



Township of Blandford-Blenheim  
Initial Attack Unit  
RFP #2023-01

## REQUEST FOR PROPOSAL

**Township of Blandford-Blenheim**

**Proposal # 2023-01**

**Supply (1) One Initial Attack Unit**

**ISSUE DATE: August 30<sup>th</sup>, 2023**

**CLOSING DATE: September 20<sup>th</sup>, 2023**

### **PART A – INSTRUCTIONS, TERMS AND CONDITIONS – GENERAL**

#### 1. DELIVERY OF SUBMISSION

Delivery of submission to the proper location, and prior to the time deadline is the sole responsibility of the Bidder. The Corporation of the Township of Blandford-Blenheim will not be responsible for submissions which are lost or delayed due to method of delivery, travel conditions or impeded access to the delivery point.

Submissions received after the deadline will be returned unopened without exception.

All proposals must be in a sealed envelope and received no later than

**September 20<sup>th</sup>, 2023 - 10am**, local time, at:

The Township of Blandford-Blenheim  
47 Wilmot Street, South.  
Drumbo, Ontario  
N0J 1G0

The envelope must clearly state the **closing date** and that it contains **Blandford-Blenheim Initial Attack Unit RFP #2023-01**. Failure to comply may result in a bid being opened with regular mail, which may result in a late submission or unacceptable submission as the envelope was opened.

The Corporation of the Township of Blandford-Blenheim reserves the right to accept or reject any or all proposals.

Proposals will not be accepted via fax, or any other electronic medium.

#### 2. RIGHT TO ACCEPT OR REJECT

The Township of Blandford-Blenheim reserves the right to accept or reject any or all proposals.

Proposals that are illegible, incomplete, unbalanced, conditional, and obscure or contain irregularities of any kind may be rejected.



### 3. QUERIES

Queries should be emailed and directed to Director of Protective Services Drew Davidson at [ddavidson@blandfordblenheim.ca](mailto:ddavidson@blandfordblenheim.ca)

If necessary, a written clarification will be issued to all prospective bidders, in the form of an addendum. The Corporation of the Township of Blandford-Blenheim will assume no responsibility for oral instructions or changes.

### 4. PRICING

Price must be in Canadian Funds landed, F.O.B. destination to the Corporation of the Township of Blandford-Blenheim facilities, Ontario, Canada, including all freight and custom charges.

### 5. TAXES

Quote taxes as follows: HST - extra

### 6. INVOICING

The Manufacturer shall invoice the Corporation of the Township of Blandford-Blenheim Fire Department.

### 7. AWARD OF CONTRACT

The contract will be awarded based on the submission that best meets the needs of the Corporation of the Township of Blandford-Blenheim. In this regard, the decision of the Township of Blandford-Blenheim is final.

The lowest or any proposal will not necessarily be accepted.

### 8. EVALUATION OF SUBMISSIONS

Evaluation of submissions will be based on the following criteria, but not necessarily weighted in the order shown:

- Delivery Date
- Manufacturer Specifications
- Warranty Terms and Conditions
- Service and Maintenance Availability
- Purchase Cost & Payment Schedule
- Apparatus Design
- Quality of Workmanship
- Minimum Specifications
- Inclusions beyond Minimum Specifications



## 9. ASSIGNMENT OF CONTRACT

This contract may not be assigned, sub-contracted or let out, in whole or in part, without the prior written consent of the Corporation of the Township of Blandford-Blenheim.

## 10. CONFLICT OF INTEREST

Bidders shall disclose to the Corporation of the Township of Blandford-Blenheim, prior to award of the contract, any potential conflict of interest. If such conflict of interest does exist, the Corporation of the Township of Blandford-Blenheim may, at its discretion, withhold award of the contract until such conflict is suitably resolved. If the conflict cannot be resolved, the Corporation of the Township of Blandford-Blenheim may elect to not award the contract without penalty to the Corporation of the Township of Blandford-Blenheim.

Bidders will, upon request, provide all pertinent information regarding ownership of their company. This information to be supplied within forty-eight (48) hours after the request.

## 11. LITIGATION

No submission shall be accepted from any person or corporation who, or which, has a claim or instituted a legal proceeding against the Corporation of the Township of Blandford-Blenheim without prior approval by the Corporation of the Township of Blandford-Blenheim.

No submission shall be accepted from any person or corporation against whom the Corporation of the Township of Blandford-Blenheim has a claim or instituted a legal proceeding with respect to any previous contract, without prior approval by the Corporation of the Township of Blandford-Blenheim.

## 12. ACCEPTANCE PERIOD

This proposal submission is irrevocable and open for acceptance until ~~ninety (90)~~ **thirty (30)** days after the closing date.



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<b>INTENT OF SPECIFICATIONS</b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>It is the intent of these specifications to cover the furnishing and delivery to the Township of Blandford-Blenheim one fire apparatus equipped as specified. With a view of obtaining the best results and the most acceptable apparatus for service in the Fire Department, these specifications cover only the general requirements to the type of construction and tests to which the apparatus must conform, together with certain details as to finish, equipment, and appliances with which the successful vendor must conform. Details of construction and materials where not otherwise specified are left to the discretion of the manufacturer, who shall be solely responsible for the design and construction of all features. The apparatus shall conform to the requirements of the current (at the time of proposal) National Fire Protection Association Standard 1901</p>		
<p>Vehicle chassis and fire pumps and equipment shall be tested to Underwriter's Laboratories of Canada Standards and to be approved and certified by CAN /U.L.C - S515 - 04.</p>		
<p>Bids will only be considered from companies having an established reputation in the field of fire apparatus construction.</p>		
<p>In the event of a disagreement between this proposal and the tender document, the tender document will prevail. Exceptions to this will occur when a "List of Deviations" is submitted.</p> <p>It is the INTENT of these specifications to describe, in detail, the minimum requirements for a first class, CUSTOM BUILT, FIRE-FIGHTING UNIT. All parts not specifically mentioned which are necessary in order to provide a complete custom motor propelled truck shall be furnished by the bidder and shall conform in strength and quality of workmanship to that usually provided by the engineering practice indicated in these specifications.</p> <p>Vehicle is designed to operate up to 2000 feet/600 metres above sea level and at grades up to 6%.</p>		



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<b><u>BID DEPOSITS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>A bid deposit in the amount of 10% of the amount of the bid shall be submitted and provided in one of the following formats:</p> <ul style="list-style-type: none"> <li>• A bid bond or an agreement to bond issued by a bonding agency currently licensed to operate in the province of Ontario naming the Township of Blandford-Blenheim as the obligee.</li> <li>• A certified cheque made payable to the Township of Blandford-Blenheim.</li> <li>• An irrevocable letter of credit naming the Township of Blandford-Blenheim as the beneficiary.</li> <li>• A money order made payable to the Township of Blandford-Blenheim.</li> <li>• The Township of Blandford-Blenheim does not pay interest on any bid deposits.</li> </ul> <p>All bid deposits must be original documentation, signed and sealed as appropriate. No faxed or photocopies will be accepted. The Township of Blandford-Blenheim is authorized to cash and deposit any bid deposit in the Municipality's possession that is forfeited as a result of non-compliance with any of the terms, conditions and/or specifications of a sealed bid.</p>		
<b><u>PRE-CONSTRUCTION CONFERENCE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A pre-construction meeting will take place in Blandford-Blenheim.		
<b><u>FINAL INSPECTION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Final Inspection to take place at the factory with four (4) members from the Fire Department. All costs for any travel to be included in the pricing.		
<b><u>SERVICE CENTRE AND PARTS DEPOT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Each Vendor must prove they have and will maintain an established service centre and parts depot capable of satisfying the warranty service and parts requirements for the model bid. The Service Centre shall list information related to the number of fire apparatus serviced in the past twelve (12) months.		
The Vendor shall state the location of an authorized service centre, with a staff of factory-trained technicians, well versed in all aspects of service for all major components. In addition, the successful Vendor shall maintain a separate service facility at the manufacturing site, in order to satisfy the need for major emergency service work.		
<b><u>LOCAL REPRESENTATION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The manufacturer shall demonstrate they have an established regional representative and the representative will remain in place. This representative shall be knowledgeable with respect to the sale and service of fire apparatus. The manufacturer shall identify their ability to provide factory-trained technicians who are able to service and maintain the apparatus at the Purchaser's location.		



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<b><u>TECHNICAL EVALUATION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>Technical evaluation shall be based upon the ability of the Vendor to meet or exceed the minimum requirements set forth in the specifications. The following estimates concerning the ability of the fire apparatus to perform accordingly shall be made by the Purchaser;</p> <ul style="list-style-type: none"> <li>a) Quality of workmanship, materials and components used in construction of fire apparatus.</li> <li>b) Functional design of fire apparatus.</li> <li>c) Warranties.</li> <li>d) Life cycle (est. Service life)</li> <li>e) Any other factors the Purchaser deems to be relevant.</li> </ul>		
<b><u>LIABILITY</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>The Vendor, if their bid is accepted, shall protect and save harmless the purchaser and defend any and all suits and assume all liability for the use of any patented process, device or article forming a part of the apparatus furnished under the contract.</p>		
<b><u>DELIVERY</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>The vehicle shall be delivered F.O.B. to its assigned fire station within the Township of Blandford-Blenheim. The vehicle will be complete in all respects and will be subject to inspection by the Fire Chief. Delivery time and date shall be arranged a minimum of one week in advance of the delivery date. The vehicle must be registered and licensed for Ontario.</p>		
<b><u>DELIVERY PERIOD</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>The delivery period must be firm and vendors must not quote delivery periods they are unable to meet. If the promised delivery date is not met, the Purchaser <b>reserves the right</b> to evoke the Bid Deposit and/or cancel the order without penalty.</p>		
<b><u>PRICES</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>Bid prices shall remain fixed for the duration of the contract and no additional charges will be accepted. If any offers are subject to escalation, <b>the maximum percent escalation anticipated by the vendor must be clearly specified</b> with the RFP. The Purchaser in evaluating offers will apply this to the bid price. The Purchaser will offer to make 1 interim or partial payment for the chassis component only. Final payment will not be paid until the apparatus is deemed ready for service complete with all necessary in-station training. The apparatus quoted shall be warranted to be free from defects in material and workmanship under fire department emergency use. All discrepancies discovered during Field Service training and apparatus testing shall be covered under the manufacturer's warranties. Warranties shall be effective from the day the apparatus is placed in service. <b>NO EXCEPTION TO THIS SHALL BE CONSIDERED.</b></p> <p>The Vendor shall indicate the total bid price for apparatus specified in words and dollar figures. All prices shall be shown before and after applicable taxes and in Canadian funds.</p>		



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<b>ADDENDA AND INTERPRETATIONS</b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>No interpretation of the meaning of the specifications or other contract documents shall be made to any Vendor verbally. Every request for such interpretation shall be in writing and addressed to the Purchaser, and must be received at least ten (10) days prior to the date fixed for the opening of the bids to be given consideration. Any and all such interpretations and any supplemental instructions shall be in the form of written addenda to the specifications. Failure of any Vendor to receive any such addendum or interpretation shall not relieve any Vendor from any obligation under his bid as submitted. All addenda so issued shall become a part of the contract documents.</p> <p>Written requests shall be sent to the attention of the Township Fire Chief, Drew Davidson at 47 Wilmot St. S Drumbo ON, N0J 1G0 or by email at <a href="mailto:ddavidson@blandfordblenheim.ca">ddavidson@blandfordblenheim.ca</a>.</p>		
<b>“OR APPROVED EQUAL” CLAUSE</b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>The mention in the specifications of apparatus, equipment, or material by brand name or by such specified description of the same as is hereby made, is intended to convey to the vendor’s understanding, the degree of quality and performance required. Any article, equipment, or material shall conform to the standards, quality, and performance so established, and is of equal merit, strength, durability, and appearance to perform the desired function, is deemed eligible for offer as a substitute. The qualifications of the offering shall be judged as to their conformance with these specifications. Any equipment offered other than herein specified may be subject to a competitive demonstration and evaluation by the fire department. Such demonstration to be provided on request by the fire department within 10 days after the receipt of bids. The result of such demonstration and evaluation may be used in the evaluation of the Bid and may affect the awarding of the contract.</p> <p><b>Note: The purchaser will be looking to the Vendor to provide direction in the overall design of the apparatus as well as identify any errors or omissions in the specifications projected or anticipated to affect the intended overall performance of the finished product. This information shall be provided as part of the Proposal Submission.</b></p> <p><b>The materials and equipment within the RFP are meant to provide the Vendor with an understanding of the quality and use of the apparatus the customer is looking for.</b></p>		



<b>PERFORMANCE TESTS AND REQUIREMENTS</b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>The apparatus shall meet the following requirements:</p> <ul style="list-style-type: none"> <li>a) The apparatus must be capable of accelerating to 56 KPH (35 MPH) from a standing start within 30 seconds on a level paved highway without exceeding the maximum governed speed of the engine. The service brakes shall be capable of stopping the fully loaded vehicle in 7.7 M (30 feet) from a speed of 32 KPH (20 MPH) on a level paved highway.</li> <li>b) The apparatus, fully loaded shall be capable of obtaining a speed of <del>88 KPH (55 MPH)</del> <b>80 KPH (50MPH)</b> on a level paved highway with the engine not exceeding its full load governed RPM.</li> <li>c) The apparatus shall be tested and approved by Underwriter's Laboratories Inc., in accordance with their standard practices for pumping engines.</li> <li>d) The Manufacturer shall furnish copies of the pump manufacturer's Certification of Hydrostatic Test, the engine manufacturer's current Certified Brake Horsepower curve, and the Manufacturer's Record of Pumper Construction Details when delivered.</li> </ul>		
<p>The Vendor, at their expense, shall have Underwriter's Laboratories of Canada Inc. conduct the tests required under "Certification Department Pumper", latest version. A certificate of compliance with these tests shall be forwarded to the Purchaser within 90 days of the apparatus delivery date.</p>		
<b>FAILURE TO MEET TESTS</b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>In the event the apparatus fails to meet the test requirements of these specifications on the first trials, second trials may be made at the option of the Vendor and the Vendor's expense within 30 days of the date of the first trials. Such trials shall be final and conclusive, and failure to comply with these requirements shall be cause for rejection. Failure to comply with changes the Purchaser may consider necessary to conform to any clause of the specifications within 30 days after notice is given to the Vendor of such changes shall also be cause for the rejection of the apparatus.</p>		
<p>Permission to keep or store the apparatus in any building owned or occupied by the Purchaser or its use by the Fire Department during the above-specified period with the permission of the Vendor shall not constitute acceptance.</p>		





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<b>INFORMATION REQUIRED WITH BID</b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>Each Vendor shall provide with bid:</p> <ul style="list-style-type: none"> <li>a) The Purchaser's complete Request for Proposal as a part of the Vendor's bid proposal. All questions and blanks must be filled out completely.</li> <li>b) A set of "Manufacture Specifications" consisting of a detailed description of the apparatus and equipment proposed and to which the apparatus furnished under contract must conform. The "Manufacture Specifications" shall be typed in the same sequence as these specifications for ease of checking compliance to same.</li> </ul> <p>These Specifications shall indicate size, type, model, and make of all parts, components, and equipment.</p> <ul style="list-style-type: none"> <li>a) A complete weight analysis of the apparatus proposed in accordance with the most current NFPA 1901 edition.</li> <li>b) A complete amp load analysis of the apparatus proposed in accordance with the most current NFPA 1901.</li> <li>c) The vendor shall confirm the delivery of the apparatus in calendar days from time of contract acceptance.</li> <li>d) The Vendor shall confirm that the bid price shall remain valid for <del>60</del> 30 days from bid opening.</li> <li>e) Vendors shall state full warranties and the length of time for which equipment and workmanship will be guaranteed.</li> <li>f) Vendor shall provide two (2) drawings and one (1) digital copy of the proposed apparatus for the fire department's review. The drawings shall show, but not be limited to, such items as the chassis being utilized, lights, horns, sirens, pump panels, and all compartment locations and dimensions. The blueprint shall be a visual interpretation of the unit as it is to be constructed. The drawing to be provided with the proposal is to show five (5) views. (FRONT, REAR, DRIVER'S SIDE, CURBSIDE, AND TOP VIEW.) warranties must be included with the proposal package.</li> </ul>		



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<b><u>OTHER CONDITIONS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<ul style="list-style-type: none"> <li>a) The sole contact for all submissions and interpretations of this RFP shall be the Township of Blandford-Blenheim Fire Chief. No changes to the apparatus design or equipment as specified shall be made without his written authorization.</li> <li>b) The successful vendor shall supply two (2) full sets of maintenance and operating manuals: one (1) hard copy and one (1) digital copy with each apparatus.</li> <li>c) The successful vendor shall supply a detailed weight analysis as per the most current NFPA 1901 edition, as well as a certified weight scale ticket of the completed apparatus with full water tank.</li> <li>d) The successful vendor shall provide certification of electrical system testing as per the most current NFPA 1901 edition for the 12 Volt and 110 Volt electrical systems.</li> <li>e) The successful vendor shall provide certification of the warning light systems compliance to the most current NFPA 1901 edition.</li> <li>f) The successful vendor shall provide full on-site training for fire fighters on the operation and maintenance of the apparatus at the designated fire station. No apparatus will be considered in service until training is complete.</li> <li>g) The Purchaser reserves the right to accept or reject any or all proposals, to add to or delete from the quantities or items proposed. Lowest or any proposal may not necessarily be accepted.</li> <li>h) The vendor will carry out all work in a workmanlike manner and to the satisfaction of the Purchaser.</li> </ul>		
<b><u>INVITATION TO BID</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>Take note the Township of Blandford-Blenheim shall receive sealed proposals from qualified manufacturers for the furnishing of one (1) fire apparatus as specified within this Request for Proposal.</p> <p><b>Said proposal shall be sealed and received by mail, courier or personal delivery no later than 10:00 am local time on September 19<sup>th</sup>, 20<sup>th</sup> 2023 and marked Blandford-Blenheim Initial Attack Unit RFP #2023-01 and directed to the attention of:</b></p> <p>Drew Davidson 47 Wilmot St. S Drumbo ON N0J 1G0</p>		



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<b><u>USER'S LIST</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>The Vendor shall provide the Name, Address, and Telephone Number of at least three (3) similar units previously manufactured and delivered to Fire Departments in Canada (preferred) or the United States. The Vendor shall also indicate the full name of the responsible person to contact at each Fire Department.</p> <p>1. Name: Address: Phone: Contact:</p> <p>2. Name: Address: Phone: Contact:</p> <p>3. Name: Address: Phone: Contact:</p> <p>IMPORTANT NOTE: This page (or similar substitute containing the designated information) MUST be included with the Bid Package, completely filled out.</p>		
<b><u>VEHICLE APPLICATION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>Emergency Vehicle: Initial Attack Unit</p> <p>The customers' expectation for the life span of this fire truck is a minimum of twenty (20) years. The equipment and materials offered by the Vendor in their proposals will be judged accordingly. It is expected only the highest quality equipment and materials will be offered.</p> <p><del>Vendor shall identify all required diagnostic equipment required to maintain electronic equipment proposed with apparatus.</del></p> <p>Proposals shall include full warranty information as well as two (2) sets of detailed design drawings and one (1) digital copy.</p>		
<b><u>GENERAL CONSTRUCTION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>Overall length is less than 30'.</p> <p>The GVWR of the chassis shall be adequate to carry the fully equipped apparatus including full water and other tanks, the specified hose load, unequipped personnel weight, ground ladders, and a miscellaneous equipment allowance in accordance with specified standards.</p>		
<b><u>EQUIPMENT CARRYING CAPACITY – ULC/FNFPA SSV TO 15,000 GVW</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>This vehicle is designed to carry the standard miscellaneous equipment load of 2000 pounds for a Special Services Vehicle of up to 15,000 pounds GVW.</p>		



<b><u>CERTIFICATION FOR FUSION WELDING OF STEEL AND ALUMINUM</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>Welding shall only be undertaken by a company certified by the Canadian Welding Bureau to the requirements of CSA Standard W47.1, Certification of Companies for Fusion Welding of Steel and CSA Standard W47.2, Certification of Companies for Fusion Welding of Aluminum.</p> <p>The company shall retain a Welding Engineer responsible for welding activities. The company shall also employ one or more full time Welding Supervisors responsible to the company for the supervision of welding. Each supervisor shall have five years of fabricating experience pertinent to the company's type of operation (Division 2).</p> <p>The Canadian Welding Bureau is accredited by the Standards Council of Canada as a Certification Organization for the administration of CSA Standard W47.1 and W47.2.</p>		
<b><u>QUALITY SYSTEM REGISTERED TO ISO 9001-2015</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>The Manufacturer's Quality System is registered to ISO 9001 by Quality Management Institute. ISO 9001, titled Quality Systems - Model for Quality Assurance in Production and Installation, is awarded to companies meeting and maintaining a strict series of quality-assurance guidelines. Receiving ISO 9001 certification means that a company has committed itself to maintaining a consistent level of quality across all areas of operation, from customer service and training to equipment calibration and maintenance. This certification is difficult to obtain and represents an organization's dedication to providing its customers with the best products and services possible.</p> <p>Certificates to be included – NO EXCEPTION</p>		
<b><u>ULC TESTING – IMPERIAL UNITS OF MEASURE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>This unit shall be tested by Underwriters' Laboratories of Canada at Vendor's plant in order to ensure compliance with applicable standards. The tests include:</p> <ul style="list-style-type: none"> <li>• a pump capacity test, to check pump output from draft as well as a tank flow test</li> <li>• a drafting test, to ensure that the unit can flow water from draft in 30 seconds</li> <li>• a vacuum test, to ensure that there are no vacuum leaks</li> <li>• a relief valve test, to ensure proper operation of the relief valve</li> <li>• a weight test, to ensure that the vehicle is not overweight on either axle or in total</li> <li>• a road test, to check acceleration and braking</li> </ul> <p>3<sup>rd</sup> party testing is acceptable.</p> <p>After this test, a plate shall be installed showing the pump capacity and RPM, as well as the test date, unit serial number, and no-load governed speed of the engine. CMVSS certification and safety mark are also installed.</p>		
<b><u>ENGINE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>ENGINE, DIESEL {Cummins B6.7 340} EPA 2021, 340HP @ 2600 RPM, 700 lb-ft.</p> <p>Torque @ 1600 RPM, 2600 RPM Governed Speed, 340 Peak HP (Max), (RATED FOR EMERGENCY VEHICLES ONLY)</p>		



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<b><u>MODEL PROFILE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
2024 MV607 SBA  Base Chassis, Model MV607 SBA with 193.00 Wheelbase, 82.00 CA, and 75.00 Axle to Frame		
<b><u>TRANSMISSION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Allison 3000 EVS} 6th Generation Controls, Close Ratio, 5-Speed with Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, Max, GVW N/A		
<b><u>TRANSMISSION SHIFT CONTROL</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission		
<b><u>TRANSMISSION OIL</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Synthetic, 20 through 42 pints		
<b><u>ALLISON SPARE INPUT/OUTPUT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
For Emergency Vehicle Series (EVS), Rescue, Ambulance, Package Number 170		
<b><u>SHIFT CONTROL PARAMETERS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Allison} 3000 or 4000 Series Transmissions, Performance Programming		
<b><u>PTO LOCATION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Customer does not intent to install PTO		
<b><u>SUSPENSION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{International IROS} 21,000-lb Capacity, 9.25" Ride Height, with Shock Absorbers mounted outside the rails.  The apparatus shall be equipped with a vehicle roll over stability system.		
<b><u>SUSPENSION, AIR CONTROL VALVE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Pressure release control in cab		
<b><u>AXLE, REAR, SINGLE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, Driver Controlled Locking Differential, 200 Wheel Ends. Gear Ratio: 4.89		
<b><u>SUSPENSION, REAR, AIR, SINGLE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{International IROS} 21,000-lb Capacity, 9.25" Ride Height, with Shock Absorbers Mounted Outside the Rails		
<b><u>AXLE, FRONT NON-DRIVING</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Meritor MFS-12-122A, I-Beam type, 12,000-lb capacity		
<b><u>SUSPENSION LEVELING VALVE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Dual height, one additional, for air ride suspension		
<b><u>AXLE, REAR, LUBE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{EmGard FE-75W-90} Synthetic Oil; 30 thru 39.99 Pints		



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<b><u>SUSPENSION- FRONT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>Spring parabolic taper left, shackle type, 12,000-lb capacity, with shock absorbers</p> <p>Includes:</p> <ul style="list-style-type: none"> <li>• spring pins</li> <li>• rubber bushings</li> <li>• maintenance-free</li> </ul>		
<b><u>ALTERNATOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Leece-Neville BLP4024N} Brushless, 12 Volt, 325 Amp Capacity, Pad Mount, with Remote Sense		
<b><u>FUEL/WATER SEPARATOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Racor 400 Series,} with Primer Pump, Includes Water-in-Fuel Sensor		
Mounted under hood, left side, above front axle		
<b><u>FUEL TANK</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Top draw, non-polished aluminum, D-style, 19" tank depth, 50 US Gal(189L), mounted left side, under cab		
<b><u>DEF TANK</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
7 US Gal (26L) capacity, frame mounted outside left rail, under cab		
<b><u>CLEARANCE MARKER LIGHTS (5)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Flush mounted		
<b><u>HEATER SHUT OFF VALVES (1)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Ball valve type, supply line		
<b><u>AIR CONDITIONER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
With integral heater and defroster		
<b><u>GAUGE CLUSTER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>Base level, English with metric electronic speedometer</p> <p>Includes:</p> <ul style="list-style-type: none"> <li>• GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/ Refill for</li> <li>• GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure or Auxiliary Air Pressure (if Air Equipped)</li> <li>• WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure, Primary and Secondary (if Air Equipped)</li> </ul>		
<b><u>POWER WINDOWS &amp; LOCKS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The cab shall have electrically powered windows and locks.		



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<b><u>SEATBELT WARNING PREWIRE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Includes Seat Belt Switches and Seat Sensors for all Belted Positions in the Cab and a Harness Routed to the Center of the Dash for the Aftermarket Installation of the Data Recorder and Seatbelt Indicator Systems, for 4 to 6 Seat Belts		
<b><u>GAUGE, OIL TEMP, AUTO TRANS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
For Allison transmission		
<b><u>GAUGE, AIR CLEANER RESTRICTION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Filter-Minder} Mounted in Instrument Panel		
<b><u>IP CLUSTER DISPLAY</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
On board diagnostics display of faulty codes in gauge cluster		
<b><u>CAB/OCCUPANT COMPARTMENT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The cab shall be a firefighter 4-door cab.		
<b><u>SEATING</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
There shall be seating capacity for five people. The driver seat shall be equipped with an air suspension high back seat.  The passenger seat shall be a non-air suspension high back seat and have an #911 style SCBA mounting system.  The rear seating shall be designed for (3) #911 style SCBA mounts.		
<b><u>SEAT, DRIVER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust		
<b><u>SEAT, REAR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Seats, Inc. 911 Universal Series} NFPA Compliant, Three Individual Seats on one Riser, Non-Suspension, High Back for SCBA, Vinyl with Covered Back, International Logo on Headrest		
<b><u>SEAT, PASSENGER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Seats, Inc. 911 Universal Series} NFPA Compliant, Non- Suspension, High Back for SCBA, Vinyl Covered Back, Adjusters, 5 Degree Back Angle, International Logo on Headrest		
<b><u>GRAB HANDLE, EXTERIOR (2)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Chrome, towel bar type, with anti-slip rubber inserts for cab entry mounted left and ride side at B-Pillar		
<b><u>MIRRORS (2)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Aero Pedestal, Power Adjust, Heated, Bright Heads, Black Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width  Notes: Mirror dimensions are rounder to the nearest 0.5"		



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<b><u>SEAT BELT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
All orange, 4 to 6		
<b><u>CAB INTERIOR TRIM</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Diamond, for crew cab  Includes: <ul style="list-style-type: none"> <li>• CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger Dimming, Reading Lights; Integral to Overhead Console, Center Mounted</li> <li>• DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater</li> <li>• SUN VISOR (3) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side</li> </ul>		
<b><u>CAB REAR SUSPENSION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Air suspension, for low cab height		
<b><u>HOSE CLAMPS, HEATER HOSE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Breeze} Belleville Washer Type		
<b><u>WINDOW, POWER (4) AND POWER DOOR LOCKS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Front and rear doors, left and right, including express down feature		
<b><u>LOW WASHER FLUID INDICATOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>CAB DOOR LOCKS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Power, driver side only, non-locking when door open		
<b><u>INSTRUMENT PANEL</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Flat panel		
<b><u>SUNSHADE, EXTERIOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Aerodynamic, painted roof colour, with integral clearance/marker lights		
<b><u>ACCESS, CAB</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Bright aluminum, driver and passenger sides, two steps per door, for use with crew cab		
<b><u>WHEELS, FRONT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Accuride 43644} DISC; 22.5x8.25 Rims, Extra Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs		
<b><u>WHEELS, REAR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Accuride 43644} DUAL DISC; 22.5x8.25 Rims, Extra Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs		
<b><u>WHEEL GUARDS, FRONT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Accuride} for Metric Hub Piloted Wheels with Flanged Mounting Nuts Mounted Between Hub and Wheel		





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<b><u>WHEEL BEARING, FRONT, LUBE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{EmGard FE-75W-90} Synthetic Oil		
<b><u>WINDOW, POWER (4) AND POWER DOOR LOCKS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Front and rear doors, left and right, including express down feature		
<b><u>BRAKE SYSTEM</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
AIR Dual system for straight truck applications  Includes: <ul style="list-style-type: none"> <li>• BRAKE LINES Color and Size Coded Nylon</li> <li>• DRAIN VALVE Twist-Type</li> <li>• GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster</li> <li>• PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel</li> <li>• PARKING BRAKE VALVE For Truck</li> <li>• QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4</li> <li>• SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6</li> </ul>		
<b><u>DRAIN VALVE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Bendix DV-2} Automatic, with Heater, for Air Tank		
<b><u>AIR BRAKE ABS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System		
<b><u>AIR DRYER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Bendix AD-9SI} with Heater, Includes Safety Valve		
<b><u>BRAKE CHAMBERS, FRONT AXLE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Bendix} 20 Sqli		
<b><u>BRAKE CHAMBERS, REAR AXLE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Bendix Eversure} 30/30 Sqli Spring Brake		
<b><u>PARKING BRAKE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Manual Push-Pull Pneumatic Parking Brake		
<b><u>SLACK ADJUSTERS, FRONT &amp; REAR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Gunite} Automatic		
<b><u>AIR COMPRESSOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Cummins} 18.7 CFM		
<b><u>AIR TANK LOCATION (2)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Mounted under battery box, outside left rail, back of cab		



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<b><u>AIR DRYER LOCATION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Mounted inside engine compartment, right side		
<b><u>DUST SHIELDS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Front and rear brake, for air cam brakes		
<b><u>FRONT BRAKES</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Meritor 15X4 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 15" X 4", 13,200-lb Capacity		
<b><u>REAR BRAKES</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle		
<b><u>STEERING</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Steering Column – tilting and telescoping		
Steering Wheel – 4-spoke, 18" diameter, black		
Steering Gear - {Sheppard M100} Power		
<b><u>DRIVELINE SYSTEM</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Dana Spicer} SPL140, for 4x2/6x2		
<b><u>EXHAUST SYSTEM</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Horizontal Aftertreatment System, Frame Mounted Under Right Rail Back of Cab, Includes Single Short Horizontal Tail Pipe		
<b><u>ENGINE EXHAUST BRAKE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
For Cummins ISB/B6.7/ISL/L9 Engine with Variable Vane Turbo Charger		
<b><u>TAIL PIPE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
(1) Horizontal, Short, Exits Right Side, 90 Degree Turnout		
<b><u>SWITCH FOR EXHAUST</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
3 Position, Momentary, Lighted Momentary, ON/ CANCEL, Center Stable, INHIBIT REGEN, Mounted in IP Inhibits Diesel Particulate Filter Regeneration When Switch is Moved to ON While Engine is Running, Resets When Ignition is Turned OFF		



<b><u>ELECTRICAL SYSTEM</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
12-Volt, standard equipment  Includes: <ul style="list-style-type: none"> <li>• DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab</li> <li>• HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel</li> <li>• HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever</li> <li>• PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light</li> <li>• STARTER SWITCH Electric, Key Operated</li> <li>• STOP, TURN, TAIL &amp; B/U LIGHTS Dual, Rear, Combination with Reflector</li> <li>• TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature</li> <li>• TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted</li> <li>• WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever</li> <li>• WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted</li> <li>• WIRING, CHASSIS Color Coded and Continuously Numbered</li> </ul>		
<b><u>FRAME DIMPLE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Dimple on left and right top flange of frame rail to reference rear axle centreline		
<b><u>WHEELBASE RANGE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
134" (340cm) through and including 197" (500cm)		
<b><u>BATTERY SYSTEM</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Fleetrite} Maintenance-Free, (3) 12-Volt 2850CCA Total, Top Threaded Stud		
<b><u>SPEAKERS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Omit		
<b><u>RADIO</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Omit, includes wiring and antenna		
<b><u>BACK-UP ALARM</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Electric, 102 dBA		
<b><u>TRAILER AUXILIARY FEED CIRCUIT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
For Electric Trailer Brake Accommodation/ Air Trailer ABS; with 30 Amp Fuse and Relay, Controlled by Ignition Switch		
<b><u>DATA RECORDER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Includes Display Mounted in Overhead Console		
<b><u>HORN, ELECTRIC</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<ul style="list-style-type: none"> <li>• Trumpet style</li> </ul>		



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<b><u>STOP-LIGHT WIRING MODIFIED</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Stop-Lights Turned on When Engine Compression Brake, Exhaust Brake or Retarder is Activated		
<b><u>BATTERY BOX</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Steel, with Plastic Cover, 25" Wide, 2-3 Battery Capacity, Mounted Left Side Back of Cab		
<b><u>JUMP START STUD</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Remote mounted  Includes: <ul style="list-style-type: none"> <li>• Jump Start Stud mounted to battery box</li> </ul>		
<b><u>CLEARANCE/MARKER LIGHTS (5)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade		
<b><u>TEST EXTERIOR LIGHTS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Pre-trip inspection will cycle all exterior lamps except back-up lights		
<b><u>STARTING MOTOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Delco Remy 38MT Type 300} 12 Volt, Less Thermal Over- Crank Protection		
<b><u>INDICATOR, LOW COOLANT LEVEL</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
With audible alarm		
<b><u>INDICATOR, BATTERY WARNING</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Green BATTERY ON Indicator, Mounted on Left Side of Instrument Panel, To be Used with Factory Installed or Customer Mounted Battery Disconnect Switch		
<b><u>CIRCUIT BREAKERS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses		
<b><u>SWITCH, AUXILIARY</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Switch 40 amp Circuit for Customer Use; Includes Wiring Connection at Power Distribution Center (PDC) and Control in Cab		
<b><u>POWER SOURCE, ADDITIONAL</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Auxiliary Power Outlet (APO) with USB Port, Located in the Instrument Panel		
<b><u>BATTERY DISCONNECT SWITCH</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
For Cab Power Disconnect Switch, Disconnects Power to Power Distribution Center (PDC) and Body Builder Through Solenoid, Does Not Disconnect Charging Circuits, Locks with Padlock, Cab Mounted		
<b><u>SWITCH, MARKER INTERRUPT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Located in steering wheel		



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<b><u>BATTERY WIRING MODIFICATION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Battery discharge protection system, control through body controller		
<b><u>HEADLIGHTS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Halogen, with daytime running lights, automatic twilight controlled		
<b><u>DOME LIGHT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Cab, with red reading lights		
<b><u>SWITCH, AIR HORN</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Passenger, fire truck application, momentary switch located in instrument panel close to passenger.  Driver also to activate switch with lanyard		
<b><u>WORK LIGHT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Mounted under hood (2) LED, activates with hood open		
<b><u>LOGOS – EXTERIOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Model badges, engine badges		
<b><u>INSULATION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Under hood, for sound abatement  Splash panels, for sound abatement		
<b><u>GRILLE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Molded in black, with chrome surround		
<b><u>FENDER EXTENSIONS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Painted		
<b><u>GRILLE EMBER SCREEN</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Mounted to Grille and Cowl Tray to Keep Hot Embers out of Engine and HVAC Air Intake System		
<b><u>FRONT END</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Tilting, fiberglass with 3-piece construction, dual air intakes		
<b><u>PAINT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Paint Schematic, PT-1 Single Colour, Design 100  Includes: <ul style="list-style-type: none"> <li>• Paint type – base coat/clear coat, 1-2 tone</li> <li>• Paint class – single custom colour</li> </ul>		



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<b><u>COMMUNICATIONS MODULE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Five Year Data Plan and International 360		
<b><u>ANTI-FREEZE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Red, extended life coolant to -40 degrees F/ -40 degrees C, freeze protection		
<b><u>FAN DRIVE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
{Horton Drivemaster} Automatic On/Off Type, with Normally Closed Temperature Control  Includes: Nylon Fan		
<b><u>AIR CLEANER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Single element, fire retardant media		
<b><u>EMISSION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Calendar Year - {Cummins B6.7} EPA, OBD and GHG Certified for Calendar Year 2023		
<b><u>THROTTLE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Hand control, engine speed control, electronic, stationary, variable speed, mounted on steering wheel		
<b><u>FAN OVERRIDE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Manual, with electric switch on instrument panel, (fan on with switch on)		
<b><u>OIL PAN</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
15 Quart Capacity, For Cummins ISB/B6.7 Engines		
<b><u>RADIATOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Aluminum, 3-Row, Down Flow, Front to Back System, 738 SqIn Louvered, with 477 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler		
<b><u>LED TIRE PRESSURE INDICATORS – SINGLE AXLE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Each tire valve stem is equipped with a visual indicator of pressure in the specific tire, the LED light will flash if the tire pressure drops 5 to 10 PSI from the set point.		
<b><u>APPARATUS INFORMATION LABEL</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
An information label is provided in the chassis cab, visible to the driver, stating: "When manufactured, this vehicle was: <ul style="list-style-type: none"> <li>• ** m high</li> <li>• ** m long</li> <li>• ** kg GVW</li> </ul> Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"		
<b><u>NON-REMOVABLE KEY</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The ignition key shall be made non-removable from the cab interior by installation of a chain which attaches the key to the cab dash.		



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<b><u>REAR STEP WARNING LABEL</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
An accident prevention sign shall be located at the rear step area of the vehicle. It shall warn personnel that standing on the step while the vehicle is in motion is prohibited.		
<b><u>FUEL FILLED LABEL – ULTRA LOW SULFUR DIESEL ONLY</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A label indicating "Ultra Low Sulfur Diesel Only" is installed at each chassis fuel tank fill connection.		
<b><u>FRONT MUDFLAPS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Heavy duty mudflaps shall be installed behind the front wheels to guard against road wash and debris.		
<b><u>REAR MUDFLAPS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Heavy duty mudflaps shall be installed behind the rear wheels to guard against road wash and debris.		
<b><u>ALUMINUM TREAD FUEL TANK COVERS, DIAMOND GRIP STEPS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Aluminum tread plate is installed each side over fuel tank and battery box. Aluminum diamond grip steps are also installed to match body steps.		
<b><u>CONSOLE IN CAB</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A console is installed between the cab seats with the siren, switches, pump shift, and door ajar warning light. A storage area with hinged cover is also provided, Exterior finish is gray Zolatone.		
<b><u>EXTEND EXHAUST PIPE – RIGHT SIDE FRONT OF REAR WHEELS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The exhaust pipe is extended to exit ahead of the rear wheels on the right side in compliance with the chassis manufacturer's specifications for current emissions.		
<b><u>FUEL FILL AT STEP FUEL TANK UNDER CAB</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Fuel fill is located under the cab as provided by the chassis manufacturer.		
<b><u>REAR TOW HOOKS – UNDER BODY</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Towing devices will be installed at the rear of the unit, attached directly to the frame of the chassis.		
<b><u>FRONT TOW HOOKS – UNDER BODY</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Towing devices will be installed at the rear of the unit, attached directly to the frame of the chassis		
<b><u>BACK UP ALARM</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A back up alarm shall be installed at the rear of the unit, wired to operate when the transmission is in reverse.		
<b><u>PROTECTION VALVE INSTALLED FOR AIR OPERATED ACCESSORIES</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
An air pressure protection valve is installed to prevent loss of air to brakes from air operated accessories.		



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<b><u>120-VOLT 20A SHORE LINE CONNECTION IN CHASSIS CAB &amp; BODY - 2</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A 120 volt 5-20R duplex receptacle is installed in the chassis cab and body as requested by the fire department, wired to the 120-volt inlet.		
<b><u>KUSSMAUL AUTOCHARGE 35/10 BATTERY CONDITIONER WITH BATTERY SAVER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A Kussmaul Autocharge 35/10 35A @ 12-volt DC capacity is installed in the chassis cab unless otherwise specified in the Shop Note. A 10-amp battery saver power supply is provided to accommodate parasitic loads such as radio and battery chargers. This unit draws 10 A/120-volt AC maximum.		
<b><u>KUSSMAUL AIR EJECT – AUTO EJECT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A Kussmaul Auto Eject air connection provided in driver’s step area with weather proof cover.		
<b><u>ELECTRIC SYSTEM MANAGER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The apparatus shall be equipped with a Class1 Electrical System Manager (ESM) for performing electrical load management. The ESM shall be capable of controlling up to (7) loads according to the voltages which are present. The ESM shall monitor both main and isolated battery banks and indicate low voltage independently when voltage drops below 11.8 volts for more than 2 minutes. The ESM will sequence loads on and off at exact intervals when the master switch is toggled. The ESM will shed loads when voltage drops below corresponding shed point for 30 seconds. An output shall activate to indicate over-voltage when battery voltage is over 14.5 volts. A fast idle output shall activate when voltage drops below 12.3 volts for more than 1 minute and the appropriate interlocks are in place.		
<b><u>SUPER AUTO EJECT FOR 120-VOLT 20A WITH SEALED ENCLOSURE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A Kussmaul Super Auto Eject shore line inlet is installed in place of the standard 110-volt shore line connection.		
<b><u>ENGINE COMPARTMENT LIGHTS LED (pair)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
LED work light is installed in the engine compartment.		
<b><u>250 IGPM PUMP</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
There shall be one 250 IGPM pump installed on the unit. The pump shall meet the requirements of ULC for an initial attack vehicle.		
<b><u>1-1/2” THREAD SPECIFICATIONS NPSH</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>2-1/2” THREAD SPECIFICATIONS CSA</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>PIPING HYDROSTATIC TEST</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The pump and plumbing shall be hydrostatically tested to a pressure of 250 psi. The Tank Fill and Tank to Pump valves shall be closed; all other inlets and outlets shall be open and capped. This pressure shall be maintained for three (3) minutes.		





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<b><u>TANK TO PUMP 3" 4" WITH CHECK VALVE NON-MANIFOLD PUMP</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A 3" 4" quarter turn valve with check valve to prevent accidental pressurization of the water tank through the pump connection is installed in the supply line from the tank to the pump		
<b><u>TANK FILL VALVE 2"</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A 2" quarter turn valve is installed in the supply line from the pump to the tank.		
<b><u>SUCTION – 2 1/2" LEFT SIDE, BLEEDER, NON-MANIFOLD PUMP</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
2-1/2" left side; quarter turn ball valve with chrome plated female swivel connection, bleeder valve, includes chrome plug and chain. This valve is controlled by a lever control or a locking pull control at the valve.		
<b><u>1-1/2" REAR DISCHARGE, PLUMBED 2"</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
1-1/2" rear pre-connect under the hose bed, plumbed with 2" valve to allow the use of 1-3/4" hose. Includes rocker lug chrome cap and chain.		
<b><u>2-1/2" REAR DISCHARGE, PLUMBED 2-1/2", BLEEDER - 2</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
2-1/2" rear pre-connect under the hose bed, plumbed with 2-1/2" valve. Includes 30-degree droop, bleeder valve, rocker lug chrome cap and chain.		
<b><u>SUCTION SIDE RELIEF VALVE, MANIFOLD PUMP</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A pre-set, spring-loaded 2-1/2" adjustable relief valve shall be installed to protect against excessive incoming pressure. The valve shall be adjustable from 75 to 250 PSI, shall be preset at 125 PSI, and shall attach directly to the pump suction manifold. The outlet shall be piped away from, but within sight of the pump operator and shall terminate with a 2-1/2" male adapter labelled "Intake pressure relief outlet - Do not cap". Shut-off valves or other means to disable the operation of the relief system shall not be permitted. Caps will not be installed in this line.		
<b><u>TANK CAPACITY 400 IMPERIAL GALLONS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Water tank capacity of 400 Imperial Gallons.		
<b><u>4" TANK TO PUMP CONNECTION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>2" TANK FILL CONNECTION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>



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<b><u>ELECTRICAL – BASE ELECTRICAL SYSTEM – INTERNATIONAL DIAMOND LOGIC MULTIPLEX</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>All electrical circuit feeder wiring supplied and installed by the apparatus manufacturer shall be stranded alloy copper conductors of a gauge rated to carry 125% of the maximum current for which the circuit is protected. Insulation shall be in accordance with SAE J1128, type SXL, and wired to SAE J1292, for such loading at the potential employed. Voltage drops in all wiring from the power source to the using device shall not exceed 10%. Overall covering of conductors shall be 280 degrees F. minimum flame retardant loom or braid. All connections shall be made with lugs or terminals mechanically secured to the conductors. Wiring shall be thoroughly secured in place and suitable protected against heat, oil and physical damage. All body wiring is colour coded and marked every 3" as to function. All circuits are protected by auto-reset circuit breakers. The power distribution panel is located in the pump compartment or behind the back wall of the front side compartment depending on the muffler location. Circuits are provided with properly rated low voltage overcurrent protective breakers. Such circuit breakers are readily accessible and protected against excessive heat, physical damage and water spray. Switches, relays, terminals and connectors have a direct current rating of 125% of maximum current for which the circuit is protected. All wiring is done to NFPA standards and SAE standards and comply with CMVSS regulations.</p> <p>All chassis and body electrical systems are multiplexed using the International Diamond Logic multiplex system.</p>		
<b><u>WARNING LIGHT CERTIFICATION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Certification from the warning light manufacturer is provided to confirm that the lighting system meets current NFPA 1901 standards.		
<b><u>LOW VOLTAGE ELECTRICAL SYSTEM TEST</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>LOW VOLTAGE ELECTRICAL SYSTEM DOCUMENTS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>ROCKER SWITCH PANEL WITH MASTER WARNING SWITCH</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A rocker switch panel is installed with a Master switch to control all emergency lighting to comply with applicable standards.		
<b><u>WHELEN SIREN – 295SLSA1</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Siren to be accessible to driver and officer		
<b><u>WHELEN F4N7VLED LED LIGHT BAR NFPA, 4 RED, 4 WHITE, 2 BLUE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
This unit shall be equipped with a full width Whelen LED light bar mounted on the cab, which shall be reinforced to carry the weight. This light shall be controlled from the cab.		
<b><u>FRONT LED FLASHERS (pair), WHELEN LED M6 – RED WITH RED LENS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
This unit shall be equipped with red flashing LED lights at the front of the vehicle.		
<b><u>REAR LED FLASHERS (pair), WHELEN LED M6 – RED WITH RED LENS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
This unit shall be equipped with flashing red LED lights at the rear of the vehicle.		



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<b><u>FRONT SIDE LED FLASHERS (pair), WHELEN LED M6 – RED WITH RED LENS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
This unit shall be equipped with flashing red LED lights in the side of the hood (intersection lights).		
<b><u>BODY SIDE LED FLASHERS (pair), WHELEN LED M6 – RED WITH RED LENS - 3</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
This unit shall be equipped with flashing red LED lights in the side of the rear fender wells (intersection lights).		
<b><u>COMPARTMENT LIGHTING – LED TUBE LIGHTS (each compartment)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Vertical tube type compartment lights will be provided in each enclosed compartment, and will be controlled automatically when compartment door is opened.		
<b><u>DOOR AJAR WARNING LIGHT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Warning Light is installed to indicate when a compartment or chassis door is open.		
<b><u>STEP LIGHTS FOR BODY STEPS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Step lights are installed to light all body work surfaces, steps, and walkways.		
<b><u>STEP LIGHTS FOR CHASSIS STEPS – HALOGEN MARKER TYPE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Step lights are installed to light all chassis entry steps.		
<b><u>LED CLEARANCE LIGHTS AND REFLECTORS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
LED clearance and marker, and a license plate light, along with reflectors will be mounted in accordance with federal regulations.		
<b><u>POLISHED ALUMINUM LICENSE PLATE HOLDER, WITH LED LIGHT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A polished aluminum license plate holder will be installed on rear of body, complete with LED light.  LICENSE PLATE HOLDER Includes Upper & Lower Mounting Plate Hardware, Mounted in Existing Holes in Front Bumper		
<b><u>WHELEN M6 LED CAST 4V TAIL/BRAKE-TURN-BACKUP-WARNING MODULE (pair)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A module including a red tail/brake LED light, an amber LED turn signal, a clear LED back up light, and an LED warning light in a chrome housing is installed at the rear of the unit on each side.		
<b><u>SCENE LIGHTS (pair) WHELEN M6ZC – LEFT SIDE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>SCENE LIGHTS (pair) WHELEN M6ZC – REAR FACING</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>SCENE LIGHTS (pair) WHELEN M6ZC – RIGHT SIDE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>GROUND LIGHTING (HALOGEN) – 4 DOOR CHASSIS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Lighting is installed under chassis steps, operable when the cab door is opened and when the ground light switch is turned on.		



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<b><u>GROUND LIGHTING (HALOGEN) – SIDE MOUNT BODY</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Lighting is installed under the pump panel and rear steps, operable when the ground light switch is turned on.		
<b><u>BODY – WALK AROUND EXTRUDED ALUMINUM RESCUE BODY 10'</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>The body of this unit is custom designed to meet the specifications of the customer and to ensure correct load distribution on the chassis. The body is to be of the Extruded Aluminum Design. The body is comprised of 6061/6063 aluminum extrusions, 3/16" &amp; 1/8" 5052 aluminum plate, and 1/8" 3003 Aluminum deck plate. The body is fabricated with 3/16" Aluminum plate for the body sides and all of the compartment walls except the back walls of the compartment. The compartment back walls are fabricated with 1/8" Aluminum plate. The front exterior plates and the fender tops are fabricated with 1/8" Aluminum deck plate.</p> <p>The body is fabricated on a sub frame of 3" x 3" x 1/4" Aluminum tubing. The sub frame is attached to the chassis frame using 4 spring loaded hold downs, two at the front and two at the rear of the sub frame. The sub frame is isolated from the chassis frame using 3/4" UMHW. The spring mounting system reduces flexing in the tank and body.</p> <p>Full Aluminum fender liners fabricated from 1/8" Aluminum plate are installed on the body.</p> <p>All compartments are of the sweep out type. The compartments and body frame are constructed with interlocking extrusions, then MIG or TIG welded. The extrusions used shall be custom designed and engineered for use in the fabrication of the Apparatus. Designs using generic Aluminum tubing and angles does not meet the intention of this requirement. The use of extrusions provides a stronger compartment and body frame. By using the extruded aluminum design, all compartments are stitched welded on the exterior side of the compartment. Automotive seam sealant is used between the welds to completely seal the compartment. This results in a cleaner compartment interior. Due to this, the compartment interior will remain buffed aluminum negating the requirement to paint the compartment interiors, unless desired by the fire department. Compartment fender tops overall side compartments shall have a flange formed out to provide protection against water runoff.</p>		
<b><u>ALUMINUM TREAD PLATE FENDER SURROUND -SINGLE AXLE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The vertical trim around each rear wheel is aluminum tread plate.		
<b><u>INTEGRAL ALUMINUM FENDER TRIM</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Extruded aluminum trim is installed around each rear wheel and is an integral part of the body.		
<b><u>DIAMONDBACK 19" REAR STEP</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The rear step will be 19 inches deep, made of open strut aluminum with non-slip surface, and rigidly reinforced.		
<b><u>FRAME RAILS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 460.0" (11684mm) Maximum OAL		



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<b><u>FRONT LEFT SIDE COMPARTMENTS FULL HEIGHT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Compartments are installed on the left side of the unit ahead of the rear wheels to a height above the rear wheels as noted in the shop note.		
<b><u>FRONT RIGHT SIDE COMPARTMENTS FULL HEIGHT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Compartments are installed on the right side of the unit ahead of the rear wheels to a height above the rear wheels as noted in the shop note.		
<b><u>REAR LEFT SIDE COMPARTMENTS FULL HEIGHT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Compartments are installed on the left side of the unit behind the rear wheels to a height above the rear wheels as noted in the shop note.		
<b><u>REAR RIGHT SIDE COMPARTMENTS FULL HEIGHT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Compartments are installed on the right side of the unit behind the rear wheels to a height above the rear wheels as noted in the shop note.		
<b><u>HIGH SIDE COMPARTMENTS (OVER 18") EACH - 2</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Full height compartments are installed above the rear wheels on the side of the body.		
<b><u>FULL HEIGHT REAR COMPARTMENT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A full height compartment is installed at the rear of the unit above the rear step.		
<b><u>FLUSH MOUNT ALUMINUM DOOR – DOUBLE WITH “D” HANDLE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The compartment doors are attached with full length polished stainless steel piano hinge with a 1/4" pin. They are double pan, flush mount doors, fabricated from 3/16" aluminum exterior and 1/8" aluminum interior pan. They are equipped with stainless steel D handles and slam type door latches with striker bolts to prevent accidental opening. Gas spring type door checks are provided. All doors are bolted to the hinges to allow removal for repair if required. <b>**All doors are to be rollup doors</b>		
<b><u>ROLLUP DOOR – STANDARD HEIGHT – 2</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The door for this compartment is a roll up shutter, custom fitted to the compartment door opening. Finish is natural aluminum.		
<b><u>ROLLUP DOOR – FULL HEIGHT – 4</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The door for this compartment is a roll up shutter, custom fitted to the compartment door opening. Finish is natural aluminum.		
<b><u>AMDOR PULL STRAPS – FLEX – HD (FOR DOOR OPENING 20"-37")</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The Flex-HD pull strap is designed as a way to help operators close their door while remaining unobtrusive when securing the door. Attached to both the bottom panel of the roll-up door and the side wall of the compartment, this pull-strap allows you to easily and safely close the door—reducing staff injuries and downtime—while also making the door easier to secure without a strap in the way, improving efficiency.		



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<b><u>AMDOR PULL STRAPS – FLEX – HD (FOR DOOR OPENING 49”-70”) – 4</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The Flex-HD pull strap is designed as a way to help operators close their door while remaining unobtrusive when securing the door. Attached to both the bottom panel of the roll-up door and the side wall of the compartment, this pull-strap allows you to easily and safely close the door—reducing staff injuries and downtime—while also making the door easier to secure without a strap in the way, improving efficiency.		
<b><u>EXTRUDED ALUMINUM HANDRAILS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
All railing will be 1-1/4" outer diameter, extruded aluminum non slip rib type tubing. Two (2) vertical rails will be mounted on the rear of the body, one (1) each side. One (1) handrail will be installed below the level of the hosebed.		
<b><u>STEPS AT REAR OF BODY (FOLDING)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Folding steps will be provided at the rear of the apparatus, mounted to allow access to the body hosebed area with a maximum of 18" height between each step.		
<b><u>COMPARTMENT MATTING - BLACK PLASTIC INTERLOCKING TILE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Compartment floor matting will be installed in each enclosed exterior compartment.		
<b><u>VERTICAL UNISTRUT TRACKING (ALL COMPARTMENTS – 7)</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Vertical aluminum Unistruts are installed on the forward and rearward wall of compartments for the future installation of shelving or other components by the Customer.		
<b><u>SCBA BOTTLE COMPARTMENT – FENDER WELL – 4</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
SCBA cylinder storage compartments will be installed in the rear fenders. These consist of a cast aluminum access door and a plastic storage tube to prevent damage to the cylinder.		
<b><u>FIXED VERTICAL PARTITION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Fixed vertical partition(s) are installed as directed by the Fire Department. <b>2 partitions to be installed, for mounting equipment on</b>		
<b><u>SLIDING TRAY (each) -400 POUND CAPACITY WITH GAS STRUT – 4</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Sliding tray(s) equipped with 400-pound capacity sliding hardware and latch to hold in the closed position are installed as directed by the Fire Department. A gas strut is installed to help hold the tray in the open and closed positions.		
<b><u>ADJUSTABLE SHELF (each) – 10</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Adjustable shelf or shelves equipped with aluminum Unistruts are installed as directed by the Fire Department.		



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<b><u>PAINT EXTERIOR – IMRON ELITE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>All compartment doors, removable components, flush mounted lights, drip moldings, accessories and other equipment shall be mounted on the body prior to painting, then removed for final finishing to assure paint has been applied to surfaces under all equipment and components. All exterior surfaces of the body except tread plate and polished stainless steel are painted to prevent corrosion. The body is buffed, primed with acid etching primer, epoxy primed, and painted with 3 full coats of DUPONT ELITE polyurethane enamel.</p> <p>Apparatus shall be red in color with the exact shade to match the existing fleet to be determined at pre construction meeting.</p> <p>Vendor shall supply purchaser with touch up paint, which matches final color selection. (Minimum 2 ounces).</p>		
<b><u>UNDERCOAT VEHICLE WITH KROWN RUST PROTECTION</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Entire cab and body is treated with KROWN rust protection.		
<b><u>CHASSIS WHEELS NOT PAINTED</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The chassis wheels on the vehicle are not painted.		
<b><u>BUFFED FINISH COMPARTMENT INTERIOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The interior of the aluminum compartments is buffed to remove scratches and provide a finished surface.		
<b><u>LETTERING – NO LETTERING PROVIDED</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>REFLECTIVE STRIPE – SPECIAL GRAPHICS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<p>Special reflective striping shall be applied to meet the Fire Department requirements. The reflective material will be applied on a minimum of 50 percent of each side of the unit, 50 percent on the rear of the unit and 25 percent on the front of the unit.</p> <p>Standard 4" reflective stripe is sufficient</p>		
<b><u>REFLECTIVE STRIPE – RED AND YELLOW CHEVRON AT REAR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
An NFPA compliant reflective chevron is applied to cover at least 50% of the rear facing vertical surface of the vehicle. This consists of alternating red and yellow reflective stripes 6" wide in a chevron pattern sloping down and away from the centreline of the vehicle at an angle of 45 degrees.		
<b><u>REFLECTIVE STRIPE – INSIDE DOOR TO BE CANADIAN FLAG</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>TUBE MOUNT FOR LADDERS, WITH REAR DOOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A rear access slideway is installed for the ladder, including a rear door with lift and turn latch.		
<b><u>PIKE POLE TUBE WITH DOOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A storage tube for a pike pole is installed with access at the rear, including a rear door with lift and turn latch.		
<b><u>ATTIC LADDER TUBE WITH REAR DOOR</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A storage tube for an attic ladder is installed with an access door with lift and turn latch at the rear.		





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<b><u>WARNING LABEL ON PUMP OPERATOR'S PANEL</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A warning label will be installed on the Pump Operator's Panel stating: WARNING: Death or serious injury might occur if proper operating procedures are not followed. The pump operator, as well as individuals connecting supply or discharge hoses to the apparatus, must be familiar with the operator's manual, water hydraulics hazards, and component limitations.		
<b><u>PANEL READOUT FOR BATTERY CONDITIONER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A readout for the battery conditioner is installed near shoreline connection.		
<b><u>ACCESSORIES</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>10' ALUMINUM FOLDING ATTIC LADDER FL-10</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
10' aluminum folding attic ladder, Alco Lite FL-10 series		
<b><u>20' 2-SECTION LADDER</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
<b><u>DRAWER IN REAR COMPARTMENT</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
The following drawers will be built into the floor of the B1 compartment below the pump and tank configuration. <ul style="list-style-type: none"> <li>• Drawer for hose under the skid unit - 7" wide x 8" tall x 11'6" deep, to be in the middle and will protrude into the L1/R1 compartment</li> <li>• Back Board: to be a drawer under the skid unit - 20" wide x 8" tall x 7' deep. Will stop before the L1/R1 compartment</li> <li>• Shovels: to be a drawer under the skid unit - 17" wide x 8" tall x 7' deep. Will stop before the L1/R1 compartment</li> <li>• Tread plate cover on top of body to open towards right side of body, will be embossed thread plate and can have a gas strut assist if required. Will only be opened if the skid unit has to be removed from the body. There will be grab handles on three (3) sides.</li> </ul>		
<b><u>BACK UP CAMERA</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
Centred on the rear wall will be a colour camera. In the cab dash/console area will be a color display monitor for the camera to be activated when the vehicle is placed in reverse. The camera shall have a guard installed over the camera to protect from falling debris. Display monitor to be installed in a manner which does not impede the line of sight to any portion of the roadway.		
<b><u>SCBA STORAGE</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
In an overwheel compartment will be storage for a minimum of ten (10) SCBA cylinders in PVC tubes. The storage unit shall expand the full width of the compartment in all rows supplied. If space permits a shelf shall be installed above.		
<b><u>POWER LEADS</u></b>	<b>YES/NO</b>	<b>VARIATIONS</b>
A 12-volt power and ground lead is to be supplied in the centre console for future installation of the radio by the Fire Department post-delivery. Leads to be labelled radio power.		