



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

TVFD Custom Air Unit - Air 1
Thibodaux Volunteer Fire Department

Project documents obtained from www.CentralBidding.com

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THIBODAUX VOLUNTEER FIRE DEPARTMENT, INC.

800 Parish Road
Thibodaux, LA 70301

BID NOTICE

ELECTRONIC BIDS will be received by the Thibodaux Volunteer Fire Department (TVFD) until, **November 13, 2023 at 6:00 p.m. local time** at which time bids will be retrieved from the Central Auction House (CAH) website and read aloud in the TVFD meeting room located at 800 Parish Road, Thibodaux, LA 70301 for one new Custom Air Unit, Air 1.

Bid Documents are available for download and examination at 7:00 a.m. on October 6, 2023 **only** at CAH's website www.centralbidding.com. To view the bidding documents, download, and receive notices by e-mail, bidders must register with CAH. For information about the electronic submittal process, contact Central Auction House at (225) 810-4814. Hard copies of bid documents will not be distributed nor accepted.

Each proposal must be accompanied by a Bid Bond in the amount of 5% of the bid submitted as a proposal guarantee, which, it is agreed by the bidder, will be forfeited in the event their proposal is accepted and the contract is not executed. Bid bond shall be signed by an officer of the manufacturing company. Personal or company checks are not acceptable as a bonding medium. All bidders must have the ability to provide the requested bid bond and performance bond called for in these specifications. Bidders who are only able to provide a supply bond in lieu of a performance bond will not be considered. No bidder may withdraw his proposal for at least thirty (30) calendar days after the time scheduled for the opening of bids. Each bid shall be submitted on the bid form provided by the TVFD. A performance bond acceptable to the TVFD must be submitted within thirty (30) days after the formal awarding of the contract.

Contact Fire Chief Tony Boudreaux at 985-258-6205 or by email at tonyb@thibfiredept.org for any clarification with regard to the bid documents. TVFD reserves the right to reject any bid if it is determined that the submitting business entity is not in good standing with the Louisiana Secretary of State or is not authorized to do business in the State of Louisiana. TVFD also reserves the right to reject any and all bids for just cause.

Thibodaux Volunteer Fire Department
James P. Ledet, Board President

Publication Dates – October 10, 17 and 24, 2023



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BID SPECIFICATIONS

CUSTOM AIR UNIT SPECIFICATIONS – AIR 1

Note: The following Thibodaux Vol. Fire Dept. performance specifications will be used as the official document to conduct proposal evaluations and inspections of delivered units. Therefore, it is imperative, and in the manufacturer's best interest, to fill out the yes/no columns correctly.

Proposals must contain the following documents to be considered.

- Pricing page
- Corporate Resolution or other authorizing documentation
- 5% Bid Bond
- Overall Certificate of Insurance, \$10,000,000 Product Liability Insurance
- Thibodaux Vol. Fire Dept. specifications completely filled out
- Bidder supplied Clarifications page
- Two (2) 11"x17" detailed drawings of the truck being proposed
- Amp Draw report of the truck being proposed
- Center of Gravity report of the truck being proposed
- Bidder to explain in detail on Clarifications page their service capabilities with location of nearest service center

NOTES:

1. Manufacturers lengthy build specs is not being requested. Proposals to contain Thibodaux Vol. Fire Dept. performance spec filled out along with the other requested documents.
2. Contract will not be awarded on price alone. Evaluations will be based on the following criteria
 - a. - Price
 - b. - Specification compliance
 - c. - Service capabilities
3. Items marked as non-compliant **will not** mean automatic disqualification provided an approved equal item is being supplied and is listed in detail on the Clarifications page.
4. If a manufacturer does not meet the specifications due to their construction methods or supplies, they must explain their exception on their Clarifications page. Manufacturers may also attach any documentation to explain the difference.



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(The Thibodaux Vol. Fire Dept. will be the sole decider to what is an approved equal.)

5. For performance standards and standardization some items have been specified by brand and model numbers. These items shall be provided as requested and should be available for all manufacturers to supply. If a brand and model specific item is not available, then list it on the clarifications page along with what alternate item is being provided. (The Thibodaux Vol. Fire Dept. will be the sole decider to what is an approved equal)
6. A preconstruction conference shall be held at Thibodaux Fire Dept. to answer and clarify any questions the fire department or manufacturer has/needs in the construction of the apparatus.
7. Apparatus, to ensure proper break in of all components while still under warranty, shall be delivered under its own power. Rail or truck freight shall not be acceptable. A qualified delivery representative shall deliver the apparatus and remain for a sufficient length of time to instruct personnel in proper operation, care and maintenance of the equipment delivered. Note that any time during delivery up until final acceptance at TVFD Central Station in Thibodaux, bidder's insurance certificate will cover apparatus. Should some major accident happen during transit and major damage (at the discretion of the TVFD) occur, the TVFD does have the option to not accept the apparatus and require a complete rebuild at the bidder's expense.
8. Each proposal must be accompanied by a Bid Bond in the amount of 5% of the bid submitted as a proposal guarantee, which, it is agreed by the bidder, will be forfeited in the event their proposal is accepted and the contract is not executed. Bid bond shall be signed by an Officer of the manufacturing company. Personal or Company checks are not acceptable as a Bonding medium. All bidders must have the ability to provide the requested Bid Bond and Performance Bond called for in these specifications. Companies who are only able to provide a Supply Bond in lieu of a Performance Bond will not be considered.
9. A 100% Performance Bond, which guarantees delivery AND performance must be supplied by the successful bidder within 30 days of award of the contract. Supply Bonds will not be accepted in place of the requested Performance Bond. Bond must be supplied by the manufacturer of the apparatus. Bonds furnished by salesmen or other agents will not be accepted.
10. The successful bidder shall provide travel, lodging, transportation to the factory and meal expense for three (3) fire department representatives to visit the successful bidder's factory location to inspect and assure the apparatus meets specifications prior to delivery of the apparatus to the fire department's home location. The trip shall take place upon completion of the apparatus and prior to its' leaving the plant for final delivery to Thibodaux, LA. If the successful bidder is located more than 250 miles from the fire department's location then the mode of travel shall be by air and the trip's duration shall at least one day for air travel with one night's lodging, one day for inspection of the apparatus with one night's lodging, and one day for return air travel.



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11. Payment for chassis when completed or delivered to manufacturer's plant will be considered. List on Pricing Page the amount to subtract from purchase price for prepayment of chassis. Payment for the chassis upon completion/delivery shall be at the option of TVFD based on the cost advantage to the department. Prepayment will not be a requirement. Final payment of balance will be made to bidder upon final delivery of the apparatus and acceptance by the TVFD when it arrives in Thibodaux, LA. The TVFD is tax exempt. NO taxes should be included in the bid price.

12. Submit any questions regarding specifications to Fire Chief Tony Boudreaux at 985- 258-6205 or by email at tonyb@thibfiredept.org by November 6, 2023 at 5:00PM.

13. TVFD, has determined that the following manufacturer's Custom Chassis are pre-approved and considered "or equal."

E-One – Typhoon

Ferrara – Inferno

KME - Predator

Pierce – Enforcer

Rosenbauer - Commander

Spartan – Metro Star

Seagrave - Attacker

If manufacturer is using a chassis not listed, they should contact Fire Chief Tony Boudreaux for further instructions. Note: If preapproval before the bid opening is not gained from TVFD, a bid on any other chassis other than those listed above will be rejected. TVFD reserves the right to reject any bid if it is determined that the submitting business entity is not in good standing with the Louisiana Secretary of State or is not authorized to do business in the State of Louisiana.



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Official Specifications TVFD Air 1

- Yes ☒ No ☐ - Apparatus shall be built to current NFPA & DOT guidelines
- Yes ☒ No ☐ - Five-year engine warranty
- Yes ☒ No ☐ - Five-year transmission warranty
- Yes ☒ No ☐ - Cab & body paint warranty, minimum five (5) year
- Yes ☒ No ☐ - Cab structure warranty, minimum ten (10) year
- Yes ☒ No ☐ - Body warranty, minimum five (5) year
- Yes ☒ No ☐ - Body subframe warranty, Lifetime
- Yes ☒ No ☐ - Apparatus wheel base to be approximately 155"
- Yes ☒ No ☐ - Apparatus length to be approximately 30'
- Yes ☒ No ☐ - As built wiring diagrams
- Yes ☒ No ☐ - 2 door custom chassis (no commercial chassis)
- Yes ☒ No ☐ - Raised roof design
- Yes ☒ No ☐ - The cab exterior transverse compartment to have two (2) ROM brand, natural finish, roll up doors
- Yes ☒ No ☐ - Full length cab doors
- Yes ☒ No ☐ - Exterior cab door handles to have LED lighting (white)
- Yes ☒ No ☐ - Stainless steel scuff plates for exterior cab door handles
- Yes ☒ No ☐ - Chrome exterior cab door handles/hardware (not black)
- Yes ☒ No ☐ - Interior door kick plates, aluminum
- Yes ☒ No ☐ - Diamond Grade Reflective chevron on interior cab doors
- Yes ☒ No ☐ - Protective step kickplates, aluminum treadplate
- Yes ☒ No ☐ - Stainless steel cab steps with Round Hole and Star Extrusions for superior gripping surface
- Yes ☒ No ☐ - Manual door locks
- Yes ☒ No ☐ - Power window regulators



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- Yes ☒ No ☐ - Interior cab door panels, Severe Duty, Line-X coated, black
- Yes ☒ No ☐ - Upgraded Severe duty interior door grab handles, powder coated, yellow
- Yes ☒ No ☐ - One-piece or two piece windshield
- Yes ☒ No ☐ - Tinted cab windows (light gray)
- Yes ☒ No ☐ - Cab insulation
- Yes ☒ No ☐ - Dog house insulation
- Yes ☒ No ☐ - Officer side glove box
- Yes ☒ No ☐ - Interior cab & trim color, black
- Yes ☒ No ☐ - Severe duty coating upgrade, cab dash, Line-X, black
- Yes ☒ No ☐ - Severe duty coating upgrade, engine tunnel, Line-X, black with Cup Holders.
- Yes ☒ No ☐ - Severe duty coating upgrade, interior cab doors, Line-X, black
- Yes ☒ No ☐ - Severe duty engine tunnel kick plate, treadplate
- Yes ☒ No ☐ - Havis brand custom console between driver & officer seats
- Yes ☒ No ☐ - Premium overhead A/C package
- Yes ☒ No ☐ - Heater
- Yes ☒ No ☐ - Defroster
- Yes ☒ No ☐ - Roof mounted condenser, low profile, painted job color
- Yes ☒ No ☐ - Heater hose, silicone
- Yes ☒ No ☐ - Bostrom 500 series seats
- Yes ☒ No ☐ - Seat material, Durawear
- Yes ☒ No ☐ - Seat color, black, w/red seat belts
- Yes ☒ No ☐ - Driver seat, 8-way, electric
- Yes ☒ No ☐ - Driver seat, storage box, enclosed with door
- Yes ☒ No ☐ - Officer seat, high back, Non SCBA, 2-way manual adjustment
- Yes ☒ No ☐ - Officer seat storage box, enclosed with door
- Yes ☒ No ☐ - All seat backs to have custom Fire Dept. emblem/patch (not manufacturer logo)



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- Yes ☒ No ☐ - Stainless steel front grille (not plastic)
- Yes ☒ No ☐ - American Flag grille (colored)
- Yes ☒ No ☐ - Engine checks at front grille
- Yes ☒ No ☐ - Headlights, LED upgrade, JW Speaker model 8800 Evolution 2
- Yes ☒ No ☐ - Wig Wag feature for headlights
- Yes ☒ No ☐ - Whelen M6 turn signals, w/clear lens
- Yes ☒ No ☐ - Cab fenders, stainless steel
- Yes ☒ No ☐ - Mud flaps, front & rear
- Yes ☒ No ☐ - Cab tilt, heavy duty w/manual back-up
- Yes ☒ No ☐ - Mirror, Driver side, Ramco CRM-310-1750-TPHCHR chrome, door mounted, heated and power adjustable from inside the cab
- Yes ☒ No ☐ - Mirror, Passenger side, Ramco CRM-310-1752-A18-TPHCHR, chrome, door mounted, heated and power adjustable from inside the cab
- Yes ☒ No ☐ - Single color cab paint (white)
- Yes ☒ No ☐ - Undercoating. Cab
- Yes ☒ No ☐ - Front axle, Henderson SteerTek, 18,000 lb. minimum rating
- Yes ☒ No ☐ - Front Suspension, Hendrickson, parabolic spring, or tak-4 independent 18,000 lb. minimum rating
- Yes ☒ No ☐ - Single rear axle, Meritor RS-24-160, 24,000 lb. minimum rating
- Yes ☒ No ☐ - Rear Suspension, Reyco 79KB, parabolic spring suspension, 24,000 lb. minimum rating
- Yes ☒ No ☐ - Front tires, Michelin X Line Energy Z, 315/80R 22.5
- Yes ☒ No ☐ - Rear tires, Michelin XZE2 H 11R 22.5
- Yes ☒ No ☐ - Alcoa Dura-Bright aluminum wheels (w/centers & lug covers)
- Yes ☒ No ☐ - Counter acting balancing beads for tires
- Yes ☒ No ☐ - Tire pressure indicators (NFPA)
- Yes ☒ No ☐ - S-cam brakes



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- Yes ☒ No ☐ - Antilock braking system (ABS)
- Yes ☒ No ☐ - Tilt/Telescopic steering wheel
- Yes ☒ No ☐ - Moisture ejectors, Wet Tank, manual/auto
- Yes ☒ No ☐ - Nylon air lines w/compression fittings upgrade
- Yes ☒ No ☐ - Additional air horn reservoir (1200 cu.in. minimum)
- Yes ☒ No ☐ - 10.19" high x 3.63" deep parallel style frame rails
- Yes ☒ No ☐ - Vehicle top speed will be the maximum as permissible by NFPA 1900
- Yes ☒ No ☐ - Wabco System Saver 1200 Plus, air dryer
- Yes ☒ No ☐ - Engine 450 HP., Cummins (Specify Engine model L9)
- Yes ☒ No ☐ - Fan clutch
- Yes ☒ No ☐ - Auxiliary engine brake (Jake)
- Yes ☒ No ☐ - Engine high idle control, manual
- Yes ☒ No ☐ - DEF tank access fill door
- Yes ☒ No ☐ - Engine exhaust system, Vertical exhaust, ran thru forward body compartment on officer side against the wall with heat shield installed
- Yes ☒ No ☐ - Automatic Transmission, Allison 3000 EVS
- Yes ☒ No ☐ - Spicer heavy duty 1710 driveline
- Yes ☒ No ☐ - 50 gal. fuel tank minimum
- Yes ☒ No ☐ - Fleetguard FS1098 fuel filter/water separator
- Yes ☒ No ☐ - 320 amp Leece-Neville alternator
- Yes ☒ No ☐ - Driver Overhead switch panel
- Yes ☒ No ☐ - Dual USB power points, driver dash
- Yes ☒ No ☐ - Dual USB power points, officer dash
- Yes ☒ No ☐ - Electrical system, point to point
- Yes ☒ No ☐ - Vehicle data recorder/seat belt warning system
- Yes ☒ No ☐ - Four (4) group 31 batteries



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- Yes ☒ No ☐ - Relocate batteries to lower part of first body compartment and cover with easily removable cover plate for service
- Yes ☒ No ☐ - Battery jumper studs, driver side lower step, forward position
- Yes ☒ No ☐ - Cab step lights, Qty. 2 (one per door) LED
- Yes ☒ No ☐ - Cab underbody lights, Qty. 2 (one per door) LED
- Yes ☒ No ☐ - Engine compartment work lights, Qty. 2, LED
- Yes ☒ No ☐ - DOT marker lights, LED
- Yes ☒ No ☐ - Interior overhead lights, red & white, LED, at each cab door
- Yes ☒ No ☐ - Cab interior door warning lights, Whelen, Vertex Amber
- Yes ☒ No ☐ - HAAS Alert system, HA-5, with 5 year subscription
- Yes ☒ No ☐ - Back-up alarm, Ecco 575
- Yes ☒ No ☐ - Chrome bumper
- Yes ☒ No ☐ - 24" extended bumper, with treadplate gravel shield
- Yes ☒ No ☐ - Bumper tool compartments, Qty. 3 (center, left & right sides of frame rails)
- Yes ☒ No ☐ - Single full width raised style treadplate door for all three bumper compartments
- Yes ☒ No ☐ - Gas struts, Qty. 2, for all bumper compartment doors (no springs)
- Yes ☒ No ☐ - LED lighting for bumper compartments
- Yes ☒ No ☐ - Turtle tile in bumper compartments
- Yes ☒ No ☐ - Bumper Guide Poles, lighted (LED), one each side of bumper
- Yes ☒ No ☐ - Front 3" tow eyes, Qty. 2, painted black, below bumper
- Yes ☒ No ☐ - Whelen 295HFS2 electronic siren
- Yes ☒ No ☐ - Two (2) 100 watt siren speakers, recessed one each side of bumper
- Yes ☒ No ☐ - Two (2) stainless steel speaker grilles
- Yes ☒ No ☐ - One (1) Federal Q2B siren, pedestal mounted, left side of bumper
- Yes ☒ No ☐ - Q2B siren foot switches, Qty. 2, driver & officer seats
- Yes ☒ No ☐ - Q2B siren brake switches, Qty. 2, for driver & officer



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- Yes ☒ No ☐ - Cab lightbars, front of cab, Qty. 3, Whelen IV, F4NMINI 21.5" (clear lens, red/white LED's), fully populated, one forward facing, two outside lights to be on 45-degree angles
- Yes ☒ No ☐ - 4 Lower NFPA warning lights one on cab one on body each side to be Whelen, M6 LED's
- Yes ☒ No ☐ - 4 Upper NFPA warning lights on body two each side to be Whelen, M9 LED's
- Yes ☒ No ☐ - Four (4) Whelen model 6RB Rota-Beam LED lights installed on front grille area (clear lens w/red LED's)
- Yes ☒ No ☐ - Two (2) Whelen model 6RB Rota-Beam warning lights, one each side of bumper for intersection lights (clear lens w/red LED's)
- Yes ☒ No ☐ - Whelen M6 lights, to be installed over the front wheels of the apparatus, (clear lens, red LED's)
- Yes ☒ No ☐ - Two side facing Whelen M9RC lights shall be installed on the front upper body corners, driver and officer side
- Yes ☒ No ☐ - Two side facing Whelen M9RC lights shall be installed on the rear upper body corners, driver and officer side
- Yes ☒ No ☐ - Two rear facing Whelen M9 lights shall be installed on the upper rear of the apparatus
- Yes ☒ No ☐ - The upper rear facing body warning lights to be Whelen M-9's, the left light to have clear lens with blue LED's, the right light to have clear lens with red LED's
- Yes ☒ No ☐ - Chrome light flanges for all emergency lights
- Yes ☒ No ☐ - All warning lights to have clear lens w/red LED's, with exception of two of the four rear facing emergency lights that will have clear lens with blue LED's
- Yes ☒ No ☐ - Class 1 TSM, load management system
- Yes ☒ No ☐ - Kussmaul Euro on board battery charger and air compressor system
- Yes ☒ No ☐ - Auto Eject receptacle for Kussmaul Euro charging system with battery charge indicator (location left rear of apparatus)



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- Yes ☒ No ☐ - Two (2) 24" air horns, recessed one each side of bumper
- Yes ☒ No ☐ - Air Horn control, (driver foot switch & dual style lanyard)
- Yes ☒ No ☐ - 40 amp power & ground connection for mobile radio (constant power)
- Yes ☒ No ☐ - Two (2) Whelen PCH2 brow lights front edge of cab, white (switch located in driver side overhead switch panel)
- Yes ☒ No ☐ - Two (2) Akron ELSS-XLAC-POD, 240W – 120V telescoping, tripod mounted lights, (location – rear of apparatus)
- Yes ☒ No ☐ - Back-up camera system, Fire Research Inview 360, model SNB100-COO (four (4) camera system)
- Yes ☒ No ☐ - Inview 360HD 7" color monitor for back-up camera system
- Yes ☒ No ☐ - Four (4) Streamlight, Vulcan, model 44315 LED rechargeable handlights, installed as directed by fire department.
- Yes ☒ No ☐ - A two (2) position David Clark 9900 wireless intercom system shall be installed (both positions shall be for radio & intercom communications) H9990 headsets – over the head, single ear only.
- Yes ☒ No ☐ - Supply and install two (2) radio antennas as directed by fire department
- Yes ☒ No ☐ - Install two (2) fire department supplied radios as directed by fire department
- Yes ☒ No ☐ - Install customer supplied thermal imaging camera charger in cab compartment as directed by fire department
- Yes ☒ No ☐ - Body DOT marker lights, LED
- Yes ☒ No ☐ - Whelen M6 tail lights, brake lights & turn signals
- Yes ☒ No ☐ - Chrome, 4-place tail light bezel for M6 lights (lower rear M6 warning light to be included in this chrome bezel)
- Yes ☒ No ☐ - Stainless steel license plate bracket, w/ LED light
- Yes ☒ No ☐ - Ground lights, LED (cab doors, two (2) mid body, each side, under each compartment doors, behind rear wheels, two (2) under rear step)
- Yes ☒ No ☐ - Two (2), rear, flush mounted scene lights, Whelen, M9 series, model M9LZC



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mounted below the canopy

Yes ☒ No ☐ - Two (2), left side, upper body corner flush mounted scene lights, Whelen, M9 series, model M9LZC

Yes ☒ No ☐ - Two (2), right side, upper body corner flush mounted scene lights, Whelen, M9 series, model M9LZC

Yes ☒ No ☐ - Two (2), one left side, one right side of cab behind door, flush mounted scene lights. Whelen Pioneer Plus PFH1 with semi-recess housing

Yes ☒ No ☐ - Switches on overhead switch panel for (left side scene lights, right side scene lights, rear facing scene lights)

Yes ☒ No ☐ - Additional Auto Reverse switching for the rear facing M9LZC scene lights

Yes ☒ No ☐ - Custom diagramic door ajar system of the exact truck, showing all eleven cab & body compartments as well as the top side compartments. The system shall indicate the exact door that is ajar, the system panel to also indicate apparatus accessories not stowed, such as light towers etc... No exception to this requirement

Yes ☒ No ☐ - 3/16" Aluminum Body Upgrade, No Exception

Yes ☒ No ☐ - Electrolysis corrosion control system for all high corrosion potential areas on body, high zinc compound sacrificial barrier between dissimilar metals

Yes ☒ No ☐ - Hot dipped galvanized body subframe with lifetime corrosion warranty

Yes ☒ No ☐ - Rear tow plates, under body

Yes ☒ No ☐ - 101" body width, minimum

Yes ☒ No ☐ - 210" body length, minimum

Yes ☒ No ☐ - R.O.M. brand natural finish roll-up compartment doors on exterior chassis compartments and on exterior body compartments

Yes ☒ No ☐ - Hinged style doors on top side cascade bottle compartments

Yes ☒ No ☐ - One (1) ¾ to full length LED tube light on the roof of each cab and body exterior compartment. Compartment L2/R2 of the body will have two (2) LED tube lights mounted to the roof, one each side of the pull out SCBA mounted boards



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Yes ☒ No ☐ - Two (2) $\frac{3}{4}$ to full length horizontally mounted LED tube lights in each of the cab and body and exterior compartments

Yes ☒ No ☐ - There will be ten (10) additional LED tube lights mounted on the walls horizontally below the shelves in the CAB L1, L1 (2 lights), L2, B1 (2 lights), CAB R1, R1,R2 and R3 compartments

Exterior Body Compartments

Yes ☒ No ☐ - The following body & cab compartmentation shall be provided

Left Side Compartments

- CAB L1, A LEFT-SIDE EXTERIOR ACCESS CAB COMPARTMENT LOCATED OVER THE FRONT WHEELS, DIMENSIONS 35" WIDE X 58.5" HIGH X TRANSVERSE
- L1, A LEFT-SIDE FULL COMPARTMENT LOCATED JUST BEHIND THE CAB, DIMENSIONS 48" WIDE X 74" TALL X TRANSVERSE
- L2, A LEFT-SIDE FULL HEIGHT COMPARTMENT LOCATED AHEAD OF THE REAR WHEELS, DIMENSIONS 41" WIDE X 74" HIGH X TRANSVERSE
- L3, A LEFT-SIDE COMPARTMENT LOCATED OVER THE REAR WHEELS, DIMENSIONS 56" WIDE X 43.5" HIGH X 50" DEEP
- L4, A LEFT-SIDE FULL HEIGHT COMPARTMENT LOCATED BEHIND THE REAR WHEELS, DIMENSIONS 65" WIDE X 74" HIGH X 26.5" DEEP

Right Side Compartments

- CAB R1, A RIGHT-SIDE EXTERIOR ACCESS CAB COMPARTMENT LOCATED OVER THE FRONT WHEELS, DIMENSIONS 35" WIDE X 58.5" HIGH X TRANSVERSE
- R1, A RIGHT-SIDE FULL COMPARTMENT LOCATED JUST BEHIND THE CAB, DIMENSIONS 48" WIDE X 74" TALL X TRANSVERSE
- R2, A RIGHT-SIDE FULL HEIGHT COMPARTMENT LOCATED AHEAD OF THE REAR WHEELS,



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DIMENSIONS 41" WIDE X 74" HIGH X TRANSVERSE

- R3, A RIGHT-SIDE COMPARTMENT LOCATED OVER THE REAR WHEELS, DIMENSIONS 56" WIDE X 43.5" HIGH X 50" DEEP
- R4, A RIGHT-SIDE FULL HEIGHT COMPARTMENT LOCATED BEHIND THE REAR WHEELS, DIMENSIONS 65" WIDE X 74" HIGH X 26.5" DEEP

Rear Compartment

- B1, A FULL-HEIGHT COMPARTMENT ON THE REAR OF THE APPARATUS, DIMENSIONS 48" WIDE X 74" HIGH X 65" DEEP

Top Side Cascade Bottle Compartments

- FOUR (4) COMPARTMENTS (T1,T2,T3,T4) SHALL BE LOCATED ON TOP OF THE APPARATUS TO HOUSE THE EIGHT CASCADE BOTTLES

Yes ☒ No ☐ - Compartments T1, T2, T3 and T4 shall have large vents to ensure no dampness builds up in the compartment. These vents should preferably vent into the body of the apparatus and not to the outside air to prevent rain from getting into the compartment.

Yes ☒ No ☐ - Ten (10) heavy duty roll-out trays installed, locations as directed by fire department

Yes ☒ No ☐ - Four (4) heavy duty pull-out, tilt trays installed, locations as directed by fire department

Yes ☒ No ☐ - Seven (7) heavy duty pull-out tool boards installed, locations as directed by fire Department. Boards will be supplied with brackets to hold axes, forcible entry tools, bolt cutters, sledge hammer and pinch bar

Yes ☒ No ☐ - Four (4) of the pull-out tool boards located in the L2, R2 compartment will have custom integral full-length trays installed on the bottom of the tool board for holding SCBA mask

Yes ☒ No ☐ - Twelve (12) SCBA mounting brackets to be installed on tool boards in the L2, R2



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compartment as directed by fire department

Yes ☒ No ☐ - Two (2) forty-nine place SCBA bottle racks installed (1 in L4 compartment, 1 in R4 compartment). Racks to be constructed of poly or aluminum, if rack is constructed of aluminum it shall be coated with Line-x. These racks shall be at an angle to prevent bottles from sliding out or install device to prevent sliding

Yes ☒ No ☐ - One ten (10) place SCBA bottle rack installed over the SCBA fill station in the rear compartment, (B1). Rack to be constructed of aluminum or poly material. If rack is constructed of aluminum it shall be coated with Line-x

Yes ☒ No ☐ - Storage bins constructed of aluminum and coated to match cab interior shall be installed in the right side exterior cab compartment, CAB R1, for stowing the following items. 4 - large style folding chairs 1 - 12' pop-up style tent

Yes ☒ No ☐ - Turtle tile installed on floor of each compartment with exception of (L5, R5, B1)

Yes ☒ No ☐ - Ventilation vents installed in each compartment

Yes ☒ No ☐ - Flat back design on rear of apparatus

Yes ☒ No ☐ - 10" deep rear step/tailboard

Yes ☒ No ☐ - A Dometic model CFX100W refrigerator shall be provided and installed in L2 body compartment on roll out tray as directed by fire department. This compartment will also have a 12V battery powered power and 110V shoreline power outlet.

Yes ☒ No ☐ - Eight (8) pike pole mounting tubes, installed as directed by fire department (4-for regular pike poles, 4-for NY roof hooks)

Yes ☒ No ☐ - Five (5) Cast Products bolt on steps installed on left rear of apparatus

Yes ☒ No ☐ - One (1) full body height vertical handrail, left rear of apparatus

Yes ☒ No ☐ - Two (2) 12" handrails, upper rear of apparatus as directed by fire department

Yes ☒ No ☐ - Three (3) 500 lb. rated, under body pull-out platform style steps mounted under the following compartments (L4, R4, B1)

Yes ☒ No ☐ - Rub rails, lower body, extruded aluminum

Yes ☒ No ☐ - Three (3) Girard model G-2000, 12V, electric awnings, (1-left side of body, 1-right side of body, 1- rear of body) / Color-white



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- Yes ☒ No ☐ - Three (3) wheel well Extinguisher compartments w/brushed aluminum doors, (1- left side of apparatus, 2- right side of apparatus)
- Yes ☒ No ☐ - 15KW PTO Generator system, complete with circuit breaker box
- Yes ☒ No ☐ - Fire Research FROG-D model FDA100 series generator display/monitoring kit
- Yes ☒ No ☐ - Four (4) 20 Amp 125/250V twist-lock receptacles (2 – one each side of body in wheel wells, 2 – rear of body for tripod lights)
- Yes ☒ No ☐ - Three (3) shoreline powered 110V, double straight blade receptacles, installed as directed by fire department (1- in CAB L1 compartment for radio, TIC, Pack tracker, 1- in L2 compartment for refrigerator, 1 – L1 compartment for radio)
- Yes ☒ No ☐ - Two (2) Hannay ECR-1616-17-18 series electric cable reels with electric rewind, installed in tops of L1 & R1 compartments as directed by fire department
- Yes ☒ No ☐ - 200' of 120V, 10/3 black electric cord installed on each of the two electric Reels
- Yes ☒ No ☐ - Electric cable on reels to have 20 amp 125/250V, 3-Prong, twist-lock female Connector to match all current TVFD Department connectors
- Yes ☒ No ☐ - Orange ball stops to be included on each cable reel
- Yes ☒ No ☐ - All twist lock plugs will be or compatible with Hubbell HBL9965C or Leviton 9965-C
- Yes ☒ No ☐ - All twist lock receptacles will be or compatible with Hubbell HBL7310B or Leviton 7310-B. All exterior receptacles with have weather proof covers
- Yes ☒ No ☐ - Two (2) Circle -D model PF51G-5 yellow electrical junction boxes shall be provided with 12" pigtails with twist-lock plugs, each box to have four (4) 120V, 20 amp, twist-lock receptacles with hinged weatherproof covers
- Yes ☒ No ☐ - Four-sided encompassing stainless steel roller units shall be installed for each of the two cord reels
- Yes ☒ No ☐ - Brushed aluminum storage brackets shall be installed for each of the two electrical junction boxes
- Yes ☒ No ☐ - Two (2) Akron ELSS-XLAC-POD, 240W – 120V telescoping, tripod mounted lights,



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(location – rear of apparatus). The light head shall contain 48 high power LED's and a highly polished reflector

Yes ☒ No ☐ - A Command Light, part number CL602A-FS LIGHT TOWER shall be installed, The Command Light shall be equipped with six (6) Fire Research Spectra 120 volt lights. Each light shall be 220 watts for a total of 1320 watts and 120,000 lumens.

Yes ☒ No ☐ - The light tower shall be recess mounted into the front top of the body, control to be mounted in the L1 compartment

Yes ☒ No ☐ - A breaker box shall be installed on the front wall of the L1 compartment with breakers for each appliance as instructed by the fire department

Yes ☒ No ☐ - Breathing Air Control Panel - A control panel shall be provided with all necessary components for filling SCBA and SCUBA cylinders by the cascade method of filling from a storage system. The recharging of the storage cylinders from a remote air source is also performed through this panel. The panel shall be made of heavy gauge stainless steel with a non-glare finish for long life.

The fill panel shall consist of a control panel and SCBA/SCUBA filling connections provided on the bottom of the panel. All panel-mounted components shall be piped with high-pressure stainless- steel tubing and shall be built for 6000 PSI service. All panel mounted components shall be individually labeled. All pressure gauges shall be liquid filled. Operational training shall be supplied to the fire department/end user by qualified personnel.

Yes ☒ No ☐ - Control Panel

The control panel shall include the following items:

1. Inlet pressure gauge
2. Adjustable pressure regulator
3. Regulated outlet pressure gauge
4. Isolation valve and gauge for eight (8) storage cylinders
5. Eight (8) fill control valves
6. Eight (8) fill pressure gauges
7. Eight (8) pressure relief valves for regulated fill pressure



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An air direction valve and outside air refill connection shall be provided to allow operator control of re-filling from another air source.

Yes ☒ No ☐ - ISO Pressure Vessel Air Storage Specifications

Eight (8) ISO breathing air pressure vessels shall be provided with a shut off valve and relief valve. The air pressure vessels shall be labeled "Breathing Air" with paint on the cylinders in 1" high black lettering. The new ISO pressure vessels shall have a stamped date of manufacture within 12 months from the date of the shipping date. The Air Storage system shall be installed with all necessary equipment as per NFPA 1901. Proper connection adapters will be provided to attach hose(s).

The following ISO air pressure vessels shall be provided:

1. Quantity: Eight (8)
2. Pressure: 6,000#
3. Diameter: Approximately 10"
4. Height: Approximately 56"
5. Weight: Approximately 200 pounds (empty)

This specification defines the requirements for a compressed air system used to provide air suitable for human respiration with self-contained breathing apparatus (SCBA). The air system is to be designed for mobile operation.

Yes ☒ No ☐ - Cylinder Fill Enclosure

A Breathing Air Systems Model M2792H horizontal fill enclosure for mobile applications shall be installed on the apparatus. The fill station shall have the ability to fill two (2) SCBA or SCUBA cylinders, either simultaneously or individually. A prototype of the fill station must have been tested under NFPA-1901 guide lines.

The unit will be constructed of .25 inch plate steel. The fill enclosure door is constructed of .25 inch stainless steel. The cylinder holders will be lined with a material to protect each cylinder from abrasion.

Access to the enclosure for filling cylinders shall be through a manually operated slide-up door and tilt-out bottle holder. Three (3) gas filled springs shall be provided to assist in the operation of the fill station door and cylinder holders. A mechanical twist latch shall be provided to secure the door in the closed position



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The loading position from a standard truck compartment floor to the center of the bottle valve shall be approximately 13.6 inches. The maximum length of either a SCBA or SCUBA bottle with the valve and fill adapter is 29 inches.

An Automatic, air operated, safety interlock system shall be provided to prevent the accidental filling of a cylinder until the door is completely closed and latched. Two fill hoses will be provided each with stainless steel SCBA fill adaptors and bleeder, on/off valves shall also be provided and located inside the fill enclosure.

The fill station shall be designed so if a cylinder should rupture, rapidly expanding air is vented through an opening in the bottom of the enclosure and out through the compartment floor. A breakaway rubber seal will be provided to seal the compartment floor.

The fill station shall be designed to conserve space and will not exceed the following dimensions: 43.5" wide, 25" DEEP, and 13.5" HIGH. The fill station shall not exceed 425 pounds.

Two (2) fill hoses shall be located within the fill station. The fill hoses shall be equipped with bleeder valves and SCBA fill adapters of choice. CGA-346 male adapters shall be provided to anchor the fill hoses when not in use.

The fill station shall be third party tested and a copy of the manufacturers test report shall be provided on delivery. An operator's instruction and maintenance manual shall be supplied on delivery. The manual shall outline all operating and maintenance instructions. The manual shall include detailed illustrated drawings along with a complete parts listing for all illustrated components.

Warnings and safety precautions shall be included in the manual.

A manufacturer's nameplate shall be securely affixed to stations frame in a conspicuous location.

Yes ☒ No ☐ - Air Booster Unit

Hydraulics International air booster unit, Model 2G-B50502-A500- B600-R shall be installed. The unit shall be rated to 6000 PSI for breathing air service. A double acting configuration 50/50 ration operating at 70 CPM.

The unit consists of P/N 2G-B50502-R, automatic stop and restart high limit switch factory pre-set to 6000 PSI, automatic stop and restart low limit switch factory pre-set to 500 PSI, manual start & Stop switch, remote start stop switch with 10-foot cord, gas inlet and outlet filers, safety relief valve set at 6100 PSI (adjustable), inlet & outlet gauges, outlet shutoff valve (needle type), bleed valve (needle type), 6-digit hour meter, 1/4" 37-degree flare inlet & outlet ports, and 220 VAC 1-phase 60-Hz voltage. All items are mounted on a tubular frame and control panel with gauges and valves panel mounted.



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The unit shall be plumbed as follows:

1. One (1) dedicated storage bottle, supplied with air from the booster's outlet port. This tank shall feed the SCBA fill station. All other storage bottles on the apparatus shall be supplying the unit with air and be plumbed in a parallel manner.
2. A refill port using a Pioneer 3000 2-male fitting shall be installed on the SCBA refill panel and allow the entire system to be refilled upon depletion of air supply.
3. A 50-ft 3/16" hose with a Pioneer 3000 2 female fitting shall be provided with the system.

Yes ☒ No ☐ - Cascade Refill Air Hose

One (1) 25' length of 1/4" high pressure (minimum of 5000 PSI rating) air hose shall be provided for refilling of the on-board air system. The hose shall be provided with a shutoff bleeder and include the appropriate fittings.

Yes ☒ No ☐ - Paint, single color body & cab (white)

Yes ☒ No ☐ - Compartment lining upgrade, compartment interiors to be coated with heavy duty commercial grade lining system, (Line-X, gray)

Yes ☒ No ☐ - Compartment shelves, trays, tool boards etc.... shall be coated similar in color to compartment interiors

Yes ☒ No ☐ - Lettering, up to seventy-five 4" mylar letters, shall be provided and installed as directed by fire department

Yes ☒ No ☐ - Lettering, up to fifty 8" – 12" mylar letters, shall be provided and installed as directed by fire department

Yes ☒ No ☐ - Bumper lettering, lettering shall be installed on the front bumper as directed by fire department, the lettering shall read "THIBODAUX"

Yes ☒ No ☐ - Custom Door Seals (emblem), Install customer supplied custom door seals

Yes ☒ No ☐ - Reflective stripe, a 1" x 6" x 1" Z style, red reflective stripe shall be installed on the body and chassis as directed by fire department

Yes ☒ No ☐ - Rear reflective NFPA chevron, color-red/white

Yes ☒ No ☐ - Two (2) standard size, aluminum wheel chocks, mounted

Yes ☒ No ☐ - Install & wire customer supplied thermal imaging camera, as directed by fire



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department

- Yes ☒ No ☐ - Install two (2) customer supplied mobile radio's
- Yes ☒ No ☐ - One (1) 15 lb. CO2 extinguisher (must fit in wheel well extinguisher compartment)
- Yes ☒ No ☐ - One (1) 20 lb. ABC extinguisher (must fit in wheel well extinguisher compartment)
- Yes ☒ No ☐ - One (1) 2.5 gal. water extinguisher (must fit in wheel well extinguisher compartment)
- Yes ☒ No ☐ - Four (4) 6' N.Y. ceiling hooks
- Yes ☒ No ☐ - Four (4) 6' fiberglass pike poles
- Yes ☒ No ☐ - Two (2) spray bottle holders fabricated of aluminum shall be provided and installed as directed by fire department
- Yes ☒ No ☐ - Eyelets with straps shall be installed on the top tray located in the rear compartment (B1). This shall be for tarp securement. Installation shall be as directed by fire department.
- Yes ☒ No ☐ - Eyelets with straps shall be installed on the pull-out tray in the L3 compartment to secure an Igloo 5 gal. cooler as directed by the fire department
- Yes ☒ No ☐ - Two (2) saw storage boxes constructed of aluminum shall be installed in the right side compartment located over the rear wheels (R3). Installation shall be as directed by the fire department.

Note: Any item(s) designated as being mounted shall be done so as directed by the fire department.

See drawing on Page 23 of 23 developed by TVFD as a guide to bidders. Bidders to submit their own drawing showing details of their bid.

END OF SPECIFICATIONS



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PRICING PAGE PRICE: (each) \$ 837,294.00 (figure)

Company submitting proposal: Bonaventure Co, Inc.

Manufacturer: Rosenbauer South Dakota, LLC.

Signature: Nolan J. LeBlanc

Printed Name: Nolan J. LeBlanc

Title: Registered Agent

Receipt of Addendums: Ø

DELIVERY (calendar days) 545

Options:

Provide separate pricing for the following items

1. If fire department pays for chassis upon completion/delivery \$ 13,415.00
(DEDUCT)

