.
 - Location, capacity and capabilities of repair facilities.
 - Response time and anticipated turnaround time for repairs.
 - Availability and hours of operation of online and/or telephone based technical support.
- ✓ Detailed narrative that describes the recommended training plan that the Fire District should implement in support of the new Direct Source Capture Exhaust System. The plan shall address initial and ongoing training needs and include training to be provided to the Fire District by the proposer (including timing, duration & capacity of sessions, and any costs to the District).
- ✓ Detailed narrative that provides specific information on the anticipated cost of ownership of the proposed Direct Source Capture Exhaust System. Discussion shall include:
 - Initial product cost.
 - All recommended preventive maintenance requirements including required intervals and anticipated cost.
 - All testing procedures required to ensure the safe and efficient operation of the systems. Discussion shall include:
 - Recommended or required testing intervals.
 - Per unit test cost – including parts, labor and any ancillary costs (per diem, etc.).
 - Anticipated repair maintenance costs for consumable items. Discussion shall itemize the anticipated wear items, their expected service life and replacement cost.
 - Anticipated spare parts inventory required to have on site to support reliable system uptime. Discussion shall include an itemized list of parts, recommended inventory and their cost.
- ✓ Certificate of Insurance or affidavit indicating a minimum of \$3,000,000 product liability insurance.
- ✓ List of users in the Chicagoland area (for proposed make and model Direct Source Capture Exhaust System).
- ✓ Reference list (with name and contact information for Fire Chief) providing a minimum of five (5) full-time fire departments that have purchased the system model proposed in the bid within the previous 12 months.

Section 3: Delivery, Documentation & Training

The order is to be shipped to the respective installation sites at The Greater Round Lake Fire Protection District, specifically:

- Station 1 - 409 W. Nippersink Road, Round Lake, IL 60073.
- Station 2 – 1623 N. Cedar Lake Road, Round Lake Beach, IL 60073.
- Station 3 – 861 E. Hook Drive, Round Lake Beach, IL 60073

The vendor is responsible for all shipping costs. The complete order shall be received within 60 days from date of order unless the vendor serves prior notice to the District and the District accepts the later delivery date. Delivery must be during the District's normal office hours of Monday – Friday between 8:00 am - 4:00 pm.

Documentation to be supplied at the time of delivery includes three (3) copies of the following:

- User Operation and service manuals for each station.
- Care and maintenance instructions for each system.
- "As built" drawings of the system including all mechanical and electrical components.
- Electrical schematic drawings.
- Manufacturer's and Vendor's Warranty documents for each covered component and the system overall.

The District reserves the right to inspect any and all materials, components, equipment, supplies, services or completed work specified herein. Any of said items not complying with these specifications are subject to rejection at the option of the District. Any items rejected shall be removed from the premises of the District and/or replaced at the expense of the vendor.

The vendor shall provide training for all members of the District. The training shall instruct all Fire District personnel in the operation and maintenance of the Direct Source Capture Exhaust System. Training sessions shall occur for each of the three (3) shift battalions on days mutually agreeable to both the bidder and the Fire District.

Section 4: Scope of Project

This bid specification encompasses Direct Source Capture Exhaust Systems to be designed, manufactured and installed in the three GRLFPD fire stations. Station locations and configurations are as follows (note: Apparatus bays are numbered from left to right as seen looking at the front of the station. Apparatus are listed from front to back of the bay):

- Station 1:
 - Located at 409 W. Nippersink Rd., Round Lake, IL 60073.
 - Consists of six bays – all back-in.
 - Apparatus configuration:
 - Bay 1: Ambulance (Ford F550), Command Unit (Freightliner FL60).
 - Bay 2: Command Unit (Chevy Tahoe), Tower Ladder.
 - Bay 3: Engine, Water Tender.
 - Bay 4: Chief Buggy (Tahoe), Utility Pickup, Boat (no exhaust capture req'd).
 - Bay 5: Ambulance (F550), Utility Pickup.
 - Bay 6: Deputy Chief Buggy (Tahoe), Utility Pickup Truck.
- Station 2:
 - Located at 1623 N. Cedar Lake Rd., Round Lake Beach, IL 60073.
 - Consists of four bays – all back-in.

- Apparatus configuration:
 - Bay 1: Ambulance (Ford F550), Utility Pickup.
 - Bay 2: Utility Vehicle (Chevy Trail Blazer), Aircraft Rescue and Firefighting (ARFF) Truck.
 - Bay 3: Engine, Engine.
 - Bay 4: Ambulance (Ford F550).
- Station 3:
 - Located at 861 E. Hook Dr., Round Lake Beach, IL 60073.
 - Consists of two bays – drive through, but being used as in back-in bays in front and back.
 - Apparatus configuration:
 - Bay 1: Ambulance (Ford F550), Utility Vehicle (Trail Blazer) out rear door.
 - Bay 2: Engine, Roll-Off Container Truck (International) out rear door.

This project is to be bid as turnkey and include any and all components, materials and labor required to modify our existing stations from their as is status to be conducive to support working systems as bid. No existing building systems, components or structural members may be moved without prior approval of the purchaser. Any necessary modifications will be at the bidders cost and should be considered in the overall bid price.

The bidder will be responsible for any modifications to purchaser's existing apparatus to make them compatible with the Direct Source Capture Systems (including exhaust pipe adapters). It is known that the purchaser's water tender, ARFF and Roll-Off Truck all have vertical exhaust stacks and will require modification to side exhaust. Bidder will be required to identify any other required modifications as part of their overall bid.

As an optional accessory to the proposal, purchaser desires the bidder to quote a system to provide an ambient forced air supply and distribution system in each station to provide a means to hang and dry structural firefighting gear while being stored in each firefighter's locker.

Section 5: Selection Process & Criteria

The District will review all proposals received as part of a structured evaluation process. The purpose and intent of the process is to determine which proposal best meets the District's current and future needs including interoperability capabilities with surrounding fire departments.

A review committee will evaluate all responses to the RFP that meet the submittal requirements and deadline. Submittals that do not meet the minimum requirements or deadline will not be considered.

Proposals will be evaluated and ranked based on the following criteria described below:

- 5.01 Technology / Equipment Functionality:
- a. The exhaust removal system shall provide 100% complete evacuation of all vehicle emissions (particulate, gases, and fumes) at the source from start up to exit of the apparatus from the fire station. The diesel exhaust removal system shall be capable of delivering complete coverage for the full length of each bay.
 - b. The exhaust system shall not block doorways, exits, and aisles in the apparatus bay, which could endanger the welfare of fire personnel or visitors
 - c. System is a standard product of the manufacturer and represents their newest and most technologically advanced product.
 - d. Technical components of the system as required by the District.
 - e. Capability and functionality of each proposed operational feature.
 - f. Capability to standardize the type of system used by our neighboring fire departments for interoperability.
- 5.02 Delivery / Installation Plan:
- a. Feasibility and timeliness of delivery schedule.
 - b. Degree of assistance to be provided to the Fire District by the vendor during implementation of the new systems.
 - c. System installation – installation of system and components by manufacturer’s representative is strongly preferred over the use of sub-contractors.
 - d. Project completion date – bidder’s efficiency and speed in the design, build and installation of the systems.
- 5.03 Training:
- a. Level of on-site training provided at implementation of new systems.
 - b. Vendor’s availability/willingness to provide future training.
 - c. Availability/quality of training materials provided by vendor.
- 5.04 Maintenance and Support:
- a. Vendor’s capability / experience in providing maintenance service.
 - b. Vendor response time / proximity of service center / number of trained technicians.
 - c. Turnaround time for repairs / quality and depth of spare parts inventory.
 - d. Availability of technical support via telephone, online, etc.
- 5.05 Warranty:
- a. Meets the minimum warranty requirements as specified under the specifications section of this RFP (Section 5).

- 5.06 References:
- a. Demonstrated ability to successfully provide equipment of comparable complexity and quantities as described in this RFP to other municipal fire departments or fire protection districts.

- 5.07 Cost:
- a. Projected cost of ownership.

Section 5: Specifications

- 5.01 Intent:
- The intent of the specifications supplied herein is to purchase three (3) Direct Source Capture Exhaust Systems of the highest level of quality and engineering excellence and to provide a safe working environment for the firefighters and visitors to our fire stations. Proposals shall only be considered from companies that have an established (minimum 10 yrs.) and favorable reputation in the field of Vehicle Exhaust Extraction Systems specific to the Fire Service. Each bidder shall furnish satisfactory evidence of its ability to construct the systems as quoted and render prompt service and/or replacement parts as needed. This purchase is funded through an AFG grant and shall meet all of the requirements of the grant award.

- 5.02 Compliances:
- All workmanship and materials shall be in accordance with applicable codes, regulations, and guidelines. The following codes, regulations, and guidelines are to be considered part of these specifications and are a minimum standard of evaluation for these systems:
- NIOSH.
 - Underwriters Laboratory (UL).
 - National Fire Protection Agency (NFPA).
 - National Electric Code (NEC).
 - NFPA 1500 – 2013 Edition.
 - Air Movement and Control Association International, Inc. (AMCA).
 - International Mechanical Code (IMC).
 - Uniform Mechanical Code (UMC).
 - American National Standards Institute (ANSI).
 - American Society of Mechanical Engineers (ASME).

- 5.03 Detailed Specifications:
- The following specifications represent the District's minimum requirements for the purchase of the Direct Source Capture Exhaust Systems. Systems containing alternate specifications must meet or exceed these requirements. Vendors that are interested in proposing equal or better than alternatives shall include detailed information on the proposed product/system with their bid submittal. The overall safety of GRLFPD firefighters and the efficiency of operations will weigh heavily in the final determination of

the acceptability of alternate products during the review process and the District's decision shall be final.

5.04 System Requirements:

General:

- a. Prior to submitting a bid for consideration, Bidder must complete an on-site survey of the facilities and make all investigations necessary to thoroughly inform themselves regarding the content of the written specifications and instructions supplied herein. This is a mandatory requirement to ensure the proposed system meets the intent of the specifications and fits within the building space. Failure or omission on the part of the bidder to make the necessary examinations and investigations into the content of the specifications and make all clarifications or explanations of exceptions and conditions that exist or that may exist hereafter shall not be accepted as a basis for making variations to the requirements of purchaser or compensation to the bidder. Onsite survey appointments can be made through the Deputy Chief (contact information on page 5).

Initial to indicate compliance: _____

- b. Bid submission must include layout drawings showing the location of vehicles with respect to equipment being supplied.

Initial to indicate compliance: _____

- c. This project is for a fully-operational turnkey system. Bid is to include upgrades to station electrical systems, and any movement or changes to structural, mechanical, etc. components and systems in the station as required to provide a top functioning and aesthetically pleasing system.

Initial to indicate compliance: _____

- d. All applicable permits are the responsibility of the bidder.

Initial to indicate compliance: _____

- e. Any modifications to existing building systems must be performed by a licensed technician (electrician, pipefitter, etc.).

Initial to indicate compliance: _____

- f. Purchaser will only consider bids submitted by manufacturers or their representative/dealer that are duly authorized to conduct business in the State of Illinois and hold all necessary licenses and certifications to complete the job listed herein.

Initial to indicate compliance: _____

- g. Upon energization of emergency vehicle ignition system, the exhaust ventilation fan shall be automatically energized by transmitted signal and evacuate the toxic exhaust fume. Note: in-line pressure sensors are highly undesirable. The system controller shall keep the system operating until the apparatus exits the building. Should the vehicle not exit the station, the controller shall keep the system operational until the engine is shut off. As the vehicle proceeds forward out of the station and reaches the exit door, the nozzle connection (located at the tailpipe) shall release the nozzle from the tailpipe. After the system releases, the nozzle and hose assembly shall retract passively and smoothly into a convenient storage position. Upon the apparatus arriving back at the station, the system shall sense its proximity and energize the system (prior to the apparatus being connected to the system and entering the station). Each station shall have a unique signal code so that apparatus driving past from a different station do not activate its system. Apparatus transmitter signals shall be easily changed to facilitate re-assignment of units between stations.

Initial to indicate compliance: _____

- h. The nozzle must release and disconnect near the threshold of the exit door regardless of the speed at which the vehicle may exit the door. Systems that limit speed are not acceptable.

Initial to indicate compliance: _____

- i. Due to the harmful effects of diesel exhaust, the system shall be designed and capable of capturing virtually 100% of the exhaust gases and particulate even in the event of a complete power failure.

Initial to indicate compliance: _____

- j. No vertical stack exhausts systems are permitted. Any of purchaser's current apparatus with vertical stacks must be converted to side discharge exhaust at bidder's expense as part of the overall project. All proposed modifications must be pre-approved by purchaser.

Initial to indicate compliance: _____

- k. The system will not detach itself from the apparatus for any reason during a power failure other than normal exiting of the apparatus bay.

Initial to indicate compliance: _____

Vehicle Exhaust Extraction System Equipment:

- l. Systems that minimize hanging hose loops shall be preferred and a system utilizing technology and design that helps eliminate hose loops is strongly preferred.

Initial to indicate compliance: _____

- m. Systems that require additional or alternate power source to eliminate detaching during a power failure are highly undesirable.

Initial to indicate compliance: _____

- n. Systems that incorporate any type of electromagnetic device and/or fastening/drilling into the side body panels to secure its attachment to the apparatus are highly undesirable.

Initial to indicate compliance: _____

- o. Systems that incorporate a pneumatic bladder seal for attachment to the apparatus are not permitted – no exceptions.

Initial to indicate compliance: _____

- p. The nozzle and adapter design shall create a metal to metal seal. No gasket, silicone, or synthetic material shall be inserted in nozzle design.

Initial to indicate compliance: _____

- q. The nozzle construction shall not use a rubber connection to the vehicle's tailpipe (or tailpipe adapter). Nozzle must be constructed of a material that is rustproof and capable of withstanding chemical corrosion from road materials.

Initial to indicate compliance: _____

- r. The manual connection of the nozzle to the tailpipe shall be done from a standing position. Bending over to connect the nozzle is not acceptable, there must be an easy click and seal connection process.

Initial to indicate compliance: _____

- s. Spring balancers and/or any other devices that have the purpose of holding the nozzle assemblies at a specific height shall do so in a manner that maintains the nozzle at an acceptable height and off of the floor.

Initial to indicate compliance: _____

- t. All components used along the track/rail, transition elbow and nozzle must be of rustproof material and be capable of withstanding corrosion from humidity and normal roadway chemicals.

Initial to indicate compliance: _____

- u. The nozzle release mechanism shall be external on the system to ensure safe disconnect of nozzle from tailpipe. Systems that use internal cable for this feature are not acceptable due to safety issues. All adjustments must be done outside the hose; no internal adjustments will be allowed.

Initial to indicate compliance: _____

- v. Tailpipe adapters must be bolted on to the exhaust system of the apparatus – no welding.

Initial to indicate compliance: _____

- w. The entire hose assembly shall allow for engine and pump checks of a minimum of 15 minutes at 1,500 rpm without damage to the system. Hose shall be rated for minimum temperatures of 600° Fahrenheit continuously and 700 ° Fahrenheit intermittently to ensure the exhaust fume does not deteriorate the hose and leak.

Initial to indicate compliance: _____

- x. The manufacturer of the vehicle exhaust extraction system shall manufacture within its facility all fans utilized as part of this vehicle exhaust extraction system.

Initial to indicate compliance: _____

- y. Each system (station) shall have only one controller and one fan unit to minimize maintenance and spare parts inventory costs.

Initial to indicate compliance: _____

- z. Systems which require disconnection of the nozzle from the vehicle when working on the vehicle’s fuel system, recharging batteries or whenever there is a risk of inflammable dust or explosive gasses are undesirable.

Initial to indicate compliance: _____

- aa. For system flexibility, the lower hose assembly and nozzle must be capable of being disconnected and moved to a different location with ease and without the use of tools.

Initial to indicate compliance: _____

Electronic Controls:

bb. The automatic control panel shall be Underwriter's Laboratory (UL) listed and manufactured in accordance with UL Standard UL-508. The panel shall be listed by UL and bear the UL label. The Controller shall be manufactured by the complete Vehicle Exhaust Extraction System manufacturer.

i. UL File number for automatic control panel: _____.

ii. Control panel manufacturer's Name: _____.

Initial to indicate compliance: _____

cc. The control panel or electrical components of the system shall not cause interference with vehicle or station communication equipment, door openers, Station Wi-Fi or mobile data terminals (MDTs) in apparatus.

Initial to indicate compliance: _____

Ductwork:

dd. Ductwork shall be UMC class C or SMACNA class 11 product conveying. It must meet or exceed criteria for construction and performance as outlined in Round Industrial Duct Construction Standards, SMACNA.

Initial to indicate compliance: _____

ee. All ductwork subject to positive or negative pressure shall be of round spiral pipe construction. Duct gauge shall depend on diameter and a minimum operating pressure of 8 inches water column.

Initial to indicate compliance: _____

ff. All exhaust fittings shall be round and have a wall thickness 2 gauges (one even gauge number) heavier than the lightest allowable gauge of the downstream section of duct to which they are connected. Air duct branch entrances shall be factory-fabricated fittings or factory-fabricated duct/tap assemblies. Fittings shall be constructed so that air stream converges at angles no greater than 45 degrees. All fittings must be a sealed type fitting and no mastic or caulking to be applied to joints on the exterior of ducting.

Initial to indicate compliance: _____

gg. Ductwork design velocities shall be a minimum of 4,000 - 4,500 feet per minute (fpm) transport velocity in metal ductwork, which is the standard for design. Capture velocity shall be 5,500 - 6,000 fpm to extract 100 % of the exhaust gases.

Initial to indicate compliance: _____

hh. External ductwork shall be sized for the exact inlet and outlet of the exhaust fan blower. An exhaust rain cap shall be supplied and manufactured in accordance with EPA standard for free draft rain cap requirements. Included as an integral part of this rain cap shall be a back draft damper to provide protection from rain and other inclement weather.

Initial to indicate compliance: _____

ii. Ductwork shall only penetrate exterior walls rather than a roof penetration. In all cases when making a wall penetration through masonry or concrete walls it shall be done by the use of a professional core-drilling machine. The core drilling shall be properly sized to reduce the diameter of the opening to the smallest possible size. Only after all possible avenues for wall penetration are exhausted, shall the roof penetration be accepted. The original roofing contractor shall perform the work if possible to insure any warranties on the existing roof are not voided. If the original roofing contractor cannot be used, a licensed roofing contractor shall be used.

Initial to indicate compliance: _____

jj. A silencer or muffler shall be connected to the exhaust discharge to reduce discharge air noise for all fans 3 HP or greater or for systems that exceed 85 dBA.

Initial to indicate compliance: _____

System Acceptance / Warranty / Service:

kk. The system in entirety must be warranted for a minimum of 5 years.

Initial to indicate compliance: _____

ll. In the event of unanticipated system downtime, a service technician must be available within 48 hours for repairs.

Initial to indicate compliance: _____

mm. All workmanship, manufacturing procedures, system design and materials shall be performance guaranteed. If any findings or test studies reveal improper materials, defective components or inadequate performance as outlined in the specifications, the bidder shall remove and replace the component in question at their expense.

Initial to indicate compliance: _____

nn. An annual inspection shall be performed on the system by a certified vehicle exhaust system technician over the duration of the warranty and be included in the cost of the system.

Initial to indicate compliance: _____