



TOWN OF

NORTH KINGSTOWN, RHODE ISLAND

100 FAIRWAY DRIVE
NORTH KINGSTOWN, RI 02852-6202
PHONE: (401) 294-3331
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www.northkingstown.org

INVITATION FOR BIDS

TOWN OF NORTH KINGSTOWN – FIRE DEPARTMENT NEW TYPE 1 RESCUE VEHICLE

*Sealed proposals for the above will be accepted in the Office of the Purchasing/Finance, Town of North Kingstown Municipal Offices, 100 Fairway Drive, North Kingstown, RI 02852, until Friday March 17 at 10 AM, and will then be publicly opened and read aloud. The Municipal Offices are opened 8:30am – 4:30pm, Monday through Friday. Please plan accordingly.

**NO BIDS WILL BE ACCEPTED AFTER THE FRIDAY MARCH 17, 2023
10:00AM DEADLINE.**

IT IS THE RESPONSIBILITY OF THE PROSPECTIVE BIDDERS TO MONITOR THE TOWN AND/OR STATE OF RHODE ISLAND PURCHASING WEBSITES FOR ANY SUBSEQUENT BID ADDENDUM. NO ADDENDA WILL BE ISSUED OR POSTED WITHIN FORTY-EIGHT (48) HOURS OF THE BID SUBMISSION DEADLINE.

The bid will be evaluated as to R.I.G.L. 45-55-5. (2) “Competitive Sealed Bidding” and the award shall be made on the basis of the lowest evaluated or responsive bid price.

The Town of North Kingstown reserves the right to reject any or all proposals or parts thereof; to waive any formality in same, or accept any proposal deemed to be in the best interest of the Town.

The Town of North Kingstown will provide interpreters for the hearing impaired at any pre-bid or bid opening, provided a request is received three (3) days prior to said meeting by calling 294- 3331, ext. 142.

***PLEASE SUBMIT AN (2) ORIGINALS AND ONE (1) ELECTRONIC COPY.**

SELECTION CRITERIA

The bid will be evaluated as to R.I.G.L. 45-55-5. (2) "Competitive Sealed Bidding", and the award shall be made on the basis of the lowest evaluated or responsive bid price.

PLEASE SEE REQUIRED SPECIFICATIONS.

The following factors will be considered in determining the lowest evaluated or responsive bid price:

- Bid Price
- Meets or exceeds bid specifications; line-by-line items are included with each bid specification. Each line is to be filled in (yes or no), with any exceptions noted, **AND RETURNED WITH BID FORM.**
- Delivery date
- Proximity to Safety Complex facility for service
- Warranty/Guarantee
- Past performance by vendor
- Early payment discount

NOTE: IN OUR ONGOING EFFORTS TO PREVENT FRAUDULANT ACTIVITY, ALL SUBMISSIONS MUST INCLUDE THE FOLLOWING:

- **VENDOR'S BANKING INFORMATION (NAME OF BANK, ROUTING NUMBER, AND LAST FOUR NUMBERS OF ACCOUNT NUMBER)**
- **A COPY OF THE VENDOR'S W-9**
- **WIRE PAYMENT INFORMATION**

TOWN OF NORTH KINGSTOWN, RHODE ISLAND
INFORMATION FOR BIDDERS

ARTICLE 1. RECEIPT AND OPENING OF BIDS

Sealed bids must be submitted in SEALED ENVELOPES, addressed to the **Town of North Kingstown Municipal Office Building, ATTN: Purchasing/Finance, 100 Fairway Drive, North Kingstown, Rhode Island 02852**, and clearly marked with the name of the item bid, and the date and time of opening. Bids will be received by the Purchasing Agent up to the specified time as noted on the Invitation to Bid/Request for Proposal, and publicly opened and read aloud at the specified time. **The Town of North Kingstown will respectfully follow any Covid-19 guidelines in place at the time of opening.**

Proposals submitted for a specified item must not be combined under the same cover with any other bid item.

It is the bidder's responsibility to see that their bid is delivered within the time and at the place prescribed. Proposals received prior to the time of opening will be date/time stamped and securely kept unopened. No responsibility will attach to any officer or person for the premature opening of a proposal not properly addressed and identified.

Bids may be withdrawn personally or by written request at any time prior to the time specified for the opening. Bids may be modified in the same manner. Negligence on the part of the bidder in preparing the bid confers no right of withdrawal or modifications to bid after such bid has been opened.

Any bid received after the time and date specified shall not be considered, by messenger or by mail, even if it is determined by the Town that such non-arrival before the time set for opening was due solely to delay in the mails for which the bidder is not responsible. Conditional or qualified bids will not be accepted.

ARTICLE 2. PREPARATION OF BID

Each bid must be submitted on the prescribed form. All blank spaces for bid prices must be filled in, in ink or typewritten, both in words and figures. Erasures or other changes must be explained or noted over the signature of the bidder.

Each bid must be submitted in sealed envelopes, clearly labeled, so as to guard against opening prior to the time set therefore.

The Town may consider any bid not prepared and submitted in accordance with the provisions hereof and reserves the right to reject any or all proposals in whole or in part, toward any item, group of items, or total bid; to waive any technical defect or formality in same, or to accept any proposal deemed to be in the best interest of the Town.

ARTICLE 3. TELEGRAPHIC MODIFICATION

Telephonic, telegraphic or oral bids, amendments or withdrawals will not be accepted.

ARTICLE 4. WITHDRAWAL OF BIDS

Bids may be withdrawn personally or by written request at any time prior to the time specified for the opening. Bids may be modified in the same manner. Negligence on the part of the bidder in preparing the bid confers no right of withdrawal or modifications to bid after such bid has been opened.

ARTICLE 5. QUALIFICATIONS OF THE BIDDER

The Town reserves the right to request each bidder to present evidence that they are normally engaged in purveying the type of product, service, or equipment bid on. No bid shall be considered from bidders who are unable to show that they are normally engaged in purveying the type of product or equipment specified in the bid proposal.

To receive full consideration, the bidder must submit literature and necessary details, when applicable, on the material or service he proposes to furnish in order that the Town may have full information available when analyzing the proposals.

ARTICLE 6. OBLIGATIONS OF THE BIDDER

It is the responsibility of the bidder to have inspected the Specifications and Contract Documents (including all addenda) which have been posted on the Town of North Kingstown and State of Rhode Island Purchasing websites. The failure or omission of any bidder to receive or examine any form, instrument, or document or to inspect any item specified as a Trade-in shall (if applicable) in no way relieve any bidder from any obligation in respect to their bid.

When applicable, each bidder must inform themselves fully of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of their obligation to furnish all material and labor necessary to carry out the provisions of their contract. Insofar as possible the contractor, in carrying out the work, must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor.

Any exceptions or deviations from the provisions contained in this specification must be explained in detail and attached to proposal. If such deviations do not depart from the intent of this notice and are in the best interest of the Town, the proposal will receive careful consideration.

ARTICLE 7. BID SECURITY IS TO BE 5% OF THE CONTRACT PRICE. (When Applicable to Bid)

ARTICLE 8. "OR EQUAL" BIDDING

The Town intends to permit liberal scope in bidding and specifically does not intend to limit bidding to any make or model. Whenever a material, article or piece of equipment is identified by reference to manufacturers' or vendors' names, trade names, catalogue numbers, etc., it is intended merely to establish a standard; and any proposed material, article, or equipment of other manufacturers and vendors which will perform adequately the duties

imposed by the general design will be considered equally acceptable provided it is in the opinion of the Town to be of equal substance and function.

ARTICLE 9. PRICES

Bidders shall state the proposed price in the manner as designated in the Bid Proposal Form. In the event that there is a discrepancy between unit prices and the extended totals, the unit prices shall govern. In the event that there is a discrepancy between the price written in words and written in figures, the prices written in words shall govern.

The prices in this bid shall be irrevocable for ninety (90) days, or until the bid is awarded by the Town Council. After award by the Town Council, said prices shall then remain firm for the duration of the Contract.

In the event a column headed "Vendor's Offering" is provided in the bid proposal, enter your offering, compliance or non-compliance in each space. DO NOT enter dollar amounts.

ARTICLE 10. TAX EXEMPTIONS

The Town is exempt from payment of the Rhode Island Sales Tax under the 1956 General Laws of the State of Rhode Island, 44-18-30 Para. I, as amended. The Town is exempt from payment of Federal Excise Taxes. The prices bid must be exclusive of taxes and will be so construed. Exemption certificates will be completed as required by the successful bidder.

ARTICLE 11. DELIVERY

Delivery shall be F.O.B. North Kingstown, Rhode Island or as specified on the Bid Proposal Form.

ARTICLE 12. CONTRACT PERIOD AND TERM OF AGREEMENT (When Applicable to Bid) (N/A)

Contract period is found in the Standard Form of Agreement. If financially advantageous to the Town of North Kingstown, these contracts may be renewed or extended, from time to time, when agreed to, in writing, by both parties.

ARTICLE 13. LABOR REGULATIONS (When Applicable to Bid) (N/A)

The following paragraphs regarding nondiscrimination in employment shall be included and become part of these specifications:

- a. Contractors shall comply with the provisions of the General Laws of Rhode Island and attention is called to Title 37, Chapter 13, Section 1-16, relative to the payment of wages, obligations and charges by Contractors on public works projects.
- b. Non-resident Contractors are subject to Section 44-1-6 of the Rhode Island General Laws, as amended. (OUT OF STATE CONTRACTORS.)

- c. The successful bidder will be required to comply with the Davis-Bacon Act (40USC 2 to a-7) as supplemented by Department of Labor regulations (29CFR Part 5).
- d. The successful bidder will be required to comply with the Contract Works Hours and Safety Standards Act (40 USC 327-330) as supplemented by Dept. of Labor Regulations (29CFR, Part 5).
- e. The successful bidder will be required to comply with Executive Order 11246, entitled Equal Employment Opportunity, as amended, and as supplemented in Department of Labor regulations (41 CFR Part 60).
- f. The successful bidder will be required to comply with the Copeland "Anti-Kickback" Act (18 USC 874) as supplemented in Department of Labor regulations (29 CFR, Part 3).
- g. The successful bidder will be required to comply with the Safety and Health regulations (29 CFR, Part 1926 and all subsequent amendments) as promulgated by the Department of Labor.
- h. The successful bidder will be required to comply with Title VI of the Civil Rights Act of 1964 (P.L. 88-352).

ARTICLE 14. SAFETY STANDARDS AND ACCIDENT PREVENTION *(When Applicable to Bid)* *(N/A)*

With respect to all work performed under this contract, the contractor shall:

- a. Comply with the safety standards provisions of applicable laws, building and construction codes, and the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, the requirements of the Occupational Safety and Health Act of 1970 (Public Law 91-596), and the requirements of Title 29 of the Code of Federal Regulations, Section 1518 as published in the "Federal Register", Volume 36, No. 75, Saturday, April 17, 1971.
- b. Exercise every precaution at all times for the prevention of accidents and the protection of persons (including employees) and property.
- c. Maintain at their office or other well-known place at the job site, all articles necessary for giving first aid to the injured and shall make arrangements for the immediate removal to a hospital or a doctor's care of persons (including employees), who may be injured on the job site. In no case shall employees be permitted to work at a job site before the employer has made a standing arrangement for removal of injured persons to a hospital or a doctor's care.
- d. Bidders are informed that the Project is subject to the requirements of Section 292.675. RSMO, which requires all contractors or sub-contractors doing work on the Project to provide, and require its on-site employees to complete, a ten (10) hour) course in construction safety and health approved by the Occupational Safety and Health Administration ("OSHA") or a similar program which is at least as

stringent as an approved OSHA program. The training must be Completed within sixty (60) days of the date of work on the Project commences. On-site employees found on the worksite without documentation of the required training shall have twenty (20) days to produce such documentation

ARTICLE 15. INSURANCE REQUIREMENTS *(When Applicable to Bid)*(N/A)

The Vendor/Contractor shall assume responsibility and liability for all injuries to persons or damages to property, directly or indirectly due to, or arising out of, their operations under the contract and shall be responsible for the proper care and protection of all work performed until completion and final acceptance by the Town.

The Vendor/Contractor shall also indemnify and save harmless the Town of North Kingstown against any and all claims of whatever kind and nature due to, or arising out of, their breach or failure to perform any of the terms, conditions, or covenants of the contract resulting from acceptance of their bid.

The Contractor shall furnish the Purchasing Agent with certificates of insurance from companies acceptable to the Town of North Kingstown. All insurance companies listed on certificates must be licensed to do business in the State of Rhode Island. The Vendor/Contractor shall provide a certificate of insurance as specified on the bid proposal form attached. Contracts of insurance (covering all operations under this contract) shall be kept in force until the Vendor's/Contractor's work is acceptable by the Town.

The limits of the insurance must be at least in the amounts specified below;*

1. (R) Commercial General Liability – Occurrence Form \$1,000,000/\$1,000,000.
2. (R) Automobile Liability – \$1,000,000. With both of the above naming the Town as additional insured.
3. (R) Worker's Compensation (if legally allowed and available). Waiver of subrogation applies to Worker's Compensation
4. (NR) Professional Liability – \$1,000,000.00
5. (NR) Asbestos Liability – \$1,000,000.00

*Sample Certificate of Insurance attached (R) REQUIRED (NR) Not Required

The Vendor/Contractor shall secure, pay for and maintain insurance as necessary to protect himself against loss of owned or rented capital equipment and tools, with provision for waiver of subrogation against the Owner, and shall secure, pay for and maintain insurance as necessary to protect against errors and omissions which may result from this project.

When applicable, the Vendor/Contractor shall require similar insurance in the above amounts to be taken out and maintained by each sub-contractor. The Vendor/Contractor shall be fully responsible for the acts and omissions of their sub-contractors and of persons employed

either directly or indirectly by him/her. Nothing contained in the contract shall create any contractual relation between any sub- contractor and the Town of North Kingstown.

ARTICLE 16. PERFORMANCE BOND & LABOR AND MATERIAL PAYMENT BOND *(When Applicable to Bid)* (N/A)

The successful bidder will be required to furnish the Town with a performance Bond and Labor and Material Payment Bond, each in the amount of 100% of the contract price, as security for faithful performance of the Contract and executed by a surety company licensed to do business in the State of Rhode Island and approved by the Town. The failure of the successful bidder to supply the required Bonds within a time specified or within such extended period as the Town of North Kingstown may grant based upon reasons determined sufficient by the Town, shall constitute a default, and the Town may either award the contract to the next lowest bidder or re-advertise for bids

ARTICLE 17. LAWS, ORDINANCES AND CODES

All applicable Federal and State Laws, Ordinances and Codes of the Town of North Kingstown, Federal Labor Standards, and regulations of all authorities having jurisdiction over this Project shall apply to this contract the same as though written herein in full.

The Town of North Kingstown will not award the Contract to any Contractor who is, at the time ineligible under the provisions of any applicable regulations issued by the Secretary of Labor, United State Department of Labor, or is not qualified under applicable Ordinances of the Town of North Kingstown, or the laws of the State of Rhode Island.

ARTICLE 18. LIQUIDATED DAMAGES *(When Applicable to Bid)*

The successful bidder, upon their failure or refusal to execute and deliver the contract and bonds required within 10 days after he received notice of the acceptance of their bid, shall forfeit to the Owner, as liquidated damages for such failure or refusal, the security deposited with their Bid.

Failure on the part of the Contractor to complete the project within the agreed time schedule will result in a liquidated damage cost of One Hundred Dollars (\$100.00) per day, excluding Saturdays, Sundays, and holidays, to the Contractor, until completion (final Acceptance), excluding warranty periods. The Town may apply liquidated damage costs to current payment requests not yet paid.

ARTICLE 19. POWER OF ATTORNEY *(When Applicable to Bid)*

Power of Attorney: Attorneys-in-fact who sign bid bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

ARTICLE 20. NOTICE OF SPECIAL CONDITIONS *(When Applicable to Bid)*

Attention is particularly called to those parts of the contract documents and specifications which deal with the following:

- a. Inspection and testing of materials
- b. Insurance requirements
- c. Wage rates
- d. Stated allowances

ARTICLE 21. METHOD OF AWARD – LOWEST QUALIFIED BIDDER *(When Applicable to Bid)*

If at the time this contract is to be awarded, the lowest bid submitted by a responsible bidder does not exceed the amount of funds then estimated by the Owner as available to finance the contract, the contract will be awarded. If such bid exceeds such amount, the Owner may reject all bids. The awarding authority will not award this contract unless the Contractor furnishes satisfactory evidence of his/her ability and experience to perform this work, and that he/she has sufficient capital and equipment to enable him/her to complete the work successfully and to complete it within the time named in the contract. **Pre-bid conferences may or may not be scheduled; therefore, it will be the responsibility of each bidder to visit the site and be familiarized.** The Town of North Kingstown can reject any bid of a Contractor who has not visited the work site.

As part of the bid, the Contractor must submit a list of ten similar and successfully completed jobs, whose relevance to the proposed job shall be deemed by the awarding authority. The name, address, and telephone number of a contact person involved with each of these projects must be included so they can be investigated prior to the award of the contract.

BID FORM

EMAIL: _____

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>PREREQUISITE BIDDING REQUIREMENTS</p> <p>Any manufacturer submitting a proposal or bid, to these specifications; must meet the following conditions.</p> <p>a.) The manufacturer of the apparatus herein specified; shall be wholly owned <100%> and managed by a Company, Corporation, and/or Parent Company that is wholly based, and permanently resides in the United States Of America.</p> <p>b.) The Company, Corporation, and/or Parent Company, and all assets belonging to such; shall be wholly owned and managed 100% by the entities specified above in "a.)."</p> <p>c.) Any proposal, bid, or response to these specifications by any foreign based, owned, or managed (in part or in whole) Company, Corporation, and/or Parent Company; shall be cause for immediate rejection.</p> <p>d.) Any proposal, bid, or response to these specifications by any Company, Corporation, and/or Parent Company, that is owned, operated, managed, or held in contract; in part or wholly by a partnership or other agreement; shall be cause for immediate rejection.</p> <p><u>THERE SHALL BE NO EXCEPTIONS TO THIS SECTION AS THIS VEHICLE IS BEING PURCHASED WITH LOCAL TAX REVENUE. THE TOWN OF NORTH KINGSTOWN IS COMMITTED TO PURCHASING FROM US OWNED COMPANIES TO KEEP JOBS IN AMERICA.</u></p> <p><u>INTENT OF SPECIFICATIONS</u></p> <p>It is the intent of these specifications to cover the furnishing and delivery to the purchaser of a complete apparatus equipped as hereinafter specified. With a view to obtaining the best results and the most acceptable apparatus for service in the fire department, these specifications cover the general requirements as to the type of construction, together with certain details as to finish, equipment, and appliances with which the successful bidder must conform. Minor details of construction and materials where not otherwise specified are left to the discretion of the contractor, who shall be solely responsible for the design and construction of all features.</p> <p>Bids will only be considered from companies which have an established reputation in the field of ambulance construction and have been in business for a minimum of 20 years.</p> <p>Each bidder shall furnish satisfactory evidence of his ability to construct the apparatus specified and shall state the location of the factory where the apparatus is to be built. The bidder shall also show that they are in a position to render prompt service and to furnish replacement parts for said apparatus.</p> <p><u>CONTRACTOR'S SPECIFICATIONS</u></p> <p>Each bid shall be accompanied by a set of "Contractor's Specifications" consisting of a detailed description of the apparatus and equipment proposed and to which the apparatus furnished under contract must conform.</p> <p>These specifications shall indicate size, type, model and make of all component parts and equipment.</p> <p><u>LATE PROPOSALS</u></p> <p>It is the bidder's responsibility to see that their proposals arrive on time. Late proposals, facsimiles, telegraphed, or telephone bids will not be considered.</p> <p>The purchaser reserves the right to accept or reject any or all bids on such basis as the purchaser deems to be in it's best interest.</p> <p><u>SAFETY REQUIREMENTS</u></p>		

Specifications for the Town of North Kingstown Type 1 Rescue

Bidder
Complies

Yes

No

It is expected that the Bidder will meet all State and Federal safety standards and laws that are in effect on the date of the bid for the item(s) that are being specified and the particular use for which they are meant.

NEW DEALER LICENSE

All bidders shall supply a copy, with the bid, of their Department of Motor Vehicles (DMV) license to sell new vehicles, for their state of incorporation. Used dealer, general repairer or limited repairer licenses ARE NOT ACCEPTABLE. The North Kingstown Fire Department is buying a new vehicle and requires that any dealer selling the apparatus be a licensed and bonded New Vehicle Dealer. The department requires this license, so that Lemon Law for new vehicles can be enforced. Furthermore, the department wishes to avoid split responsibility with warranty and service repairs on the vehicle and requires that any firm supplying the new apparatus have a proper license, per Rhode Island State Statutes, to repair motor vehicles. The department requires that the firm selling the apparatus be responsible for all service and warranty repairs for the vehicle. Third party service centers are not acceptable.

Please input your dealer number here so the North Kingstown Fire Department can do a quick check in the DMV database _____.

Signature of person attesting to the above statement: _____.

Typed name of person signing this document: _____.

ACQUAINTANCE WITH SPECIFICATIONS

It is the responsibility of the bidder to review all of the bidding requirements. Failure of a bidder to be acquainted with this information shall not relieve him/her from any obligations of the bid requirements.

QUALITY AND WORKMANSHIP

The design of the apparatus must embody the latest approved automotive engineering practices, experimental designs and methods will not be acceptable.

The workmanship must be of the highest quality in its respective field. Special consideration will be given to the following points: accessibility of the various units which require periodic maintenance operations, ease of operation and symmetrical proportions.

Construction must be rugged and ample safety factors must be provided to carry loads as specified.

All modules must be completely by the OEM of record; this includes the substructure and electrical system if other than a Weldon V-mux system. The design being proposed must have been in production by the OEM for a minimum of 10 years. OEMs that have had their modules built by another facility and are now building the same style structure must be doing so for a minimum of 10 years. These are safety concerns and NO EXCEPTION will be allowed.

Electrical systems using printed circuit boards are not acceptable do to the cost of replacing in the field and the unreliability of this type product in the emergency service industry.

LIABILITY

The bidder, if the bid is accepted, shall 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 or any appliance furnished under the contract.

Specifications for the Town of North Kingstown Type 1 Rescue

Bidder
Complies

Yes No

WARRANTY

A copy of the warranties for the electrical system, body module structure, paint shall be furnished with each bidder's proposal.

BID FORMS / SPECIFICATIONS

All bid forms will be submitted on the attached bid form. The bid form and / or these specifications will be filled out by checking either the "YES" or "NO" column for each and every section / paragraph. Failure to use this form and / or these specifications will be cause for immediate rejection of any bid.

EXCEPTION TO SPECIFICATIONS

The following chassis and body specifications shall be strictly adhered to. Exceptions will be allowed if they are equal to or superior to that specified and provided, they are listed and fully explained on a separate page entitled "EXCEPTIONS TO SPECIFICATIONS". Exception lists shall refer to the specification page number.

PROPOSALS TAKING TOTAL EXCEPTION TO THESE SPECIFICATIONS WILL BE IMMEDIATELY REJECTED.

The buyer is aware that all bidders will have to take some exceptions therefore, BIDDERS THAT TAKE NO EXCEPTIONS WILL BE REQUIRED TO MEET EVERY PARAGRAPH TO THE FULLEST EXTENT SHOULD THEIR BID BE ACCEPTED. It is the intent of the purchaser to receive bids that do not require telephone calls or other communications to ascertain what a bidder is intending to supply.

Upon delivery, the apparatus will be inspected against THESE specifications and not those supplied by the bidder with their proposal. Deviations will not be acceptable unless they were noted as exceptions at the time of bid and the apparatus will be rejected until said deviations are corrected to the satisfaction of the buyer.

Decisions regarding equal to or better than will be the sole responsibility of the recipient of the bids rather than those companies submitting bids.

When exceptions are not taken but inconsistencies are noted in the submitted detailed specifications the bid may be rejected.

PROPOSAL SEQUENCE

Bid Proposals must be submitted in the same sequence as these specifications for ease of checking compliance to same.

SERVICE CENTER

The dealership supplying the apparatus must maintain a full service, repair, and warranty center. The service center must be owned and operated by the dealership, which must be an established business entity. Third party service or repair services shall not be allowed. Furthermore, the dealership's service center and office must be located in a commercial business district, neither the office or service center may be located in a residential district. These requirements are set forth to assure competent 24-hr. service can be provided without interruption.

(THERE SHALL BE NO EXCEPTIONS TO THIS PARAGRAPH)

*****IMPORTANT*****

It is the intent of North Kingstown Fire Department to inspect each bidder's service center, personnel and mobile service units. Service of this vehicle is of the utmost importance to the purchaser. It is completely unacceptable for any bidder not to have mobile service units, in house personnel or a service center.

Specifications for the Town of North Kingstown Type 1 Rescue

Bidder
Complies

Yes No

To ensure that each bidder has in-house mobile service units and onsite service personnel, the North Kingstown FD will conduct the following inspection:

1. Each bidder shall bring their mobile service unit to our firehouse for inspection.
2. The apparatus must be brought to our firehouse by a fulltime mechanic employed by the local dealership supplying the apparatus.
3. The mobile service unit shall bring its registration or title showing the name of apparatus dealership as the owner.
4. In addition, the personnel attending shall bring a copy of the local dealerships workmen's compensation garage keepers and garage liability policies in THEIR name for our inspection.

*****NO EXCEPTIONS*****

THE LOCAL DEALERSHIP SHALL HAVE THE FOLLOWING WITHOUT EXCEPTION:

- 1) Full Fire Apparatus CAD system for fire apparatus.
- 2) Minimum of Fifteen (15) years of continuous ownership and management.
- 3) International air terminal within five (5) miles for receipt of air shipments of service parts.
- 4) Certified in-house mechanics the following areas:
 - EVT – Fire pumps and accessories
 - EVT – Aerial fire apparatus
 - REYCO – Spring maintenance and repair/replacement
 - CLASS 1 – Multiplexed electrical systems
 - WELDON VMux – Electrical system
- 5) Five (5), Mobile service unit –fully stocked with tools & parts.
- 6) 150,000sqft of outside storage area.
- 7) 15,000sqft of heated indoor storage/repair area.
- 8) MIG & TIG welder and cutting torches.
- 9) PPG certified service center.
- 10) Digital camera for repair photographs.
- 11) Capability of servicing several large fire apparatuses (aerials, tankers and pumpers) simultaneously indoors with cabs fully tilted and aerial devices removed from their beds.
- 12) Plasma cutter.
- 13) Hydraulic hose coupling system with fittings and hose in house.
- 14) 24-hour emergency onsite service at the North Kingstown fire station.
- 15) Onsite service, preventative maintenance, and warranty repairs. The apparatus shall not be driven back and forth to the apparatus dealership for warranty & service work.
- 16) A Laptop computer & Pro-Link 9000 diesel engine reader and analytical device. An onsite print-out device. With the following cartridges:
 - DDEC motors
 - ATEC application
 - MERITOR ABS braking system
 - CUMMINS motors
- 17) Vogel lubrication refill pumps – in service center and on mobile service units.
- 18) V-Mux Multiplexed USB downloader.
- 19) Harrison generator warranty/ service center.
- 20) Synthetic grease system.
- 21) Apparatus standing post lift system with 120,000 lb. lift capability.
- 22) Robinair 34788-NP A/C recovery and recharge; fully automatic system.
- 23) Fifty-eight foot Cross/Down State Of The Art future cure paint booth.

THERE SHALL BE NO EXCEPTIONS TO THE SERVICE CENTER REQUIREMENTS.

ALL BIDDERS SHALL PROVIDE PHOTOGRAPHIC DOCUMENTATION OF THE FOLLOWING:

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>Service center Mobile service trucks (NO EXCEPTIONS)</p> <p><u>CHASSIS SELECTION</u></p> <p>The Chassis shall be a Ford F550 4x4. (NO EXCEPTIONS)</p> <p><u>REFERENCE LIST</u></p> <p>All bidders shall supply a list of surrounding cities in which their ambulances are located. No bids shall be accepted from any contractor who cannot show they have done at least 50 similar type units (WITHIN NEW ENGLAND). (NO EXCEPTIONS)</p> <p><u>DRAWING</u></p> <p>An accurate drawing of the apparatus must be submitted with the bid. This drawing must be the same as that proposed by the bidder. Similar drawings are not acceptable. No bid shall be accepted without a drawing, it shall be rejected immediately without any consideration, regardless of the bid price. (NO EXCEPTIONS)</p> <p><u>FACTORY TRIPS</u></p> <p>There shall be one (1) factory inspection trips for up to three (3) personnel. All travel, lodging, food and all related expenses shall be paid by the bidder. (NO EXCEPTIONS)</p> <p><u>ALLOWANCE</u></p> <p>Every bidder is to provide a \$25,000 allowance for any potential cost increase. Any use of the allowance is to be documented via change order. If any amount of this allowance is unused it is to be returned via a change order to the Town of North Kingstown .</p> <p><u>BID EXPIRATION</u></p> <p>Every bidder is to provide a bid package with an expiration of May 31, 2023. This expiration date is to facilitate the required procurement process for the Town of North Kingstown.</p> <p style="text-align: center;"><u>TYPE I AMBULANCE SPECIFICATIONS</u></p> <p>VEHICLE DIMENSIONS:</p> <p>MAXIMUM OVERALL HEIGHT</p> <p>The overall height of the apparatus shall not exceed 118" (10'-9") from the ground. This measurement shall be taken with the tires properly inflated and with the apparatus in the unloaded condition to ensure a maximum overall height. In order to provide the maximum overall height, proposed units using calculated weight as a means to achieve a lower overall height shall not be accepted. The measurement shall be taken at the highest point of the apparatus.</p> <p>MAXIMUM OVERALL LENGTH</p> <p>The overall length of the apparatus shall not exceed 309".</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>MAXIMUM OVERALL WIDTH</p> <p>The overall width of the apparatus shall not exceed 100".</p> <p>WHEELBASE</p> <p>The wheelbase of the apparatus shall not exceed 194".</p> <p>MINIMUM INTERIOR MODULAR BODY LENGTH</p> <p>The interior length of the apparatus shall be no less than 165".</p> <p>MINIMUM INTERIOR MODULAR BODY WIDTH</p> <p>The interior width of the apparatus shall be no less than 90 ¾".</p> <p>MINIMUM INTERIOR MODULAR BODY HEIGHT</p> <p>The interior height of the apparatus shall be no less than 75".</p> <p>COMPARTMENT "A"</p> <p>Left front compartment with the dimensions of 20w x 86h x 21d.</p> <p>COMPARTMENT "B"</p> <p>Left side half high compartment with dimensions of 43w x 42h x 20d.</p> <p>COMPARTMENT "C"</p> <p>Left rear half high compartment with the dimensions 31w x 39h x 20d.</p> <p>LEFT REAR INTERIOR CABINET, LOWER:</p> <p>A storage cabinet shall be provided in the lower left rear corner of the body above counter level. The cabinet shall have two (2) 1/2" acrylic hinged transparent doors, each with a Southco Polished Stainless Steel positive latching device and one (1) adjustable shelf.</p> <p>COMPARTMENT "D"</p> <p>Right front inside/outside storage compartment, with the width and height dimensions of 20w x 55h. Above the vehicle floor level, access shall be from either the exterior or the interior of the vehicle with a depth of 33". Below floor level shall be outside only access, of the lower compartment with a depth of 20".</p> <p>COMPARTMENT "E"</p> <p>Right Rear, compartment with the dimensions 24w x 83h x 21d. The compartment shall provide inside outside access from the center isle of the vehicle.</p>		
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Specifications for the Town of North Kingstown Type 1 Rescue

Bidder
Complies

Yes No

RIGHT REAR INTERIOR CABINET:

Inside access shall be provided to right side rear exterior compartment "E". A 1/2" hinged acrylic door with polished stainless steel Southco latch shall be provided.

Dimensions: 8" wide 40 1/2" high - (with 72" & 75" Headroom and In/Out to Center Aisle)

In / Out:

Dimensions: 8" wide 40 1/2" high - (with 72" & 75" Headroom)

With Hinged Acrylic Door

OVERHEAD STORAGE ABOVE SQUAD BENCH WITH SLIDING DOORS:

An overhead storage cabinet with Austin Life Defender Sliding Doors shall be provided and installed in the area above the squad bench. The frame shall be made of a custom designed aluminum extrusion featuring one handed opening and positive slam closing with auto latching feature. The cabinet shall have two (2) transparent sliding doors. The doors are to be .220" polycarbonate material. The entire lower edge corner shall be padded to prevent sharp corners. The area in the forward portion shall incorporate the right side oxygen outlet. This cabinet is compliant with the KKK 43" headroom requirement.

For KKK Rev. F, compliance - Compliance based on 75" headroom with standard seating height only.

Lift-up restocking not available.

Glove box storage not available.

Shelf not available.

SINGLE OXYGEN OUTLET RIGHT SIDE WALL:

One (1) single Amico AMIZTH0101 oxygen outlet shall be provided on the right side of the ambulance in the wall in the forward location; above the squad bench backrest or Medic in Mind cabinet and below the overhead cabinet (if present) the outlet shall not protrude more than 1" beyond the wall.

TYPE I, FLARED RUNNING BOARDS:

Polished aluminum NFPA Certified diamond plate custom built running boards shall be installed on both cab entrance step areas. The running boards shall have a 2" bent outside flange for strength, and be bolted to the lower cab rocker panel. The running boards shall incorporate into the design an aluminum wheel splash guard on the forward edge, for protection from the front wheel splash. The running boards shall be tapered to match the exterior body width. The rear full width tapered area shall be properly reinforced to withstand a 500 pound load without flexing. Type I Running Boards without the use of rear reinforcement and commercially available type running boards are unacceptable.

FUEL FILL HOUSING:

A Cast Products Polished Aluminum fuel fill housing shall be installed in the street side body panel. The fuel fill shall be designed to match the O.E.M. mounting procedures and shall not cause any undue stress on any of the

Specifications for the Town of North Kingstown Type 1 Rescue

Bidder
Complies

Yes No

fuel components. The fuel fill housing shall be completely sealed from the inside of the vehicle and shall be installed with an EPDM 40 to 60 durometer rubber gasket.

CAB CONSOLE, TYPE I FLOOR MOUNTED:

An individually designed custom Cab Console shall be provided and mounted to the floor of the cab. It shall be equipped with a quick hinged lid for access when servicing. The console shall follow the contours of the floor to minimize its protrusion and overall height. The console shall be covered with 1/8" padded black vinyl cover. All switches and controls shall be within easy reach of both the driver and passenger. The console shall be designed to allow room for permanent mounted flush two-way communication radios.

NOTE: (2) Cup holders are NOT included in the console. The cupholders are part of the map-box
(See PDF)

MAP BOX:

A map box shall be fabricated and installed behind the cab console. The box shall be laminated white on the interior and black on the exterior. The map box shall fit between the (2) front seat bases and included (2) 3 3/4" holes for cup holders on front. There shall also be (2) finished map and paper storage slots which are created with the use of a removable clear acrylic divider.

includes (1) lexan divider

See PDF

ALTERNATOR:

The alternator shall be installed by Ford Motor Company in the approved Ambulance Prep Chassis. The OEM alternators shall be a dual alternator system with total capacity of 410 amps. The charging system shall not be modified in any way to void its warranty.

BATTERIES:

The two (2) Ford, heavy duty truck batteries shall be located under the hood in the OEM factory location.

HIGH IDLE ACTIVATION, FORD:

The Ford Chassis shall be equipped with a method of elevating the engine idle, using the OEM provided interface wiring SEIC (Stationary Elevated Idle Control) that is included with the chassis ambulance prep package provided by Ford. While the console throttle switch is on, anytime the park brake is engaged and the other OEM parameters are satisfied, the throttle will engage. If the console throttle switch is off, the throttle will not engage regardless of the park brake condition. The foot brake will also disengage throttle and require the console throttle switch to be cycled to re-engage the throttle if the park brake was not disengaged.

Activated by front console switch, requires park brake to be applied

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>BUELL AIR HORN SYSTEM:</p> <p>Two (2) 12" Chrome plated Buell air horns shall be provided and mounted to the vehicle in the front bumper. They shall be supplied high pressure air via a 12 volt 1/4 HP electric air compressor with reserve tank located under the vehicle. The air compressor shall be tied to the load side of the master disconnect and have circuit breaker protection. The momentary control of the air horn shall be through an electric solenoid activated by a momentary switch.</p> <p>The compressor(s) shall be mounted in a protective box attached to the vehicle frame rail. The box shall be insulated with an undercoating material to reduce compressor noise and vibration. All plumbing and wiring shall utilize quick-disconnect fittings for ease of servicing.</p> <p>AIR HORN ACTIVATION SWITCH:</p> <p>The air horn electric solenoid shall be activated by a momentary switch labeled "Air Horn" located in the driver's console of the cab. Only electric operated systems are permitted, a Mechanical Air Valve is unacceptable.</p> <p>Switch will be a white rocker for easy identification.</p> <p>RESERVE AIR TANK:</p> <p>A welded, steel reserve air tank is to be installed inside of the driver side frame rail. The tank size shall be 8" diameter with a capacity of 5 gallons. The tank shall be properly secured and plumbed, complete with a pressure relief valve.</p> <p>DOOR LOCK INTERFACE MODULE:</p> <p>An Intermotive DLM506 door lock interface module shall be included to allow for interface with the OEM power lock circuits.</p> <p>BUMPER SIREN SPEAKER SYSTEM:</p> <p>Cast Products Model SAD/P, 3806 Bumper Siren Speaker system shall be installed in the front bumper of the vehicle. The system shall include two (2) high efficiency 100 watt speaker drivers.</p> <p>FLASHING LIGHTS, GRILL:</p> <p>Two (2) lights shall be placed in the grille of the vehicle in flange housings. The lights shall be located in the upper, portion of the grille area, set a minimum of 18" apart.</p> <p>The lights shall be Whelen ION T-series Linear LED, Red with a Clear lens cover.</p> <p>*** Flange included with ION Light ***</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>LED FLASHING WARNING LIGHTS, INTERSECTION:</p> <p>The vehicle shall be equipped with LED flashing warning lights. Two lights shall be installed, one each side front fender as far forward as possible.</p> <p>All lights shall include integrated metalized flange chrome housing, designed for this fixture. Cast aluminum housings are unacceptable.</p> <p>The lights shall be Whelen ION Wide Angle LED, Red with a Clear lens cover.</p> <p>FENDER FLANGE:</p> <p>Specific fitted flanges shall be provided for Fender lights selected.</p> <p>SUPER-COOL DUCTED HEATER AND AIR CONDITIONING SYSTEM:</p> <p>The unit shall be a Proair 917 and will have a minimum capacity of 50,000 BTU Air Conditioner and 75,000 BTU Heat operating with 12 volt power. The unit will have a high performance 650 CFM Brushless blower fan. The climate control unit shall be permanently attached to the double ductwork system running full length of the ceiling of the vehicle. Each duct shall be fully contoured with approximate dimensions of 5" wide and not protrude more than 2 3/4" from the ceiling. In addition each duct shall have four (4) equally spaced from front to rear, fully adjustable 4-way adjustable louvers with shut off feature at each register. The duct work shall be covered with a fully padded vinyl covering and incorporate the vehicles drop down wire raceway cover in the center. The heater/air conditioner unit shall be located in the front of the vehicle centered above the cab to body pass through. An air cleaner filter shall be installed in the return air grille located in the underside of the cabinet.</p> <p>The climate control unit shall include a twin air return system. One mounted high and one mounted low for full air re-circulation. In addition the entire climate control unit shall be double insulated first by the standard body insulation and secondly by a fully encompassing 5/16" thick reflective insulation. The reflective insulation shall also extend the full length of the raceway duct, front wall and ceiling of the climate control cabinet.</p> <p>All heater hoses provided shall be OEM style EPDM rubber type. The use of lesser quality hose or silicone hose is an unacceptable substitution. The systems heater shall include an electric 2-way, internally piloted, normally closed solenoid valve which only opens when the heater unit is "On" and when the vehicle is running. The heater shut off valve shall also include an emergency shut off switch located within the rear power distribution panel.</p> <p>All Air Conditioner hoses shall be Goodyear Galaxy Type 4890. Barrier type hose shall be unacceptable.</p> <p>No exceptions or deviations to this system will be allowed due to its superior air distribution system and low noise characteristics. An exception will be cause for rejection of bid. Bidder/manufacture must provide proof that this is an operating climate control system, offered as a standard component in their emergency vehicle production. Prototype systems are not acceptable. A user list of vehicles utilizing this system shall be provided with the bid.</p> <p>ELECTRONIC DIGITAL DISPLAY THERMOSTAT CONTROL:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue

**Bidder
Complies**

Yes No

A digital electronic Climate Control thermostat shall be used to monitor and control both air conditioning and heating in the rear patient compartment. The following features are included:

- A 1/2" backlit digital display, which displays both ambient and set temperatures. Ambient readout is displayed by default.
- Temperature adjustment is 50° F to 99° F or 10° C to 37° C.
- Seven (7) fan speeds standard. Three (3) and Five (5) speed options also available.
- The fan speed is easily controlled by using the color coded tactile up or down arrows.
- Manual mode and two (2) Automatic operation modes which maintain $\pm 2^\circ$ ambient temperature from the set point.
- In Auto 1 mode the fan speeds shall be automatically increased or decreased depending on the temperature differential in the vehicle. Fan speeds are also manually selectable.
- In Auto 2 mode the fan speeds shall be automatically increased or decreased depending on the temperature differential in the vehicle. Fan speeds are NOT manually selectable.
- LED Indicators- Auto-Light Blue, A/C-Blue, Heat-Red
- Operation shall be activated by chassis ignition with two (2) start-up modes available:
 - "PA" mode- Thermostat turns on using settings from the last use, including the 'OFF' condition.
 - "PL" mode- Thermostat turns on in Auto 1 mode with a set temperature of 72° regardless of previous settings.
- The thermostat unit temperature probe shall be located mid-level in the patient compartment.
- An additional control panel and remote fan speed switch are available.

The use of spring or bimetallic household thermostat is unacceptable. Only automotive type units shall be used.

DEDICATED MODULE A/C COMPRESSOR AND CONDENSER

An engine driven TM-21 type A/C compressor shall be installed and plumbed to the module A/C system. An external Proair Model 206 A/C condenser shall be installed on the front of the body. The condenser shall be fan cooled by (2) condenser mounted 12 volt cooling fans. The fans shall be relay controlled and only activated when the rear air conditioner unit is activated. The cooling rating of the condenser shall be 75,000 BTU, and the air flow rate shall be 2,800 CFM.

12 volt 917 Combination Ducted Heat and Air Conditioning System for F-Super Duty with Diesel Engine

A/C BTU 50,000 - Heat BTU 60,000

TM 21 Auxiliary Compressor dedicated to body system

206 Condenser mounted front of body, 75,000 BTU

Digital Thermostat

TRAY MOUNTED CONDENSER:

{Bidder Comply}

The air conditioning condenser shall be mounted to the front of the body with 3/16" aluminum fabricated tray style one piece bracket. The bracket shall be thru bolted to the front body. The area shall be reinforced with a backing plate to support this structure

**** Front Body Condenser to be Painted to Match Body Color**

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>** Front Body Condenser to be Painted to Match Body Color</p> <p>STAINLESS STEEL WHEEL INSERTS:</p> <p>Stainless steel wheel inserts shall NOT be installed on this vehicle.</p> <p>LIQUID SPRING REAR SUSPENSION SYSTEM:</p> <p>A LiquidSpring LLC kneeling Compressible Liquid Adaptive Suspension System shall be provided and installed on the rear axle of the chassis. It shall include a heavy duty, high capacity 12V power module with a fluid reservoir, designed to bolt on the chassis frame rail. The fill time for the kneeling feature shall not exceed 20 seconds.</p> <p>The system shall be wired to kneel whenever the left rear entry door is opened. When the door is closed, the system shall automatically return to designed ride height.</p> <p>Liq Spring for F550 with 18,000 GVW .</p> <p>KNEELING FEATURE ENABLE SWITCH:</p> <p>A switch shall be installed to enable the rear suspension kneeling feature. It shall be an on/off style switch which, when in the "on" position, will allow the system to kneel whenever the left rear entry door is open. When this switch is in the "off" position, the kneeling feature will be disabled. The switch shall be installed street side low by rear doors.</p> <p>FORD POWER TELESCOPE TRAILER TOW MIRRORS:</p> <p>Mirrors shall be provided as Ford OEM equipment. These mirrors provide black finish below eye level heads extending from window area. Brackets are designed with breakaway feature. Mirrors include Power Telescope feature, built in convex head, power/heated glass, integrated clearance lights and turn signals and are power adjusting from inside the cab.</p> <p>Include Integrated clearance lights and turn signals.</p> <p>FRONT END CASTER CAMBER ALIGNMENT:</p> <p>The Ford Chassis front end shall be checked and adjusted for proper caster camber alignment after the ambulance body is mounted and the vehicle is ready for delivery.</p> <p>2023 FORD F550-Super Duty, 4x4, 84" CA, XLT CHASSIS</p> <p>Ford F550 Chassis Cab Four Wheel Drive Wheelbase 193" - 108" CA Dual Rear G.V.W. 18,000 lbs.</p> <p>Powertrain/Functional:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>Engine: 6.7L "Powerstroke" Turbo Diesel V8 300 hp @2800 RPM, 660 lbs torque @1600 RPM Single Stage Turbo Charger Instant Start Glow Plugs for quick engine starts Diesel Emissions Fluid 6 gallon tank - mounted behind frame rail on drivers side Intelligent Oil Life Monitor Engine block heater Water Pump with 125 gallons per minute flow rate</p> <p>Transmission: Heavy Duty "TorqShift" Ten Speed Automatic with selectable drive modes; Normal, Tow Haul, Eco, Deep Sand/Snow</p> <p>Electronic Shift on the Fly with automatic locking front hubs with manual override.</p> <p>Brakes - 4 wheel Anti-lock Braking System Traction Control - DRW Models</p> <p>Fuel Capacity: 40 gallon single tank (aft axle)</p> <p>Front Axle: 7,000 lb. Monobeam, Dana Super 60 Rear Axle: 13,660lb. Full Floating Dana S110</p> <p>Suspension: Heavy Duty Front Coil Springs Rear Leaf Springs, main & auxiliary Shock absorbers, front & rear 1.38" Stabilizer bar, front and rear Power Steering Steering Damper</p> <p>Instrumentation: multifunction switch message center - Gauges: Oil Pressure, Coolant Temperature, Trans Temp, w/Indicator Lights, Tachometer, Trip Odometer, Turbo boost, water in fuel warning light, low/contaminated diesel exhaust fluid warning lights, glow plug preheat indicator</p> <p>Ambulance Prep Package with EPA Special Emergency Vehicle Emissions - 47L Engine Calibration significantly reduces the possibility of depower mode when in stationary PTO mode Operator Commanded regen allowed down to 30% of DPF filter full instead of 100% Stationary elevated idle control (SEIC) is built into the engine control module Must meet definition of Emergency Vehicle; ambulance or fire truck in the federal register</p> <p>Rear axle 4.10 Limited Slip Dual OEM HD Alternators (total 410 amps) 67B Dual 750 CCA Batteries Operated Commanded Regeneration (OCR) #98R</p> <p>Safety/Security: Driver/Passenger frontal and side air bag/curtain Passenger side air bag deactivation switch</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>Belt-Minder - chime & flashing warning light on instrument panel if belts not buckled Safety Belts - color coordinated with height adjustment (front outboard seating positions only) SOS Post-Crash Alert System Securi-lock Anti Theft Ignition</p> <p>Tires: Front & Rear LT225/70R 19.5G All Position (6) #THB Spare Tire: LT225/70R 19.5G (All Position) Wheels; 10 hole Disc, 19.5" x 6" Steel</p> <p>Exterior Trim: Dual Electric Horns Chrome Front Bumper & Grille Surround Front Tow Hooks Lights - roof/marker clearance lights Dual Beam Jewel Effect Headlights High Mount Stop Light</p> <p>Mirrors: Black POWER Telescoping Trailer Tow with Power Heated Glass, Integrated clearance lights, Turn signals, LED security approach lights, Utility lighting System (LED side mirror spotlights) #54F</p> <p>XLT Interior Cab Trim: #663A Air Conditioning Cloth Headliner, Map Pockets AM/FM Radio w /MP3</p> <p>SYNC 4 4.2" LCD Productivity Screen in IPC (Instrument Panel Cluster) 8" LCD Touchscreen with Swipe Capability in DASH</p> <p>Overhead Console with dual storage bin and map lights Outside Temperature Display Interval Windshield Wipers Tilt Steering Wheel/Speed Control - steering wheel mounted Power Windows/Door Locks Black Vinyl Floor (No Floor Mats) Headlights on audible alarm Dual overhead Map Light Daytime Running Lights Front seats, high series cloth - 40/20/40 #3S</p> <p>Driver Assist Technology Audible Lane Departure Warning Pre-Collision Assist with Automatic Emergency Braking and forward collision warning Automatic High Beam Headlights</p> <p>Color Scheme: Exterior Color: Oxford White #Z1 Interior Color: MEDIUM DARK SLATE</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>DIESEL EXHAUST FLUID FILL HOUSING:</p> <p>A Cast Products Polished Aluminum DEF fill housing shall be installed in the street side body panel. The DEF fill shall be designed to match the O.E.M. mounting procedures and shall not cause any undue stress on any of the fill components. The DEF fill housing shall be completely sealed from the inside of the vehicle and shall be installed with an EPDM 40 to 60 durometer rubber gasket.</p> <p>F-SERIES ALUMINUM WHEELS OPTION</p> <p>Wheels; 10 hole disc, 19.5" x 6" polished aluminum (#64D) shall be provided and takes precedence over the option in the standard chassis spec.</p> <p>F-SERIES ADJUSTABLE GAS & BRAKE PEDALS OPTION</p> <p>The chassis shall have an adjustable gas and brake pedals (#62M) that takes precedence over the option in the standard chassis spec.</p> <p>F-SERIES REAR VIEW CAMERA AND PREP KIT (#872)</p> <p>The FORD REAR VIEW CAMERA AND PREP KIT (#872) shall be installed and takes precedence over the option in the standard chassis spec.</p> <p>WHEEL CENTER CAPS</p> <p>The chassis shall be equipped with Ford Wheel Center Caps.</p> <p>FILL FUEL TANK:</p> <p>The fuel tank shall be filled at the time of vehicle delivery.</p> <p>EXTERIOR MODULAR BODY</p> <p>EXTERIOR, ALUMINUM BODY CONSTRUCTION</p> <p>FRAMES:</p> <p>The module body shall consist of an electric welded, unitized aluminum roll cage structure throughout. The framework shall consist of six individual frames that are constructed in such a manner to ensure squareness and flatness before being assembled into a box configuration.</p> <p>MATERIAL:</p> <p>All material used on any frame member, corner and upper cove shall be high strength aluminum alloy. This alloy shall be 6061-T6 with tensile strength of 45,000 psi. The use of lesser materials such as 6063 is not allowed due to its lesser mechanical properties. The ultimate strength of 6061-T6 is approximately 25% greater than 6063 alloy. Material certifications showing 6061-T6 alloy shall be provided upon request to verify the use of this material for all frame members.</p> <p>WELDING:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue

**Bidder
Complies**

Yes No

All welding done on any part of the frame structure shall be done by welders tested in welding this alloy and type of structure. Welders testing certifications shall be provided upon request. All butt welds shall have 100% weld penetration using a filler wire approved for this alloy aluminum. All welding shall be done in accordance with American Welding Society (AWS), Structural Welding Code.

FLOOR FRAME:

The main floor structure shall consist of a primary load bearing support frame. This primary frame shall consist of 2"x3"x.250" square wall tubular aluminum. This primary frame is of critical importance to the structural integrity of the module. The use of channel sections or frame members less than 2" x 3" x .125" is not acceptable due to its moment of inertia and section modulus calculations are less than minimum acceptable. The secondary support frames of the floor frames shall consist of 2"x 2" x .250" (square) and 1 1/2" x 2" x .125" (rectangular) wall tubular aluminum. Areas between exterior compartments and sub-floor support members shall be a minimum of 2"x 2" x .250 (square).

A heat shield made of 22 GA galvanized steel is attached to the underside of the Floor Frame. The shield is creased for stiffness and deflects the heat of the exhaust from the modular body. The heat shield is required for compliance with Ford QVM and good practice design.

VERTICAL FRAMES:

FRAMES, Left and Right Sides:

The vertical left and right side frames shall consist of heavy duty custom aluminum extrusion members. The vertical corner and horizontal upper "Main Beam" shall consist of an extrusion with the minimum dimensions of 5 3/4 by 3 7/8 inches with a cross section across the web of .1875 inches. Built into the inside edge of the vertical and horizontal section shall be an area where the exterior door seal shall mate. This door jamb area shall be designed into, and be part of the main corner extrusion. Door jamb sections which are welded in place are unacceptable due to the possibility of the welds cracking which in turn leads to door and or exterior paint cracking and failure. The inside door jamb which is part of the structural member (not a welded section) shall have minimum dimensions of 1 inch wide by 1 1/4 inches deep and have minimum side vertical wall thicknesses of .1875 inches. This door seal and jamb section shall be recessed behind the exterior surface of the body approximately 7/8 of an inch to allow the door seal to be placed outboard of the door latches and provide for a full uninterrupted hollow core door seal mounted on every door. Each door of the vehicle shall seal on this integrated section of the extrusion. The outer exterior mounted finish trim shall be sealed to the body during fabrication. The sealant used shall be a high strength automotive product which can be painted. All parts which utilize sealant shall not be structural members but just trim sections. The FMVSS 206 Rated door closure bolt shall be mounted directly to this structural member and not to a welded door jamb section. Door alignment shall be maintained by discrete alignment grooves extruded in the custom shape. This designed in feature eliminates the need for excessive adjustment allowance which could become maintenance issues at some future time. The area of the structural member which is in contact with the roof box beams shall incorporate a 1/2 inch flange to carry the load of the roof structure and resulting static load when applied. This support flange is utilized to prevent the need for the roof and roof structure to be held in place by the welds only.

The main support, structural members around the door openings shall incorporate a built in door seal and jamb surface similar to the one found around the main corner extrusion, with all the strength and design features the same. Two distinctly different types of structural members shall be used for different types of door configurations. Doors which are placed in the modular body which are not adjacent to any other door shall utilize an extrusion with the overall dimensions of 3 inches wide by 2 inches deep. This extrusion shall form the two vertical and two horizontal door seal, and jamb surfaces. Doors of this type which are placed on the forward most or rear most positions of the body, shall utilize the main corner extrusion with its built in door seal to act as one side of the structural door seal and jamb surface. For the same reason a door which extends the full height of the modular body shall utilize the upper most main corner extrusion for the top horizontal door seal and jamb surface. Door configurations which have two doors adjacent to one another shall utilize a structural body

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>extrusion with minimum dimensions of 4 inches wide by 2 inches deep. Between each door shall be a minimum of a 2 inch structural wall and floor support. Under no circumstances shall two adjacent compartments not include this 2 inch structural member. Similar to previous door structural extrusions this member shall incorporate two built in door sealing surfaces without the need for welding additional parts as stated previously.</p> <p>The remaining structural members of the vertical side frames shall utilize 2 inch by 2 inch by .125 inch thick wall and 1 1/2 inch by 2 inch by .125 inch thick wall structural box beam members. All members of the side vertical frames shall be placed at a maximum of 12 inches on center. Closer spacing shall be utilized in areas of critical strength requirements. Along the floor line, shall be 2 inch by 2 inch by .1875 inch structural angle attached to the side frame, which then during assembly into a module shall be fully welded to the floor frame. These members shall act as the main attachment point for the side frames, where the vertical frames meet the floor frame, and at this point of attachment full welds shall be utilized.</p> <p>VERTICAL FRAMES, Front and Rear:</p> <p>The front and rear frames shall be fabricated utilizing the same main structural corner extrusion as the side vertical frame along the horizontal top edge. The remaining structural members of this frame shall utilize 2 inch by 2 inch and 2 inch by 1 1/2 inch by .125 inch structural box beam members. These structural members shall be placed on a minimum of 20 inches on center. A closer spacing shall be utilized in areas of critical strength. Rear facing door openings shall utilize custom aluminum extrusions in place of box beam members as required. The door openings shall be exactly as specified for the doors located on the vertical side frames as described previously.</p> <p>ROOF FRAME:</p> <p>The roof frame of the vehicle shall be fabricated from 2 inch by 1 1/2 inch by .125 inch box beam structural members. The transverse frame members shall be spaced a maximum of 12 inches on center.</p> <p>MODULE ASSEMBLY:</p> <p>The six frames as previously stated shall be assembled into a module, including the floor, front, rear, two sides and roof sub frame before any of the exterior skin is applied. The structural frame work shall be a self-supporting body and not require the use of the exterior skin for structural integrity. The body shall be capable of supporting the required static load of the vehicle per SAE J 3057 specifications.</p> <p>The floor frame shall be welded to the two vertical side frames at the area of the floor, in front and behind the wheel box area. This welding shall be 100% continuous in these areas.</p> <p>The full perimeter welding and center bonding of the exterior panels shall enhance the overall strength of the modular body.</p> <p>SIDE IMPACT PROTECTION</p> <p>BODY PROTECTION</p> <p>Per Federal Motor Vehicle Safety standards, the vehicle shall be designed to protect the occupants or equipment from side impacts. This shall be accomplished by: (a) Two side impact rails with minimum dimensions of, 2 inch by 5 inch by .125 inch 6061-T6 aluminum alloy, structural box beam member located approximately 24 inches from the lower side rail; and approximately 18 inches from the upper side (b) full structural members which extend across the body in the transverse direction between the compartments. Modular bodies that do not provide this protection at each compartment location shall be cause for rejection of the vehicle.</p> <p>MODULAR BODY DOOR PROTECTION</p>		

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Bidder Complies

Yes	No
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In addition to the vertical body sides, each door with a vertical height greater than 30 inches, on the left and right sides of the vehicle shall incorporate a 2 inch by 5 inch by .125 inch 6061-T6 aluminum alloy, structural box beam members. Each member shall be welded to the interior door extrusions. The structural members shall be placed approximately 24 inches from the lower side rail. There shall be no exceptions to side impact protection in modular body doors.

EXTERIOR PANELS:

The two sides, front and rear shall be covered with .125" thick 5052-H34 stretcher leveled aluminum alloy sheet with tensile strength of 38,000 psi. The center areas of the sheets shall be applied using "Very High Bond" structural bonding tape. Before any tape is applied to the structure, both the sheets and the structure shall be thoroughly cleaned with an approved solvent. In addition to the structural bonding tape the exterior skin shall be welded along the perimeter corners and along all door openings. This welding is only done in areas that will not show dimple on the finished body module. The side panels of the vehicle shall be single piece and not welded or fabricated.

Additional welding shall be done at the lower rub rail area where the body exterior panels meet the lower structural support members. This welding is done to completely bond the exterior panel to the substructure in an area where weld dimples will not show on the finished vehicle.

ROOF SHEET:

The roof sheet shall be a one piece sheet of .125" 5052-H34 aluminum. There shall be no seams in the roof panel or any overlapping seams. The roof sheet shall be fully welded to the roof sub frame from the inside. The outside perimeter of the roof sheet where it meets the upper cove shall be 100% welded prior to painting. This 100% welding eliminates the need for caulks or sealers and the possibilities of water leaks into the body.

CORNER AND ROOF CORNER EXTRUSIONS:

The exterior body corners and coves shall be an extruded aluminum section made of 6061-T6 aluminum. Both the corners and roof corner extrusions shall have a 1 5/8" radius hollow extrusion design with an inside flat mating surface. The exterior surface shall be designed to form a smooth transition at all corners of the body. The corners shall be designed in such a way as to provide an interlocking surface with the "Main Beam" extrusion. This surface contact shall provide a weld surface to attach the corners to the main beam. The process of attachment shall include threaded mechanical fasteners to pull the two surfaces tight prior to the welding. This provides a completely tight interface surface. To enhance the corner waterproof integrity a recessed sealant groove shall be incorporated into the exterior flanged surface which is in contact with the body and roof exterior panels. This groove allows the surfaces to be sealed to prevent water infiltration and pre-vent corrosion. The corners shall be designed so they are NOT a structural component of the body, but means to provide a smooth exterior transition and water tight surface. NO EXCEPTIONS. Designs which include an integral exterior corner surface/structural member are unacceptable.

CORNER CASTINGS:

The upper four corners of the module shall have a cast aluminum ball corner that matches the radius of the corner extrusions. This ball corner shall be completely 100% welded in place to pre-vent water leaks and finished to have a smooth transition at the corner.

EQUIPMENT MOUNTING LOCATIONS & REINFORCEMENTS:

Areas within the body that have equipment mounted or items bolted shall have additional structural-al members welded in place. The areas are as follows:

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	Yes	No
<p>1. A .250" thick 1.25" by 2.5" structural angle to mount squad bench and seat belt restraints shall be installed on the side interior walls, including left side attendant seat. The entire assembly shall be tested and certified to F.M.V.S.S. 210. Documentation shall be provided upon request.</p> <p>2. Cot mounts shall be mounted/bolted to structural members welded within the floor structure. Floor structure shall be tested and meet SAE J3102. Documentation shall be provided upon request.</p> <p>3. Rear facing attendant seat pedestal shall be mounted to a reinforced structural channel members between the frame members of the floor structure. The entire assembly shall be tested to and certified to F.M.V.S.S. 210. Documentation shall be provided upon request.</p> <p>4. The oxygen bottle retention bracket shall be bolted to a reinforcing structure within the storage compartment. Under No Circumstances shall an oxygen bottle be secured to interior cabinets only, they must always be bolted to a structural member of the module body. The entire assembly shall be tested to SAE J3043 and A.M.D. - 003.</p> <p>5. Reinforcing plates for ceiling dome lights shall be installed between the roof frame members.</p> <p>6. Double laminated reinforcing plates shall be installed in the front body frame for added strength in the areas where the body is bolted to the cab, in addition to structural angles in the front frame above the cab roof.</p> <p>WHEEL WELL CONSTRUCTION:</p> <p>The rear wheel well housings shall be designed to OEM manufacturers recommended clearances. The inner well shall be formed to follow the contours of the wheel and be fabricated from .125 aluminum sheet, and extend down to the lower body skirt level. Tolerances shall include clearance for full tire chains. All wheel well housings shall be completely sealed and undercoated prior to mounting the body.</p> <p>SAE J3057 Compliant</p> <p>LIFETIME STRUCTURAL WARRANTY</p> <p>Manufacturer will warranty to original purchaser that the new emergency vehicle body (exclusive of paint finish) is structurally sound and free from all structural defects of both material and workmanship, and further warrants that it will maintain such structural integrity for the life for the body. Warranty transferable subject to inspection by manufacturer. Bidder must include statement of warranty policy with bid.</p> <p>The structural integrity of the body shall be guaranteed for the life of the unit, as long as the original purchaser shall own it.</p> <p>FINITE ELEMENT ANALYSIS</p> <p>The Manufacturer shall certify that a Finite Element Analysis, using Solid Works Simulation, has been successfully performed to simulate side impact crash testing to the ambulance body. Loading shall conform to the Code of Federal Regulations, Title 49, Section 571.208, Section 8.2.2, Section 8.3.5, and Section 8.3.6.</p> <p>The analysis shall show that the ambulance body will not experience a localized displacement of greater than 3 inches in critical areas.</p>		

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Bidder Complies

Yes	No
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Documented proof of the analysis shall be provided at the time of the bid submission. Detailed specifications and the results of FEA shall be provided upon request. This analysis shall be in addition to certification of conformance to KKK-A-1822, revision F.

EXTERIOR COMPARTMENT CONSTRUCTION:

The exterior compartments shall be fabricated from fully enclosed aluminum sheets. The floor and ceiling material shall be fabricated from .125" aluminum sheets. Each compartment shall be its own independent unit with two sides, rear, top and bottom, and not share a common wall with an adjoining compartment. All vertical seams of the compartment shall be continuous one piece bend or 100% welded construction. Overlapping caulked vertical seams are unacceptable. Each compartment unit shall be welded to the inside of the structural door jamb.

All compartments shall have AudioGuard ® acoustical coating applied to the back side surface for increased sound deadening.

All compartments shall incorporate a flush sweep out design. No compartment floor lips or door gaskets shall come above or protrude into the compartment opening at all.

EXTERIOR COMPARTMENT FINISH:

The rear and two side walls of the interior surface of the exterior compartments shall be fabricated from 100% welded, .080" polished aluminum diamond plate panels.

EXTERIOR COMPARTMENT SHELVES:

All shelves as specified in exterior compartments shall be fabricated from .125" formed aluminum diamond plate with a 1" flange bent up on both the front and rear of the shelf. The shelf shall be mounted to heavy duty UNISTRUT shelving standards to allow for full adjustment. The front edge of the shelf shall be finished with a Trim-Lock snap on vinyl edging.

CAB TO BODY PASS-THRU:

A cab to body pass-thru window shall be installed in the front of the body and rear of cab. In the front of the body the module framework shall be positioned to allow for a minimum opening of 17" wide x 13" high. The opening shall have a full perimeter 5/8" flange on the body side with 2" radius in the corners.

The rear of the cab shall be modified by adding a flange to the rear glass center framework section. The frame flange shall have a matching 5/8" flange to align with the opening in the body and provide approximately a 1 3/4" gap between the cab and body for flexing.

Attached to the flange shall be an automotive quality EPDM rubber bellows material with steel spring carrier attachments completely sealed at the seam. The seal shall be semi permanent and removable if required at some future time.

CAB TO BODY PASS-THRU:

A cab to body pass-thru window shall be installed in the front of the body and rear of cab. In the front of the body the module framework shall be positioned to allow for a minimum opening of 17" wide x 13" high. The opening shall have a full perimeter 5/8" flange on the body side with 2" radius in the corners.

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	Yes	No
<p>The opening shall include a double sliding window for privacy.</p> <p>The rear of the cab shall be modified by adding a flange to the rear glass center framework section. The frame flange shall have a matching 5/8" flange to align with the opening in the body and provide approximately a 1 3/4" gap between the cab and body for flexing.</p> <p>Attached to the flange shall be an automotive quality EPDM rubber bellows material with steel spring carrier attachments completely sealed at the seam. The seal shall be semi permanent and removable if required at some future time.</p> <p>LATCH FOR CAB TO BODY WINDOW:</p> <p>The cab to body window shall have a latch that allows opening of the window from the cab side and prevents opening of the window from the body side per KKK.</p> <p>*Pass thru only - Not required on walk thru*</p> <p>ELECTRICAL DISTRIBUTION CABINET:</p> <p>The Electrical Distribution Cabinet shall be located on the front left wall of the body. The cabinet shall be approximately 12 1/2" wide x 17" deep and run from the floor to the underside platform of the heater/air conditioner cabinet. The cabinet shall have a dual removable access panels and a larger main cover, located on the right side of the cabinet. The main cover shall be secured with four threaded fasteners. An access panel, within the main cover, shall latch in the closed position by two flush mounted locking trigger latches. The size of the access panel shall be approximately 11 1/4" wide by 24 3/4" high. A secondary removable access panel, on the front side of the cabinet, separate from the removable access cover, shall provide access to the vehicle relays, and be secured with four threaded fasteners. The size of the relay access panel shall be approximately 11" wide by 23 1/2" high. All the main wiring harnesses shall terminate within this compartment. Cabinet shall be provided adequate compartment ventilation. The cabinet cover and all access panels shall be coated in black polycoat.</p> <p>An LED light shall be mounted on the ceiling of the electrical distribution cabinet. The light shall have a switch on the flange. In addition, the light comes with a standard connector for easy maintenance.</p> <p>Black polycoat cover with an access panel with flush locking trigger latches</p> <p>BODY MOUNTING RUBBER DONUTS, TYPE I:</p> <p>The modular ambulance body shall be mounted to the chassis in such a manner to facilitate easy removal for future remounting with other manufacturer's vehicle chassis having the cab to axle dimensions. Mounting devices shall be Eight (8) high strength 5/8" Grade 8 bolts four (4) on each side for body lengths specified less than 156". Body lengths specified at 156" or longer will have one (1) additional mounting device per side. Such bolts shall secure the body to the frame via rubber isolation mounting donuts. The rubber donuts shall be mounted to the frame rail of the chassis utilizing steel outriggers secured to the frame with (2) grade 8 bolts on the side and (1) through the donut.</p> <p>Outriggers are fabricated from ASTM A36 3/8" steel plate with 1/4" steel gussets for maximum strength. Mounting surface for the donut has a reinforced thickness of 7/8". ASTM A36 Steel Plate has a Tensile strength</p>		

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**Bidder
Complies**

Yes No

of 58000 to 80000 PSI, and a Yield strength 36000 PSI minimum – which is equal to the Chassis frame specifications.

A full length 2" x 5" x 1/4" mounting channel is attached with Grade 8 bolts through the donut. Body floor frame is fully welded to the mounting channel at all cross members. Floor frame tubes are a minimum of 2 x 2 x .250 (1/4") tubular aluminum 6061T6.

THIS MOUNTING SYSTEM MEETS OR EXCEEDS ALL QVM AND FMVSS REQUIREMENTS.

LOWERED SIDE SKIRTS:

The right and left side skirts of the body, forward of the rear wheels, shall be 3" lower than the right and left skirts aft of the rear wheels. This is to allow easier access into the side entrance door and the left side forward compartment of the vehicle.

STEPWELL COMPARTMENT/ INTERMEDIATE STEP:

Inside the side entrance door shall be a recessed step well compartment. The compartment shall extend into the body approximately 20 7/8" and be the full width of the side entrance door. An intermediate step shall be fabricated as part of the step well area. This intermediate step shall be an 8 1/2" step from the floor of the step well, and the actual floor of the ambulance shall be another 8 1/2" step.

The vertical sides of the compartment shall be fabricated from .080 polished aluminum diamond plate. The floor shall include slip resistant turtle tile, removable with a drain/sweep out plug for ease of cleaning. The intermediate step shall also be provided with the same slip resistant turtle tile on the horizontal stepping surface. Aluminum diamond plate on the floor is unacceptable due to the slippery surface when wet.

The Stepwell compartment shall also provide for recessed storage with access from the side entrance door. The stepwell area shall be integrated into the head of the squad bench resulting in a diamond plate recessed storage area with approximate dimensions of 5" d x 12" w x 24" high. The intermediate step shall be fabricated with a 45 degree angle to allow for easy placement and removal of the portable oxygen cylinders stored in the recessed area.

The sub-floor of the compartment shall be fabricated from 3/16" aluminum plate to provide a heavy duty walk surface which will not flex under foot. The upper edge where the step well meets the flooring material shall include non-slip polished aluminum threshold trim which is screwed in place.

DOOR CONSTRUCTION:

All doors including personnel and compartment doors shall be constructed of a custom designed extrusion made of 6061-T6 aluminum alloy, used in combination with a "Bent Box Pan" exterior door panel. The bent exterior door panel shall be fabricated from .125" aluminum alloy panels that have the exact properties and quality as the exterior side panels. Each door pan shall be manufactured with an inside corner bend of approximately 3/4". The custom extrusion shall be 45-degree miter cut and assembled to fit into the 3/4" recessed area of the pan. The framed extrusion shall be welded prior to bonding into the door pan. A 2-component acrylic adhesive with a minimum tensile strength of 3000PSI (per ISO 527-3) shall be applied between the door pan and the entire extrusion to bond and seal each door.

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	Yes	No
<p>The door shall have an overall dimension of 2 1/2", with the primary door seal being mounted to the door at the 3/4" dimension of the door exterior pan. The door latching hardware shall be mounted inboard of the seal in all cases. The door shall have gussets welded from the inside and shall be reinforced in areas where windows are to be installed and for areas where heavy objects might be hung from them.</p> <p>Door configurations requiring double doors, shall utilize a structural member attached to the adjoining edge of the second opening door. This structural member shall match the seal surface of the door jambs on the balance of the door opening. Add-on or bolted double door dividers are unacceptable.</p> <p>DOOR SEALS:</p> <p>The door shall incorporate a continuous seal permanently attached around the entire perimeter of the door. Automotive latching hardware shall not interrupt the seal surface. The seal shall be a custom designed hollow core seal specifically designed for hinged doors. Flat open or closed cell solid rubber "Static" seals are not acceptable for hinged doors.</p> <p>DOOR HINGES:</p> <p>Each door shall be hung with stainless steel continuous hinges. The hinge shall have a 1/4" pin which is staked every six inches to prevent the pin from sliding. The hinges shall be held to the door and to the body using 1/4-20 stainless steel threaded machine fasteners every, 4" on both sides, use of rivets on hinges is not acceptable. All hinges installed on the body shall include a closed cell foam barrier between the dissimilar stainless steel hinge surface and the painted aluminum body. A closed cell gasket shall be added between hinge and body to seal any gaps caused by securing the hinge.</p> <p>DOOR LATCH HARDWARE:</p> <p>Every door shall utilize an automotive type rotary slam latch. All doors used for personnel access shall utilize two latches; one located on the top of the door the other at the bottom. All compartment doors taller than 70" shall utilize two latches; one located on the top of the door and the other at the bottom. Single point hardware for this type or any other type of door hardware is unacceptable. The latches shall meet FMVSS 206 standard and shall not be modified in any way to jeopardize its integrity. Latch pins without heads intact shall be cause for immediate rejection of vehicle.</p> <p>All rotary slam latches shall be activated by adjustable steel rods. Cable activated rotary latches are unacceptable. All door hardware and rod assemblies shall be designed to minimize hardware rattle.</p> <p>Compartments that require double opening doors shall incorporate (2) point latches on first closing door in addition to second closing door. The latches shall be activated by a handle in each compartment door on the exterior which matches the other exterior handles on the vehicle.</p> <p>All door hardware, including rods and latches, shall be concealed within the inner door panel. Doors with any exposed latching hardware are unacceptable.</p> <p>ANODIZED ALUMINUM DRIP MOLDINGS:</p> <p>Anodized extruded aluminum drip moldings shall be provided above all exterior compartment and entrance doors. The moldings shall be attached without the use of unsightly screws and shall be easily replaceable if damaged. This molding shall direct excess water away from the compartment and entrance door opening.</p> <p>COMPARTMENT DOOR BUMPERS:</p>		

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	Yes	No
<p>Heavy duty tape on type rubber (Styrene butadiene rubber,SBR) bumpers shall be installed on all compartments that may come in contact with one another.</p> <p>LOCTITE / FASTENERS:</p> <p>All exterior door hinge bolts, inner door panels on both compartment and entrance door panel, and door latching bolts shall be installed with the use of Loctite thread locking material.</p> <p>TRIMARK POWER LOCKING ENTRANCE DOOR HANDLES:</p> <p>The right side and right and left rear entrance doors shall incorporate a Trimark 1875 automotive style free floating paddle handle. This handle shall activate an F.M.V.S.S. approved rotary style automotive door latch, two latches per door. Single point door latches for entrance doors are unacceptable. The exterior handle shall have a chrome housing and chrome release paddle with non slip tape on inner surface for secure opening of the door. Mounting hardware shall not be exposed to the outside for security reasons. The inside handles on all entrance doors including the left rear door, shall be a matching automotive design, flush paddle release type designed specifically for use with this system. Door hardware shall incorporate a rod activated power door locking system. All rods used for interior door release mechanisms shall incorporate anti-rattle devices to prevent door hardware noise.</p> <p>All entrance doors shall incorporate a power locking - unlocking feature. The control of the power door locks shall be from the power door lock switches located on the driver and passenger doors. All handles shall have a key activated override of power locking feature.</p> <p>The door system shall include emergency override latch levers in upper and lower locations of each entrance door. Levers are visible with red coating and intended for emergency use in the event of a non-functioning handle.</p> <p>INTERIOR ENTRANCE DOOR PANELS, w/BRUSHED ALUMINUM LOWER PANELS :</p> <p>The inside surface of the entrance doors shall have three (3) sections. The upper shall be an aluminum panel covered with high pressure plastic laminates which matches the interior cabinets. The center area which covers the door hardware shall be a padded vinyl .The side Entrance and the rear LOWER panels shall be brushed aluminum to accommodate Chevron Striping. The panels shall be held in place with threaded mechanical fasteners and be removable for servicing of door hardware</p> <p>Brushed Aluminum Lower panel to replace diamond to accommodate Chevron Striping</p> <p>REFLECTIVE CHEVRONS</p> <p>REFLEXITE CHEVRON DESIGN ON INNER LOWER ENTRANCE DOOR PANELS:</p> <p>A 3" Reflexite, chevron stripe shall be installed on the inside, brushed aluminum door panels on all Entrance doors. The Chevron color shall be Red/Fluorescent Lime.</p>		

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	Yes	No
<p>Reflexite Chevron Design, all Lower Entrance Door Panels</p> <p>REMOTE KEYLESS ENTRY:</p> <p>The power door lock switch located on the drivers' and passengers' side cab doors shall be wired to activate the power lock/unlock function of the ambulance body entrance doors (and compartment doors when power feature is specified). The switch shall be tied to the battery side of the master disconnect switch and function whenever depressed.</p> <p>In addition to the cab door control of the power door locks, a remote keyless entry system shall be installed. The system shall lock and unlock the cab and ambulance doors as specified above. The vehicle shall be delivered with two remote keyless entry devices and programmed to operate with the vehicle. The remote device shall be capable of being attached to the key ring of the vehicle.</p> <p>OEM door switches control cab & body doors.</p> <p>POWER DOOR LOCKS OVERRIDE SWITCH:</p> <p>A concealed emergency override switch shall be provided and located in the front grille area. This switch location shall be KKK compliant.</p> <p>TRIMARK POWER LOCKING COMPARTMENT DOOR HANDLES:</p> <p>All compartment doors shall incorporate Trimark 1875 automotive style free floating paddle handles. This handle shall activate an F.M.V.S.S. approved rotary style automotive door latch. The exterior handle shall have a chrome housing and chrome release paddle with non slip tape on inner surface for secure opening of the door. Mounting hardware shall not be exposed to the outside for security reasons. Door hardware shall incorporate a rod activated power door locking system.</p> <p>All compartment doors shall incorporate a power locking - unlocking feature. The control of the power door locks shall be from the power door lock switches located on the driver and passenger doors. All handles shall have a key activated override of power locking feature. These doors shall lock - unlock at the same time as the cab doors and entrance doors.</p> <p>Tied to OEM Power Door Lock Switch</p> <p>GAS SPRING DOOR HOLDERS:</p> <p>All hinged compartment doors and right side entrance door shall incorporate a pneumatic gas spring door holder. The mounting bracket, piston end for the door side, shall be secured to the 1/4" gusset within the door. The door holder gas spring end shall be attached to compartment ceiling. The gas spring shall be installed with a 10 degree pitch downward to improve function and extend life of gas spring.</p>		

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	Yes	No
<p>"A" COMPARTMENT TO CHECK PAST 90 DEGREES</p> <p>The Gas spring door check on compartment "A" shall be set beyond the standard 90 degree, open default position to allow easier access into this compartment.</p> <p>"C" COMPARTMENT TO CHECK PAST 90 DEGREES</p> <p>The Gas spring door check on compartment "C" shall be set beyond the standard 90 degree, open default position to allow easier access into this compartment.</p> <p>"E" COMPARTMENT TO CHECK PAST 90 DEGREES</p> <p>The Gas spring door check on compartment "E" shall be set beyond the standard 90 degree, open default position to allow easier access into this compartment.</p> <p>"D" COMPARTMENT TO CHECK PAST 90 DEGREES</p> <p>The Gas spring door check on compartment "D" shall be set beyond the standard 90 degree, open default position to allow easier access into this compartment. This allows needed clearance for battery and pull-out tray slides (where applicable) and also allows for ease of moving larger equipment in and out of the right front in/out access</p> <p>REAR ENTRANCE DOOR HOLDER, "BOTTOM GRABBER":</p> <p>The rear entrance doors shall incorporate a Polished Aluminum Grabber door holder device. This device shall hold the door at approximately 170 degrees. For each door, (1) set of door holders shall be securely bolted to the bottom edge of the doors and the vehicle substructure of the body.</p> <p>COMPARTMENTS</p> <p>Exterior compartment dimensions reflect wall to wall measurements.</p> <p>SECURING DEVICES FOR EQUIPMENT</p> <p>COMPARTMENT DOOR PANELS:</p> <p>Interior door panels on compartment doors shall be made of .100" polished aluminum diamond plate held on with threaded fasteners that provide access for repairs or replacement of hardware.</p> <p>POLYURETHANE COATING DOOR SILL AND COMPARTMENT FLOORS:</p>		

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	Yes	No
<p>The lower edge and sill of side entrance and compartment door openings shall be treated with a heavy duty sprayed on urethane coating. Coating shall continue into the compartment floors and full length of body behind the rub rail. The urethane coating has a coarse texture and is chemical and UV resistant.</p> <p>Polycoated Compt & Entr Door Sills, Compt Floors, Area Behind Rub Rails (*Note*)</p> <p>COMPARTMENT VENTING:</p> <p>The exterior compartments shall be vented to the exterior of the vehicle. The vents shall be located in the lower portion of the compartments. Vents are installed to allow air to escape and allow the compartment door to close with ease. The vents are added to an area above floor level to prevent road debris from entering the compartment. The vents shall have a total of 25 square inches.</p> <p>DRI-DEK FLOOR MATTING:</p> <p>Dri-Dek material shall be installed on all floors of the exterior compartments. The Dri-Dek shall be custom cut to fit around oxygen bottles and mounted equipment. The flush sweep-out floor edges shall include the Dri-Dek tapered edges.</p> <p>RUBBER MATTING SHELVES:</p> <p>A .125" rubber mat material shall be installed on all shelves of the exterior compartments. The rubber matting material shall be custom cut to fit each compartment shelf.</p> <p>SIDE ENTRANCE DOOR STEPWELL:</p> <p>The floor of the step well compartment shall be lined with slip resistant Turtle Tile mat. The mat shall be removable for ease of cleaning.</p> <p>COMPARTMENT CONFIGURATIONS AND EQUIPMENT</p> <p>OXYGEN BRACKET, COMPARTMENT A</p> <p>The Oxygen bracket as described shall be installed within compartment "A".</p> <p>ADJUSTABLE SHELF EXTERIOR COMPARTMENT "A":</p> <p>An adjustable shelf shall be added to the left front exterior compartment. The shelf shall be mounted on four sections of aluminum Unistrut, and be fully adjustable. A light fixture shall be installed under the shelf. The compartment light shall be controlled by an automatic door post switch in the door. The compartment open indication light shall activate anytime any compartment door is opened. The door post switch shall activate the compartment lighting relays. The door post switch shall not carry the current of the compartment lights.</p> <p>ADJUSTABLE SHELVES (2)</p> <p>Two (2) vertically adjustable aluminum diamond plate shelves shall be mounted on Unistrut shelving standards, within compartment "C".</p>		

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**Bidder
Complies**

Yes

No

FULL HEIGHT DIVIDER W/(3) ADJUSTABLE SHELVES:

The compartment as listed below shall be equipped with a full height divider 12" off front wall, with one side for long equipment storage and three 10.25" adjustable shelves on the other side of the divider. The divider shall be fabricated from a 0.125" aluminum panel with flanges on top and bottom and back edge for better attachment to the compartment. Dividers will be finished off with a "Powder Coat" paint process. The shelves shall be mounted on four sections of aluminum Unistrut, and be fully adjustable.

Long Equipment Storage Compartment "E"
Divider to be 12" off front wall w/10" shelves.

BACKBOARD MOUNTS:

The right rear full height compartment shall be provided with (2) black rubber friction mounts for securing two (2) backboards. The mount shall be fabricated from an "L" shaped (45"h x 16"d) 3" aluminum channel. The channel will be bolted to the interior compartment. The rubber friction mount shall be press fitted onto each side of the 3" channel, full length. Proper spacing shall be provided to allow for Long Boards with runners.

MOUNTING HOOKS FOR EQUIPMENT:

The following compartment shall be provided with Ferno Washington #559 hooks for hanging equipment shall be mounted in the A compartment on the right sidewall 60" from the floor of the A compartment centered between the oxygen door and the exterior of the apparatus.

MOUNTING HOOKS FOR EQUIPMENT:

Two (2) Marine Grade, Perko Brand hooks Mod.# 1309DP0CHR for hanging helmets shall be provided within exterior storage compartment B on the rear wall 2-3" from the top of the B compartment approximately one quarter of the length of the B compartment rear wall for hanging helmets. .

SCBA ZICO ANGLE BRACKET

Two (2) Factory Supplied ZICO Model # ABS angle Mount, shall mounted in the inside corners of the Compartment B to accept SCBA brackets.

SCBA ZICO WALK-AWAY BRACKET WITH #5 CLIP:

Two (2) Ziamatic Walk-Away bracket with a #5 size clip shall be both provided and installed to store the customers supplied SCBA bottle. The bracket shall be equipped with a hold down strap to secure the equipment and the unit shall be bolted in place to prevent movement. The bracket shall include "high-cycle" coated clips to prevent undo wear on the customer's air bottle. The bottom of the bracket shall be a minimum of six (6) inches above the compartment Dri-dek floor matting located in Compartment B.

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>REAR STEP BUMPER:</p> <p>A full length reinforced rear bumper shall be installed on the rear of vehicle. The bumper shall be fabricated from 3" aluminum 6061-T6 structural channel and securely bolted to the vehicle frame using high strength, grade 8, 1/2" bolts. The bumper shall have contoured ends and be covered with polished aluminum diamond plate end caps. In addition, two full end gussets shall be provided to support the bumper ends in the event of minor impact. The gussets shall be fabricated from 3" x 2" x 1/4" structural aluminum tube 6061-T6. No exceptions to size of gussets.</p> <p>The bumper shall incorporate a design that allows it to be recessed under the rear of the body. Any rear bumper design that does not have a recessed design shall be unacceptable. The under body recessed bumper design allows the chassis frame to absorb minor impact without any damage to ambulance body.</p> <p>LIFT-UP REAR STEP; RECESSED STEP RISER:</p> <p>The rear step bumper shall incorporate a 44" long by 9 1/2" deep, lift-up center section made of extruded aluminum, "Diamond Back" safety grating. The step shall hinge on a full length stainless steel piano hinge. Note: When the step is in the load position the step shall be totally within the exterior of the body and shall not protrude beyond the door sill.</p> <p>REAR DIAMOND PLATE PANEL & CORNER GUARDS:</p> <p>A polished aluminum diamond plate kick panel shall be installed above the rear step bumper and below the rear doors. The panel shall overlap. The step riser panel shall be removable.</p> <p>Polished aluminum diamond plate panels shall be installed on the rear body corners. Panels shall extend to the rear step riser, and protect the lower area of the body around the rear recessed bumper step. The panel height shall be approximately 4" in height (dependent on vehicle type)</p> <p>LICENSE PLATE HOLDER:</p> <p>A recessed Cast Products polished aluminum license plate holder shall be installed in the left rear body panel of the ambulance. The housing shall be installed with an EPDM 40 to 60 durometer rubber gasket. It shall include (1) LED license plate light activated with the running / headlights of the vehicle.</p> <p>DOCK BUMPERS:</p> <p>Two (2) Heavy duty black rubber dock bumpers shall be installed on the rear bumper ends, (1) each side. The bumpers shall be 2" high, 10" long and protrude 2" outward from rear bumper. The dock bumpers shall be bolted to the structural channel of the rear step bumper.</p> <p>ALUMINUM DIAMOND PLATE ACCESSORIES</p> <p>FRONT BODY STONE GUARD, POLISHED DIAMOND PLATE:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>High polished .100 aluminum diamond plate stone guard shall be installed on the front body. The guard shall be one piece & fit the width of the body between the corner extrusions. The stone guard shall be removable for repair in event of damage. The edges of the diamond plate panels shall be sealed with a closed cell gasket around the perimeter, to prevent moisture from getting behind panels. All panels shall be removal if required.</p> <p>FRONT CORNER STONE GUARDS, POLISHED DIAMOND PLATE:</p> <p>High polished .100 aluminum diamond plate stone guards shall be installed on the front body corners. The guards shall be one piece & contoured to fit the 1 5/8" outside radius of the body. The stone guards shall be removable for repair in event of damage. The edges of the diamond plate panels shall be sealed with a closed cell gasket around the perimeter, to prevent moisture from getting behind panels. All panels shall be removal if required.</p> <p>RUB RAILS, "C" CHANNEL:</p> <p>"C" Shaped rub rails shall be installed on the lower body skirt panels under the door line with open Flanges pointing away from the body. The rub rails shall be Custom Aluminum Channel. The ends shall be chamfered and all sharp edges sanded. The aluminum shall be protected with an anodized Bright-Dip finish. The rub rails shall be attached to the body with .625 deep rubber spacers that hold the channel off the body. This spaced design prevents debris from accumulating between the Rub Rails and the painted body. Designs that are not offset from the body are unacceptable due to their tendency to accumulate debris. The rub rails shall span the left and right side of the ambulance body on either side of the rear wheel opening.</p> <p>EXTERIOR TRIM</p> <p>REAR WHEEL FENDERETTES, RUBBER:</p> <p>Heavy Duty Rubber, fenderettes shall be installed around the rear wheel opening, sized to allow for proper tire clearance. The fenderettes shall be bolted on for easy removal. All hardware shall be concealed. Exposed mounting hardware is unacceptable.</p> <p>ADDITIONAL EXTERIOR:</p> <p>BODY UNDERCOATING:</p> <p>The under side of the modular body, including frame members and full compartment side and floor panels shall be undercoated with a premium wax based, corrosion preventative, undercarriage protectant material designed for commercial and automotive vehicle use. The material shall be applied prior to the body being mounted to the chassis to ensure maximum coverage. Material application will be evenly sprayed under the body and in the wheel box and stepwell areas. The back side of the body skin behind the area of the fenderettes will be coated for increased corrosion prevention. As will the back sides of all exterior compartments for additional acoustical insulation.</p> <p>After the body has been mounted to the chassis, a second application of the undercoating material will be applied under the cab and to the body aluminum sub floor with the exception of areas near the exhaust and other heat generating components per the guidelines of Ford QVM.</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>EXTERIOR BODY WINDOWS</p> <p>SLIDING SIDE DOOR WINDOW:</p> <p>A Transportation Products, Inc. 18"W x 22"H window shall be installed in the side entrance door. It shall have sliding, 31% tinted automotive safety glass and be mounted within an aluminum black powdercoated frame. The window shall be completely sealed and held to the door via an inside clamp ring which matches the exterior of the window. The window shall incorporate a sliding removable screen.</p> <p>Transportation Products Inc. Window.</p> <p>FIXED REAR DOOR WINDOWS:</p> <p>Two (2) Transportation Products, Inc. 15"W x 22"H windows shall be installed in the rear entrance doors. They shall have fixed automotive 31% tinted safety glass and be mounted with an aluminum black powdercoated frame. The windows shall be completely sealed and held to the door via an inside clamp ring, which matches the exterior of the window.</p> <p>Transportation Products Inc. Windows.</p> <p>MYLAR TINTED ENTRANCE DOOR WINDOWS:</p> <p>The side and rear entrance door windows shall be dark privacy tinted, by the addition of a MYLAR film to the inside of the door windows. The installation shall be free of air bubbles and other defects.</p> <p>INTERIOR MODULAR BODY CONSTRUCTION TYPE</p> <p>STANDARD CABINET CONSTRUCTION:</p> <p>The interior cabinets of the vehicle shall be completely constructed of 3/4" and 1/2" premium grade, cabinet birch plywood and in non-stress areas 1/4" plywood.</p> <p>Assembly of the cabinets shall be with 1 1/4 inch #8 zinc screws through 1/2 inch plywood and 1 1/2 inch through 3/4 inch plywood. 1 1/4 staples are utilized for both applications. 3/4 inch staples are utilized for 1/4 plywood. The staples are spaced approximately 2 inches apart and the screws should be 6-8 inches apart. All wood to wood joints are glued.</p> <p>Each cabinet shall include a reinforced attachment point where it is secured to the vehicle framework. All cabinets shall be attached directly to the vehicle framework and all mounting bolts shall be placed on a maximum of 12" centers for any cabinet.</p> <p>All cabinets shall be covered with AEON Enhanced Performance high pressure 1.35mm plastic laminate and trimmed with aluminum moldings for a finished appearance. Raw wood or unfinished edges of any kind including aluminum panels are unacceptable.</p> <p>When a full height left front cabinet, full height right rear cabinet, or a full height cabinet in the right front exists in the vehicle, it will have rounded corners of radius 1.5" on the vertical edges. The rounded corner will be constructed from two extrusions made from 6061-T6 aluminum. The interior extrusion is designed to attach two perpendicular sheets of furniture grade laminated plywood. The exterior or visible extrusion will be satin anodized and designed to snap into the interior extrusion, so that it may be replaced if damaged. If the full height</p>		

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**Bidder
Complies**

Yes No

left front cabinet, right rear cabinet, or full height cabinet in the right front have specific components preventing the cabinet from incorporating the rounded corner design it will have the edge of the cabinet finished with anodized aluminum three quarter round molding.

All cabinets shall be labeled to reflect the rated weight capacity in accordance with the requirements of SAE J3058.

WALLS:

All walls of the vehicle shall be fabricated using 1/4" plywood covered with color coordinated high pressure AEON enhanced performance plastic laminates. Walls shall be attached to the body framework using threaded fasteners.

ADJUSTABLE SHELVES:

All adjustable shelves within the interior cabinets shall be constructed from 1/2", high-density polyethylene material. The shelves will be mounted to Unistrut shelving standards. Each cabinet shall be equipped with four adjustable standards for each cabinet and have (4) retaining clips for each shelf. The shelf will have 2 securing screws attached to retaining clips. The shelf shall be the full width and depth of the cabinet and shall include a 1" anodized aluminum angle on the shelf front edge, creating a full length 5/8" high retaining lip.

HINGED DOORS:

All hinged doors shall be equipped with hinges and a locking Southco stainless steel positive latching device to prevent opening while in motion. All surfaces of the door including the edges shall be finished to match the interior of the vehicle cabinets.

WIRE RACEWAY:

A full length drop down wire raceway shall be installed down the center of the ceiling. It shall be finished with 1/8" padded vinyl material to match the upholstery in the vehicle. Vehicles which utilize wire raceways above or behind interior cabinets are unacceptable.

SOFFIT TRIM:

A vinyl covered soffit trim piece shall be installed around the perimeter of the interior cabinets where they meet the ceiling. This trim shall be added to allow access to the cabinet mounting bolts and provide a finished transition between the ceiling and cabinet surfaces.

CUSHION AND UPHOLSTERY FOAM PADDING:

The foam padding on all head bumpers and upper padded surfaces shall be a Volara 2A, closed cell foam which is laminated and layered to a 1/2" thickness, to provide both compression resistance and compression density. This laminated, closed cell foam creates a padded surface that acts as an air-spring when compressed. This specialty foam naturally resists force and will not "bottom out" upon impact and provides positive resistance to pressures applied in any dimension,

The foam padding on all side attendants, squad-bench seating and all seating backrests shall be a 3" Nimbus open cell foam with a # 1865 grade standard, which provides maximum rigidity while still maintaining comfortable seating upon a variety of weight compression. This grade of open cell foam allows the air to escape the foam under compression, thus providing a comfortable seating surface. Also, the density of the foam does not allow the foam to "bottom out" upon compression. The foam types used have low water absorption and vapor transmission rating and excellent thermal insulation and chemical resistant properties

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
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<p>ADDITIONAL FOAM PADDED SURFACES:</p> <p>A 1/8" thickness of Volara 2A closed cell foam shall be applied to the radius area of the ceiling Heat and Air Conditioning duct work to provide a softer surface while enhancing the thermal properties of the heating and cooling system.</p> <p>The upholstered center section of the side and rear body entrance doors shall also include the 1/8" Volara 2A closed cell foam to provide a uniform appearance and a softer surface with an increase in thermal resistance.</p> <p>SOLID SURFACE COUNTER TOP FRONT COUNTER AREA:</p> <p>The counter surface in the front Life Support Station shall be covered with "Steel Gray Tempest" color, genuine Wilsonart Solid Surface counter top material. The Solid Surface shall be permanently bonded and sized to cover the entire surface of the counter area. The counter top shall have a 1" built-in lip around the entire perimeter for containment purposes. The edge of the counter top facing inboard shall be a 1.5" radius. ABS or other plastic counter surfaces are not acceptable.</p> <p>SOLID SURFACE COUNTER TOP REAR COUNTER AREA:</p> <p>The counter surface in the rear counter area shall be covered with "Steel Gray Tempest" colored, genuine Wilsonart Solid Surface counter top material. The Solid Surface shall be permanently bonded and sized to cover the entire surface of the counter area. The counter top shall have a 1" built-in lip around the entire perimeter for containment purposes. The edge of the counter top facing inboard shall be a 1.5" radius. ABS or other plastic surfaces are not an acceptable substitution.</p> <p>INTERIOR COLORS:</p> <p>The interior color of the upper laminated cabinets shall be Fashion Grey.</p> <p>The interior color of the lower laminated cabinets shall be Cloud Nebula.</p> <p>INSULATION</p> <p>MODULAR BODY INSULATION:</p> <p>The entire inside surface of the modular body, including walls and ceiling, shall be insulated with a minimum of 1.7" (44mm) thick, AU 6020-2 High Performance Acoustic Thinsulate. The thermal property of this insulation installation is R 9.1.</p> <p>The insulation shall completely fill the voids between the frame members and the exterior skin. Areas behind heat generating light fixtures shall not be insulated.</p> <p>In addition to the modular body Thinsulate insulation, the interior surfaces of the rear wheel wells and the back sides of all exterior compartments shall be provided with AUDIOGUARD® ACOUSTIC COATINGS P8060 a one-component, waterborne, sprayable, coating designed to reduce structure-borne vibrations and associated sound transmission. Material application will be evenly sprayed to a minimum of 40 mils under body and 80-100 mils in the wheel box and stepwell areas.</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>The Interior surfaces of the entrance door panels shall be provided with an adhesive backed composite acoustical sound deadening material. This material is specifically designed for the reduction of transmitted sound in single skin aluminum panels.</p> <p>ADDITIONAL RADIANT BARRIER, BODY INSULATION:</p> <p>The entire inside surface of the modular body, including walls and ceiling, shall be insulated with Reflectix, an additional aluminum faced radiant barrier insulation. This is to be installed in addition to the Thinsulate insulation to form an extra radiant barrier. The Thermal property of this combined (Thinsulate and reflectix) insulation package is R 12.3. Areas behind heat generating light fixtures shall not be insulated. The insulation shall completely fill the voids between the frame members and the exterior skin.</p> <p>MODULAR BODY ENTRANCE DOOR INSULATION:</p> <p>All exterior patient compartment entrance doors shall be sound deadened with a composite acoustical sound deadening material. The internal skin surface of the interior door shall have this material bonded to it. The modular entrance doors shall have an additional thermal insulation of 2" thick "Thinsulate" bonded in place with clearance provided for door hardware.</p> <p>Interior door panels are provided with vibration isolators for the internal rods connecting the door handles to the latching mechanisms.</p> <p>MODULAR BODY COMPARTMENT DOOR INSULATION:</p> <p>All exterior compartment doors shall be insulated and sound deadened with a slow rise foam in place insulation material which has an R value of 6.2. The interior skin surface of the door shall have this material sprayed and bonded to it. The use of fiberglass or undercoating type material is unacceptable in this exterior door application.</p> <p>FLOOR:</p> <p>The floor shall consist of ¾" Expanded PVC Polymer material. This material shall have .016 lbs per cu in density and be impervious to fluid intrusion. An aluminum sub-floor shall be installed between the floor material and the floor frame members.</p> <p>FRONT BULKHEAD WALL</p> <p>HEATER/AIR CONDITIONER CABINET:</p> <p>The Heater/Air Conditioner cabinet shall be provided in the upper most area, centered above the cab to body pass-thru. This cabinet shall be designed in such a way to allow for quick easy removal of Heater/Air Conditioner unit without the removal of any other equipment. The interior of the cabinet shall be designed to allow fresh air intake from the front of the exterior body and exit to a closable vent located under the cabinet platform. The vent allows fresh air from the exterior of the vehicle to shut off in the summer months for maximum air conditioning performance. The lower platform shall also allow adequate return air flow to the</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>Heater/Air Conditioner unit. The air return shall have a minimum air opening in the cabinet for two 6" by 10" filtered return grills.</p> <p>FRONT BULKHEAD INTERIOR STORAGE CABINET</p> <p>In the front bulkhead area shall be a cabinet with (2) 1/2" acrylic doors with a Southco latch. Included are 2 shelves.</p> <p>COUNTER TOP FRONT BULKHEAD CABINET:</p> <p>The counter surface in the right side front shall be covered with genuine "Steel Gray Tempest" color, Wilsonart Solid Surface counter top material. The counter shall be permanently bonded and sized to cover the entire surface of the counter area. The counter top shall have a 1" built-in lip around the entire perimeter for containment purposes. The edge of the counter top facing inboard shall be a 1.5" radius. ABS or other plastic surfaces are not an acceptable substitution.</p> <p>3" hole above bulkhead cabinet into right front</p> <p>There will be a 3" Hole with a expandable wire grommet</p> <p>RIGHT FRONT INTERIOR CABINET (Upper Section)</p> <p>RIGHT FRONT INTERIOR STORAGE CABINET, UPPER WITH RESTOCKING LIFT-UP DOOR:</p> <p>In the upper most portion of the right front bulkhead area shall be a cabinet with an Austin Life Defender full framed sliding transparent cabinet door which is also capable of lifting for full restocking access to the cabinet. The door shall be held open with two gas springs and held closed with a positive slam latch that interacts with the striker in the event of an impact. The frame shall be made of a custom designed aluminum extrusion featuring one handed operation and positive slam closing with auto latching feature. The doors are to be .220" poly carbonate material. The cabinet shall extend from the top of the inside outside portion of the right front to the ceiling of the vehicle. Approximate dimensions 19" high by 28 7/8" wide by 18" deep. Includes (1) adjustable shelf.</p> <p>Includes Austin Life Defender Lift Up Restocking Door.</p> <p>RIGHT FRONT LOWER, IN/OUT ACCESS STORAGE COMPARTMENT:</p> <p>The interior right front storage cabinet of the vehicle shall be designed to provide access from both the inside of the vehicle or through the exterior compartment door. The size of the compartment shall align with the exterior height and width of the exterior compartment door area above the floor level of the vehicle. The width of the compartment from the inside shall extend to the pass thru area to the cab. Approximate dimensions 39 3/4" high by 31 7/8" wide by 19" deep.</p> <p>RIGHT FRONT CABINET, ADJUSTABLE SHELVES:</p>		

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	Yes	No
<p>The right front inside/outside compartment shall be equipped with two (2) adjustable shelves. The shelves shall be fully adjustable within the inside area of the cabinet.</p> <p>Shelves to be lined with ribbed rubber mat.</p> <p>RIGHT FRONT IN/OUT COMPARTMENT HINGED DOORS:</p> <p>The right front inside/outside access cabinet shall incorporate double hinged 1/2" acrylic transparent doors. The doors shall have hinges that resist motion when moved to prevent doors from swinging freely when the vehicle is moving. The doors shall also incorporate (1) Southco Polished Stainless Steel positive type locking latch in each hinged door.</p> <p>RIGHT SIDE SQUAD BENCH</p> <p>TWO PERSON SQUAD BENCH, CUSTOM INTERIOR RIGHT SIDE LAYOUT, "MEDIC IN MIND":</p> <p>A custom interior right side layout shall be fabricated and installed. The layout shall consist of a two person squad bench located over the rear wheel.</p> <p>SQUAD BENCH, TWO PERSON 2/3 LENGTH:</p> <p>A two person squad bench shall be provided on the right side wall. It shall have dimensions of approximately 60" long x 19" high x 20" deep. The squad bench shall be bolted to reinforced members of the framework utilizing 7/16" high strength bolts. The storage area of the squad bench shall be accessible by lifting the seat cushions. The inside area of the squad bench shall be laminated with high pressure plastic laminates.</p> <p>The bench shall have upholstered padded 3" thick seat cushions. The seat cushions shall be approximately 18" wide x 44" long. The lower cushion shall be removable and easily cleaned or replaced if damaged. The cushions shall be held to the platform with #8 screw type mechanical fasteners, which is permanently attached to the under side of the cushion and platform surface of the squad bench. The cushion/lid shall be held open and closed by two (2) gas spring hold opens and hinged at the rear with full length piano hinges. The mounts for the gas spring shall be installed into reinforced areas within the seat lid platform.</p> <p>2/3 Length Bench, extending from (forward) "Medic in Mind" cabinet to "E" compartment cover. (Eliminates rearward "Medic in Mind cabinet") Approximately 60" long</p> <p>RIGHT SIDE FORWARD BELOW COUNTER LEVEL INTERIOR STORAGE:</p> <p>An interior storage cabinet shall be located forward of the right side attendant seat and below counter level. It shall be approximately 15 1/2" wide x 18" high x 21 3/4" deep.</p> <p>RIGHT SIDE FORWARD BELOW COUNTER STORAGE DRAWERS:</p>		

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	Yes	No
<p>A three (3) drawer storage cabinet shall be installed below the counter area forward of the right side squad seat facing the seat area. Each drawer shall be lined with ribbed rubber matting and have locking Southco latches.</p> <p>All drawers utilize Locking Southco Polished Stainless Steel latches.</p> <p>SOLID SURFACE COUNTER TOP FRONT COUNTER AREA:</p> <p>The counter surface in the right side front shall be covered with genuine "Steel Gray Tempest" color, Wilsonart Solid Surface counter top material. The Solid Surface shall be permanently bonded and sized to cover the entire surface of the counter area. The counter top shall have a 1" built-in lip around the entire perimeter for containment purposes. The edge of the counter top facing inboard shall be a 1.5" radius. ABS or other plastic counter surfaces are not acceptable.</p> <p>18" STAINLESS STEEL GRAB HANDLE:</p> <p>One (1) "L" shaped satin finish stainless steel grab handle shall be installed on the custom squad bench cabinet. The grab rail will be mounted facing the step area. Each shall be fabricated from 1" diameter tube and have radiused ends, which match the overhead grab rail.</p> <p>Grab rail mounted on the "step area" side of the forward custom squad bench cabinet.</p> <p>6-POINT SEAT BELTS:</p> <p>Intertek Industrial Corp 6-point seat belt as certified to SAE J3026 shall be installed at the location specified. The seat belt shall have enclosed automatic locking retractors with push button releases. Each locatoin shall include a backrest and an additional headrest.</p> <p>Qty: (2) Loc: (2) Curbside Seating</p> <p>SQUAD BENCH INVIVIDUAL BACKREST, 2 PIECE:</p> <p>The right side backrest shall be a two piece backrest, consisting of an upper and lower section, to be used for an individual secured with a 6-point seat belt. Both sections are to be horizontally centered on the 6-point seat belt; the lower section is to be mounted below the top strap pulleys and not interfere with operation of the straps; the upper section is to be mounted above the top strap pulleys. The backrest shall match the squad bench cushion, and be mounted so that it can be easily removed.</p> <p>RECESSED STORAGE AT HEAD OF BENCH:</p> <p>Recessed storage shall be provided at head of the squad bench. The stepwell area shall be integrated into the head, (forward portion) of the squad bench thus providing a diamond plated, recessed storage area. The approximate dimensions of this recessed area shall be 5"d x 12"w x 30"h.</p> <p>"D" BOTTLE STORAGE AT STEPWELL:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>The step well of the vehicle shall be modified to extend under the right side platform. The recessed area shall provide a storage location for two "D" size oxygen cylinders.</p> <p>See "D" bottle storage brackets selected in section # 80-43-XXXX</p> <p>ZICO QUICK RELEASE BOTTLE BRACKETS:</p> <p>(2) Zico, Quick Release Strapless "D" Bottle Bracket Model QR-D-2 shall be provided and installed in the recessed stepwell area.</p> <p>Model QR-D-2 Located in the recessed stepwell area Qty (2)</p> <p>SQUAD BENCH LID HOLD DOWN DEVICE:</p> <p>The lid of the squad bench shall be equipped with a slam type positive closure device. This closure device shall prevent opening of squad bench lid in the event of an accident. The release shall be a stainless steel slam type Trimark paddle handle located on the outside surface of the squad bench, and incorporate a catch device on the underside of the lid.</p> <p>SHARPS CONTAINER, SURFACE MOUNTED:</p> <p>A 5 qt. Sharps container shall be surface mounted onto the forward facing wall of the right rear "fascia" cabinet which surrounds the "E" compartment.</p> <p>Sharps Container 5 qt. w/sharpstar lid</p> <p>LEFT SIDE ATTENDANT SEAT:</p> <p>A left side attendant seat shall be built into the left wall cabinets. It shall incorporate a 24" wide x 20" deep seat area with a cushion which is 21" above the floor, a backrest, and a separate headrest. The seat shall be designed for a single seating position. In order to prevent injury during vehicle motion both the forward and rear cabinets that are immediately adjacent to the left side attendant, seat shall include full size padded head bumpers with a 1" thick padding. Designs which do not include this padding are unacceptable.</p> <p>All vertical surfaces to the front and rear of the seat cushion shall be fully padded and wrap around the top of the counter to provide a full armrest.</p> <p>LEFT SIDE ATTENDANT SEAT, UNDER SEAT STORAGE:</p> <p>The underside of the left side attendant seat shall be lined with a brushed aluminum pan and allow for full under seat storage. The seat cushion shall be hinged in the rear and be held open and closed by a single gas spring device. The seat cushion shall be equipped with a slam type positive stainless steel Trimark paddle latch.</p>		
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Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>6-POINT SEAT BELTS:</p> <p>Interteck Industrial Corp 6-point seat belt as certified to SAE J3026 shall be installed at the location specified. The seat belt shall have enclosed automatic locking retractors with push button releases. Each location includes a backrest and an additional headrest.</p> <p>Qty: (1) Loc: Streetside Seating</p> <p>LEFT SIDE ATTENDANT SEAT INVIVIDUAL BACKREST, 2 PIECE:</p> <p>A left side attendant seat shall be a two piece backrest, consisting of an upper and lower section, to be used for an individual secured with a 6-point seat belt. Both sections are to be horizontally centered on the 6-point seat belt; the lower section is to be mounted below the top strap pulleys and not interfere with operation of the straps; the upper section is to be mounted above the top strap pulleys. The backrest shall match the squad bench cushion, and be mounted so that it can be easily removed.</p> <p>LIFE SUPPORT STATION</p> <p>LIFE SUPPORT STATION/SWITCH PANEL:</p> <p>The rear Life Support control and switch panel shall be mounted to the underside of the upper cabinet. The oxygen outlets shall be mounted in the panel to provide use of a ball type flow meter with humidifier bottle attached. The entire panel shall be hinged to provide full access of components for servicing. An adequate area shall be provided alongside the switches for permanent built-in installation of two-way communications radio.</p> <p>SWITCH PANEL COVERING:</p> <p>The switch panel shall be covered with padded vinyl covering which matches the upholstery in the vehicle. The padding shall be 1/8" thick and glued in place prior to the installation of the custom made stitched vinyl cover.</p> <p>REAR MAIN SWITCH PANEL LOCATION:</p> <p>The Rear Main Switch Panel shall be located in the Life Support Station Switch Pod.</p> <p>OTE 19505C TEMPERATURE CONTROLLED UNIT:</p> <p>An OTE 19505C shall be mounted in a cabinet at the head of the LSS countertop. A condensation collection tray shall be located under the unit; the collection tray shall have vents to evaporate any excess moisture collected.</p> <p>Located in a custom cabinet at the head of the LSS (Left side forward) countertop.</p> <p>Exterior Dimensions - 10.125" H x 16.68" W x 19" D Interior Dimensions (useable space) - 4" H x 10.5" W x 10.25" D</p> <p>Unit to be hinged on the bottom and OEM pre-set to a temperature of 65 degrees.</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>Cabinet will be full depth of base cabinet when at head of switch panel Oxygen window is reduced to approx. 6x6 opening Exhaust vent will be mounted at the left side of the cabinet (facing CPR seat)</p> <p>OTE TEMPERATURE CONTROL MODULE:</p> <p>An OTE Temperature Control Module (TCM) to be included with the selected OTE unit.</p> <p>Mounted to the side of the cabinet at the head of the counter</p> <p>LIFE SUPPORT STATION UPPER STORAGE CABINET, WITH RESTOCKING LIFT-UP DOOR:</p> <p>A storage cabinet shall be provided with Austin Life Defender Lift Up Restocking Door above the Life Support Control Panel. The rear most edge shall have a 45 degree angled panel to eliminate any obstructive corners in the area of the Life Support Station working area. The rear surface shall be covered with a padded head bumper surface. The storage cabinet shall be provided with a full framed sliding transparent cabinet door which is also capable of lifting for full restocking access to the cabinet and one (1) adjustable shelf within the cabinet. The door shall be held open with two gas springs and held closed with a positive slam latch that interacts with the striker in the event of an impact. The frame shall be made of a custom designed aluminum extrusion with one handed opening and positive slam closing with auto latching feature. The doors are to be .220" polycarbonate material. The entire lower edge shall be padded to prevent sharp edges.</p> <p>The Interior Height of this cabinet will approximately be 14-1/2" High Pass thru opening approx. 11-1/2".</p> <p>RECESSED SHARPS CONTAINER:</p> <p>A 5 qt. Sharps container shall be recessed into the base cabinet face, aft of the side attendant seat. The Sharps container with sharpstar lid, wall enclosure system shall have a viewing window and lock. It shall be mounted in a recessed box out in the cabinet. The sharps container when installed shall be near flush. The recessed box out shall be covered with black laminate.</p> <p>LEFT SIDE BELOW COUNTER STORAGE DRAWERS:</p> <p>A three (3) drawer storage cabinet shall be installed below the counter area forward of the left side attendant seat. Each drawer shall be lined with ribbed rubber matting and have locking Southco latches.</p> <p>All drawers utilize Locking Southco Polished Stainless Steel latches.</p> <p>MEDIXSAFE MS2 NARCOTIC SAFE</p> <p>Location:LSS above the OTE unit NOTE: Height of LSS upper cabinet will be reduced</p> <p>SOFTWARE INCLUDED IN PURCHASE OF UNIT</p> <p>LEFT REAR STORAGE CABINETS</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>LEFT REAR INTERIOR CABINET UPPER WITH RESTOCKING LIFT-UP DOOR:</p> <p>A storage cabinet with Austin Life Defender Lift Up Restocking Door shall be provided in the upper left rear corner of the body. The cabinet shall have sliding transparent doors and one (1) adjustable shelf. The interior cabinet shall be provided with a full framed sliding transparent cabinet door which is also capable of lifting for full restocking access to the cabinet. The door shall be held open with two gas springs and held closed with a positive slam latch that interacts with the striker in the event of an impact. The frame shall be made of a custom designed aluminum extrusion with one handed opening and positive slam closing with auto latching feature. The doors are to be .220" polycarbonate material. The entire lower edge corner shall be padded to prevent sharp corners.</p> <p>Includes Austin Life Defender Lift Up Restocking Door.</p> <p>INTERIOR CABINET DOORS</p> <p>TINTED TRANSPARENT DOORS:</p> <p>All transparent doors where specified within this specification shall be tinted.</p> <p>FULL LENGTH HANDLES ON TRANSPARENT DOORS:</p> <p>All sliding doors shall have Austin Life Defender anodized aluminum full length pull handles with slam closing and auto latching feature. The use of finger holes or screw on cabinet handles is unacceptable.</p> <p>SAE J3058 Compliant</p> <p>POSITIVE CLOSURE DEVICES ON HINGED DOORS:</p> <p>All hinged doors shall be equipped with a positive closure device such as a polished stainless steel Southco slam latch. Magnet or roller type catches are unacceptable hardware for this application. The use of positive latching types of hardware will prevent inadvertent opening when in motion.</p> <p>UNISTRUT SHELVING STANDARDS, INTERIOR CABINET SHELVES:</p> <p>The interior cabinets of the vehicle shall be provided with Unistrut shelving standards. The standards shall be aluminum with the approximate dimensions of 3/8" by 1" wide. The Unistrut shall be securely fastened to the interior of the cabinets with #10 threaded fasteners.</p> <p>INTERIOR ENTRANCE DOORS</p> <p>All entrance door panels shall be mounted with machine screw threaded fasteners which are installed with thread locking, Loc-Tite material.</p> <p>ABOVE DOOR HEAD BUMPERS</p> <p>SIDE ENTRANCE DOOR HEAD BUMPER:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>A cushioned, matching vinyl covered "bump protection" head bumper shall be mounted in the interior of the side entrance door area. It shall be designed to provide both onward and upward contact protection</p> <p>REAR ENTRANCE DOOR HEAD BUMPER:</p> <p>A cushioned, matching vinyl covered "bump protection" head bumper shall be mounted in the interior above the Rear entrance doors. It shall be designed to provide both onward and upward contact protection</p> <p>INTERIOR GRAB RAILS</p> <p>GRAB RAIL RETENTION:</p> <p>All ceiling grab rails installed in the ambulance shall meet the requirements of the A.M.D grab rail retention test. Test documentation shall be provided upon request.</p> <p>72" CEILING GRAB RAIL, OVER SQUAD BENCH:</p> <p>A satin finish stainless steel grab rail shall be installed in the ceiling over the squad bench. It shall be 72" long x 1 1/4" in diameter with welded stanchions every 24". It shall have fully radiused ends to eliminate a head injury hazard. The use of grab rails which do not have fully welded construction is unacceptable. The grab rail shall be bolted directly to the structure members of the ceiling framework.</p> <p>72" CEILING GRAB RAIL OVER COT:</p> <p>A satin finish stainless steel grab rail shall be installed in the ceiling over the cot. It shall be 72" long x 1 1/4" in diameter with welded stanchions every 24". It shall have fully radiused ends to eliminate a head injury hazard. The use of grab rails which do not have fully welded construction is unacceptable. The grab rail shall be bolted directly to the structure members of the ceiling frame work.</p> <p>18" STAINLESS STEEL GRAB HANDLES REAR DOORS:</p> <p>One (1) 18" satin finish stainless steel grab handle shall be installed at each rear entrance door. Each shall be fabricated from 1 1/4" diameter tube and have radiused ends, which match the over-head grab rail.</p> <p>SIDE ENTRANCE DOOR GRAB RAIL, 45 DEGREE:</p> <p>The side entrance door shall be equipped with a custom built 45 degree grab handle which extends from under the door window in the horizontal plane and then diagonally to the lower outside corner of the door. The grab rail shall be fabricated from satin finish stainless steel 1 1/4" diameter tube with fully welded construction. The grab handle shall be bolted directly to the structural members with the door with the use 1/4-20 threaded fasteners.</p> <p>REAR ENTRANCE DOOR GRAB RAILS, 45 DEGREE:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue

Bidder
Complies

Yes No

The rear entrance doors shall be equipped with two custom built 45 degree grab handle which extends from under the door window in the horizontal plane and then diagonally to the lower outside corner of the door. The grab rails shall be fabricated from satin finish stainless steel 1 1/4" diameter tube with fully welded construction. The grab handles shall be bolted directly to the structural members with the door with the use 1/4-20 threaded fasteners.

SEAT BELTS

SEAT BELT, REAR FACING ATTENDANT SEAT:

One (1) lap seat belt shall be installed at the rear facing attendant seat. The seat belt shall have enclosed male automatic locking retractor with a push button release and a fixed female buckle. The seat belt and seat belt mount shall be tested to F.M.V.S.S. 210 and Federal Specifications KKK-A-1822. Documentation shall be available upon request.

COT MOUNTING

STRYKER POWER LOAD FASTENING SYSTEM:

A Stryker Power Load Model 6390 (SAE J3027 Compliant) shall be installed in the vehicle. The Power Load system is designed to lift or lower the cot in or out of the ambulance. The Mini Rail Clamp shall not be included.

Stryker Power Load

All components provided by vehicle manufacturer.

The vehicle manufacturer will supply and install a Stryker Power Load Cot Fastening System w/inductive charging, and Floor Plate.

Does not include Mini Rail or Mass Casualty Floor Plate for Mini Rail.

Does not include cutout in the floor for the installation of a Mini Rail Plate.

Requires 15 amp Battery Charging circuit.

The Power Load charging circuit will be wired 12V hot unless otherwise specified.

INSTALL STRYKER FLOOR PLATE 7.5" FORWARD:

Stryker Floor Plate and Mini Rail Plate (if applicable) to be installed 7.5" forward from Rear Door Sill.

Where applicable, Mini Rail Cutout and Plate will be moved along with the Floor Plate by the same amount.

A Stryker Power-PRO XT Model 6506SMRT cot shall be provided designed for use with the Stryker Power Load System. It shall include (1) sealed bolster mattress, (1) standard restraint package, "J" Hook. Also includes 6500-028 SMRT Power, 6500-034 Charger Mounting Bracket, 6500-035 DC Cable.

Qty (1)

Includes:

6500-028 SMRT Power,

6500-034 Charger Mounting Bracket,

6500-035 DC Cable,

6506-127 Power Load Compatibility Kit

6085-033 Patient Right Cot Retaining Posts

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>6500-002-030 EMS Restraint Package 6086-500-010 No Wheel Lock Option 6085-031 Trendelenburg 6506-037 No Steer Lock 6060-036-017 Short Hook 6506-034 G Rated Bolster Mattress 6500-318 No IV Pole 6506-036 No HE Section O2 Bottle 0054-200-994 No Runner/HE O2 6506-031 Standard Side Rail 6500-028 120V AC Power Cord 6506-012-003 Standard Fowler</p> <p>PERMANENT MOUNTED IV HOLDER</p> <p>RECESSED DUAL IV HOLDER, OVER COT:</p> <p>One (1) Rubber "Recessed" dual IV holder shall be installed in the ceiling over cot. The holder shall be bolted to reinforcing plates located within the ceiling and include a Velcro strap for securing IV during transport.</p> <p>RECESSED DUAL IV HOLDER, OVER SQUAD BENCH:</p> <p>One (1) Rubber "Recessed" dual IV holder shall be installed in the ceiling over squad bench. The holder shall be bolted to reinforcing plates located within the ceiling and include a Velcro strap for securing IV during transport.</p> <p>CEILING IV HOLDERS, FACING CENTER RACEWAY:</p> <p>Two (2) Cast Products Rubber "Recessed" dual IV holders shall be installed perpendicular to the center raceway.</p> <p>Turn the two IV holders 90 degrees. Dropping towards center raceway</p> <p>RECESSED DUAL IV HOLDER(S):</p> <p>Additional Rubber "Recessed" dual IV holder(s) shall be installed. The holders shall be bolted to reinforcing plates located within the ceiling and include a Velcro strap for securing IV during transport. The dual IV holders shall be located as follows over the Squad Bench, and over the cot.</p> <p>RECESSED DUAL IV HOLDER:</p> <p>An additional Rubber "Recessed" dual IV holder shall be installed. The holder shall be located within the ductwork, raceway and include a Velcro strap for securing IV during transport.</p> <p>Location: In the Wire Raceway, at the Head of the Cot</p> <p>INTERIOR SURFACE FINISHES AND COLORS</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>CEILING PANEL:</p> <p>The ceiling panel of the ambulance shall be high impact thermoplastic panel laminated to a 1/4" subpanel. The entire assembly shall be bolted directly to the ceiling structural framework. The panel shall be the fire retardant grade. All components (Including Lights, IV Holders and Grab Rails) mounted to the ceiling shall be mounted to the structural frame work of the ceiling. Under no circumstances shall anything be mounted to the ceiling panel only. The ceiling panel shall be attached to the vehicle framework without the use of visible hardware.</p> <p>INTERIOR UPHOLSTERY AND PADDED SURFACES</p> <p>HEAD BUMPERS:</p> <p>Vinyl padded head bumpers shall be installed in areas where head injury can occur. One (1) located at the rear door, one (1) at the side door and one (1) at the cab to body door. Full padding shall be provided around the cabinets on the left side attendant seat area.</p> <p>HEAVY DUTY UPHOLSTERY, SEAMLESS:</p> <p>All upholstery used in the vehicle shall be a High Quality Automotive Grade Vinyl Upholstery. All upholstery shall be seamless flat upholstery utilizing minimal stitching on the outside corners. All material shall meet the requirements of FMVSS 302.</p> <p>Upholstery Color: Brt. Blue</p> <p>REAR FACING ATTENDANT SEAT</p> <p>ATTENDANT SEAT, EVS WITH 3 POINT HARNESS, ABS BACK, SWIVEL, SEWN VINYL, BLUE:</p> <p>The ambulance shall be provided with an EVS brand, model 17703 rear facing swivel attendant seat. The seat shall include a three point harness, ABS seat back and be mounted on an EVS brand, model SB-8 swivel base. Seat shall have forward and back adjustment, and swivel to eight positions. All seats and seat installations shall be tested and certified to meet FMVSS standards. It shall be covered in sewn blue upholstery to match the balance of the vinyl in the ambulance.</p> <p>INTERIOR FLOORING FINISH</p> <p>LONCOIN FLOORING:</p> <p>Commercial Quality LONSEAL Mfg Loncoin II Flecks flooring shall be installed. It shall be applied over a prepared Polymer floor surface, with all seams filler patched, to eliminate holes or bubbles in the flooring surface. Color shall be Onyx (C150).</p> <p>ROLL-UP FLOORING 3":</p> <p>The flooring on both the left side wall and right side squad bench shall incorporate a three inch roll-up section of the vinyl flooring material. The flooring material shall be finished with an anodized aluminum trim. The trim</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>shall be secured in place with mechanical fasteners and have a tapered top surface to prevent accumulation of dirt and foreign material. The underside shall be designed in such a way to prevent infiltration behind the trim. This is required to eliminate the possibility of foreign liquid material from becoming trapped behind the flooring where it cannot be disinfected.</p> <p>DRIVERS CAB CONSOLE</p> <p>INTERIOR MOUNTED EQUIPMENT</p> <p>GLOVE BOX HOLDER, SIDE ENTRANCE DOOR:</p> <p>There shall be recessed storage for either (3) *Large Glove boxes or (3) *Small glove boxes over side entrance door including a hinged, lexan door with front facing glove access holes. *(Accommodates the box sizes as indicated below)</p> <p>Storage for (3) glove boxes over side entrance door with a hinged, lexan door and front facing access holes. NOTE: Width of right front upper cabinet must be decreased by approx. 3", and the O'head cabinet (above squad bench) will be decreased by approx. 3" also. Fits either: (3) *Large Boxes @ 9-5/8" x 5" x 3-1/8" ea. or (3) *Small Boxes @ 9-1/2" x 4-3/4" x 2-3/4" ea.</p> <p>IV WARMER SYSTEM:</p> <p>A 12 volt Smithworks IV Warmer system shall be installed in the vehicle as listed below.</p> <p>Install on floor of cabinet as indicated by the fire department. Includes dedicated 12 volt power point receptacle energized by shoreline or cab master power.</p> <p>12 VOLT MEDICAL OUTLET:</p> <p>One (1) 12 volt Power Point outlet shall be provided. The outlet shall be circuit breaker protected and provide a source directly from the vehicle batteries, and bypass the vehicles master battery disconnect switch.</p> <p>"FASTEN SEAT BELT" AND "NO SMOKING" SIGNS:</p> <p>Two (2) large face "No Smoking" signs and one (1) Fasten Seat Belt sign shall be installed in the patient compartment of the ambulance.</p> <p>OXYGEN AND ASPIRATION SYSTEMS</p> <p>OXYGEN SYSTEM:</p> <p>The Oxygen delivery system shall consist of a permanent mount DOT approved Medical Oxygen Cylinder. The oxygen line from the cylinder to the distribution outlets shall be oxygen cleaned, high pressure electrically conductive, "Green" hose with swaged fittings. All fittings and hardware used shall be Medical Oxygen Quality and cleaned for oxygen use.</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>All oxygen hose shall be encased in high temperature protective loom to avoid chafing and physical damage. All fittings shall be completely accessible for service or inspection without the removal of any cabinets or wall panels.</p> <p>The entire system shall be installed, inspected, tested and labeled per the requirements of Federal Specifications KKK-A-1822.</p> <p>The oxygen storage cylinder shall be accessible through a transparent door for manual on/off control of the main valve and to visually monitor the tank pressure on the regulator gauge.</p> <p>OXYGEN SYSTEM:</p> <p>The oxygen, vacuum and air systems in the vehicle shall be compatible with OHIO equipment unless otherwise specified.</p> <p>DUAL OXYGEN OUTLET:</p> <p>One (1) Amico AMIZTH0202 dual oxygen outlet shall be flush mounted within the Life Support Station panel. The distance from the primary patient to the Life Support Station shall not exceed 35" per the requirements of KKK-A-1822.</p> <p>CEILING MOUNTED OXYGEN OUTLET:</p> <p>An Amico AMIZTH0101 oxygen outlet shall be installed in the front ceiling raceway 88" off rear doors. The outlet shall be near flush in the ducted climate control center wire raceway and not protrude more than 1/2" below the ceiling panel.</p> <p>OXYGEN SHUT OFF SOLENOID:</p> <p>An Amico AMIZTH0120 electric powered oxygen shut off solenoid shall be installed and mounted on the output of the oxygen bottle regulator. It shall be controlled by a switch located at the rear Life Support Panel. The solenoid shall be approved for medical oxygen use and be equipped with a manual override valve (in the event the electric solenoid may fail to open the valve). An electrical rectifier shall be installed in the circuit to prevent voltage spikes from entering the electrical system.</p> <p>ELECTRIC SUCTION/ASPIRATION SYSTEM:</p> <p>The vehicle shall be equipped with a permanently installed Suction/Aspiration System. The system shall be equipped with a high volume Sscor electric suction pump certified for use in all states, with a 30 liter per minute flow rate. The pump shall be activated from a relay controlled circuit and switch, on the Rear Main switch panel. The pump shall be mounted in an enclosed compartment using rubber isolators to minimize any noise and vibration when in use. The pump shall be connected to an onboard collection bottle permanently attached to the counter near the primary patient. The connecting hose shall be fiber reinforced medical hose and loomed to prevent chafing. The entire system shall be tested and meet the criteria of KKK-A-1822. Test Documentation shall be available upon request. As with the oxygen delivery system all fittings and lines shall be accessible for inspection and service without the removal of cabinets or walls.</p> <p>SSCOR DISPOSABLE COLLECTION SYSTEM:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>Unless specified as elsewhere in spec, On Board suction shall be provided with a SSCOR disposable system. System shall include SSCOR wall mounted white faced injection molded regulator PN 23001, disposable Bemis 1200cc canister mounted in injection molded bracket PN 23003, secured by an onboard canister clip PN 230-00003.</p> <p>Collection Bottle location to be 11" to bottom of bracket.</p> <p>OXYGEN PRESSURE GAUGE, TANK PRESSURE:</p> <p>An oxygen pressure gauge; 2" analog dial for tank pressure shall be installed in the Life Support Station area of the vehicle. The gauge shall be full scale type for Medical oxygen use. It shall be connected to the main oxygen cylinder with a high pressure (3,000 PSI working pressure) Parflex flexible line with high pressure fittings. (Braided stainless steel not acceptable). The actual location of the gauge shall be determined by the selection of the upper storage cabinet.</p> <p>OXYGEN BOTTLE MOUNT, DUAL, UNIVERSAL MOUNT:</p> <p>The vehicle shall be equipped with (2) mounts for "M" or "H" oxygen cylinders in the oxygen storage compartment. The mounts shall be an SAE approved Ziamatic Model QR-MV, oxygen bottle retention system for an "M" or "H" size bottle. The mounting brackets each shall be securely bolted to two Uni-Strut tracks welded to the vehicle framework. The entire mounting system shall be tested to the requirements of SAE J3043 and AMD-003. Test Documentation shall be provided upon request. The use of mounting brackets other than Ziamatic brand is unacceptable.</p> <p>DUAL OXYGEN CYLINDER AUTO-FLIP SYSTEM:</p> <p>Oxygen System will be equipped with an automatic electrical switch over from Oxygen Tank 1 to Oxygen Tank 2 when Tank 1 reaches 250 lbs. pressure.</p> <p>DUAL OXYGEN MONITOR:</p> <p>The vehicle shall be equipped with a dual oxygen bottle contents monitor. The monitor shall consist of dual analog oxygen gauges with a two inch, 270 degree dial face. The gauges shall be connected to each oxygen supply tank and be connected at the high pressure inlet of the oxygen regulator. The system shall also include a system of visual and audible indication of contents. The panel shall have a green indicator light to indicate when bottle contents are above 250 PSI. It shall include a red indicator light and an audible alarm to indicate bottle contents below 250 PSI. The audible alarm will only activate once the second tank is below 250 PSI. The red indicator light shall be able to momentarily silence the audible alarm after the condition is brought to the attention of the ambulance attendant. The system shall be designed in such a way, as to reset the audible alarm if the condition is not corrected the very next time the vehicles master switch is engaged. The green indicator when depressed shall function as a means to test the system, when depressed all lights and alarms will function momentarily. The system shall utilize an analog gauge which indicates bottle contents whenever the main oxygen cylinder valve is in the on position. The electrical circuit shall be powered by an independent circuit breaker.</p> <p>Includes:</p> <ul style="list-style-type: none"> (1) Western PLC-9662 Regulator (the 2nd required, is line 30-60-4000) (1) Oxygen Solenoids (the 2nd required, is line 30-20-1000) (1) switch in LSS panel (1) High Pressure switch 		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>(2) Hoses to connect cylinders,</p> <p>(2) High pressure tank pressure gauges mounted in interior, labeled "A" and "B"</p> <p>(2) Indicator lights, labeled "A" and "B" to indicate which bottle is in use.</p> <p>* Includes the PL Dual O2 Monitor setup</p> <p>Oxygen Tank Size is: _____</p> <p>(example; M tank steel, M tank aluminum, H tank steel)</p> <p>This will allow the factory to preset the mounts for your customer.</p> <p>OXYGEN CYLINDER WRENCH:</p> <p>An oxygen cylinder wrench shall be permanently attached to the wall of the oxygen compartment in a custom wrench holder. There shall be a permanent lanyard attachment to both the wrench and the compartment, designed to prevent loss of the wrench.</p> <p>LARGE TANK OXYGEN REGULATOR:</p> <p>One (1) Model # PLC-9662 (Western), large tank oxygen bottle regulator shall be provided and installed.</p> <p>Manual Dual Cylinders, O2 setup</p> <p>(2) Tank Oxygen system, with proper piping and check valves for manual switching a 2, tank system.</p> <p>Customer would like manual valves to switch between their two main oxygen tanks.</p> <p>See Drawing Group H00845800-10, "Budget Manual 2-Cylinder Configuration" (one)</p> <p>O2 Regulator "standard" with all vehicles.</p> <p>includes one additional regulator for second line</p> <p>ELECTRICAL SYSTEMS</p> <p>Electrical 12 VDC, Classic-Series</p> <p>LIFETIME ELECTRICAL SYSTEM WARRANTY</p> <p>Manufacturer will warranty to original purchaser that the supplied electrical equipment as listed below are sound and free of all defects of both materials and workmanship, for the life of the vehicle or 100,000 miles whichever occurs first. This electrical equipment includes body door post switches, all wire terminals and crimps, main vehicle wiring harness and battery harness cables, relays, switches, automatic/manual reset circuit breakers, voltmeter, ammeter, battery disconnect switches, solenoids, all terminal strips, manufacturer installed electrical connections and power distribution panel. Warranty transferable subject to inspection by manufacturer. Bidder must include statement of warranty policy with bid.</p> <p>The Electrical System shall be warranted for the life of the unit, as long as the original purchaser shall own it.</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>ELECTRICAL 12 VOLT:</p> <p>The entire 12 volt Electrical System shall comply with the recommended standards and practices per FMVSS, Federal Specifications KKK-A-1822 & SAE where applicable.</p> <p>Electrical system provided by the ambulance Manufacturer shall have Lifetime Electrical Warranty.</p> <p>The entire 12 volt DC Electrical System shall incorporate GXL High Temperature Copper wire. Each wire shall be color coded with function imprinted every four inches for immediate identification. All exposed wiring shall be covered with Packard Flec or equal, black with gray stripe, convoluted loom with minimum of 300 degree F. Temperature rating. Loom with a lower temperature rating is cause for rejection. Large Heyco type or rubber insulators shall be used where wires pass through sheet metal or structural members. All circuits shall be protected with circuit breakers suitable to the circuit demand. Any wire carrying a load to an appliance in the 12 volt Electrical System shall be 16 gauge wire minimum.</p> <p>Electrical System shall consist of five main wiring harnesses which terminate at the Electrical Distribution Panel. Distribution Panel shall be centrally located with connections resulting through 45 pin Connectors. Harnesses shall include:</p> <ul style="list-style-type: none"> (1) Rear body, referred to as Harness #1 (standards: dome, fluorescent, floods, vent, compt. lights/ switches) (1) Rear body, referred to as Harness #2 (flashing lights, air compressors, cancel switches, options) (1) Rear switch panel, referred to as Harness #3 (1) Front console, referred to as Harness #4 (1) Cab/ chassis/ under-hood, referred to as Harness #6 <p>All Electrical components shall be mounted using a "plug in" type assembly which affords speedy replacement of failed components. The entire unit shall be housed in a readily accessible maintenance cabinet built into front wall of the personnel compartment. Attached to inside of door shall be complete documentation of 12 volt Electrical System. The use of exterior compartment mounted electrical distribution panel is unacceptable.</p> <p>The main power distribution panel shall consist of a plug-in modular system which includes locations for 42 plug-in circuit breakers and 60 plug-in relays, as standard equipment. This type of system is utilized to have standard circuit configuration while remaining totally flexible for custom circuits when required. All circuits shall consist of plug-in relays and plug-in circuit breakers only. The use of diodes, rectifiers, heat sinks, or other than automotive type relays is unacceptable.</p> <p>CIRCUIT BREAKERS:</p> <p>All circuit breakers 30 amp or less, shall be plug in Manual and or Auto Reset type. All circuits which require greater capacity shall utilize a Cooper Electric or equal 40 or 50 amp "MAXI-AMP" manual or auto reset circuit breaker, dependent on electrical application.</p> <p>RELAYS:</p> <p>Devices being switched with loads in excess of one (1) amp (12 watt) shall be accomplished through Potter & Brumfield or equal, 40 amp SPDT 12 volt automotive relay switching devices. All relays used in the panel shall be of the same type to insure complete compatibility and ease of re-placement. Relays shall be controlled through a ground signal from all switches, including door post switches. All relays shall be plugged into the modular panel assembly including the 70 amp power relays where required. All relay circuits utilizing the SPDT relays and SPST 70 amp relay shall include internal suppression to eliminate voltage spikes in the electrical system.</p> <p>GROUNDING:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue

Bidder
Complies

Yes No

All Modular Bodies shall be grounded to the vehicle chassis with two (2) 0 GA braided, tinned copper grounding straps. Circular copper conductors (battery cables) shall not be used. These ground straps meet requirements of both KKK-1822-F and Ford QVM Bulletin Q-18.

Each appliance (i.e. Lights, fans) shall be grounded to the body structure in close proximity to its location or by a ground harness as required. The ground shall be equivalent to its feed wire size and be minimized in length. Each ground attached directly to the vehicle structure shall use machine screws with star washers or ring terminals with serrated ring to insure a positive contact at all times.

All Body harnesses shall be contained within the body. Harnesses shall not run on the underside exterior of the body. Under hood harness shall be protected within high temperature convoluted loom. All connections exposed to the elements, or under hood, shall be made within "waterproof" heat shrink connections. This type of connection shall also be used on all heavy duty battery cables. All battery cables, both positive and ground shall be machine crimped and fully soldered prior to addition of waterproof heat shrink tubing. Any exposed connections not in heat shrink and battery connections not soldered shall be rejected.

All Electrical Systems shall include three (3) spare relays and spares of the correct size circuit breakers utilized, shall be mounted within the Electrical Distribution Panel.

12V - 110 VOLT CIRCUIT SCHEMATIC DOCUMENTATION:

All harnesses, relays, circuit breaker terminal junction points and circuits shall be drawn on individual 8 1/2 x 11 size drawings. Each individual circuit shall be on (1) drawing, for ease of troubleshooting. A single drawing overall schematic is unacceptable. All electrical systems shall be designed for each vehicle. Generic or similar drawings are cause for rejection of vehicle. All schematics shall include only what circuits are provided in the proposed vehicle.

ELECTRICAL ANALYSIS:

Proper balance of the electrical system output and vehicle draw is critical in the design of all emergency vehicles. Vehicle proposed shall be provided with a detailed electrical analysis generated by the manufacturer of the ambulance and specific to this proposed vehicle and specific electrical equipment requested. General statements will not be acceptable.

DOOR POST SWITCHES ENTRANCE AND COMPARTMENT DOORS:

Sealed door post switches shall be installed in all entrance and compartment doors. All switches shall be sealed from the elements to prevent moisture damage and to prolong service life. The switches shall be warranted for lifetime of vehicle. All door post switches shall activate the grounds of relays only. Under no circumstances shall the door post switch carry more than 140 milliamp of electrical current.

IGNITION ACTIVATED, MODULE DISCONNECT :

A high current disconnect device shall be installed per the requirements of KKK-A-1822 to power all ambulance vehicle conversion and modular body functions. The device shall be activated by the chassis ignition signal, and shall have a 5 minute off delay for module functions when the chassis ignition switch is turned off

FRONT AND REAR SWITCH PANEL EQUIPMENT AND SYSTEMS

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>VOLTMETER:</p> <p>A voltmeter with large LED numerical digits shall be installed in the front control console within easy view of driver. The voltmeter shall be circuit breaker protected. The voltmeter shall be tied to the battery side of the master disconnect switch to allow a constant reading on the voltmeter when the switch is off.</p> <p>LOW VOLTAGE ALARM:</p> <p>A Low Voltage System with a dual indicator light green/red shall be installed in the driver's console. The Green indicates voltage system is above 11.8 volts. The Red shall indicate when system voltage drops below 11.8 volts for more than 2 minutes and vehicle needs to reduce load. At that time an audible alarm will sound. The alarm will be provided with a cancel switch to momentary silence the alarm. The red light will remain on both the switch legend and the indicator until the system returns to 12.8 or above.</p> <p>SWITCHES:</p> <p>All switches shall be 12 volt two (2) or (3) position heavy duty Carling Contura V, Full size, Sealed Rocker switches. Each switch shall have an integral pilot light which shall activate in the "On" position, including the Horn/Siren switch. The only switches that shall not have a pilot light are momentary switches, where they are not available. No switch shall carry more than one (1) Amp of power, (12 watts).</p> <p>For ease of service and supporting a lifetime electrical warranty, all switches shall have a plug in connector on the bottom of the switch contacts.</p> <p>All switches shall be mounted in a custom designed one piece panel for each vehicle. The switch panel shall be backlit Light Emitting Diode lighting behind the individual switch legends. The switch panels shall be finished in a black matte finish. All custom legends shall be made of matte black Lexan inserts with translucent lettering to designate each function. When complete, the surface of the panel shall have a look of a homogeneous surface without the need for white legends which appear to be an added on feature. All switch circuits shall be designed for the life of the vehicle.</p> <p>BATTERY "ON" INDICATOR:</p> <p>A Master battery "On" indicator shall be installed on the driver's console of vehicle. The indicator shall be a minimum of 1/2" in diameter and glow whenever the batteries are connected to the system.</p> <p>DOOR OPEN INDICATOR LIGHT:</p> <p>A Red indicator light shall be installed in the drivers switch console to indicate that an entrance door is ajar. The light will activate whenever the master battery disconnect switch is activated and an entrance door is opened. The indicator shall be a minimum of 1/2" in diameter. The door open indicator shall be relay controlled and the door post switches shall activate the relay.</p> <p>COMPARTMENT OPEN INDICATOR LIGHT:</p> <p>An Amber indicator light shall be installed in the drivers switch console to indicate that a compartment door is ajar. The light will activate whenever the master battery disconnect switch is activated and a compartment door is opened. The indicator shall be a minimum of 1/2" in diameter. The compartment open indicators shall be relay controlled and the door post switches shall activate the relay.</p>		

Specifications for the Town of North Kingstown Type 1 Rescue		Bidder Complies	
		Yes	No
<p>AUDIBLE DOOR/COMPARTMENT OPEN ALARM:</p> <p>A high decibel, electronic beeper alarm shall be installed and activate, when a module entrance door or compartment door is opened. The alarm shall sound only when the vehicle is placed in drive or reverse and be independent of the door open/compartment open warning lights in the console. The warning lights shall activate anytime an entrance or compartment door is opened.</p> <p>PARKING BRAKE ALARM AND INDICATOR:</p> <p>The vehicle shall be equipped with a Dual-Mode alarm that will sound when the vehicles shift lever is in Neutral and the Parking Brake is not applied. Secondly the alarm will sound when the vehicle gear selector is in reverse or a forward drive gear and the Parking Brake is applied. The alarm shall include an indicator light in the drivers console and an audible alarm that will sound when the condition exists when the vehicle is in the run mode and when the emergency sequencer switch is on.</p> <p>BACK-UP ALARM WITH DISABLE SWITCH:</p> <p>An ECCO 610N with 97 dB rating back-up alarm shall be installed under the rear step area of the vehicle. The back-up alarm shall have encapsulated electronics and no exposed terminals- all connections shall be water tight. The back-up alarm shall be activated any time the vehicle is shifted into reverse gear. A relay controlled momentary cancel switch shall be installed in the drivers console to disable the back-up alarm when it may not be required. The circuitry shall be designed to allow the alarm to be reset automatically and function the very next time the vehicle is placed in reverse. On-Off type switch is not acceptable.</p> <p>LOAD MANAGER/ SEQUENCER:</p> <p>A combination Load Manager/Sequencer shall be installed in the driver's console. The Load Manager shall automatically shed load to maintain balance between alternator output and draw, by turning predetermined functions to the off position. The Load Manager shall include an override emergency bypass switch in the main electrical panel.</p> <p>The sequencer function turns the emergency lighting on, one at a time in a predetermined order, and turns them off in reverse order.</p> <p>A Rotary Switch located in switch position one of the front console enables the Load Manager and activates the Sequencer.</p> <p>RESPONSE AND SCENE AMPS CANNOT EXCEED 230 AMP</p> <p>FULL TIME Load Management of Emergency Lights</p> <p>SIDE ENTRANCE DOOR DOOR LOCK SWITCH:</p> <p>POWER</p> <p>A double throw momentary switch shall be provided inside the side door area near the load light cancel switch - above the fluorescent light timer, for activating the power lock/unlock function of the ambulance body entrance doors (and compartment doors when power feature is specified). Press up for lock, push down for unlock.</p>			

Specifications for the Town of North Kingstown Type 1 Rescue		Bidder Complies	
		Yes	No
<p>REAR ENTRANCE DOOR POWER DOOR LOCK SWITCH:</p> <p>A double throw momentary switch shall be provided on the left side near the load light cancel switch for activating the power lock/unlock function of the ambulance body entrance doors (and compartment doors when power feature is specified). Press up for lock, push down for unlock.</p> <p>RIGHT SIDE SCENE LIGHT, CONTROL:</p> <p>The right side scene lights of the vehicle shall be controlled by two modes. The first mode of operation is the right side scene lights shall function from the relay controlled circuit and lighted switch located in the driver's console. The second mode is the scene lights shall be activated when the right side entrance door is opened. All circuits shall be relay controlled. No load current shall pass through the door post switch.</p> <p>LEFT SIDE SCENE LIGHT, CONTROL:</p> <p>The left side scene lights of the vehicle shall function by the relay controlled circuit activated by the left scene lighted switch in the driver's console.</p> <p>REAR SCENE LIGHT SWITCH:</p> <p>The rear scene lights mounted on the rear of the vehicle shall be controlled "on/off" by a single pole lighted switch located in the driver's console. The rear scene light switch shall override both backup function and the scene lights "on" with the door open function, and shall not be affected by those circuits.</p> <p>Rear floods switch shall also activate reverse lights.</p> <p>"CHECK OUT" TIMER:</p> <p>A 60 minute mechanical timer shall be provided at the side door of the vehicle to control the ceiling lights.</p> <p>If Rectangular lights are selected, the timer will allow them to be turned to the on position when the vehicle exterior power source is connected and shall be powered by the vehicles 12 volt battery charger. The lights shall be controlled by an additional transfer relay to prevent the lights from discharging the vehicle batteries when the shoreline is not plugged in. The timer shall only function when the shoreline is plugged in, and will not function when the battery switch is activated.</p> <p>If there are only dome lights, the timer will allow all dome lights to be turned to the on to the "High" switch position when the vehicle 120 VAC exterior power source is connected and shall be powered by the vehicles 12 volt battery charger. The timer shall only function when the shoreline is plugged in, and will not function when the battery switch is activated.</p> <p>60 minute windup timer at side door, active with shoreline only</p> <p>REAR STEREO SPEAKERS:</p>			

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>Two (2) low profile, flush mounted, AM-FM Stereo Radio Speakers shall be installed in the ceiling in the forward portion of the vehicle. The speakers shall be spaced with other equipment provided, (1) each side. The speakers shall be connected to the stereo radio within the cab dashboard. A "Volume Control" rheostat shall be provided in the rear switch panel to allow speakers to operate independent of front speakers.</p> <p>CAB AND CHASSIS ELECTRICAL MODIFICATIONS</p> <p>WATERPROOF DEUTSCH TYPE CONNECTORS:</p> <p>Electrical connectors used on added circuits of less than 20 Amps under the chassis hood and the chassis fenders shall be high quality, waterproof Deutsch type. Unsealed connectors in these areas are unacceptable. Sockets and pins shall be machined type. Stamped contacts are unacceptable.</p> <p>** Gooseneck Light Not Included with Vehicle **</p> <p>ENTRANCE DOOR POWER DOOR LOCK SWITCHES:</p> <p>The power door lock mechanisms (if so equipped) shall be controlled by the OEM door switches</p> <p>ANTI-THEFT DEVISE</p> <p>One (1) Tremco Anti-Theft Device shall be installed. The Anti-Theft system will turn on automatically every time the vehicle shift lever is placed in the "park" position. The system shall not require a key or switch to activate, since quick departures are common in police vehicle procedures. With the engine running and the Anti-Theft system activated, the automatic transmission shift lever won't move out of the "park" position. The engine of a parked vehicle with the Anti-Theft system will be able to start, but the shift lever will not move out of the "park" position. The Anti-Theft system shall be deactivated by means of a not easily identifiable covert hidden floor switch system made of rubber material that has no electrical wires to sustain water damage. The Anti-Theft system must have a bypass switch to shut the system off.</p> <p>EMERGENCY WARNING SYSTEMS</p> <p>Opticom Model 76-1000-1157-0 - Emitter 2100 Dual IR/GPS shall be provided and installed. Location of control module shall be determined at the preconstruction meeting. Programming will be conducted by the North Kingstown Fire Department at the time of delivery.</p> <p>GTT P/N 76-1000-1157-0 Includes 2100 Radio GPS, Vehicle interface cable, and 794HM multimode emitter/ antenna</p> <p>Multimode emitter will be mounted to the underside of the condenser tray.</p> <p>HEADLIGHT WARNING SYSTEM</p> <p>SIREN WARNING SYSTEM</p> <p>ELECTRONIC SIREN, FEDERAL E-Q2B:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>A Federal Signal Corporation Model E-Q2B 200 watt Siren with digital output controller and removable noise cancelling microphone shall be provided and installed flush in the driver's console. The siren includes the following siren tones, Q-Wail, "Q" Brake, Yelp, PA, Radio Rebroadcast and Air horn. Siren shall be a remote siren amplifier and include self diagnostics to warn the driver about a potential problem with the siren.</p> <p>200 watt w/flush mount control head</p> <p>LIGHTED HORN/SIREN SWITCH:</p> <p>A switch shall be installed in the drivers console to select between OEM Horn ring function of the vehicle Horn or Horn ring activation of the Siren. The switch shall have a lighted indicator and control a SPST relay located within the electrical distribution cabinet. A relay controlled circuit is required to eliminate any potential voltage drop problems due to high amperage draw of the OEM Horns.</p> <p>SIREN SPEAKER SYSTEM</p> <p>FRONT LIGHTBAR WARNING EQUIPMENT</p> <p>REAR LIGHTBAR WARNING EQUIPMENT</p> <p>CAB MOUNTED WARNING LIGHTS</p> <p>BODY LIGHTING</p> <p>-No front Lightbar required-</p> <p>WHELEN DIRECTIONAL, AMBER ARROW LIGHTS, FRONT:</p> <p>The vehicle shall be equipped with a Whelen 600 Series Super-LED Amber Arrow lights with clear lenses.</p> <p>The vehicle shall include (2) Light assemblies located on the upper area of the front body.</p> <p>All lights shall include metalized flange chrome housing, designed for this fixture.</p> <p>VANNER ELECTRONIC FLASHER FOR BODY LIGHTS:</p> <p>An Electronic Flasher shall be installed to power all Body& Cab LED flashing lights. The flasher shall have (3) alternating outputs. The circuit shall be powered by an independent 50 Amp rated auto reset circuit breaker and the flasher shall contain internal short circuit protection. A primary /secondary switch will be installed. The flasher and flashing light system shall meet all the requirements of KKK-A-1822 KKK flash pattern. Primary is all warning lights on, secondary mode will shut down all lower level lights and center white on front of box.</p> <p>Flash pattern as per KKK-A-1822: All upper corners flash "A" Alternates with Center rear flash "B" Center front flash "C", off in secondary All lower level flash "C", off in secondary</p>		

Specifications for the Town of North Kingstown Type 1 Rescue		Bidder Complies	
		Yes	No
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHT, FRONT, UPPER LEFT:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the front, upper left portion of the body. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.</p>			
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHTS, FRONT UPPER LEFT:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the front, upper left portion of the body, and located inboard of the outermost flashing light. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be a horizontal split light, Red/ White with a clear lens cover.</p>			
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHTS, FRONT UPPER LEFT:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the front, upper left portion of the body, located just outboard of the center flashing light. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.</p>			
<p>WHELEN SUPER-LED FLASHING WARNING LIGHT, FRONT UPPER CENTER:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the front, upper center of the body. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be White with a clear lens cover.</p>			
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHTS, FRONT UPPER RIGHT:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the front, upper right portion of the body, located just outboard of the center flashing light. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.</p>			
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHTS, FRONT:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the front, upper right portion of the body, located inboard of the outermost flashing light. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be a horizontal split light, Red/ White with a clear lens cover.</p>			

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHTS, FRONT UPPER RIGHT:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the front, upper right portion of the body. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.</p>		
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHTS, UPPER LEFT SIDE, FORWARD:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the left side, upper left, forward portion of the body. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.</p>		
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHTS, UPPER LEFT SIDE, REARWARD:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the left side, upper left, aft portion of the body. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.</p>		
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHTS, UPPER RIGHT SIDE, FORWARD:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the right side, upper forward portion of the body. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.</p>		
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHTS, UPPER RIGHT SIDE, REARWARD:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the right side, upper aft portion of the body. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.</p>		
<p>**Whelen KKK, Rear Body Flashing Lights - CLEAR Lens</p>		
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHT, REAR, UPPER LEFT:</p> <p>The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the rear upper left portion of the body. All lights shall include metallized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.</p>		
<p>WHELEN LINEAR-LED FLASHING WARNING LIGHT, REAR, UPPER CENTER:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue

Bidder
Complies

Yes

No

The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the Rear, upper Center of the body. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Amber with a clear lens cover.

WHELEN LINEAR-LED FLASHING WARNING LIGHT, REAR, UPPER RIGHT:

The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the rear upper right portion of the body. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.

Rear Lights at Window Level

WHELEN LINEAR-LED FLASHING WARNING LIGHT, WINDOW LEVEL, REAR, LEFT PANEL:

The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the Rear left panel. The light is situated so when the back door is open, the light shall be visible through the upper portion of the door window. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.

WHELEN LINEAR-LED FLASHING WARNING LIGHT, WINDOW LEVEL, REAR, LEFT PANEL:

The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the Rear left panel. The light is situated so when the back door is open, the light shall be visible through the lower portion of the door window. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.

WHELEN LINEAR-LED FLASHING WARNING LIGHT, WINDOW LEVEL, REAR, RIGHT PANEL:

The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the Rear right panel. The light is situated so when the back door is open, the light shall be visible through the upper portion of the door window. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Red with a clear lens cover.

WHELEN LINEAR-LED FLASHING WARNING LIGHT, WINDOW LEVEL, REAR, RIGHT PANEL:

The vehicle shall be equipped with a Whelen 900 Series Linear Super-LED warning light. The vehicle shall include one (1) light assembly on the Rear right panel. The light is situated so when the back door is open, the light shall be visible through the lower portion of the door window. All lights shall include metalized flange chrome housing, designed for this fixture. The Light shall be Blue with a clear lens cover.

WELDON REAR, 16 LED, SCENE LIGHTS:

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>Two (2) Weldon 9x7, # V79S 16 LED Scene lights shall be installed above the rear entrance doors of the vehicle.</p> <p>The scene lights shall include metalized chrome flange housings specifically designed for each light. Cast aluminum housings are unacceptable.</p> <p>Lights at window level to flash in rapid "X" pattern</p> <p>Lights at window level to flash in rapid "X" pattern and to be wired/switched with lights over wheelwell labeled "rear flashers"</p> <p>SECONDARY BODY MOUNTED LIGHTS:</p> <p>The "secondary" body mounted lights, shall be considered any the warning lights that are placed below the horizontal plane of the "rear flashing lights at rear window level.</p> <p>WHELEN SPLIT LED FLASHING WARNING LIGHTS, OVER REAR WHEEL:</p> <p>The vehicle shall be equipped with Whelen 700 Series Split Liner Super-LED Combination flashing warning lights. Two (2) lights shall be provided, one over each rear wheel area.</p> <p>The color of the lights shall be split 1/2 Red/ 1/2 White w/clear outer lens.</p> <p>The lights shall incorporate integrated metalized flange chrome housing. Cast aluminum or other flanges are unacceptable.</p> <p>"COMETFLASH ALTERNATING"</p> <p>EXTERIOR VEHICLE LIGHTS AND EQUIPMENT</p> <p>LIGHTHEAD LENSES:</p> <p>Exterior vehicle Rear Stop/Tail & Turn light heads will have Color Lenses.</p> <p>WHELEN LED VEHICLE TAIL LIGHTS:</p> <p>The vehicle shall be equipped with two (2) Whelen 600 Series LED red stop/tail lights. The lights shall be located on the lower outboard corners of each side of the rear of the vehicle. The body shall be designed in such a way to eliminate the lights from being exposed to the elements from the backside.</p> <p>VEHICLE BACK-UP LIGHTS, MAX. INT.:</p>		

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Bidder
Complies

Yes No

The vehicle shall be equipped with two Whelen 600 Series Maximum Intensity LED rear backup lights, one each side on the inboard side of the lower panel. The lights shall operate any time the vehicle is placed in reverse. The light shall include integrated metalized chrome housing. The body shall be designed in such a way to eliminate the lights from being exposed to the elements from the backside.

WHELEN LED POPULATED AMBER DIRECTIONAL LIGHTS:

A pair of Whelen 600 Series LED amber arrow directional signal lights shall be installed on the rear of the vehicle directly above the stop/tail and back-up lights. The lights shall include integrated metalized chrome flange housing on each fixture.

MARKER/CLEARANCE LIGHTS:

Heavy Duty Lighting, LED, Mini Oval w/ Chrome Bezel, Marker and Clearance lights shall be installed on the front rear and both sides of the body to meet all Federal lighting requirements FMVSS 108.

LOWER FLASHING MARKER LIGHTS:

Two (2) Lower marker clearance lights shall be installed on each side at the belt line area of the vehicle, one front, and one rear. The lights shall be wired to the side directional lights and activate any time the vehicles directional switch is activated. The marker clearance light shall also include an integrated reflex reflector into the lens.

RUNNING BOARD ILLUMINATION LIGHTS, LED:

The vehicle shall be equipped with two four inch LED lights recessed into the front of the body at the level just above the cab running boards. The lights shall activate when the drivers or passenger side cab doors are open. The circuit shall be relay controlled and include an independent circuit breaker.

REAR EMERGENCY FLASHING LIGHTS, BRAKE LIGHTS:

The two (2) rear red flashing warning lights located at the rear, window level portion of the body, shall be activated whenever the vehicles service brake is applied and the red flashing warning lights are on. These lights shall be activated through a transfer relay circuit which under no circumstances shall they be powered by the vehicles stop lamp switch only. The stop lamp switch shall power the coil of the transfer relay only.

For use with Rear Window Level Lights

UNDER BODY GROUND LIGHTS:

The under carriage of the vehicle shall be illuminated by six, water resistant, Sealed LED Lights mounted to the underside of the vehicle. The lights shall be installed in an enclosed cast aluminum light housing with large drain holes to eliminate water and road debris. The lights shall be relay controlled by a single pole switch in the driver's console.

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	Yes	No
<p>Lights spaced three each side, two front of axle, one rear. Lights to operate with any entrance or compartment door open, when vehicle is shifted in reverse and with switch in drivers console.</p> <p>EXTERIOR 12 VOLT FLOOD LIGHTS</p> <p>WELDON LED SIDE SCENE LIGHTS:</p> <p>Two (2) Weldon 9x7, # V79S 16 LED Scene lights shall be installed on the left upper side of the vehicle.</p> <p>The scene lights shall include metalized chrome flange housings specifically designed for each light. Cast aluminum housings are unacceptable.</p> <p>WELDON LED SIDE SCENE LIGHTS:</p> <p>Two (2) Weldon 9x7, # V79S 16 LED Scene lights shall be installed on the right upper side of the vehicle.</p> <p>The scene lights shall include metalized chrome flange housings specifically designed for each light. Cast aluminum housings are unacceptable.</p> <p>SCENE LIGHTS ABOVE COMPT. "D":</p> <p>Scene light at Location RS2 to be moved from standard location (rear-side of Side Entrance Door) to front-side of Side Entrance Door and above Compartment "D".</p> <p>REAR SCENE LIGHTS:</p> <p>The rear scene lights shall automatically activate when the rear door is opened or when the vehicle is placed in reverse. All scene light circuits shall be relay controlled.</p> <p>RIGHT SIDE SCENE LIGHT CANCEL SWITCH:</p> <p>A right side scene light cancel switch shall be installed directly inside the side entrance door. The switch shall be mounted within the interior wall or cabinet. The switch shall be a single pole momentary switch. The circuit shall automatically turn off the right side scene lights and the step well light with a single touch of the switch. The circuit shall automatically re-arm itself the next time the side entrance door is opened. The circuit shall be relay controlled. The use of a manual canceling door post switch is unacceptable substitution.</p> <p>REAR SCENE LIGHT CANCEL SWITCH:</p> <p>A scene light cancel switch shall be installed directly inside the rear entrance door. The switch shall be mounted within the cabinet adjacent to the door. The switch shall be a single pole momentary switch. The circuit shall automatically turn off the flood lights with a single touch of the switch. The circuit shall automatically re-arm itself the next time the rear entrance doors are opened. The circuit shall be relay controlled. The use of a manual canceling door post switch is an unacceptable substitution.</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>REAR SIDE FLOOD LIGHTS:</p> <p>The left and right, rear side, flood lights shall activate when the vehicle is placed in reverse. The lights shall illuminate to provide better side illumination when backing up the vehicle during periods of darkness. The circuit shall be relay controlled, without the use of voltage reducing diodes or rectifiers. All flood and reverse circuits shall function independently when the vehicle is not in reverse.</p> <p>Hi-Viz 72" Flood light, front body mounted, black</p> <p>72" Brow Light, 59 LED 3 Piece Scene Light Location: front cove above the warning lights: L Shaped mounting brackets.</p> <p>Install a HiViz 72" Brow light on front of Box To be installed just below cove on front of Box To operate as a Flood only</p> <p>CLIMATE CONTROL SYSTEM:</p> <p>The Ambulance Climate Control System in the chassis, shall only function when the vehicle is in the run mode. This shall be done to reduce the electrical load on the vehicle when the engine is not running.</p> <p>FLOW-THRU VENTILATION:</p> <p>A high volume power exhaust ventilation system shall be installed on the left rear side panel of the vehicle. It shall consist of a 280 CFM, (2) speed blower motor, connected to a welded aluminum, transfer plenum. This plenum is directly connected to a set of dual closeable intake vents mounted in the face of the interior rear corner cabinet. On the exterior, a Cast Products polished aluminum cowl vent with an internal, rubber back flow flap shall be installed on the exterior of the modular body. The cowl vent shall be installed using an EPDM 40 to 60 durometer rubber gasket. Single speed blowers or blowers with resistor type speed control are unacceptable. Installations which produce excessive noise due to vibration shall be cause for rejection.</p> <p>AUXILIARY COOLANT PUMP CLIMATE CONTROL SYSTEM:</p> <p>A ProAir auxiliary coolant pump with brushless motor shall be installed to increase coolant flow to the rear heater core. The pump shall provide the required coolant flow to rear unit, while not reducing the effective coolant flow to the vehicle cab. A motorized hot water/coolant valve is part of this system to shut off the flow of hot water when not using heat. The pump and valve shall be controlled by the vehicle climate control system thermostat. The coolant pump and valve shall be located in a protected location in a body compartment and easily serviceable if required.</p> <p>DOMELIGHTING:</p> <p>Six (6) Whelen 80C0EHCR, Multiple-LED dome lights shall be equally spaced down both sides of the ceiling. Each light shall include the High/Low intensity feature. The lights shall be relay controlled and have a lighted double throw switch in the rear Life Support panel. All lights to be mounted to vehicle frame work, not to ceiling panel material.</p> <p>12 VOLT TECNIQ LED LIGHTS:</p>		

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Bidder
Complies

Yes

No

Four (4) 17", 42 LED fixtures shall be installed and equally spaced in between the (6) dome lights. The fixtures shall have reinforced housings with a plastic diffuser which locks in place. The lights shall be relay controlled and switched by a lighted single pole switch in the rear Life Support switch panel. All lights shall be mounted to the vehicle ceiling structural members and not to the ceiling panel material alone.

RETANGULAR LIGHTS ON TIMER CIRCUIT:

A timer shall be provided at the side door of the vehicle to allow the Rectangular lights to be turned to the on position when the vehicle exterior power source is connected and shall be powered by the vehicles 12 volt battery charger. The lights shall be controlled by an additional transfer relay to prevent the lights from discharging the vehicle batteries when the shoreline is not plugged in. The timer shall only function when the shoreline is plugged in, and will not function when the battery switch is activated.

INTERIOR AND COMPARTMENT UTILITY LIGHTING

DOME LIGHTS WITH DOOR OPEN:

The dome lights mounted in the ceiling of the vehicle shall be activated to the low intensity position when the personnel entrance doors are open. The circuit shall be relay controlled and the dome light current shall not be controlled by the door post switch.

EXTERIOR COMPARTMENT LED STRIP LIGHTING:

All exterior compartments shall be provided with TecNiq E44 LED adhesive backed strip lights. Each compartment shall have the lights installed on both the left and right vertical side of the compartment. Lights shall be mounted on angled brackets for maximum illumination into the compartment. The compartment lights shall be controlled by an automatic door post switch in each door. The compartment open indication light shall activate anytime any compartment door is opened. The door post switch shall activate the compartment lighting relays. The door post switch shall not carry the current of the compartment lights.

(Vertical Linear Lights)

SEPARATE SWITCHES FOR OXYGEN COMPARTMENT LIGHT

There shall be a separate, individual control switch in the vehicle to independently control the light within the oxygen compartment. The switch shall be located in the Rear Main Switch Panel.

LIFE SUPPORT STATION LED PANEL LIGHT:

An indirect light located above the Life Support Station counter shall be used to illuminate the action area. The light shall be a Heavy Duty LED panel light and be switched by a switch on the side of the light as well as from the rear main switch panel.

SEPARATE SWITCH FOR PANEL LIGHT (LIFE SUPPORT STATION AREA)

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>There shall be a separate, individual control switch in the vehicle to independently control the Panel Light in the Life Support Station area. The switch shall be located in the Rear Main Switch Panel.</p> <p>12 VOLT TECNIQ LED PATINET PROCEDURE LIGHTS:</p> <p>The ceiling of the ambulance shall be equipped with two (2) TecNiq 42 LED light fixtures, mounted in the ceiling wire raceway. The lights shall be located directly over the center position of the stretcher. The lights shall be controlled by a separate relay controlled circuit and switch in the rear switch panel.</p> <p>STEPWELL LIGHT:</p> <p>An independent, recessed LED step well light shall be provided in the rear side of the diamond plate step well and be automatically activated whenever the side entrance door is open. The exterior shall be protected from weather and damage. All connections shall be weatherproof, sealed connectors.</p> <p>DUAL DOME LIGHT SWITCHES:</p> <p>Per the requirements of KKK-A-1822, two independent dome light circuits with two independent switches shall be provided to control two banks of (3) dome lights each. The switches shall be marked in the Life Support panel as left dome light and right dome light. Each switch shall power the low mode of the fixtures independently.</p> <p>Rectangular Lights "Check-Out" Timer, Side Door, Momentary Switch, 10 Minute Hot</p> <p>A momentary switch shall activate a 10 minute timer. The timer will be "hot" at all times.</p> <p>12 VOLT UTILITY AND MEDICAL OUTLETS</p> <p>12 VOLT MEDICAL OUTLET:</p> <p>One (1) 12 volt Power Point outlet shall be provided. The outlet shall be circuit breaker protected and provide a source directly from the vehicle batteries, and bypass the vehicles master battery disconnect switch. The outlet shall be located at the Life Support Station.</p> <p>12 VOLT MEDICAL OUTLET:</p> <p>One (1) 12 volt Power Point outlet shall be provided. The outlet shall be circuit breaker protected and provide a source directly from the vehicle batteries, and bypass the vehicles master battery disconnect switch. The outlet shall be located in the right front in/out access compartment.</p> <p>12 VOLT MEDICAL OUTLET:</p> <p>One (1) 12 volt Power Point outlet shall be provided. The outlet shall be circuit breaker protected and provide a source directly from the vehicle batteries, and bypass the vehicles master battery disconnect switch. The outlet shall be located on the left rear wall of the vehicle.</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>Outlet mounted 14" above the rear counter</p> <p>12 VOLT MEDICAL OUTLET:</p> <p>One (1) 12 volt Power Point outlet shall be provided. The outlet shall be circuit breaker protected and provide a source directly from the vehicle batteries, and bypass the vehicles master battery disconnect switch.</p> <p>MEDICAL EQUIPMENT ISOLATOR:</p> <p>Per the requirements of KKK-A-1822, a low voltage drop, Shottky, Medical Isolator shall be installed to protect the medical equipment from loads imposed by the vehicle. Only heat sink mounted isolators shall be used. The use of medical isolators built into P.C. board type electrical systems, is an unacceptable substitution. (No Exceptions) P.C. Board or permanent type may require replacement of entire board to repair a problem with this medical equipment circuit.</p> <p>12VDC DUAL USB:</p> <p>One Kussmaul 091-219-5, Dual 12VDC/4.8 amp USB port shall be installed in specified location:</p> <p>For USB charging, Hot with body power or shoreline</p> <p>ANTENNA AND COMMUNICATION RADIO EQUIPMENT</p> <p>ANTENNA:</p> <p>A Coaxial Antenna lead shall be prewired from a location in the wire raceway to the location of the two-way communication radios.</p> <p>The antenna lead in the roof shall include a connector soldered to end of cable for install of two-way communication radio antenna.</p> <p>ANTENNA LEADS:</p> <p>An auxiliary antenna base, for use with and NMO type antenna, shall be installed on the cab. The antenna base shall be an model KHF UD THK25 and shall include 17.00 foot of RG58 U/G Dual shielded cable with no connector at the radio end of the cable. The antenna base shall be chassis builder supplied.</p> <p>Four (4) coaxial cable antenna lead with base and cap shall be installed; they shall be positioned within the body roof, in numerical order, as indicated by the associated PDF drawing file. They shall terminate behind Driver's Seat</p> <p>Factory will drill a hole, mount base and cap at antenna location(s) specified above.</p> <p>Antenna bases are installed with nominal height adjustment. Persons installing antenna whip may be required to perform final adjustment.</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>RADIO POWER LEAD:</p> <p>A 10 gauge constant power positive lead and 10 gauge ground shall be provided with 30 amp circuit protection located in the Rear Main Switch Panel.</p> <p>Includes: (1) Red 10 gauge marked radio 12 volt Hot, 30 amp, (1) Black 10 gauge marked radio ground, (1) Orange 12 gauge marked 12 volt switched, 20 amp.</p> <p>RADIO POWER LEADS:</p> <p>A 10 gauge constant power positive lead and 10 gauge ground shall be provided with 30 amp circuit protection.</p> <p>Includes: (1) 12 volt Hot wire with 30 amp circuit protection, (1) 12 volt switched wire with 20 amp circuit protection.</p> <p>RADIO POWER LEADS:</p> <p>An 8 gauge constant power positive lead and 8 gauge ground shall be provided with 40 amp circuit protection.</p> <p>Includes: (1) 12 volt Hot wire w/fuse holder & 40 amp fuse, (1) 12 volt switched wire w/fuse holder and 40 amp fuse.</p> <p>12 VOLT ELECTRICAL EQUIPMENT</p> <p>COLOR BACK-UP CAMERA / MONITOR SYSTEM:</p> <p>The vehicle shall be equipped with an ASA Voyager Backup Camera / Monitor with Audio System. The camera and monitor shall be capable of transmitting a full color display. The cameras shall be mounted on the back of the vehicle and include a waterproof switch for mirror or normal image. The camera shall be capable of 110 degrees of horizontal image and 90 degree of vertical image.</p> <p>The monitor shall replace the OEM rear view mirror and provide a high performance automotive grade 7" color LCD panel with built in audio speaker.</p> <p>The Back-up Camera system shall automatically activate every time the vehicle is shifted into the reverse gear provided the control switch is set to the standby mode. Continuous monitoring is provided when the control switch is set to the manual mode, and not dependent on the reverse gear selection.</p> <p>PORTABLE HANDLIGHTS</p> <p>Two (2) Streamlight ATEX Right - Angle Flashlight with rechargeable smart lithium 6.2 volt, 1.5 amp hour, 2 cell 18650 batteries, and 2.5 hour 12V DC Fast Charge shall be provided.</p> <p>The handlights shall be mounted in the B compartment 3-4" in from the front of the B compartment as close to</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>the ceiling as possible one forward and 1 rear in the compartment.</p> <p>A constant power positive and ground lead shall be provided.</p> <p>INTELLITEC CLOCK W/SWEEP SECOND HAND:</p> <p>An Intellitec digital clock with sweep second hand and elapsed timer shall be installed on the face of the angled 45 degree cabinet above the Life Support Station area. The clock shall be powered by a constant, protected, 12 volt source directly from the batteries.</p> <p>The clock shall have a 4-digit display to allow for easy viewing when seated in any position in the rear of the ambulance. The clock is 6.75 x 4.75 x 1.25 mounted in a 6" x 5" panel cut out using 4 screws.</p> <p>VOICE INTERCOM:</p> <p>A High Quality two station intercom system shall be installed in the vehicle. The master station shall be located in the ceiling of the cab accessible to both driver and passenger, include a standby, and talk position. The master station shall include an electrical volume control for monitoring the sub station. The sub-station shall be flush mounted in the rear switch panel.</p> <p>Model IC100 - 2 Station, 8W, surface mount</p> <p>The master station shall be loacted in the ceiling of the cab accessible to both driver and passsenger. The sub-station shall be flush mounted in the rear switch panel.</p> <p>VOICE INTERCOM SYSTEM SWITCH</p> <p>An On/OFF Switch shall be provided in front switch panel to enable the Intercom System.</p> <p>Switch located in front console.</p> <p>115 VOLT AC ELECTRICAL:</p> <p>The vehicle shall include a 115 volt AC Electrical system separate and distinct from the vehicles 12 volt electrical system.</p> <p>The entire system shall be designed and tested to meet the requirements of the NFPA National Electrical Code (NEC) where applicable and use the balance of the NEC for general practices and procedures associated with high voltage 115/230 volt AC Electrical wiring and devices.</p> <p>The vehicle shall also meet and be tested to all requirements of AMD standard 009. Test Documentation and verification shall be provided upon request.</p> <p>115 VOLT ELECTRICAL SCHEMATICS:</p>		

<div> <div>Specifications for the Town of North Kingstown Type 1 Rescue</div> </div>	Bidder Complies	
	Yes	No
<p>A complete wiring schematic shall be provided which indicates the systems entire 115 volt Electrical System. The schematic shall be done in the same format as the 12 volt wiring schematics and be provided upon delivery of the vehicle.</p> <p>115 VOLT WIRING:</p> <p>All wiring shall be three (3) conductors, 10 GA or 12 GA minimum stranded copper cable as required by the circuit requirements. All conductors shall have a 105 degree Celsius rated insulation, with tinned conductors rated at 600 volt. All cable wiring shall be encased in high temperature protective loom where exposed.</p> <p>KUSSMAUL "SUPER AUTO-EJECT" SHORELINE:</p> <p>A 20 Amp Kusssmaul "Super Auto-Eject" Shoreline Male Motor Base Model 091-55-20-120 shall be installed on the left side of the body over compartment "B". The Shoreline shall be waterproof type with spring loaded gasketed cover. The Shoreline shall be wired to the junction circuit breaker box located within the power distribution panel compartment. The Shoreline auto-eject solenoid shall be connected to the starter solenoid of the vehicle and only be activated when the key is in the start mode. The Shoreline shall be equipped with a matching female connector designed for use with the auto-eject shoreline and shipped loose with the vehicle.</p> <p>SHORELINE POWER / BATTERY CHARGER INDICATOR LIGHTS;</p> <p>Dual operation indicator lights shall be provided to indicate both live power of the shoreline and battery charger "charging". This shall be located at the shoreline input connector. The "Live Power Shoreline" indicator shall be a "rounded" 3/8" LED amber indicator and the "Battery Charger" indicator shall be a "rounded" 3/8" green LED. The 115 volt indicator shall indicate power has reached the interior outlets, not just the shoreline.</p> <p>Shoreline - Amber Indicator Battery Charger - Green Indicator</p> <p>115 VOLT POWER DISTRIBUTION BOX:</p> <p>A 115 volt power distribution box shall be installed in the vehicles main electrical cabinet. The distribution box shall consist of an enclosure with a 20 amp magnetic type circuit breaker installed. The circuit breaker shall power duplex receptacles also mounted within the distribution box. All wiring and circuits provided shall be sized for a 20 amp capacity, 12 gauge conductor minimum.</p> <p>115 VOLT OUTLETS INTERIOR:</p> <p>115 volt AC Duplex Electrical outlet shall be installed in the vehicle. The outlets shall be "Lighted" duplex type. The Neon light within the outlet shall glow when live power is at the outlet. All outlets within the vehicle shall be GFI protected. The location of the outlets shall be as follows, one (1) located on the back wall of the Life Support Station.</p> <p>115 VOLT OUTLET INTERIOR:</p> <p>115 volt AC Duplex Electrical outlet shall be installed in the vehicle. The outlets shall be "Lighted" hospital grade duplex type. The Neon light within the outlet shall glow when live power is at the outlet. All outlets</p>		
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Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>within the vehicle shall be GFCI protected. The location of the outlet shall be as follows, one (1) located on the left rear wall of the vehicle.</p> <p>Outlet mounted 14" above the rear counter</p> <p>115 VOLT OUTLET INTERIOR:</p> <p>115 volt AC Duplex Electrical outlet shall be installed in the vehicle. The outlets shall be "Lighted" hospital grade duplex type. The Neon light within the outlet shall glow when live power is at the outlet. All outlets within the vehicle shall be GFCI protected. The location of the outlet shall be as follows, one (1) located in the right front compartment.</p> <p>115 VOLT OUTLET INTERIOR:</p> <p>115 volt AC Duplex Electrical outlet shall be installed in the vehicle. The outlets shall be "Lighted" hospital grade duplex type. The Neon light within the outlet shall glow when live power is at the outlet. All outlets within the vehicle shall be GFI protected. The location of the outlet shall be as follows, one (1) located in the right front upper compartment.</p> <p>115 VOLT OUTLETS INTERIOR:</p> <p>115 volt AC Duplex Electrical outlet shall be installed in the vehicle. The outlets shall be "Lighted" duplex type. The Neon light within the outlet shall glow when live power is at the outlet. All outlets within the vehicle shall be GFI protected.</p> <p>BATTERY CHARGING EQUIPMENT</p> <p>1100 WATT INVERTER/ CHARGER</p> <p>A Vanner Model LSC12-1100 Pure Sine Wave Inverter/ Charger shall be installed in the rear electrical equipment cabinet of the vehicle. The inverter shall have a built in transfer switch to power equipment from both the shoreline or vehicle power. The Inverter will produce a pure sine wave, and will be capable of 1100 watts. The unit shall also include a 55 amp battery charger built into the unit.</p> <p>Deletes standard battery charger Deletes GFCI receptacle at LSS (GFCI is integral to inverter) Includes activation switch in rear switch panel (Standard Electric)) or Button on rear Vista Screen (VMUX Electric)</p> <p>VEHICLE PAINTING</p> <p>PAINTING PROCESS:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>The entire modular body shall be prepared and painted using the Akzo Nobel Sikkens Paint System. Sikkens products will be used exclusively, and the use of other incompatible products will be cause for rejection of the bidders' response.</p> <p>REQUIRED PAINT PROCEDURES:</p> <p><u>I. Surface Cleaning</u></p> <ol style="list-style-type: none"> 2. The vehicle module will be inspected for excess epoxy bonder, weld slag, and caulking. All such contaminants will be removed prior to prepping for paint. 3. The module will be surface cleaned with Sikkens OTO Degreaser utilizing the "2-Towel" method. One towel will be used to apply the product (saturate and scrub the surface area being cleaned), and one towel will be used to physically dry the area. All proper HS&E practices will be followed. 4. The surface cleaner will not be allowed to evaporate by working small areas. 5. Both towels will be replaced as they become dirty. 6. Inspect the module body during the cleaning process for any surface defects of irregularities. 7. The bottom of the module body, the doors, and door openings are to be sealed with a sealant/adhesive (SMT263) to fill all gaps and seams to protect against moisture being trapped, and to help protect against corrosion. <p><u>II. Polyester Repairs</u></p> <ol style="list-style-type: none"> 1. All areas requiring body work shall be ground down with 36 grit and feather edged with 80 grit DA. 2. All areas with body work shall be filled with Evercoat Z-grip body filler. 3. All body work shall be sanded with 80 grit and finished with 180 grit sandpaper. 4. Evercoat Eurosoft glazing putty is applied over any body filler to fill any pin holes and minor waves. 5. The glazing putty is to be finish sanded and feather edged with 180 grit sandpaper prior to paint. 6. Sand/abrade all areas that require the application of Sikkens High Build epoxy primer with 180 grit. 7. Thoroughly clean and degrease with Sikkens OTO Surface cleaner. 8. Apply Auto Prep Pre-Treatment Wipes to all bare metal or aluminum surfaces extending slightly into the polyester repaired areas and extending far enough on to the substrate to allow the LV260 epoxy primer to be applied inside the Auto Prep Pre-Treatment Wipe area. 9. All body work is to be primed with Sikkens High Build epoxy primer/surfacer, and final sanded with 320 grit sandpaper. 10. All edges of the module body, doors, and door openings are to be rounded for maximum paint mils. 11. All body work requires a Quality Assurance inspection to check for pin holes; gaps, scratches, and blemishes. All edges are to be rounded, and all sealant is to be sanded before epoxy primer application. 		
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Specifications for the Town of North Kingstown Type 1 Rescue

Bidder
Complies

Yes No

III. Surface Preparation --- Brightener Process

1. Fully rinse module with D.I. water.
2. Mix 35 Oz. Brightener to 500 oz D.I. water.
3. Apply Brightener solution from the top of the module working down while scrubbing with a brush to insure complete surface contact and mechanical cleaning.
4. Allow approximately 5 minutes dwell time on the surface.
5. Rinse thoroughly with D.I. water. Water must "sheet" cleanly over the aluminum surface. If required, repeat process.

IV. Surface Preparation --- Application of Gardobond 4707

1. Mix 300 milliliters of Gardobond 4707 to 2 gallons of D.I. water.
2. Apply Gardobond solution starting at the top of the module and working down using approved spray equipment while maintaining at least 50 % overlap application process.
3. Allow 5 minute dwell time on the surface.
4. Rinse thoroughly with D.I. water.
5. Blow off excess water with air blower concentrating on recessed areas and seams.
6. Blow off and bake dry in spray booth (140 degrees for 45 minutes), and recheck for residual water.
7. Tack and proceed with painting process.

V. Door Preparation

1. Follow same procedures as for exterior module body preparation.
2. Inner doors must be coated in designated areas with "cavity wax" after finish process has been completed.

VI. Surface Preparation for Small Repairs

1. Surface clean substrate utilizing Sikkens OTO surface cleaner as per recommended process.
2. Prepare surface using aluminum P-180 grit DA or 3M0774 Red scuff pads.
3. Final surface clean with Sikkens OTO Surface Cleaner as per recommended process.
4. Apply AutoPrep Pre-Treatment wipes as per recommended process utilizing a "double wipe" method with a 50-75% overlap.
5. Allow one minute dwell time for solution to react with base metal.
6. When completely flashed off, proceed with Sikkens High Build Surfacer Gray.
7. Do not apply any type of polyester products over AutoPrep Pre-Treatment Wipes.

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Bidder
Complies

Yes No

VII. E-Coat Application Process

1. Mix LV262 Primer EP at 3:1+5% ratio utilizing the #9 Sikkens measuring stick.
 - a. 3 parts LV262 Sealer
 - b. 1 part LV262 Hardener
 - c. 5% (of the A-component) reducer slow
2. Apply one single flowing coat while maintaining a 50 to 75% overlap and a distance of 6 to 8 inches.
3. Adjust fan pattern and atomizing air pressure to minimize texture and overspray.

VII. Undercoat Painting Process-LV 650 Sealer

1. Mix Autocoat LV 650 Sealer at 5:1:1 ratio utilizing the #23 Sikkens measuring stick.
 - a. 5 parts LV Sealer
 - b. 1 part LV 650 Hardener
 - c. 1 part LV 650 Reducers
2. Apply one single flowing coat while maintaining a 50 to 75% overlap and a distance of 6 to 8 inches.
3. Adjust fan pattern and atomizing air pressure to minimize texture and overspray.
4. Use SATA RP 1.0-1.1 equipment for best results.

IX. Auto Base Plus Color Mixing Process

1. Mix Auto Base Plus at 100:5 with LV 650 Hardener utilizing the #14 Sikkens measuring stick. Stir mixture completely.
2. Mix 100 parts of above combination with 80 parts Sikkens HP Reducers.
3. Solvent selection should be slow enough to provide good flow and melt in characteristics.

X. Application of Auto Base Plus Colors

1. For solid colors, apply 2 single coats allowing 5 to 7 minutes flash-off between each coat.
2. For metallic colors, apply 2 single coats at approximately 6 inches from the module allowing 5 to 7 minutes flash-off between each coat. Even out the metallic pattern an orientation coat after the second coat has flashed off completely.

XI. Autocoat LV651 Clear Coat Mixing Process

1. Mix Autocoat LV651 Clear Coat at a ratio of 4:1:1
 - d. 4 parts LV651 Clear
 - e. 1 parts LV650 Hardener
 - f. 1 parts LV650 Reducer
2. Once it is mixed, Autocoat LV651 Clear has a pot life of 1.5 hours at 70 degrees F.

XII. Application of Autocoat LV650 Clear Coat

1. Apply three full wet coats allowing a 5 to 10 minute flash off period between each coat.

Specifications for the Town of North Kingstown Type 1 Rescue

**Bidder
Complies**

Yes No

2. Adjust fan pattern and atomizing air pressure to minimize texture and overspray.

3. Force drying of Autocoat LV650 Clear

g. Allow 10 to 15 minute flash in booth after application of second coat.

h. Bake at 140F for 45 minutes.

i. Allow a 10 minute cool down in booth.

j. Air dry for approximately 8 hours at 70F prior to any polish or detailing.

XIII. Sikkens System Dry Film Build Requirements

1. High Build Surfacer Gray---2.0 to 2.7 mils per coat. (not included in total film build calculation)

2. E Coat---LV262 Primer EP---One coat at 1.0 to 1.5 mils per coat.

3. Primer Sealer---LV650---One coat at 1.0 to 1.4 mils per coat.

4. Base Coat--- Autobase Plus---Two to three coats at 0.3 to 0.4 mils per coat.

5. Clear Coat---LV651 Clear---Three coats at 0.9 to 1.1 mils per coat.

6. Total Dry Film Build System range---5.7 to 7.4 mils.

7. Total Dry Film Build System after detail/polish---4.7 to 6.4 mils.

PAINT CORROSION PROTECTION:

All exterior fastener locations that penetrate the paint on the modular body are to be treated with Electrolysis Corrosion Control (ECK). Every external fastener hole shall have ECK brushed into and around the hole for full coverage. The perimeter of the hole shall be covered with a minimum of .5 diameter of ECK. This is to protect the head of the fastener from touching the painted surface. All applications of ECK are to take place before component mounting. The fasteners that are included in this process are for the following components: Lights, Light Bars, Hinges, Diamond plate panels, Entrance and compartment door panels, Fuel fill, License plate holder, Shoreline, Vent Covers, Rain Gutters, Rub Rails, Fenderettes and Door Grabbers. Additional items that are mounted to the painted body will also be included. When an item is cut into the body causing an unpainted edge, the unpainted edge shall be completely coated with ECK prior to component mounting.

TEN YEAR PAINT WARRANTY

Manufacturer will warranty to original purchaser that the Paint is free from specific paint defects for 10 years from date the vehicle is delivered. Manufacturer will warranty 100% labor & materials for the following defects: coating system integrity, coating adhesion and UV related degradation. Gloss retention and color retention. Cracking or checking of the paint film. Delaminating from the substrate or intercoat. Manufacturer will warranty materials and labor to repair defects resulting from dissimilar metals and crevice corrosion for a period of 5 years, 60,000 miles from date of delivery. Bidder must include statement of warranty policy with bid.

PAINT ADHESION TESTING:

The manufacturer shall utilize a customized paint adhesion testing procedure to insure and verify that proper bonding of the coatings to the substrate surface, has taken place. This test is performed on an intentional, sacrificial test surface just prior to the final polish stage. The coatings are cross hatch cut down to the substrate

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Bidder
Complies

Yes No

on multiple areas of the test surface. An adhesion tape of Permacel 99 (or the equivalent) is bonded and then removed to verify the permanent bond of the coatings. Each test surface panel is dated, logged and saved. The performed adhesion test is designed to exceed the ASTM spec D 3359, "Standard Test Method for Measuring Adhesion by Tape Test".

MODULAR BODY PAINT COLOR:

The entire modular body will be Red. The paint code number for the required color will be specified further in this specification.

Provide Paint Code _____

CHASSIS CAB REPAINT:

The cab of the vehicle including the door jambs shall be repainted a single color .

Provide Paint Code _____

CAB PAINT COLOR :

The cab color will be the same as the modular body.

No Additional Paint Required

REFLECTIVE LETTERING:

The vehicle shall be provided with custom reflective lettering prior to the delivery of the unit.

12" WHITE REF # (X2) REWARD BODY

15" PL SUPPLIED SHIELDS WILL BE CUT INTO THE STRIPE ON CAB DOORS

REFLECTIVE VINYL BELTLINE STRIPING

VINYL BELTLINE STRIPE:

A 5" beltline stripe shall be applied to the sides and rear of the vehicle.

REFLECTIVE STRIPE COLOR:

The color of the reflective tape stripe shall be White.

VINYL STRIPE LAYOUT:

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>The vinyl stripe shall have kick up design incorporated into the stripe. The kick up will be located on the body.</p> <p>VINYL BELTLINE STRIPE LOCATION:</p> <p>The Vinyl beltline location will be as follows:</p> <p>Location:</p> <p>VINYL REFLECTIVE STRIPE:</p> <p>A 3/4" wide vinyl reflective stripe shall be installed on the entire length of the vehicle.</p> <p>white ref Location: 3/4" outboard of 5" stripe</p> <p>VINYL REFLECTIVE STRIPE ON ENTRANCE DOORS:</p> <p>A 3/4" wide vinyl reflective color stripe shall be installed on the outer perimeter edge, of the inner door pan on all (3) entrance doors.</p> <p>Reflective 3/4" Outline</p> <p>COLOR: Red</p> <p>VINYL REFLECTIVE STRIPE ON COMPARTMENT DOORS:</p> <p>A 3/4" wide vinyl reflective color stripe shall be installed on the outer perimeter edge, (inside) of (5) compartment doors.</p> <p>3/4" outline on the interior pan of all compartment doors</p> <p>COLOR: Red</p> <p>REFLEXITE REFLECTIVE 2-COLOR CHEVRON DESIGN ON REAR BODY, 6":</p> <p>A Reflexite, chevron stripe shall be installed on the rear body of the vehicles outside **flat panels only including the rear door(s). The applied materials shall be Reflexite V98 Reflective Sheeting.</p> <p>The two colors are V-98 for red and fluor green. Note: **does not include any curved surfaces, such as the coves, or door trim</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>PAINT REAR, SOLID PRIMARY COLOR:</p> <p>The rear portion of the body shall be painted the primary single solid color only.</p> <p>Note: With "Chevron" striping selected, the rear of the vehicle will be painted, the solid single, primary color. - (for Chevron application)-</p> <p>STAR OF LIFE, ROOF MOUNTED:</p> <p>A 32" Star of Life decal shall be center mounted on the body roof of the vehicle.</p> <p>RADIO TECHNICAL INSTALLATION:</p> <p>There shall be no technical radio installation provided by the ambulance manufacturer. Any radios or radio equipment mounted by the manufacturer will not be wired or connected.</p> <p>CHASSIS EQUIPMENT</p> <p>RUBBER MUD FLAPS:</p> <p>Rubber mud flaps shall be provided behind the rear wheels of the vehicle. They shall be Light Duty Truck type and bolted to the inner fender liners of the modular body, behind the rear tires.</p> <p>Hub and Lug Cover Aluminum Rims for 2012+ Dodge 4500/5500</p> <p>EQUIPMENT:</p> <p>The following equipment shall be provided with the vehicle at delivery;</p> <p>TECHNIMOUNT BRACKET PRO SERIES 35-HD MOUNTING SYSTEM:</p> <p>A Technimount Bracket Pro Series 35-HD Mounting System for LifePak 15 Monitors shall be provided and mounted per customer specification. This includes the 210-10-PC15 HD bracket and 100-20-UN base. Bracket will have black anodized finish. The bracket shall be mounted on the left rear counter top.</p> <p>Bracket shall meet SAE J3043 standard.</p> <p>TECHNIMOUNT SPACER PRO:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>A Technimount Spacer Pro 825-00-SPC100 shall be provided and mounted per customer specification.</p> <p>Bracket shall meet SAE J3043 standard.</p> <p>TECHNIMOUNT STRETCHER ARM AND MOUNTING BASE:</p> <p>Technimount Stretcher Safety Arm 500 Model w/ technimount Pro100-20-UN base shall be provided and shipped loosely.</p> <p>FEDERAL AMBULANCE SPECIFICATION, KKK-A-1822 Supplement:</p> <p>Supplemental for Compliance up to Revision "F".</p> <p>UPPER BODY RAIN GUTTERS - SIDES, FRONT, REAR (KKK PKG):</p> <p>Bright anodized aluminum J-Gutter Drip Rails shall be installed on the Street-side, Curb-side, Front, and Rear Body along the full length of the top edge extrusions of the upper body. Drip rails will not be installed along corner coves to allow each segment of drip rail to drain at either end.</p> <p>TIP-OUT TRASH BIN:</p> <p>A Tip-out trash bin shall be provided under the squad bench cabinet, forward of wheel well. It shall be custom built into the bench, provide a hinged tip-out door, and flush Southco Polished Stainless Steel latch to access a removable Rubbermaid plastic trash pail which is mounted to the door. Trash bin shall tip into aisle toward the center of the vehicle. The trash bin shall be designed to include an aluminum door laminated to match the interior cabinets. The trash bin shall be a totally self-contained unit and be sealed on all sides to contain its contents during transit.</p> <p>Part of KKK Package</p> <p>TIP-OUT SHARPS CONTAINER:</p> <p>A Tip-out Sharps Container shall be provided within the squad bench base cabinet. It shall be custom built into the squad bench and provide a hinged tip out door and flush Southco Polished Stainless Steel latch to access a disposable 8 qt. Sharps Container.</p> <p>Part of KKK Package Standard Location-Squad Bench aft of Wheel Well area</p> <p>KKK-A-1822 COMPLIANCE DECALS:</p>		

Specifications for the Town of North Kingstown Type 1 Rescue	Bidder Complies	
	Yes	No
<p>The ambulance shall be provided with the following decals which are required for compliance to KKK-A-1822 Federal Specifications:</p> <p>Three 6" "Ambulance", with block letters and reflective border: one each side and one on the rear of the body.</p> <p>One 4" mirrored "Ambulance", with block letters and reflective border, on the hood of the vehicle.</p> <p>Two 4" Star of Life decals on the hood: one each side.</p> <p>Two 12" Star of Life decals on the rear of the ambulance: one each side.</p> <p>Two 18" Star of Life decals: on the sides of the vehicle body.</p> <p>One 32" Star of Life decal: on the roof of the vehicle.</p> <p>Two "No Smoking Oxygen Equipped" signs: installed in the interior of the vehicle.</p> <p>Two (2) Amerex (5) lb. Fire Extinguishers, ABC shall be provided. Included will be (2) #861H (SAEJ3043 Compliant) Amerex mounting brackets.</p> <p>Shipped loose. Includes #861H Amerex Mounts</p> <p>PREP, CLEAN AND DETAIL VEHICLE:</p> <p>The New vehicle shall be cleaned and detailed both inside and out, for final delivery.</p> <p>ADDITIONAL EQUIPMENT:</p> <p>The following equipment shall be provided and mounted by the local vendor. Placement to be determined by the fire department.</p> <ol style="list-style-type: none"> One (1) Elevator Key Set equipped with 12 keys attached to a 5" jailer ring. Manufactured to conform with the majority of elevator manufacturer access keys. Keys are hard anodized in gold color plate to resist rust. One (1) 2.5 gallon pressurized water extinguisher with Fire Hooks Unlimited CAN HARNESS, Model #CH-312. One (1) Fire Hooks Unlimited Lock-Slot 8 (LS-8) Forcible Entry Flathead Axe and MAXXIMUS Forcible Entry Halligan Bar with a Irons Shoulder Strap model # ISS82. The Lock-Slot 8 features a drop forged head of high carbon steel, rockwell heat-treated, coated with anti-rust zinc plate, and a yellow triple strength fiberglass handle with a deer's hoof knurled bottom and a Thermo rubber grip. One (1) (NY) Roof Hook (RH), 5 foot, all-purpose head, aircraft steel shaft, chisel end, and celtex grip. 		
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Specifications for the Town of North Kingstown Type 1 Rescue

Bidder Complies

Yes	No
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