

# **"RFB – EMERGENCY MEDICAL AMBULANCE"**

SOLICITATION No.:23-0231-037

OPTION A: TYPE I AMBULANCE

AND/OR

OPTION B: TYPE III AMBULANCE



Berrien County Board of Commissioners  
ATTN: Brenda Ferrell, County Administrator  
201 North Davis Street, Room 198  
Nashville, GA 31639

July 13, 2023

11:00 A.M.

The owner reserves the right to select Option A, Option B or both in determining the lowest, responsive, and responsible bidder for this project.

# BERRIEN COUNTY BOARD OF COMMISSIONERS



201 North Davis Street, Room 198 ♦ Nashville, GA 31639  
Tel: 229-686-5421 ♦ Fax: 229-686-2785 ♦ [www.berriencountygeorgia.com](http://www.berriencountygeorgia.com)

## **Request for Bids (RFB)**

### **“EMERGENCY MEDICAL AMBULANCE”**

#### **BERRIEN COUNTY SOLICITATION # 23-0231-037**

#### **Option A: Type I Ambulance**

**and/or**

#### **Option B: Type III Ambulance**

The Berrien County Board of Commissioners requests sealed bids, good for 90 business days, for an:

**Option A: Type I Ambulance (and Equipment) and/or Option B: Type III Ambulance (and Equipment).**

It is clearly understood that the following are minimum specifications and are made in order to show the exact specifications of the service proposed. Each supplier must comply with all requirements for a regular bid as directed or required by this notice. Notice is hereby given to all suppliers that if their bids are defective or irregular, the same may be rejected immediately.

Prices quoted by supplier shall be firm prices, and not subject to increase during the schedule hereinafter set-forth and shall not include federal or state tax.

The owner reserves the right to select Option A, Option B or both in determining the lowest, responsive, and responsible bidder for this project. Berrien County reserves the right to reject any or all bids, to waive technicalities or informalities, and to accept any bid deemed in the best interest of Berrien County. Where two or more suppliers are deemed equal, the County reserves the right to make the award to one of the suppliers.

All responses, inquiries or correspondence relating or in reference to this schedule, exhibit, and other documentation by the supplier shall be properly identified as to supplier and will become the property of the county when received.

Bidders shall not contact any members, or employees, of the Berrien County Board of Commissioners or any Berrien County Elected Officer or employee of Berrien County Elected Officer, regarding this RFB, bid evaluation, or selection process from the time the RFB is issued until the time a notification of award is announced. Questions relating to this RFB must be submitted in writing to Brenda Ferrell, County Administrator at [brendaferrell@berriencountygeorgia.com](mailto:brendaferrell@berriencountygeorgia.com).

The deadline for submission of questions relating to this RFB shall be **11:00 am (local time), July 13, 2023**. All questions submitted in writing prior to the deadline will be compiled, answered in writing and posted to the website [www.berriencountygeorgia.com](http://www.berriencountygeorgia.com) as an addendum to the RFB and posted on the Georgia Procurement Registry.

Prospective bidders must obtain a bid package from the Berrien County Board of Commissioners via one of the following methods:

- on the county website: [www.berriencountygeorgia.com](http://www.berriencountygeorgia.com)
- in person at 201 North Davis Street, Room 198, Nashville, GA 31639
- on the Georgia Procurement Registry website: [www.ssl.doas.state.ga.us/gpr/](http://www.ssl.doas.state.ga.us/gpr/)

**Proposals must be submitted on the proposal form issued by Berrien County and contained in the bid package.**

Proposals must be received by **Thursday, July 13, 2023, at 11:00 a.m.** The proposals will be read at that time.

This is an invitation to bid, **NO EXCEPTIONS ALLOWED.**

LOCAL AND MINORITY OWNED/OPERATED AND/OR WOMEN OWNED/OPERATED BUSINESSES ARE ENCOURAGED TO SUBMIT PROPOSALS.

An original and one (1) copy of the bid must be submitted in a sealed envelope, addressed as below. Each sealed envelope containing a bid must be plainly marked on the outside with:

**“RFB – EMERGENCY MEDICAL AMBULANCE” & use the enclosed label “Submittal Requirement Form”**

If a bid is forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope and mailed to the address given below. The county will not be responsible for late mail deliveries and no bid will be accepted if received after the time stipulated by this RFB. No bid may be withdrawn or modified in any way after the deadline for RFB opening.

**FAILURE TO COMPLY WITH THE ABOVE INSTRUCTIONS WILL DISQUALIFY THE BID.**

**BIDS SHALL BE SUBMITTED TO:**

**Berrien County Board of Commissioners  
ATTN: Brenda Ferrell, County Administrator  
201 North Davis Street, Room 198  
Nashville, GA 31639**

Sealed bids will be accepted in the County Administrator’s Office, no later than **11:00 Am (local time), Thursday, July 13, 2023.** At this date and time, bids will be opened and read aloud in Room 198 of the Berrien County Commissioner’s Office, located at 201 North Davis Street, Nashville, GA 31639.

**The following dates and times apply to this RFB:**

Issue Request for Bid.....June 13, 2023  
Deadline for Questions..... June 27, 2023 (11:00 am local time)  
Bid Due Date.....July 13, 2023 (11:00 am local time)  
Bid Opening .....July 13, 2023 (11:00 am local time)

The following documents **MUST BE** included with your submittal (one original and one copy):

- Bid Form (included in the RFB – Pages 1-4 of Proposal Forms)
- Specification Requirement (Yes/No) Document (included in RFB)
- Manufacturer Specifications
- Descriptive Literature
- Warranty Statement

***Please advise us of the number of days from the date of order in which delivery can be expected.***

Payment will be made Net 10 Days from date of receipt of equipment. No monies will be paid up front with the order. Bidder agrees to render invoice electronically to Brenda Ferrell, County Administrator ([brendaferrell@berriencountygeorgia.com](mailto:brendaferrell@berriencountygeorgia.com)). Bidder agrees to accept the Berrien County Purchase Order Form to execute the actual purchase of equipment; no other contract document will be generated for the purchase.

## SECTION 1 – GENERAL NOTICE

Sealed proposals for (SOLICITATION No.: 23-0231-037):

### **EMERGENCY MEDICAL AMBULANCE:**

- **OPTION A: TYPE I AMBULANCE (& EQUIPMENT) and/or**
- **OPTION B: TYPE III AMBULANCE (& EQUIPMENT)**

will be received by the office of the Board of Commissioners of Berrien County, Georgia, up to the hour of **11:00 A.M. local time, on Thursday, July 13, 2023**, at which time and place they will be publicly opened and read aloud. Bidders are invited to be present.

This Bid is intended to provide vendors with a common, uniform set of specifications to assist them in the development of their Bids and to provide a uniform method for the Bidding agency to fairly evaluate Bids and subsequently select a vendor from which to purchase this Ambulance.

The following specification describes a new Ambulance that is expected to be acquired by the County. The specification describes the needs of this purchaser as far as chassis configuration and module body design. A state-of-the-art vehicle is required. Manufacturers that utilize prototype equipment will not be considered. The builder's manufacturing history shall be supported by documentation where applicable, and by the reference section within this specification. Please note that the following specifications represent minimum general terms or requirements. While it is not the intent of the county to preclude any qualified Bidder from submitting a proposal, it must be clear that any Bidder deviating in any substantial manner from these specifications will be rejected as being non-compliant.

Berrien County Board of Commissioners assumes no responsibility for conclusion or interpretations derived from the information presented in this Bid, or otherwise distributed or made available during this procurement process. In addition, the County will not be bound by or be responsible for any explanation, interpretation or conclusions of the Bid or any documents provided by the bidding agency other than those given in writing by the County through the issuance of addenda. In no event may a vendor rely on any oral statement by the County or its agents, advisors or consultants. It is the full responsibility of the vendor to thoroughly investigate the needs, requirements of the County not necessarily assumed in this Bid and to submit a Bid for:

## SECTION 2 – BID DOCUMENTS

Copies of the Proposal, Specifications, Plans (if required) and other document forms may be obtained from the office of the Berrien County Board of Commissioners. Bidders are required to examine the same and satisfy themselves that all requirements are fully understood. **It is highly recommended that bidders also personally inspect the location of the project upon which they are bidding.**

## SECTION 3 – BIDDING PROCEDURE

In responding to this Bid, vendors should follow the prescribed format and use the forms included, thus providing the County with data that is easily compared with data submitted by other vendors in order to fairly and objectively evaluate the proposal.

Bids shall be presented in a sealed envelope with the bid number (23-0231-037) and the name of the

company or firm submitting clearly marked on the outside of the envelope. **ONE (1) ORIGINAL (PAPER) AND ONE (1) COPY (PAPER) MUST BE SUBMITTED.** Bids will not be accepted verbally, by fax or email. All appropriate blanks shall be completed. Any interlineations, alteration, or erasure on the specification document shall be initialed by the signer of the bid. Bidder shall not change the proposal form nor make additional stipulations on the specification document. Any amplified or qualifying information shall be on the bidder's letterhead and firmly attached to the bid document. **Items in RED are requirements for bid consideration.**

**Bid prices shall be submitted on the Proposal Form included in the bid document.**

Each bid must be legibly printed in ink or by printer, include the full name, business address, and telephone number of the bidder and be signed in ink by the bidder.

A bid by a firm or organization other than a corporation must include the name and address of each member.

A bid by a corporation must be signed in the name of such corporation by a duly authorized official thereof.

No bidder shall submit more than one proposal nor submit two or more proposals under different names.

In order to be considered, the outside of the sealed envelope must be clearly marked with the offeror's name, address and phone number, the project number, name of the project for which the proposal is being submitted, and the bid opening date and time of Thursday, July 13, 2023, at 11:00 a.m. All proposals shall be delivered by a delivery service or in person to Berrien County Board of Commissioners, 201 North Davis Street, Room 198, Attn: County Administrator, Nashville, GA 31639, on or before the time and date prescribed above.

**For your convenience, please use the label on the enclosed "Submittal Requirement" page.**

**Bids received after the time and date established for receiving bids will be rejected.**

#### **SECTION 4 – ADDENDA**

Addenda are written instruments issued by the County prior to the date for receipt of bids which modify or interpret the specification document by addition, deletion, clarification, or correction.

Addenda will be mailed or delivered to all who are known by the County to have received a complete set of specification documents.

Copies of addenda will be posted on the county website, Georgia Procurement Registry and will also be available for inspection at the office of the County Manager.

No addendum will be issued later than forty-eight (48) hours prior to the date and time for receipt of bids, except an addendum withdrawing the invitation to bid or an addendum which includes postponement of the bid.

**Bidders shall ascertain prior to submitting their bid that they have received all addenda issued and they shall acknowledge receipt of addenda on the proposal form.**

## SECTION 5 – BIDDER’S REPRESENTATION

Each bidder by signing and submitting a bid, represents that the bidder has read and understands the specification documents and the bid has been made in accordance therewith.

Each bidder for services further represents that the bidder is familiar with the local conditions under which the work is to be done and has correlated the observations with the requirements of the bid documents.

**NON-COLLUSION AFFIDAVIT:** By submitting a proposal, the bidder represents and warrants that such bid is genuine and not a sham or collusion or made in the interest or in behalf of any person not therein named, and that the bidder has not directly or indirectly induced or solicited any other bidder to put in a sham bid, or any other firm, person or corporation to refrain from bidding and that the bidder has not in any manner sought by collusion to secure to that bidder any advantage over any other bidder.

**INTEREST OF:** By submitting a proposal, the bidder represents and warrants that neither a commissioner, administrator, manager, employee, nor any other person employed by BERRIEN COUNTY or in any other way connected with the county has, in any manner, an interest, either directly or indirectly, in the bid or in the contract which may be made under it, or in any expected profits to arise therefrom.

**CERTIFICATE OF INDEPENDENT PRICE DETERMINATION:** By signing and submitting this bid, the bidder certifies that the prices in this bid have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor; unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder prior to bid opening directly or indirectly to any other bidder or to any competitor; no attempt has been made, or will be made, by the bidder to induce any person or firm to submit, or not to submit, a bid for the purpose of restricting competition.

Various professions within the building industry are required by state law to be licensed. These professions include electricians, plumbers, conditioned air contractors, low voltage contractors, utility contractors, and certain residential and general contractors. Berrien County will be complying with state laws and board rules regarding licensure. **No bid or proposal for projects that require a licensed professional will be accepted from unlicensed persons.** In addition, the licensed contractor must be the prime contractor on the project. It is not permissible for an unlicensed individual/firm to subcontract with a licensed contractor. The validity of all licenses will be checked.

**SERVICE AND WARRANTY REPAIR:** Successful vendor must have a comprehensive ambulance service and repair facility to administrate warranty repair as needed. Vendor must have authorized factory trained service specialists and carry necessary inventory levels to affect prompt repair. Vendor shall have mobile service capabilities and provide them at no additional cost when practical and convenient. **NO EXCEPTIONS.** Bidders must list below their service facility and parts department profile to the purchaser.

## SECTION 6 – BIDDER’S SECURITY

BID BOND: Not required.

PERFORMANCE BOND: Not required.

## SECTION 7 – EQUAL OPPORTUNITY

Each bidder agrees that it shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, disability, national origin, age, or marital status. In the employment of persons, bidder shall take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to race, color, religion, sex, disability, national origin, age, or marital status.

## SECTION 8 – INDEMNIFICATION

The bidder shall indemnify and hold harmless the County, its members, its officers, and employees from and against all claims, damages, losses, and expenses, including, but not limited to attorney's fees arising out of or resulting from the performance of the contract, provided that any such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property other than goods, materials, and equipment furnished under this contract, including the loss of use resulting therefrom; is caused in whole or part by any negligent act or omission of the bidder, any subcontractor, or anyone directly or indirectly employed by any one of them or anyone for whose acts made by any of them may be liable, regardless of whether or not it is caused by a party indemnified hereunder.

In any and all claims against the County or its members, officers or employees by an employee of the bidder, any subcontractor, anyone directly or indirectly employed by any of them or by anyone for whose acts made by any of them may be liable, the indemnification obligation listed above shall not be limited in anyway by any limitation of the amount or type of damages, compensation, or benefits payable by or for the bidder or any subcontractor under worker's or workmen's compensation acts, disability benefit acts, or other employee benefit acts.

## SECTION 9 – WARRANTY

The successful supplier shall provide ambulance or rescue vehicle conversion, which coverage shall, at a minimum include:

- (A) A Limited Warranty on the ambulance conversion: Forty-Eight (48) months or 48,000 miles from date of original purchase.
- (B) Paint: Seven (7) years from date of original purchase
- (C) Electrical: Six (6) years or 72,000 miles from date of original purchase.
- (D) Modular Body Structural Integrity: Fifteen (15) years from date of original purchase.

Chassis: warranty on the chassis portion of the completed ambulance or rescue vehicle shall be the responsibility of the chassis manufacturer.

The manufacturer shall warrant to the original retail purchaser that, for the warranty period that the ambulance or rescue vehicle shall be free of substantial defects in materials and workmanship, which are attributable to Warrantor and which, arise during the course of normal use and service. **There shall be copies of the Warranty statements included with the proposal documents.**

By executing and submitting this proposal, the Proposer certifies that the Proposal is made without reference to any other proposal and without any agreement, understanding, collusion or combination with any other person in reference to such proposal.

## SUBMITTAL REQUIREMENT LABEL

Submittals must be properly labeled to ensure they are not inadvertently opened before the designated time. Affix the label below to the outside of the sealed submittal envelope or delivery package.

If this label is not used (i.e. in case of some delivery services), it is the bidder's responsibility to ensure that all required information (offeror's name, address and phone number, the project number, name of the project for which the proposal is being submitted, and the bid opening date and time) is on the **OUTSIDE** of the delivery package. Submissions that do not comply may be rejected.



FROM:

Company Name \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Bid/Proposal #: 23-0231-037

Bid/Proposal Name: EMERGENCY MEDICAL AMBULANCE

Bid Opening Date/Time: Thursday, July 13, 2023, 11:00 AM

TO:

BERRIEN COUNTY BOARD OF COMMISSIONERS

ATTN: COUNTY ADMINISTRATOR

201 NORTH DAVIS STREET

ROOM 198

NASHVILLE, GA 31639

**BID FORM****OPTION A: TYPE I AMBULANCE (& EQUIPMENT)**

Name of Vendor: \_\_\_\_\_

Street Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Contact Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_

We herewith submit as follows:

Ambulance Manufacturer: \_\_\_\_\_

Model Year: \_\_\_\_\_

Model Designation: \_\_\_\_\_

Estimated time to build in days from receipt of order: \_\_\_\_\_

Estimated delivery date if order is placed within 30 days of bid closing: \_\_\_\_\_(day) of \_\_\_\_\_(month), 20\_\_\_\_(year)

Addenda Acknowledgement: #1\_\_\_\_\_ #2\_\_\_\_\_ #3\_\_\_\_\_ #4\_\_\_\_\_ #5\_\_\_\_\_

I understand that failure to confirm the receipt of addendums/amendments is cause for rejection of bids.

Type I Ambulance	Delivered Price	Delivery in Calendar Days	Warranty Period
New Emergency Medical Ambulance & Equipment per attached specifications (Attach detailed explanation of any deviations to specifications)	\$_____ Each	_____ Days	_____
List of deviations attached: ____YES or ____NO	<b>Grand Total – (1) TYPE I Vehicle</b>	\$_____	<b>**Attach Warranty Statement</b>

The Bid shall be in the form of a firm price for the entire contract period. The Bid price shall include, and Contractor shall be responsible for: all costs and charges other than the Bid price, including without limitation storage, transportation / delivery, environmental fees, insurance, bonding, and all other costs. The County shall not be responsible for any charges or cost not set forth in Contractor's Bid documents. **IT IS AGREED BY THE UNDERSIGNED BIDDER THAT THE SIGNING AND DELIVERY OF THIS BID REPRESENTS THE BIDDER'S ACCEPTANCE OF THE TERMS AND CONDITIONS OF THE FOREGOING SPECIFICATIONS AND PROVISIONS, AND IF AWARDED THE BID BY THE COUNTY, WILL REPRESENT THE AGREEMENT BETWEEN THE PARTIES.** Sign in ink in the space provided below. UNSIGNED Bids will be considered incomplete and will be subject to rejection.

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME PRINTED: \_\_\_\_\_ TITLE: \_\_\_\_\_

**BID FORM****OPTION B: TYPE III AMBULANCE (& EQUIPMENT)**

Name of Vendor: \_\_\_\_\_

Street Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Contact Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_

We herewith submit as follows:

Ambulance Manufacturer: \_\_\_\_\_

Model Year: \_\_\_\_\_

Model Designation: \_\_\_\_\_

Estimated time to build in days from receipt of order: \_\_\_\_\_

Estimated delivery date if order is placed within 30 days of bid closing: \_\_\_\_\_(day) of \_\_\_\_\_(month), 20\_\_\_\_(year)

Addenda Acknowledgement: #1\_\_\_\_\_ #2\_\_\_\_\_ #3\_\_\_\_\_ #4\_\_\_\_\_ #5\_\_\_\_\_

I understand that failure to confirm the receipt of addendums/amendments is cause for rejection of bids.

Type I Ambulance	Delivered Price	Delivery in Calendar Days	Warranty Period
New Emergency Medical Ambulance & Equipment per attached specifications (Attach detailed explanation of any deviations to specifications)	\$_____ Each	_____ Days	_____
List of deviations attached: ____YES or ____NO	<b>Grand Total – (1) TYPE III Vehicle</b>	\$_____	<b>**Attach Warranty Statement</b>

The Bid shall be in the form of a firm price for the entire contract period. The Bid price shall include, and Contractor shall be responsible for: all costs and charges other than the Bid price, including without limitation storage, transportation / delivery, environmental fees, insurance, bonding, and all other costs. The County shall not be responsible for any charges or cost not set forth in Contractor's Bid documents. **IT IS AGREED BY THE UNDERSIGNED BIDDER THAT THE SIGNING AND DELIVERY OF THIS BID REPRESENTS THE BIDDER'S ACCEPTANCE OF THE TERMS AND CONDITIONS OF THE FOREGOING SPECIFICATIONS AND PROVISIONS, AND IF AWARDED THE BID BY THE COUNTY, WILL REPRESENT THE AGREEMENT BETWEEN THE PARTIES.** Sign in ink in the space provided below. UNSIGNED Bids will be considered incomplete and will be subject to rejection.

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME PRINTED: \_\_\_\_\_ TITLE: \_\_\_\_\_

*Berrien County RFB – Emergency Medical Ambulance*

The undersigned signatory for the bidder represents and warrants that he has full and complete authority to submit this proposal to the County and to enter into contract with Berrien County.

_____ COMPANY NAME		_____ BY (SIGNATURE)
_____ STREET ADDRESS or P. O. BOX		_____ (PRINT NAME)
_____ CITY, STATE	_____ ZIP CODE	_____ (TITLE)
_____ TELEPHONE NO.	_____ FAX NO.	_____ (DATE)
_____ EMPLOYERS FEDERAL I.D. NO or SOCIAL SECURITY NUMBER		_____ Email

The Bidder(s) whose signature(s) appears on this document, having personally appeared before me, and being duly sworn, deposes and says that the above statements are true and correct.

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Notary signature: \_\_\_\_\_

My commission expires: \_\_\_\_\_ (seal)

The Bidder proposes the following deviations from the Specifications and/or Drawings, which the Bidder represents and warrants as being fully equal or superior to the requirements of the Specifications and Drawings, for the reason(s) set forth fully below (attach additional sheets if necessary). If there are no deviations from the Specifications and/or Drawings, please state same.

EXCEPTION PAGE: \_\_\_\_\_ OF \_\_\_\_\_

[illegible]

## INSURANCE CLAUSE FOR ALL COUNTY CONTRACTS

The Contractor shall indemnify and hold harmless, to the fullest extent allowed by law, Berrien County, Georgia, its members, its officers and employees from and against all losses, claims, damages and expenses, including court-ordered attorney's fees, arising out of or resulting from the performance of the contract that results in bodily injury, sickness, disease, death or injury to or destruction of tangible property, including the loss of use resulting therefrom and is caused in whole or in part by the Contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable.

Contractor shall not commence work under this contract until he has obtained all insurance required under this Section and such insurance has been approved by BERRIEN COUNTY, nor shall the Contractor allow any subcontractor to commence work on his subcontract until all similar insurance required of the subcontractor has been so obtained and approved.

A. Workers' Compensation Insurance and Employer's Liability Insurance:

The Contractor shall take out and maintain during the life of this contract the applicable statutory Worker's Compensation Insurance, and in the case of any work sublet, the Contractor shall require the subcontractor similarly to provide statutory Worker's Compensation Insurance for the latter's employees. Coverage shall be provided by an insurance company authorized to write such insurance in all states where the Contractor will have employees located in the performance of this contract, and the Contractor shall require each of his subcontractors similarly to maintain Employer's Liability Insurance similarly to the Contractor.

Worker's Compensation – Required limits:

Coverage A – Coverage will include Statutory requirements

Coverage B – Employers Liability

\$100,000 Each Person

\$100,000 Each Person by Disease

\$500,000 Policy Limit – Disease

B. General Liability Insurance

1. The Contractor shall maintain during the life of this contract, Commercial General Liability Insurance, naming and protecting him and Berrien County against claims for damages resulting from (a) bodily injury, including wrongful death, and (b) property damage which may arise from operations under this contract whether such operations be by himself or by any subcontractor or anyone directly or indirectly employed by either of them. The insurance requirements are:

Commercial General Liability with limits of:

\$1,000,000 Each Occurrence

\$1,000,000 Personal Injury

\$2,000,000 Products/Completed Operations

\$2,000,000 General Aggregate

2. Coverage shall include Contractual Liability coverage insuring the contractual exposure as addressed in this contract.
3. There shall be no exclusion or limitation for the Explosion (X), Collapse (C) and Underground (U) hazards.
4. **Berrien County shall be named as Additional Insured.**
5. The Commercial General Liability coverage shall be endorsed with the Designated Construction Project(s) General Aggregate Limit endorsement.

C. Automobile Liability Insurance:

The Contractor shall take out and maintain during the life of the contract such Automobile Liability Insurance as shall protect him against claims for damages resulting from (a) bodily injury, including wrongful death, and (b) property damage which may arise from the operations of any owned, hired, or non-owned automobiles used by or for him in any capacity in connection with the carrying out of this contract. The minimum acceptable limits of liability to be provided by such Automobile Liability Insurance shall be as follows:

Bodily Injury and Property Damage \$1,000,000 Combined Single Limit

D. Builder's Risk Insurance:

***(For Building Construction Contracts Only)*** Unless otherwise specified where buildings are to be constructed under this contract, the Contractor shall provide coverage for all direct physical loss (also known as "Special Causes of Loss"). Such insurance shall be written on a Replacement Cost basis covering such building in the amount equal to one-hundred percent (100%) of the contract amount (minimum) as specified herein. Losses, if any, shall be made payable to BERRIEN COUNTY and Contractor as their interest may appear. A certificate of insurance evidencing such insurance coverage shall be filed with BERRIEN COUNTY by the time work on the building begins and such insurance shall be subjected to the approval of BERRIEN COUNTY.

E. Minimum Scope of Insurance:

All Liability Insurance policies shall be written on an "Occurrence" basis only. All insurance coverage is to be placed with insurers authorized to do business in the State of Georgia.

F. Certificate of Insurance:

All Certificates of Insurance shall be filed with BERRIEN COUNTY on the standard ACCORD CERTIFICATE OF INSURANCE form showing the specific limits of insurance, coverage modifications and endorsements required by the preceding Sections A, B, C, D and showing BERRIEN COUNTY as an additional insured where required. Such certificate shall specifically state that insurance policies are to be endorsed to require the insurer to provide BERRIEN COUNTY thirty days' notice of cancellation, non-renewal or any material reduction of insurance coverage.

***The original certificate shall be provided to the Berrien County Board of Commissioners as designated and mailed to: 201 North Davis Street, Room 198, Nashville, GA 31639***

# Type I Ambulance

## Specification Requirement Document

### SECTION 1 - GENERAL

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1		Material & Workmanship	<p>All equipment furnished shall be guaranteed to be new and of current manufacture, meet all requirements of this specification, and be in an operable condition at the time of delivery. All parts shall be of high-quality workmanship, shall be in production at the time of Bid, and no part or attachment shall be substituted or applied contrary to the manufacturer's recommendations and standard practices.</p> <p>All workmanship shall be of quality and performed in a professional manner so as to insure a safe and functional apparatus with an aesthetic appearance.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Pre-Construction Conference	<p>There shall be a required pre-construction conference at the successful Bidder's manufacturer's facility before any construction can begin.</p> <p>NOTE: The pre-construction conference meeting shall be conducted at the "primary builder", of the ambulance. No meeting shall take place at the dealership's place of business. This is the only method that will be the only acceptable way to conduct the pre-construction meeting.</p> <p><b>NO EXCEPTIONS.</b></p> <p>A minimum of 1 (maximum of 3) department personnel along with a representative or dealer of the successful Bidder shall attend.</p> <p>At this meeting both parties shall again go over the specifications to ensure the ambulance is built to meet or exceed all requirements.</p> <p>After this meeting the representative of the successful Bidder shall present the department with detailed drawings and a work order to be used in the production of the ambulance being Bid.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Pre-Delivery Inspection (Final)	<p>There shall be a pre-delivery inspection trip at the factory of the successful Bidder. The inspection trip shall consist of a minimum of 1 (maximum of 3) members from the County along with the representative of the successful Bidder, to ensure compliance with all specifications.</p> <p>NOTE: All expenses relating to the Pre-Construction and Final inspection trips shall be at the cost of the successful Bidder and be at no cost to the Department. This is to include all meals and lodging while at the inspection along with travel allowances (commercial round trip coach air flight. Private plane is not acceptable), for up to 3 representatives for any factory that is over (250) miles from the Buying Authority.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		One Month Service Call	<p>After the vehicle has been in service for approximately one month, the successful vendor shall send trained "FACTORY" employed personnel to the County, for a service and warranty review.</p> <p>The Factory technician shall check all operating systems and repair or replace any items found defective or in need of re-work.</p> <p>However, should a problem occur before the one-month service call, the County will require immediate service from the FACTORY technician, at the Departments location. NO EXCEPTIONS</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Drawings	<p>There shall be provided with your Bid package, a detailed set of scaled computer drawings. These drawings must be for this particular unit that the County has specified, not a standard manufacturer drawing. Also, the County is not seeking, nor will they accept a stamped utility body or a bent aluminum style body.</p> <p>The County is looking for an aluminum extruded body that will give them the best long-term value for their investment.</p> <p>These drawings must show all the options and equipment to mount on the apparatus and shall include both front and rear views, both sides, roof, slide outs, interior showing both side walls, front wall and rear wall and shall show all required equipment mounted in the designated compartments. NO EXCEPTIONS</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1		General Vehicle Design, Type & Floor Plan	The ambulance and the equipment furnished under this specification shall be the manufacturer's current commercial vehicle of the type and class specified. The ambulance shall be complete with the operating accessories as specified herein and furnished with such modifications and attachments as may be necessary or specified to enable the vehicle to function reliably and efficiently in sustained operation. The design of the vehicle and the specified equipment shall permit accessibility for servicing, replacement, and adjustment of components parts and accessories with minimum disturbance to other components and systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Technical Requirements Cab/Chassis	The ambulance shall be a Type I, Class I, and shall have a chassis furnished with a two-door cab-chassis, 4x2. The cab-chassis shall be suitable for subsequent mounting of a modular (containerized) transferable equipped ambulance body conforming to the requirements specified herein.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Chassis Description	Chevrolet 3500 new stock, diesel engine The cab-chassis shall be suitable for subsequent mounting of a modular (containerized) transferable equipped ambulance body conforming to the requirements specified herein. All-Season Radial Tires – Highway Spare Tire and Wheel – Full Size Ambulance Package Engine Block Heater (wired to Shoreline) Dual Heavy-Duty Maintenance Free Batteries Fuel Tank, 40 Gallon minimum Cruise Control / Tilt Steering Wheel	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Liquid Springs Suspension	Rear of chassis will have liquid springs suspension installed with a switch on rear entry door to allow for manually lowering the rear of the unit.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Locks	Power Door Locks with Remote Keyless Entry to include all Modular body compartment and entry doors with Exterior waterproof hidden door unlock switch installed in the front grill area.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Tow Hooks	Front and Rear Tow Hooks to be attached to frame.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Windows	Cab- Driver and passenger side window shall be electric and be tinted to 32 %	<input type="checkbox"/> YES <input type="checkbox"/> NO
4		Keys & Remotes	4 OEM Keys and remotes	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Front Bumper	Ranch Hand – Legend Series with Ranch Hand Grille Guard or comparable bumper and grill guard	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		DEF	DEF fill tube should be mounted to come through the module in front of left rear tire. The vehicle shall be equipped with a cast aluminum DEF fluid fill bezel.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Paint	Chassis and module shall be painted to match the existing fleet. All lettering will be reflective on chassis and module and designed to match the existing fleet.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4		Wheel/Rim Appearance	All four outside chassis wheels shall be covered in polished stainless steel wheel simulators. The wheel simulator design shall not affect tire and wheel balance when the vehicle is driven between zero and eighty miles per hour. The lugs shall be capped off with bright stainless steel, snap on caps designed to cover wrench marks, normally left on the lug nuts.	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1		Tire Valve Extenders	One pair of tire valve extenders shall be supplied and installed for each inside rear wheel. The tire valve extenders shall permit the user to check tire pressure and fill the inside rear tires without removing the outer tire. The extenders shall have a braided stainless steel outer jacket to resist abrasions and cuts. The filler end shall be supported by a valve bracket.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Running Boards	The running boards shall be finished with bright aluminum diamond plate. Boards shall include nonmetallic spacers to prevent trapping of dirt and water between the running boards and the body cab. Design of the running boards shall incorporate a splash shield to protect the front of the modular body from the wheel wash. All running boards shall be gusseted and provide brackets to prevent flexing, sagging and damage. The Running board will have 5 equally spaced 1 inch drain holes starting at the front of the running board and ending at the rear inside corner to allow water and debris to pass through. Running board installation to conform to chassis manufacturer's recommendation.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Heat Shield	To further insulate and protect the patient compartment the ambulance manufacturer shall install 18-gauge galvanized steel below the subfloor material to act as a heat shield. The heat shield shall have waterproof insulation laminated to it shall be installed directly to the bottom of the floor tubes. This will create a sandwich style construction to further insulate the patient floor from the muffler and exhaust.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Front Control Console	RAM Mount console. A powder-coated aluminum floor mounted console shall be installed on the floor of the cab between the driver's and passenger's seats. The console shall include an angled face to accommodate all controls and switches to operate all necessary emergency or mission critical functions. The lower portion of the console shall consist of a flat area that shall contain cup holders and blanks for additional equipment. The console face plates shall be removable for accessibility and serviceability. The Console System is to be SAE J3043 Ambulance Equipment Mount Device or Systems compliant.	<input type="checkbox"/> YES <input type="checkbox"/> NO

## SECTION 2 – MODULE CONVERSION BODY CONSTRUCTION

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	OVERVIEW	The dimensions of the patient module shall be in accordance with manufacturer's specifications with minimum dimensions of (Specify dimensions) 149" in length, 96" in width, and 72" headroom. There shall be a bulkhead separating the cab and patient compartment that allows for a pass-through area. The ambulance body shall be constructed of custom designed aluminum extrusions and aluminum plate. The ambulance body shall be designed and engineered specifically as an emergency vehicle and shall be built to meet the heavy-duty requirements of emergency service. The body shall be of welded construction for maximum strength and integrity for the entire life of the ambulance. All exterior compartments shall be separate and individual components and no two compartments shall share a common wall.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Interior Headroom	There shall be a minimum of 72" inch of interior headroom provided inside the patient area of the module. It shall be free of obstructions for the occupant's safety and shall meet or exceed all transportation and regulatory requirements.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Body to Chassis Mounting	Steel surfaces that will come into contact with aluminum floor structure components are to be covered with PVC tape to prevent contact between the dissimilar metals. At the floor structure is to be bolted in place with not less than twelve (10) 1/2" Grade 5 T-head bolts Any chassis frame extension that supports the module should have an overlap of a minimum of 6 inches over the OEM chassis and be secured with a continuous weld and/or bolts to reinforce the frame extension.	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Vehicle Lower Rub Rail	The lower rub rail shall be of an anodized aluminum "C" channel that is 2" wide x 3" high. The "C" channel shall have a recessed section that will have reflective Red/white striping applied. The extruded rub rails shall be installed on lower sides of the modular body using stainless steel fasteners and rubber spacers between the rail and body.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Vapor Barrier	To further insulate and protect the patient compartment the ambulance manufacturer shall install an aluminum vapor barrier. A 0.63 aluminum sheet shall be installed directly between the flooring and the floor tubes. This will create a sandwich style construction to further insulate the patient floor from heat generated by the muffler and exhaust system. The entire underside of the modular body shall be sealed.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Corner Protectors	The lower rear corners of the body shall have approximately 12 ½" high, .0125 aluminum diamond plate rolled around the corners radius and terminate at the rear kick plate area. The top edge of each stone guard shall be sealed to prevent moisture and debris from collecting behind the guards.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Compartment Construction	All exterior compartments shall be constructed of smooth aluminum plate. All corners and seams shall be completely welded to prevent outside elements from entering the compartment. Each compartment shall be fully finished with protective coating. This material shall have excellent abrasion resistance as well as a high non-skid rating.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Door Construction	The lower 1/2 shall be covered with Red/White Reflective chevron striping. All door screws and bolts will have thread locker applied (ex: Red Loctite).	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Drip Rail	Every compartment door opening shall have a built-in integral drip rail.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Locking Door Handles	All exterior compartment doors (compartment or patient entry) shall have a chrome plated locking handle(s) with neoprene gasket on the exterior. The entry doors will have locking inside release with automated locking and unlocking which is interfaced with the door lock system on the chassis so when the vehicle is locked or unlocked the entry doors on the compartment are activated simultaneously. The handle shall be large and easy enough to use. The assembly shall include factory installed gasket, water resistant, and blind mounting brackets for security and appearance. Handle(s) will be connected to the latching mechanism by threaded rods.  All compartment door locks will be wired to operate with OEM locks and remotes.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Door Latching Hardware	All module doors, compartment and entry, shall utilize two (2) rotary style latches per door leaf, closing onto two (2) "Nader" striker pins with capped heads and adjustable cage nuts. Construction using other latching methods, striker pins without capped ends, or single striker pins are NOT acceptable.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Stainless Steel Door Hinges	There shall be provided a stainless-steel continuous hinge on each of the exterior doors. The hinges shall extend the full length of the door and shall contain a stainless-steel pin. All hinges shall be bolted to the door and door frame using stainless steel bolts for easy removal if damaged. The hinge shall be separated from the door and frame by a Mylar strip which shall act as a corrosion barrier.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3	Each	Door Windows	3 Sliding windows. The patient compartment side entry door shall have a window. The windows shall be centered in the door and approximately 6" down from the top of the door. The dark tinted window shall be capable of opening via a sliding section of the glass. The sliding section must be positively latched when in the closed position to prevent it from being opened from the outside. It must also include a sliding screen section to cover the opening. The patient compartment rear entry doors shall each have a window. Windows shall be centered in the door and approximately 6" down from the top of the door. The dark tinted window shall be capable of opening via a sliding section of the glass. The sliding section must be positively latched when in the closed position to prevent it from being opened from the outside. It must also include a sliding screen section to cover the opening	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Door Spring Door Checks	There shall be provided a door spring opener and closer on each exterior compartment and side entry door. The door spring shall be bolted to the door using a fabricated spring hold bracket. The door spring hold back shall operate on a '50/50 principle': if the door is partially opened, it shall close or if the door is over halfway open, the door will open fully.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Rear Door Holders	There shall be provided two (2) cast aluminum door grabbers installed on the rear entry doors. The cast grabbers shall consist of two parts: a loop and receiver. The loop shall be installed on the upper portion of the rear entry door. The corresponding receiver shall be installed on the rear wall. When the rear doors are opened, the door grabbers shall securely hold the doors open.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Module & Entry Door Insulation	The modular ambulance body shall be insulated with a material that is non-flammable with a Class A, Class 1 fire rating. It shall be certified to meet the smoke and flammability requirements of FMVSS 302. The exposed walls of the exterior compartments and wheel wells that intrude into the interior of the modular shall be covered with reflective insulating material with a value of R-14.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Side Entry Step Well	There shall be provided inside the module side entry door, a step well utilizing two steps. The two-step well shall be fabricated using heavy-duty aluminum diamond plate. The step well shall be approximately 32 inches in width x 20 inches in depth. The step platforms shall be a minimum 9 inches deep and the steps approximately 7 inches in height. The step well shall come completed with a LED light that automatically activated upon opening of the curb door.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Electric Step on Side Entry	Electric step shall be installed under the curbside entry door with switch mounted within 1 foot of door to switch step off or to operate when door is opened.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Fenders	A black rear fender flair shall be installed around the rear wheel well openings. They will be installed so as not to interfere with tire rotation, movement, or replacement. A layer of butyl self-sealing tape will be applied between the fender flares and the body panels for corrosion protection.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Rear Bumper	<p>The rear components must be fully welded and coated with automotive waterbased undercoating to prevent rust, and then bolted to the OEM frame rails. The middle portion of the bumper assembly (approximately 48" wide) shall incorporate a fold up section of aluminum grip strut material. The hinge must be stainless steel and installed so that the step folds toward the body to facilitate stretcher loading.</p> <p><b>NOTE:</b> The bottom must be closed off on the flip up section, leaving sides open for drainage. The rear bumper shall meet the requirements set forth in the AMD Standard 018-Rear Step and Bumper Test. The bumper shall be able to accommodate a 500 lbs. load with maximum deflection of 1" and no more than 1/4-inch permanent deformation.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Cab to Patient Compartment Pass Through	A pass-through opening with Plexiglas window shall be framed into the front wall. It shall have a head bumper for occupant safety and shall coincide with an opening of equal size framed into the back wall of the chassis-cab. The space between the cab and module shall be sealed by the installation of a flexible rubber "accordion" style enclosure. Inflatable or rigid seals are not acceptable.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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### SECTION 3 – EXTERIOR COMPARTMENTS

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Street Side – Forward	Shall be located on the street side, forward of the ambulance body. Compartment shall measure approximately 72" high x 20" wide x 22" deep and shall be "sweep-out" style. Compartment shall have a single, vertically hinged door. The compartment shall be designed to house either an "M" or "H" size medical oxygen cylinder and shall contain an approved oxygen cylinder retention system. The oxygen retention system floor plate will be supported so the weight of the cylinder will not allow the floor plate to bend down weakening the integrity of the retention system. There shall be proved access to this compartment from within the patient compartment through a hinged access door located in the Action Area adjacent to the Attendant's Seat.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Street Side - Intermediate	Shall be located on the street side, forward of the rear wheel area and aft of the street side forward compartment. Compartment shall measure approximately 40" high x 30" wide x 20" deep and shall be "sweep-out" style. Compartment shall have a single, vertically hinged door. There shall be provided one (1) adjustable shelf and house customer specified inverter.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Street Side - Rear	Shall be located on the street side aft of the rear wheels. Compartment shall measure approximately 42" high x 40" wide x 20" deep and shall be "sweep-out" style. There shall be provided one (1) adjustable shelf. Compartment must have adjustable nylon web tie-down strap(s) with seat belt style connectors will be installed in the compartment(s) to secure stair chair. The strap shall be secured to the compartment wall(s) with two (2) footmans loops or similar.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Curb Side – Forward	Shall be located on the curb side, forward of the side patient compartment entry door. Compartment shall open into the Right Front ALS Cabinet and shall provide a pass-through opening approximately 55" high x 18" wide. Compartment shall have a single, vertically hinged door. There shall be provided two (2) adjustable shelves.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Curb Side – Rear Forward	Shall be located on the curb side, aft of the rear wheels. Compartment shall measure approximately 20" high x 24" wide x 16" deep and shall be "sweep-out" style. Compartment shall have a single, vertically hinged door.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Curb Side - Rear	Shall be located on the curb side, aft of the rear wheels. Compartment shall measure approximately 72" high x 16" wide x 20" deep and shall be "sweep-out" style. Compartment shall have a single, vertically hinged door. Compartment shall have one (2) vertical divider. Compartment shall have straps with velcro or clips to secure equipment upright on both sides of divider Independently of each other.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Door Sill Protection	There shall be formed brushed aluminum protection plates compartment door sill protection for all exterior compartments. The protector shall be affixed with heavy-duty double side tape to the top surface of the doorsills and extend over the radius edge.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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## SECTION 4 – PATIENT COMPARTMENT INTERIOR MODULE

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	Construction Requirements	In general, the interior of this ambulance shall incorporate features to mitigate injuries to passengers caused by sudden hard braking or accident impact. Exposed edges shall be protected by radius or chamfer trim and, where possible, corners shall be rounded with radius trim. All devices and equipment will be mounted as flush as possible with its surrounding surface. Padding shall be installed in areas where features may obstruct head movement as attendants work within the patient compartment.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Interior Patient Compartment Layout	The patient compartment cabinets shall be identified as: LEFT WALL – Cabinets on the left or street side of the patient compartment. SQUAD BENCH – Cabinets on the right or curb side of the patient compartment. FRONT or BULKHEAD – Cabinets on the front bulkhead of the patient compartment. The exterior color of the cabinets shall be determined during the Pre-Construction Conference. The interior of each cabinet shall be white.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Auxiliary Heater	110 volt auxiliary heater mounted above action area wired to shore line power.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Cabinet Doors	All cabinets along the street and curb side of the vehicle shall have a mitered framed, sliding transparent (clear) Plexiglas door assembly.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Left Wall Cabinet	The left wall cabinet shall contain the forward Action-Area and rear Telemetry-Area. The cabinet shall be divided into multiple storage areas, which shall be maximized for equipment and supply storage.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Action Area / Telemetry Area	The Action-Area and Telemetry-Area shall have a storage tray constructed of solid-surface material such as STARON or CORIAN. This surface should be continuous without a CPR seat. A cardiac monitor mount for a PHYSIO CONTROL LIFEPAK 15 monitor will be installed in the telemetry area..	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Left Wall Cabinet	The left wall cabinet shall contain the forward Action-Area and rear Telemetry-Area. The cabinet shall be divided into multiple storage areas, which shall be maximized for equipment and supply storage.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Squad Bench Cabinet	The squad bench cabinet shall be on the curb side of the vehicle and shall run from the side entry door to the rear of the patient interior. There shall be provided a fixed backrest(s) and hinged cushion with storage underneath. The cushion shall have a gas-strut type hold-open device that will automatically hold the cushion in either the open or closed position. Seating positions one and two shall be equipped with 6-point seat belt harnesses. Three [3] sets of retractable seat belts shall be installed on the face of the squad bench to restrain a patient on a secondary stretcher or spine board.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Sharps / Waste Disposal	Trash can should be draw style slide out under bench. No sharps container (we will mount after delivery). A vinyl biohazard sticker shall be applied to the door in accordance with OSHA regulations	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Upper Squad Bench Cabinet	A cabinet shall be located over the squad bench at the ceiling level, rearward of the entry/egress door opening. This cabinet shall be divided into three (3) separate sections. The cabinet shall be finished in the same material as the rest of the interior cabinets.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Seat Cushion Attachment	To assist in cleaning and/or disinfecting, all seat cushions shall be attached to seat bases using Velcro or 3M Dual-Lock fastening systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	Compliance
1	Each	Right Front / Bulkhead Cabinet	<p>A designated ALS cabinet shall be located on the front bulkhead adjacent to the side entry door. The cabinet shall be accessible from both the patient compartment as well as through the curb side forward compartment door. It will have 2 shelves capable of being set to different heights. There will be two doors with plexiglass centers. The upper portion of the cabinet shall be sized for storing a drug bag, medication box, or jump bag. This portion will not be accessible from the exterior. There will be a solid cabinet door with a stainless-steel hinge across the top running the full length of the door. The door shall have a gas-strut type hold-open device that will automatically hold the door in either the open or closed position. a coded lock securement device will be installed on the door.</p> <ol style="list-style-type: none"> <li><b>1. Portable Suction:</b> Laerdal's portable suction unit (LSU) (Laerdal Item # 78002001) with 12-volt wall mount charging bracket (Laerdal Item #782600 mounted and wired to units electrical system</li> <li><b>2. Stryker Lucas:</b> Lucas v3.1 Chest Compression System, Includes Hard Shell Case, Slim Back Plate, (2) Patient Straps, (1) Stabilization Strap, (2) Suction Cups, (1) Rechargeable Battery</li> </ol> <p><u>Stryker Item #</u>      <u>Item/Description</u></p> <p>99576-000063      LUCAS 3      v3.1 Chest Compression System Includes: Hard Shell Case Slim Back Plate (2) Patient Straps (1) Stabilization Strap, (2) Suction Cups (1) Rechargeable Battery and Instructions for use With Each Device</p> <p>11576-000071      LUCAS External Power Supply</p> <p>11576-000080      LUCAS 3 Battery</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Glove Box Cabinet(s)	<p>A cabinet shall be built and installed above the side entry door to house three (3) boxes of disposal gloves. The cabinet shall have a single, clear Plexiglas door with three oval cutouts to allow gloves to be removed without opening the door. A cabinet shall be built and installed on the wall adjacent to the squad bench to house three (3) boxes of disposal gloves. The cabinet shall have a single, clear Plexiglas door with three oval cutouts to allow gloves to be removed without opening the door.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Grab Bar Above Cot	<p>Two (2) 1.25" diameter x 72" yellow grab bars shall be provided and securely fastened to the ceiling over the primary cot and over squad bench. The grab rails shall be fastened with bolts, washers and nuts of the appropriate dimension, through the interior ceiling panel and through the .090" aluminum accessory plate welded into the roof structure.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Grab Bar at Patient Compartment Doors	<p>1.25" diameter yellow grab bars shall be provided and securely fastened to the interior on both sides of side entry door and on each side of rear entry doors. The grab rails shall be fastened with bolts, washers and nuts of the appropriate dimension.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Upholstery	<p>All vinyl upholstery shall be vacuum or heat-formed seating, applied over high density foam. For seat cushions, the foam must be 2.5" thick. For back and head rests, it shall be 2" thick. To reduce the possibility of blood-borne pathogens contaminating the upholstery, all seat cushions, back, arm, head rests and header pads shall be vacuum formed seamless design.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	Padded Trim	<p>To mitigate injury to passengers, trim pieces consisting of aluminum covered with 1/2" high density foam and wrapped with heavy-duty vinyl to match seating upholstery will be installed:</p> <ol style="list-style-type: none"> <li>1. At the vertical outside corner of the cabinet forward of the attendant seat</li> <li>2. At the upper horizontal and vertical corners above the action area</li> <li>3. At the upper horizontal and vertical corners above the defibrillator shelf</li> </ol>	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Floor	An aluminum sub-floor shall be installed over the floor structural tubing. A non-wood, PVC flooring will be installed above the aluminum sub-flooring. The composite flooring shall consist fully of PVC. The PVC floor shall be lightweight, have less than 1% water absorption, be rot, insect, mold, mildew and algae resistant.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Floor Covering	There shall be provided a heavy-duty commercial grade vinyl floor covering the interior patient compartment. The floor covering shall be Lon plate II heavy-duty safety vinyl. The floor covering shall be constructed of multiple layers composed of polyvinyl chloride (PVC) resin, plasticizers, fillers and pigments. The co-calendar wear layer shall be formulated to provide maximum resistance to foot traffic and most commercial and healthcare chemicals. The middle layer shall provide dimensional stability, sound-absorbing properties and resiliency under foot. The flooring material shall be coved or otherwise roll-up both the left wall and squad bench cabinets approximately 4".	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Rear Threshold	There shall be a heavy-duty aluminum anodized threshold protector installed on the rear interior of the body. The protectors shall run the entire width of the floor at the door opening.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Ceiling Headliner	The patient compartment headliner shall be constructed of durable, white glossy fiberglass material. The headliner shall be securely affixed to the roof bows. There shall be a full-length inspection access/wire race in the center of the ceiling, which provides access to the wiring harness and antenna bases/leads. The access shall have a removable padded vinyl cover and also troughs built in for LED strip lighting.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Attendant's Seat	A rear-facing, high back attendant seat shall be located at the head end of the primary cot. The material shall be sixty (60) ounce vacuumed formed, seamless vinyl compliant with OSHA regulations for easy removal of blood-borne pathogens. The seat shall be mounted on a powered coated black two (2) – position swivel base with the ability to lock in the forward and rear facing positions and shall be securely bolted through the subfloor structure. The seat shall incorporate a built-in Child Safety Seat equipped with a five (5) – point harness. An integrated three (3) – point, retractable adult lap/shoulder ALS seat belt shall also be provided.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Cot & Fastener System	<p>A Stryker power load and compatible Stryker Power cot will be provided and installed in accordance with the manufacturers' recommendations. NO EXCEPTION.</p> <ol style="list-style-type: none"> <li>1. Stryker MTS Power load (including floor plate) (Stryker Item # 63900555001)</li> <li>2. Stryker Power Pro XT Cot 6507 Power Pro 2 (Stryker Item # 650705550002)</li> </ol>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Portable Oxygen Bracket	Portable O2 Bracket Kit - D Cylinder - Mounted Portable oxygen tank holder that is KKK and NFPA compliant, mounted by manufacturer.	<input type="checkbox"/> YES <input type="checkbox"/> NO
All entry doors on module must have electric locks that are wired to operate with OEM locks and remotes.				

## SECTION 5 – ELECTRICAL COMPONENTS

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	Electrical System	The ambulance electrical system shall be an electronic plug-and-play style system with a printed circuit board.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Wiring Installation	The ambulance body and accessory electrical equipment shall be served by circuit(s) separate and distinct from the vehicle chassis circuits. All wiring provided by the ambulance manufacturer shall be copper and conform to all the SAE J1292 requirements and shall have type GXL "cross linked" high temperature polyethylene or better insulation rated to 300 degrees Fahrenheit and conforming to SAE J1127 and J1128. Wiring shall be permanently color coded to identify wires. Wires shall be permanently heat ink embossed with both number and function codes. The function code shall be the "descriptive" name of the circuit served. The number code shall be the exact purpose of that circuit. This number code shall be completely referenced in a detailed wiring schematic provided with the vehicle. The function and number code shall be embossed at a minimum of 4" intervals the entire length of the wire. Wiring shall be routed in conduit or high temperature looms with a rating of 300 degrees Fahrenheit where necessary to protect it. All added wiring shall be located in accessible, enclosed, and protected locations and kept at least six inches away from the exhaust system components. Electrical wiring and components shall not terminate in the oxygen storage compartment except for the compartment light, and door switch. Wiring necessarily passing through an oxygen compartment shall be routed in rigid conduit. All conduits, looms, and wiring shall be secured to the body or frame with insulated metal cable straps to prevent sagging and movement which results in chafing, pinching, snagging or any other damage. All apertures on the vehicle shall be properly grommited and sealed for passing wiring and conform to SAE 1292. All items used for protecting or securing the wiring shall be appropriate for the specific application and be standard automotive, aircraft, marine or electronic hardware.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Wiring Criteria	All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated to carry at least 125% of the maximum ampere load for which the circuit is protected. There shall be a master electrical component panel located in the ambulance. It is preferred that this panel be mounted on or near the bulkhead of the patient compartment. Standard circuit breakers, relays, and diodes shall be mounted on a printed circuit panel and shall be easily accessible through a door or hatch. All components on the circuit board are to be permanently labeled as to their function.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Voltmeter	Shall be the chassis OEM voltmeter.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Low Voltage Monitoring System	There shall be installed, as an integral function of the ambulance conversion main power board, circuitry that continually monitors electrical system voltage. This system shall activate an audible alarm warning to indicate that the system voltage has fallen. An alarm silent switch shall be located on the front console	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Ignition Controlled Module Disconnect Solenoid	An ignition-controlled module disconnect shall be installed into the control panel of the module acting as a module power disconnect when the ignition power is off.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Patient Compartment Control Console	All switches and controls for the patient compartment, shall be located in the Action-Area. These switches shall be of the same design and construction as found in the driver's control console. These switches shall not be activated unless the "MASTER" switch in the is in ON. A master switch will be located in the front control console and the patient compartment control console.	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	Warning Indicators	The electrical system shall incorporate a warning light panel in the driver's console. It shall provide indicator lights for showing: patient compartment door(s), side and rear, are open. This shall be a flashing RED light. There shall be an exterior compartment "door-open" warning light. This shall be a flashing AMBER light of the same size. All door warning indicators shall have an audible warning in addition to lights.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Radio	Two (2) Motorola XPR5550e 45 Watt VHF Mobile Radio, Include Remote Mount Head, Microphone, Power Cable and Mount (one mounted in cab and one in the rear) with (2) HAD4008 Thick Roof Mount Coax w/ NMO and VHF Element Both antennae's to be mounted on top of module. To include Magnetic Mic Holder for both radios.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Sierra Wireless Antennae	White in color Sierra Wireless Antennae (6-in-1 Dome 5G) (2 x 5G/LTE 617-6000MHz (MiMo) + GNSS + 3 x Wi-Fi 2.4/5GHz) compatible with MG-90 series mounted on Module roof, terminated in module under pass-through window, antennae's to be mounted on top of module.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Internal 12-Volt Power Source	The patient compartment shall be furnished with a 12-volt DC, 20 ampere capacity, separately protected circuit, with one (1) cigar lighter style outlet located in the curb side right front ALS cabinet and one (1) in the Action-Area. This circuit shall also include a "Schottky" diode to isolate medical equipment batteries from any electrical loads imposed by the remainder of the vehicle electrical systems. The Schottky diode shall be heat-sink mounted and having an inverse voltage rating of at least 45 volts and rated to carry the maximum short circuit current until the circuit breaker opens.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	120-Volt AC Utility Power	The vehicle shall be furnished with a 2-wire plus ground 120-volt AC wiring system that is separate and distinct from the vehicle's DC wiring system(s). Listing shall be by a nationally recognized testing laboratory, recognized by OSHA under Appendix A to 29 CFR 1910.7. The AC system is to be utilized while the vehicle is stationary for powering maintenance devices, medical equipment and battery chargers. The AC system shall not be utilized for operational ambulance interior lighting, such as dome and cot lights.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Utility Power Connector	An automatic power line disconnect system shall be furnished for the vehicle shoreline. The outlet shall be located on the street side forward of the vehicle. The disconnect mechanism shall be sealed to prevent contamination by road dirt and to ensure a long and reliable life. To eliminate arcing at the connector contact, a novel internal contact arrangement will close and open the 120-volt A.C. circuit after the mating connector is inserted and before the connector is removed. The disconnect system shall be connected to the vehicle starter circuit so that ejection occurs when the engine is cranked. The power connector shall be rated for 30 amperes.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4	Each	Electrical 120-Volt AC Receptacles	<p>The crew compartment shall be furnished with four (4) each 3-wire plus ground duplex 120-volt AC receptacles. There shall be:</p> <ul style="list-style-type: none"> <li>(1) inside the front ALS cabinet</li> <li>(1) in the Action-Area</li> <li>(1) in the monitor/defib area</li> <li>(1) in the driver's side rear cabinet.</li> </ul> <p>Receptacles shall be near flush, vertically mounted. All outlets shall have an indicator within each receptacle as a line monitor indicating a live (hot) circuit and shall be labeled with the following: "120 VOLT AC."</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Inverter	There shall be provided a combination battery charger and inverter for use with medical electronics. The inverter portion shall be rated at a continuous 1050 watts output with a surge capacity of up to 2100 watts. The output shall be modified sine wave with voltage of 120-volts AC. There shall also be an automatic transfer switch that will disable the inverter output whenever the shoreline system is engaged. The battery charger portion shall have a charging capacity of 15 amps to 55 amps with input current of 12 volts. Additionally, the unit shall have a thermostatically controlled fan for internal cooling. The inverter/charger will be mounted in the street side intermediate cabinet. There will be an on/off, not momentary, switch for the inverter located on the rear switch panel.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Patient Compartment HVAC	Should be capable of maintaining 75 degrees Fahrenheit in 100 degrees ambient air temperature.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Backup Alarm	An audible alarm shall be installed to activate when the vehicle is placed into reverse gear. With no momentary override switch.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3	Each	Cameras with Recorder & Monitor	<p>Three (3) cameras with recorder.</p> <ol style="list-style-type: none"> <li>One (1) camera located at the rear of the ambulance that is activated when putting the ambulance into reverse gear. This camera will display real time video to the driver when in reverse gear.</li> <li>One (1) camera located at the rear centered above the double doors facing the front of the compartment. When not in reverse the monitor will be able to show the patient compartment. The 7" display will be mounted on the front console so as to not impede passenger space.</li> <li>One (1) camera located on the front windshield area, facing forward to capture a view of the road ahead.</li> </ol> <p>All 3 camera should be wired to a recording device.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Patient Compartment Clock	One (1) 12-volt digital clock shall be provided in the patient compartment. It shall feature a digital display of time (hours: minutes), a sweep second hand, elapsed time counter (hours: minutes), preset alarm intervals at one (1) minute, two (2) minutes, five (5) minutes and ten (10) minutes and shall have approximate dimensions of 4.75" high x 6.75" wide x 1" deep. 12-volt power to this clock shall be constant.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3	Each	Main Oxygen	<p>The main oxygen supply line at the tank will have a regulator and gauge assembly. There will be:</p> <ol style="list-style-type: none"> <li>Two (2) medical gas outlets on the street side in the action area</li> <li>One (1) medical gas outlet in the curb side wall positioned approximately eight (8) inches past the entry door.</li> </ol>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Suction / Vacuum Pump	A pump will be installed in the street side intermediate compartment. A panel mount regulator with gauge will be installed in the action area adjacent to the medical gas outlets. A standard wall suction quick connect adapter plate will be mounted in the action area between the medical gas outlet and the panel mount regulator. The pump power switch will be located in the patient compartment control console.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Fire Extinguisher	No fire extinguisher or mount, this will be installed by the customer after delivery.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Ventilation	The patient compartment shall be ventilated with fresh outside air via one (1) static intake vent and one (1) power exhaust vent. The system shall be capable of completely exchanging the air volume within the patient compartment every two (2) minutes	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Carbon Monoxide Detector	Patient compartment will have an audible Carbon Monoxide Detector installed and be powered by continuous 12-volt power.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Narcotics Safe	Medix Med Safe MS-1 Narcotics safe, mounted above pass through	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE																												
1	Each	Safety Restraint Net	Safety net, yellow in color, shall be provided and installed at the head end of the squad bench.	<input type="checkbox"/> YES <input type="checkbox"/> NO																												
1	Each	Cardiac Monitor	<p>A Physio Control Lifepak15 will be included in the patient compartment. The Lifepak will come with 2 batteries, ac power adapter, extension cable, power cable, and right angle power cable, have the capability to transmit data wirelessly, assess NIBP with 5 sizes of reusable cuffs and coiled tubing, Utilize Masimo SET LNC patient pulse oximetry with LNCS® Reusable sensor adult and pediatric size, Include a 12-Lead ECG Cable trunk cable with 4-Wire limb leads and 4-wire cable comb, a 12-lead ECG cable 6-Wire Precordial attachment, CO2 monitoring, temperature monitoring with temperature adapter cable. A QUIK-COMBO Therapy cable for the utilization of Defibrillation, cardioversion, pacing, and ECG electrodes with QUIK-COMBO connector. A REDI CHARGE base for the Lifepak 15 with AC power cord. An approved securement device for the cardiac monitor will be installed in the telemetry area and be capable of rotation.</p> <table><thead><tr><th><u>Stryker Item #</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>199577-001955</td><td>LIFEPAK 15 V4 Monitor/Defib - Manual &amp; AED, Trending, Noninvasive Pacing, SpO2, NIBP, 12-Lead ECG, EtCO2, BT. Incl at N/C: 2 pr QC Electrodes (11996-000091) &amp; 1 Test Load (21330-001365) per device, 1 Svc Manual CD (26500-003612) per order</td></tr><tr><td>41577-00028</td><td>Ship Kit -QUIK-COMBO Therapy Cable; 2 rolls100mm Paper; RC-4, Patient Cable, 4ft.; NIBP Hose, Coiled; NIBP Cuff, Reusable, adult; 12-Lead ECG Cable, 4-Wire Limb Leads, 5ft; 12-Lead ECG Cable, 6-Wire Precordial attachment</td></tr><tr><td>11140-000098</td><td>LP15 AC Power Adapter (power cord not included)</td></tr><tr><td>11140-000015</td><td>AC power cord</td></tr><tr><td>11140-000080</td><td>Extension Cable (5ft 3 in)</td></tr><tr><td>21330-001176</td><td>LP 15 Lithium-ion Battery 5.7 amp hrs</td></tr><tr><td>11171-000046</td><td>Masimo M-LNCSCI, Adult Reusable SpO2 only Sensor. For use with RC Patient Cable.</td></tr><tr><td>11160-000013</td><td>NIBP Cuff-Reusable, Child 1 9.0 11160-000017 NIBP Cuff -Reusable, Large Adult</td></tr><tr><td>11160-000019</td><td>NIBP Cuff-Reusable, Adult X Large</td></tr><tr><td>11577-000002</td><td>LIFEPAK 15 Basic carry case w/right &amp; left pouches; shoulder strap (11577-000001) included at no additional charge when case ordered with a LIFEPAK 15 device</td></tr><tr><td>11220-000028</td><td>LIFEPAK 15 Carry case top pouch</td></tr><tr><td>11260-000039</td><td>LIFEPAK 15 Carry case back pouch</td></tr><tr><td>21996-000109</td><td>Titan III WiFi Gateway 1</td></tr></tbody></table>	<u>Stryker Item #</u>	<u>Description</u>	199577-001955	LIFEPAK 15 V4 Monitor/Defib - Manual & AED, Trending, Noninvasive Pacing, SpO2, NIBP, 12-Lead ECG, EtCO2, BT. Incl at N/C: 2 pr QC Electrodes (11996-000091) & 1 Test Load (21330-001365) per device, 1 Svc Manual CD (26500-003612) per order	41577-00028	Ship Kit -QUIK-COMBO Therapy Cable; 2 rolls100mm Paper; RC-4, Patient Cable, 4ft.; NIBP Hose, Coiled; NIBP Cuff, Reusable, adult; 12-Lead ECG Cable, 4-Wire Limb Leads, 5ft; 12-Lead ECG Cable, 6-Wire Precordial attachment	11140-000098	LP15 AC Power Adapter (power cord not included)	11140-000015	AC power cord	11140-000080	Extension Cable (5ft 3 in)	21330-001176	LP 15 Lithium-ion Battery 5.7 amp hrs	11171-000046	Masimo M-LNCSCI, Adult Reusable SpO2 only Sensor. For use with RC Patient Cable.	11160-000013	NIBP Cuff-Reusable, Child 1 9.0 11160-000017 NIBP Cuff -Reusable, Large Adult	11160-000019	NIBP Cuff-Reusable, Adult X Large	11577-000002	LIFEPAK 15 Basic carry case w/right & left pouches; shoulder strap (11577-000001) included at no additional charge when case ordered with a LIFEPAK 15 device	11220-000028	LIFEPAK 15 Carry case top pouch	11260-000039	LIFEPAK 15 Carry case back pouch	21996-000109	Titan III WiFi Gateway 1	<input type="checkbox"/> YES <input type="checkbox"/> NO
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# SECTION 6 – VEHICLE LIGHTING AND WARNING REQUIREMENTS

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	Vehicle Exterior Requirements	The basic exterior vehicle lighting shall comply with FMVSS Standard No. 108 and the requirements herein and include: amber front and rear directional signals and hazard warning lights, front and rear side marker lights, backup light(s), loading light(s), clearance lights, ambulance emergency lights, floodlights, and spotlight(s). All FMVSS lights, except chassis OEM lights shall be LED.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Stop / Tail / Turn / Backup Lights	<p>The rear stop/taillights shall be Whelen M series fully populated red LED lights, with chrome flange housing.</p> <p>The rear turn signals shall be Whelen M series amber arrow style LED lights with chrome flange housing.</p> <p>The rear back-up lights shall be Whelen M series maximum populated LED lights with chrome flange housing.</p> <p>Lights shall be stack mounted on the rear of the vehicle above the rear bumper riser panel.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Tag Light	The rear license plate illumination lights shall be LED. These lights shall be mounted within the rear license plate mounting frame on the rear bumper riser panel.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Emergency Lighting System	<p>The emergency lighting system must provide the vehicle with 360 degrees of visual warning conspicuity. The system will have a <b>PRIMARY MODE</b> and <b>SECONDARY MODE</b>. <i>Primary mode</i> will activate all emergency lights, <i>Secondary mode</i> will operate by leaving all Red Emergency lights on the module on and shut off all clear flashing lights and intersection lights in grill area. All emergency lights will be set that the whole light head flashes as one, no lights shall a split flash pattern that splits the flashing of the light head into upper/lower, right/left, etc patterns.</p> <p>The vehicle warning light layout shall be as follows:</p> <ol style="list-style-type: none"> <li><b>Grille Lights:</b> Six (6) Whelen ION, two (2) white, four (4) red, LED warning lights with ION with black flange with clear lens. The grille lights shall be located at least 30" above the ground and below the bottom edge of the windshield and be laterally separated equally spaced measured from centerline to centerline of each lamp. These six (6) should be synced with the two intersection lights.</li> <li><b>Intersection Lights (Brush Guard):</b> Two (2) Whelen Ion red LED warning lights with black trim flange and clear lens. Located on the Grille guard facing outward as intersection lights.</li> <li><b>Intersection Lights (Front):</b> Two (2) Whelen Ion red LED warning lights with chrome trim flange and clear lens. Located on the front fender, center over the front tire. These two(2) lights should be synced with the grille lights.</li> <li><b>Front Light Wall:</b> Six (6) each Whelen M9 red LED warning lights with clear lens and chrome trim flanges. One (1) each Whelen M9 clear LED warning light with clear lens and chrome trim flanges. Lights shall be positioned as follows from left to right: R R R C R R R.</li> <li><b>Side Body Lights:</b> Two (2) each side Whelen model M9 red LED warning lights with clear lens with chrome plated flanges</li> <li><b>Rear Body Lights:</b> Two (2) upper outer warning lights shall be Whelen model M9 red LED warning lights with clear lens and chrome trim flanges. One (1) Whelen M9 amber LED warning light with clear lens and chrome mounting flange shall be center mounted over the rear entry door. Two (2) Whelen model M9 red LED warning lights with clear lens and chrome mounting flanges shall be mounted on the rear of the modular body and positioned to show through the rear entry doors windows when said doors are in the open position. These lights shall also act as brake lights when the user applies for braking.</li> </ol>	<input type="checkbox"/> YES <input type="checkbox"/> NO

## SECTION 7 – NON-EMERGENCY LIGHTING SYSTEM

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMLIANCE
1	Set	Marker Lights	All marker lights on the module will be surface mount LED lights	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Sets Each	Scene / Loading Lights	<p>Scene and loading lights shall not be less than 75" above the ground and shall not be obstructed by open doors. Floodlights shall be located on the left and right sides of the ambulance and be firmly fastened to the body surfaces below the roof line. The lamp(s) H-V shall be projected downward at an angle of 13 degrees from the horizontal plane.</p> <p>There shall be two (2) Whelen M Series, model M Gradient Opti-Scene LED on each side of the modular body as side scene or flood lights. Each light shall contain 24 diodes and have a unique internal and external optic design. Scene light switches shall be located on the cab console and control each side independently. The curb side scene lights shall automatically illuminate anytime the Master Switch is in the on position and the side entry door is opened.</p> <p>There shall be two (2) Whelen M Series, model 9SC0ENZR Gradient Opti-Scene LED on the rear of the ambulance as rear loading lights. Each light shall contain 24 diodes and have a unique internal and external optic design. The rear loading lights shall operate automatically whenever the Master Switch is on and the rear doors are opened and shall be incorporated with the FMVSS backup lighting system.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Set	Vehicle Interior Lighting	The basic interior ambulance lighting configuration shall be designed to minimize electrical loads and include: a driver's compartment dome light, instrument panel lights, master switch panel and console light(s), and above the passenger seat a dome light capable of red and white illumination. Lighting should be designed and located so that no glare is reflected into the driver's eyes or his line of vision from the switch control panels or other areas that are illuminated while the vehicle is in motion.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18	Set	Patient Compartment Dome Lights	<p>The patient compartment shall be provided with eight (8) overhead low profile "dual intensity" LED dome lights. Whelen 80C0EHCR. Each dome light shall provide excellent color rendering for patient care/diagnosis. The light lens shall be smooth faced and guaranteed not to yellow or haze.</p> <p>There shall be four (4) lights located on the street side ceiling area and four (4) over the curb side ceiling area. These lights shall meet AMD Standard 016.</p> <p>The action area will have a Whelen 3SC0CDCR light centered over it controlled by an individual switch in the patient compartment control console.</p> <p>The telemetry area will have a Whelen 3SC0CDCR light centered over it controlled by an individual switch in the patient compartment control console. These lights shall be controlled from the rear compartment switch console.</p> <p>The dual level lighting shall work together or may be separately selected from side to side. The dual level feature shall be activated by rocker type switches located in the attendant's control panel.</p> <p>When either the side or rear door(s) are opened, the four (4) lights over street side area shall be automatically activated in the low intensity mode.</p> <p>The lights over the curb side area shall not light automatically to conserve power.</p> <p>There will be a switch in the front console to turn on the curb side lights in low intensity mode.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Check-Out Timer	A 15-minute spring wound mechanical timer shall be provided and installed at the head of squad bench adjacent to the side entry door. Timer to control the curb side dome lights.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Exterior Compartment Lights	<p>Lighting for exterior storage compartments shall be accomplished utilizing UL Listed LEDs. Lights shall have an expected lifetime of 50,000 hours and shall be water, dust and impact resistant. Lights shall be activated by magnetic door jamb switches.</p> <p>Each exterior compartment shall have one (1) strip LED light installed full height on each side of the door opening. Lights shall not run across the top of the compartment door opening.</p> <p>All strip lights are to be installed as close to the door opening edge as possible but cannot interfere with the access to equipment and supplies.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

#### SECTION 8 – AUDIBLE WARNING SYSTEMS

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Audible Warning Systems Siren	The ambulance shall be equipped with a Whelen Remote Dual Siren Amplifier, with electronic airhorn button and Flush Mount Control Head. Hand's free function is not optional. PA microphone must be plug style to allow for it to be unplugged and stored separately.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Set	Howler Siren Amplifier	With two (2) speakers mounted in the area of the bumper/grill.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Siren Speakers	Two (2) 100-watt speakers shall be installed through the front bumper.	<input type="checkbox"/> YES <input type="checkbox"/> NO

# Type III Ambulance

## Specification Requirement Document

### SECTION 1 - GENERAL

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1		Material & Workmanship	<p>All equipment furnished shall be guaranteed to be new and of current manufacture, meet all requirements of this specification, and be in an operable condition at the time of delivery. All parts shall be of high-quality workmanship, shall be in production at the time of Bid, and no part or attachment shall be substituted or applied contrary to the manufacturer's recommendations and standard practices.</p> <p>All workmanship shall be of quality and performed in a professional manner so as to insure a safe and functional apparatus with an aesthetic appearance.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Pre-Construction Conference	<p>There shall be a required pre-construction conference at the successful Bidder's manufacturer's facility before any construction can begin.</p> <p>NOTE: The pre-construction conference meeting shall be conducted at the "primary builder", of the ambulance. No meeting shall take place at the dealership's place of business. This is the only method that will be the only acceptable way to conduct the pre-construction meeting.</p> <p><b>NO EXCEPTIONS.</b></p> <p>A minimum of 1 (maximum of 3) department personnel along with a representative or dealer of the successful Bidder shall attend.</p> <p>At this meeting both parties shall again go over the specifications to ensure the ambulance is built to meet or exceed all requirements.</p> <p>After this meeting the representative of the successful Bidder shall present the department with detailed drawings and a work order to be used in the production of the ambulance being Bid.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Pre-Delivery Inspection (Final)	<p>There shall be a pre-delivery inspection trip at the factory of the successful Bidder. The inspection trip shall consist of a minimum of 1 (maximum of 3) members from the County along with the representative of the successful Bidder, to ensure compliance with all specifications.</p> <p>NOTE: All expenses relating to the Pre-Construction and Final inspection trips shall be at the cost of the successful Bidder and be at no cost to the Department. This is to include all meals and lodging while at the inspection along with travel allowances (commercial round trip coach air flight. Private plane is not acceptable), for up to 3 representatives for any factory that is over (250) miles from the Buying Authority.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		One Month Service Call	<p>After the vehicle has been in service for approximately one month, the successful vendor shall send trained "FACTORY" employed personnel to the County, for a service and warranty review.</p> <p>The Factory technician shall check all operating systems and repair or replace any items found defective or in need of re-work.</p> <p>However, should a problem occur before the one-month service call, the County will require immediate service from the FACTORY technician, at the Departments location. NO EXCEPTIONS</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Drawings	<p>There shall be provided with your Bid package, a detailed set of scaled computer drawings. These drawings must be for this particular unit that the County has specified, not a standard manufacturer drawing. Also, the County is not seeking, nor will they accept a stamped utility body or a bent aluminum style body.</p> <p>The County is looking for an aluminum extruded body that will give them the best long-term value for their investment.</p> <p>These drawings must show all the options and equipment to mount on the apparatus and shall include both front and rear views, both sides, roof, slide outs, interior showing both side walls, front wall and rear wall and shall show all required equipment mounted in the designated compartments. NO EXCEPTIONS</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1		General Vehicle Design, Type & Floor Plan	The ambulance and the equipment furnished under this specification shall be the manufacturer's current commercial vehicle of the type and class specified. The ambulance shall be complete with the operating accessories as specified herein and furnished with such modifications and attachments as may be necessary or specified to enable the vehicle to function reliably and efficiently in sustained operation. The design of the vehicle and the specified equipment shall permit accessibility for servicing, replacement, and adjustment of components parts and accessories with minimum disturbance to other components and systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Technical Requirements Cab/Chassis	The ambulance shall be a Type III and shall have a chassis furnished with a two-door cab-chassis, 4x2. The cab-chassis shall be suitable for subsequent mounting of a modular (containerized) transferable equipped ambulance body conforming to the requirements specified herein.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Chassis Description	Chevrolet G4500 new stock, diesel engine (if no diesel will consider gas) The cab-chassis shall be suitable for subsequent mounting of a modular (containerized) transferable equipped ambulance body conforming to the requirements specified herein. All-Season Radial Tires – Highway Spare Tire and Wheel – Full Size Ambulance Package Engine Block Heater (wired to Shoreline) Dual Heavy-Duty Maintenance Free Batteries Fuel Tank, 40 Gallon minimum Cruise Control / Tilt Steering Wheel	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Locks	Power Door Locks with Remote Keyless Entry to include all Modular body compartment and entry doors with Exterior waterproof hidden door unlock switch installed in the front grill area.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Tow Hooks	Front and Rear Tow Hooks to be attached to frame.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Windows	Cab- Driver and passenger side window shall be electric and be tinted to 32 %	<input type="checkbox"/> YES <input type="checkbox"/> NO
4		Keys & Remotes	4 OEM Keys and remotes	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Front Bumper	Ranch Hand – Legend Series with Ranch Hand Grille Guard or comparable bumper and grill guard	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		DEF	DEF fill tube should be mounted to come through the module in front of left rear tire. The vehicle shall be equipped with a cast aluminum DEF fluid fill bezel.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Paint	Chassis and module shall be painted to match the existing fleet. All lettering will be reflective on chassis and module and designed to match the existing fleet.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4		Wheel/Rim Appearance	All four outside chassis wheels shall be covered in polished stainless steel wheel simulators. The wheel simulator design shall not affect tire and wheel balance when the vehicle is driven between zero and eighty miles per hour. The lugs shall be capped off with bright stainless steel, snap on caps designed to cover wrench marks, normally left on the lug nuts.	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1		Tire Valve Extenders	One pair of tire valve extenders shall be supplied and installed for each inside rear wheel. The tire valve extenders shall permit the user to check tire pressure and fill the inside rear tires without removing the outer tire. The extenders shall have a braided stainless steel outer jacket to resist abrasions and cuts. The filler end shall be supported by a valve bracket.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Running Boards	The running boards shall be finished with bright aluminum diamond plate. Boards shall include nonmetallic spacers to prevent trapping of dirt and water between the running boards and the body cab. Design of the running boards shall incorporate a splash shield to protect the front of the modular body from the wheel wash. All running boards shall be gusseted and provide brackets to prevent flexing, sagging and damage. The Running board will have 5 equally spaced 1 inch drain holes starting at the front of the running board and ending at the rear inside corner to allow water and debris to pass through. Running board installation to conform to chassis manufacturer's recommendation.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Heat Shield	To further insulate and protect the patient compartment the ambulance manufacturer shall install 18-gauge galvanized steel below the subfloor material to act as a heat shield. The heat shield shall have waterproof insulation laminated to it shall be installed directly to the bottom of the floor tubes. This will create a sandwich style construction to further insulate the patient floor from the muffler and exhaust.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1		Front Control Console	RAM Mount console. A powder-coated aluminum floor mounted console shall be installed on the floor of the cab between the driver's and passenger's seats. The console shall include an angled face to accommodate all controls and switches to operate all necessary emergency or mission critical functions. The lower portion of the console shall consist of a flat area that shall contain cup holders and blanks for additional equipment. The console face plates shall be removable for accessibility and serviceability. The Console System is to be SAE J3043 Ambulance Equipment Mount Device or Systems compliant.	<input type="checkbox"/> YES <input type="checkbox"/> NO

## SECTION 2 – MODULE CONVERSION BODY CONSTRUCTION

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	OVERVIEW	<p>The dimensions of the patient module shall be in accordance with manufacturer's specifications with minimum dimensions of (Specify dimensions) 169" in length, 96" in width, and 72" headroom.</p> <p>There shall be a bulkhead separating the cab and patient compartment that allows for a pass-through area.</p> <p>The ambulance body shall be constructed of custom designed aluminum extrusions and aluminum plate. The ambulance body shall be designed and engineered specifically as an emergency vehicle and shall be built to meet the heavy-duty requirements of emergency service. The body shall be of welded construction for maximum strength and integrity for the entire life of the ambulance.</p> <p>All exterior compartments shall be separate and individual components and no two compartments shall share a common wall.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Interior Headroom	There shall be a minimum of 72" inch of interior headroom provided inside the patient area of the module. It shall be free of obstructions for the occupant's safety and shall meet or exceed all transportation and regulatory requirements.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Body to Chassis Mounting	Steel surfaces that will come into contact with aluminum floor structure components are to be covered with PVC tape to prevent contact between the dissimilar metals. Any chassis frame extension that supports the module should have an overlap of a minimum of 6 inches over the OEM chassis and be secured with a continuous weld and/or bolts to reinforce the frame extension.	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Vehicle Lower Rub Rail	The lower rub rail shall be of an anodized aluminum "C" channel that is 2" wide x 3" high. The "C" channel shall have a recessed section that will have reflective Red/white striping applied. The extruded rub rails shall be installed on lower sides of the modular body using stainless steel fasteners and rubber spacers between the rail and body.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Vapor Barrier	To further insulate and protect the patient compartment the ambulance manufacturer shall install an aluminum vapor barrier. A 0.63 aluminum sheet shall be installed directly between the flooring and the floor tubes. This will create a sandwich style construction to further insulate the patient floor from heat generated by the muffler and exhaust system. The entire underside of the modular body shall be sealed.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Corner Protectors	The lower rear corners of the body shall have approximately 12 ½" high, .0125 aluminum diamond plate rolled around the corners radius and terminate at the rear kick plate area. The top edge of each stone guard shall be sealed to prevent moisture and debris from collecting behind the guards.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Compartment Construction	All exterior compartments shall be constructed of smooth aluminum plate. All corners and seams shall be completely welded to prevent outside elements from entering the compartment. Each compartment shall be fully finished with protective coating. This material shall have excellent abrasion resistance as well as a high non-skid rating.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Door Construction	The lower 1/2 shall be covered with Red/White Reflective chevron striping. All door screws and bolts will have thread locker applied (ex: Red Loctite).	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Drip Rail	Every compartment door opening shall have a built-in integral drip rail.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Locking Door Handles	All exterior compartment doors (compartment or patient entry) shall have a chrome plated locking handle(s) with neoprene gasket on the exterior. The entry doors will have locking inside release with automated locking and unlocking which is interfaced with the door lock system on the chassis so when the vehicle is locked or unlocked the entry doors on the compartment are activated simultaneously. The handle shall be large and easy enough to use. The assembly shall include factory installed gasket, water resistant, and blind mounting brackets for security and appearance. Handle(s) will be connected to the latching mechanism by threaded rods.  All compartment door locks will be wired to operate with OEM locks and remotes.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Door Latching Hardware	All module doors, compartment and entry, shall utilize two (2) rotary style latches per door leaf, closing onto two (2) "Nader" striker pins with capped heads and adjustable cage nuts. Construction using other latching methods, striker pins without capped ends, or single striker pins are NOT acceptable.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Stainless Steel Door Hinges	There shall be provided a stainless-steel continuous hinge on each of the exterior doors. The hinges shall extend the full length of the door and shall contain a stainless-steel pin. All hinges shall be bolted to the door and door frame using stainless steel bolts for easy removal if damaged. The hinge shall be separated from the door and frame by a Mylar strip which shall act as a corrosion barrier.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Door Spring Door Checks	There shall be provided a door spring opener and closer on each exterior compartment and side entry door. The door spring shall be bolted to the door using a fabricated spring hold bracket. The door spring hold back shall operate on a '50/50 principle': if the door is partially opened, it shall close or if the door is over halfway open, the door will open fully.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Rear Door Holders	There shall be provided two (2) cast aluminum door grabbers installed on the rear entry doors. The cast grabbers shall consist of two parts: a loop and receiver. The loop shall be installed on the upper portion of the rear entry door. The corresponding receiver shall be installed on the rear wall. When the rear doors are opened, the door grabbers shall securely hold the doors open.	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
3	Each	Door Windows	<p>3 Sliding windows. The patient compartment side entry door shall have a window. The windows shall be centered in the door and approximately 6" down from the top of the door. The dark tinted window shall be capable of opening via a sliding section of the glass. The sliding section must be positively latched when in the closed position to prevent it from being opened from the outside. It must also include a sliding screen section to cover the opening.</p> <p>The patient compartment rear entry doors shall each have a window. Windows shall be centered in the door and approximately 6" down from the top of the door. The dark tinted window shall be capable of opening via a sliding section of the glass. The sliding section must be positively latched when in the closed position to prevent it from being opened from the outside. It must also include a sliding screen section to cover the opening.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Module & Entry Door Insulation	The modular ambulance body shall be insulated with a material that is non-flammable with a Class A, Class 1 fire rating. It shall be certified to meet the smoke and flammability requirements of FMVSS 302. The exposed walls of the exterior compartments and wheel wells that intrude into the interior of the modular shall be covered with reflective insulating material with a value of R-14.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Electric Step on Side Entry	Electric step shall be installed under the curbside entry door with switch mounted within 1 foot of door to switch step off or to operate when door is opened.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Fenders	A black rear fender flair shall be installed around the rear wheel well openings. They will be installed so as not to interfere with tire rotation, movement, or replacement. A layer of butyl self-sealing tape will be applied between the fender flares and the body panels for corrosion protection.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Rear Bumper	<p>The rear components must be fully welded and coated with automotive waterbased undercoating to prevent rust, and then bolted to the OEM frame rails. The middle portion of the bumper assembly (approximately 48" wide) shall incorporate a fold up section of aluminum grip strut material. The hinge must be stainless steel and installed so that the step folds toward the body to facilitate stretcher loading.</p> <p><b>NOTE:</b> The bottom must be closed off on the flip up section, leaving sides open for drainage. The rear bumper shall meet the requirements set forth in the AMD Standard 018-Rear Step and Bumper Test. The bumper shall be able to accommodate a 500 lbs. load with maximum deflection of 1" and no more than ¼-inch permanent deformation.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Cab to Patient Compartment Pass Through	A pass-through opening with Plexiglas window shall be framed into the front wall. It shall have a head bumper for occupant safety and shall coincide with an opening of equal size framed into the back wall of the chassis-cab. The space between the cab and module shall be sealed by the installation of a flexible rubber "accordion" style enclosure. Inflatable or rigid seals are not acceptable.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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### SECTION 3 – EXTERIOR COMPARTMENTS

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Street Side – Forward	Shall be located on the street side, forward of the ambulance body. Compartment shall measure approximately 72" high x 20" wide x 22" deep and shall be "sweep-out" style. Compartment shall have a single, vertically hinged door. The compartment shall be designed to house either an "M" or "H" size medical oxygen cylinder and shall contain an approved oxygen cylinder retention system. The oxygen retention system floor plate will be supported so the weight of the cylinder will not allow the floor plate to bend down weakening the integrity of the retention system. There shall be proved access to this compartment from within the patient compartment through a hinged access door located in the Action Area adjacent to the Attendant's Seat.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Street Side - Intermediate	Shall be located on the street side, forward of the rear wheel area and aft of the street side forward compartment. Compartment shall measure approximately 40" high x 30" wide x 20" deep and shall be "sweep-out" style. Compartment shall have a single, vertically hinged door. There shall be provided one (1) adjustable shelf and house customer specified inverter.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Street Side - Rear	Shall be located on the street side aft of the rear wheels. Compartment shall measure approximately 42" high x 40" wide x 20" deep and shall be "sweep-out" style. There shall be provided one (1) adjustable shelf. Compartment must have adjustable nylon web tie-down strap(s) with seat belt style connectors will be installed in the compartment(s) to secure stair chair. The strap shall be secured to the compartment wall(s) with two (2) footmans loops or similar.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Curb Side – Forward	Shall be located on the curb side, forward of the side patient compartment entry door. Compartment shall open into the Right Front ALS Cabinet and shall provide a pass-through opening approximately 55" high x 18" wide. Compartment shall have a single, vertically hinged door. There shall be provided two (2) adjustable shelves.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Curb Side - Rear	Shall be located on the curb side, aft of the rear wheels. Compartment shall measure approximately 72" high x 16" wide x 20" deep and shall be "sweep-out" style. Compartment shall have a single, vertically hinged door. Compartment shall have one (2) vertical divider. Compartment shall have straps with velcro or clips to secure equipment upright on both sides of divider Independently of each other.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Door Sill Protection	There shall be formed brushed aluminum protection plates compartment door sill protection for all exterior compartments. The protector shall be affixed with heavy-duty double side tape to the top surface of the doorsills and extend over the radius edge.	<input type="checkbox"/> YES <input type="checkbox"/> NO

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## SECTION 4 – PATIENT COMPARTMENT INTERIOR MODULE

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	Construction Requirements	In general, the interior of this ambulance shall incorporate features to mitigate injuries to passengers caused by sudden hard braking or accident impact. Exposed edges shall be protected by radius or chamfer trim and, where possible, corners shall be rounded with radius trim. All devices and equipment will be mounted as flush as possible with its surrounding surface. Padding shall be installed in areas where features may obstruct head movement as attendants work within the patient compartment.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Interior Patient Compartment Layout	The patient compartment cabinets shall be identified as: LEFT WALL – Cabinets on the left or street side of the patient compartment. SQUAD BENCH – Cabinets on the right or curb side of the patient compartment. FRONT or BULKHEAD – Cabinets on the front bulkhead of the patient compartment. The exterior color of the cabinets shall be determined during the Pre-Construction Conference. The interior of each cabinet shall be white.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Auxiliary Heater	110 volt auxiliary heater mounted above action area wired to shore line power.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Cabinet Doors	All cabinets along the street and curb side of the vehicle shall have a mitered framed, sliding transparent (clear) Plexiglas door assembly.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Left Wall Cabinet	The left wall cabinet shall contain the forward Action-Area and rear Telemetry-Area. The cabinet shall be divided into multiple storage areas, which shall be maximized for equipment and supply storage.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Action Area / Telemetry Area	The Action-Area and Telemetry-Area shall have a storage tray constructed of solid-surface material such as STARON or CORIAN. This surface should be continuous without a CPR seat. A cardiac monitor mount for a PHYSIO CONTROL LIFEPAK 15 monitor will be installed in the telemetry area..	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Squad Bench Cabinet	The squad bench cabinet shall be on the curb side of the vehicle and shall run from the side entry door to the rear of the patient interior. There shall be provided a fixed backrest(s) and hinged cushion with storage underneath. The cushion shall have a gas-strut type hold-open device that will automatically hold the cushion in either the open or closed position. Seating positions one and two shall be equipped with 6-point seat belt harnesses. Three [3] sets of retractable seat belts shall be installed on the face of the squad bench to restrain a patient on a secondary stretcher or spine board.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Sharps / Waste Disposal	Trash can should be draw style slide out under bench. No sharps container (we will mount after delivery). A vinyl biohazard sticker shall be applied to the door in accordance with OSHA regulations	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Upper Squad Bench Cabinet	A cabinet shall be located over the squad bench at the ceiling level, rearward of the entry/egress door opening. This cabinet shall be divided into three (3) separate sections. The cabinet shall be finished in the same material as the rest of the interior cabinets.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Glove Box Cabinet(s)	A cabinet shall be built and installed above the side entry door to house three (3) boxes of disposal gloves. The cabinet shall have a single, clear Plexiglas door with three oval cutouts to allow gloves to be removed without opening the door. A cabinet shall be built and installed on the wall adjacent to the squad bench to house three (3) boxes of disposal gloves. The cabinet shall have a single, clear Plexiglas door with three oval cutouts to allow gloves to be removed without opening the door.	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	Compliance
1	Each	Right Front / Bulkhead Cabinet	<p>A designated ALS cabinet shall be located on the front bulkhead adjacent to the side entry door. The cabinet shall be accessible from both the patient compartment as well as through the curb side forward compartment door. It will have 2 shelves capable of being set to different heights. There will be two doors with plexiglass centers. The upper portion of the cabinet shall be sized for storing a drug bag, medication box, or jump bag. This portion will not be accessible from the exterior. There will be a solid cabinet door with a stainless-steel hinge across the top running the full length of the door. The door shall have a gas-strut type hold-open device that will automatically hold the door in either the open or closed position. a coded lock securement device will be installed on the door.</p> <ol style="list-style-type: none"> <li><b>Portable Suction:</b> Laerdal's portable suction unit (LSU) (Laerdal Item # 78002001) with 12-volt wall mount charging bracket (Laerdal Item #782600 mounted and wired to units electrical system</li> <li><b>Stryker Lucas:</b> Lucas v3.1 Chest Compression System, Includes Hard Shell Case, Slim Back Plate, (2) Patient Straps, (1) Stabilization Strap, (2) Suction Cups, (1) Rechargeable Battery</li> </ol> <p><u>Stryker Item #</u>      <u>Item/Description</u></p> <p>99576-000063      LUCAS 3      v3.1 Chest Compression System Includes: Hard Shell Case Slim Back Plate (2) Patient Straps (1) Stabilization Strap, (2) Suction Cups (1) Rechargeable Battery and Instructions for use With Each Device</p> <p>11576-000071      LUCAS External Power Supply</p> <p>11576-000080      LUCAS 3 Battery</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Grab Bar Above Cot	Two (2) 1.25" diameter x 72" yellow grab bars shall be provided and securely fastened to the ceiling over the primary cot and over squad bench. The grab rails shall be fastened with bolts, washers and nuts of the appropriate dimension, through the interior ceiling panel and through the .090" aluminum accessory plate welded into the roof structure.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Grab Bar at Patient Compartment Doors	1.25" diameter yellow grab bars shall be provided and securely fastened to the interior on both sides of side entry door and on each side of rear entry doors. The grab rails shall be fastened with bolts, washers and nuts of the appropriate dimension.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Upholstery	All vinyl upholstery shall be vacuum or heat-formed seating, applied over high density foam. For seat cushions, the foam must be 2.5" thick. For back and head rests, it shall be 2" thick. To reduce the possibility of blood-borne pathogens contaminating the upholstery, all seat cushions, back, arm, head rests and header pads shall be vacuum formed seamless design.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Seat Cushion Attachment	To assist in cleaning and/or disinfecting, all seat cushions shall be attached to seat bases using Velcro or 3M Dual-Lock fastening systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	Padded Trim	<p>To mitigate injury to passengers, trim pieces consisting of aluminum covered with 1/2" high density foam and wrapped with heavy-duty vinyl to match seating upholstery will be installed:</p> <ol style="list-style-type: none"> <li>1. At the vertical outside corner of the cabinet forward of the attendant seat</li> <li>2. At the upper horizontal and vertical corners above the action area</li> <li>3. At the upper horizontal and vertical corners above the defibrillator shelf</li> </ol>	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Floor	An aluminum sub-floor shall be installed over the floor structural tubing. A non-wood, PVC flooring will be installed above the aluminum sub-flooring. The composite flooring shall consist fully of PVC. The PVC floor shall be lightweight, have less than 1% water absorption, be rot, insect, mold, mildew and algae resistant.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Floor Covering	There shall be provided a heavy-duty commercial grade vinyl floor covering the interior patient compartment. The floor covering shall be Lon plate II heavy-duty safety vinyl. The floor covering shall be constructed of multiple layers composed of polyvinyl chloride (PVC) resin, plasticizers, fillers and pigments. The co-calendar wear layer shall be formulated to provide maximum resistance to foot traffic and most commercial and healthcare chemicals. The middle layer shall provide dimensional stability, sound-absorbing properties and resiliency under foot. The flooring material shall be coved or otherwise roll-up both the left wall and squad bench cabinets approximately 4".	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Rear Threshold	There shall be a heavy-duty aluminum anodized threshold protector installed on the rear interior of the body. The protectors shall run the entire width of the floor at the door opening.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Ceiling Headliner	The patient compartment headliner shall be constructed of durable, white glossy fiberglass material. The headliner shall be securely affixed to the roof bows. There shall be a full-length inspection access/wire race in the center of the ceiling, which provides access to the wiring harness and antenna bases/leads. The access shall have a removable padded vinyl cover and also troughs built in for LED strip lighting.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Attendant's Seat	A rear-facing, high back attendant seat shall be located at the head end of the primary cot. The material shall be sixty (60) ounce vacuumed formed, seamless vinyl compliant with OSHA regulations for easy removal of blood-borne pathogens. The seat shall be mounted on a powered coated black two (2) – position swivel base with the ability to lock in the forward and rear facing positions and shall be securely bolted through the subfloor structure. The seat shall incorporate a built-in Child Safety Seat equipped with a five (5) – point harness. An integrated three (3) – point, retractable adult lap/shoulder ALS seat belt shall also be provided.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Cot & Fastener System	<p>A Stryker power load and compatible Stryker Power cot will be provided and installed in accordance with the manufacturers' recommendations. NO EXCEPTION.</p> <ol style="list-style-type: none"> <li>1. Stryker MTS Power load (including floor plate) (Stryker Item # 63900555001)</li> <li>2. Stryker Power Pro XT Cot 6507 Power Pro 2 (Stryker Item # 650705550002)</li> </ol>	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Portable Oxygen Bracket	Portable O2 Bracket Kit - D Cylinder - Mounted Portable oxygen tank holder that is KKK and NFPA compliant, mounted by manufacturer.	<input type="checkbox"/> YES <input type="checkbox"/> NO
All entry doors on module must have electric locks that are wired to operate with OEM locks and remotes.				

## SECTION 5 – ELECTRICAL COMPONENTS

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	Electrical System	The ambulance electrical system shall be an electronic plug-and-play style system with a printed circuit board.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Wiring Installation	The ambulance body and accessory electrical equipment shall be served by circuit(s) separate and distinct from the vehicle chassis circuits. All wiring provided by the ambulance manufacturer shall be copper and conform to all the SAE J1292 requirements and shall have type GXL "cross linked" high temperature polyethylene or better insulation rated to 300 degrees Fahrenheit and conforming to SAE J1127 and J1128. Wiring shall be permanently color coded to identify wires. Wires shall be permanently heat ink embossed with both number and function codes. The function code shall be the "descriptive" name of the circuit served. The number code shall be the exact purpose of that circuit. This number code shall be completely referenced in a detailed wiring schematic provided with the vehicle. The function and number code shall be embossed at a minimum of 4" intervals the entire length of the wire. Wiring shall be routed in conduit or high temperature looms with a rating of 300 degrees Fahrenheit where necessary to protect it. All added wiring shall be located in accessible, enclosed, and protected locations and kept at least six inches away from the exhaust system components. Electrical wiring and components shall not terminate in the oxygen storage compartment except for the compartment light, and door switch. Wiring necessarily passing through an oxygen compartment shall be routed in rigid conduit. All conduits, looms, and wiring shall be secured to the body or frame with insulated metal cable straps to prevent sagging and movement which results in chafing, pinching, snagging or any other damage. All apertures on the vehicle shall be properly grommited and sealed for passing wiring and conform to SAE 1292. All items used for protecting or securing the wiring shall be appropriate for the specific application and be standard automotive, aircraft, marine or electronic hardware.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Wiring Criteria	All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated to carry at least 125% of the maximum ampere load for which the circuit is protected. There shall be a master electrical component panel located in the ambulance. It is preferred that this panel be mounted on or near the bulkhead of the patient compartment. Standard circuit breakers, relays, and diodes shall be mounted on a printed circuit panel and shall be easily accessible through a door or hatch. All components on the circuit board are to be permanently labeled as to their function.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Voltmeter	Shall be the chassis OEM voltmeter.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Low Voltage Monitoring System	There shall be installed, as an integral function of the ambulance conversion main power board, circuitry that continually monitors electrical system voltage. This system shall activate an audible alarm warning to indicate that the system voltage has fallen. An alarm silent switch shall be located on the front console	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Ignition Controlled Module Disconnect Solenoid	An ignition-controlled module disconnect shall be installed into the control panel of the module acting as a module power disconnect when the ignition power is off.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Patient Compartment Control Console	All switches and controls for the patient compartment, shall be located in the Action-Area. These switches shall be of the same design and construction as found in the driver's control console. These switches shall not be activated unless the "MASTER" switch in the is in ON. A master switch will be located in the front control console and the patient compartment control console.	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	Warning Indicators	The electrical system shall incorporate a warning light panel in the driver's console. It shall provide indicator lights for showing: patient compartment door(s), side and rear, are open. This shall be a flashing RED light. There shall be an exterior compartment "door-open" warning light. This shall be a flashing AMBER light of the same size. All door warning indicators shall have an audible warning in addition to lights.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Radio	Two (2) Motorola XPR5550e 45 Watt VHF Mobile Radio, Include Remote Mount Head, Microphone, Power Cable and Mount (one mounted in cab and one in the rear) with (2) HAD4008 Thick Roof Mount Coax w/ NMO and VHF Element Both antennae's to be mounted on top of module. To include Magnetic Mic Holder for both radios.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Sierra Wireless Antennae	White in color Sierra Wireless Antennae (6-in-1 Dome 5G) (2 x 5G/LTE 617-6000MHz (MiMo) + GNSS + 3 x Wi-Fi 2.4/5GHz) compatible with MG-90 series mounted on Module roof, terminated in module under pass-through window, antennae's to be mounted on top of module.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Internal 12-Volt Power Source	The patient compartment shall be furnished with a 12-volt DC, 20 ampere capacity, separately protected circuit, with one (1) cigar lighter style outlet located in the curb side right front ALS cabinet and one (1) in the Action-Area. This circuit shall also include a "Schottky" diode to isolate medical equipment batteries from any electrical loads imposed by the remainder of the vehicle electrical systems. The Schottky diode shall be heat-sink mounted and having an inverse voltage rating of at least 45 volts and rated to carry the maximum short circuit current until the circuit breaker opens.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	120-Volt AC Utility Power	The vehicle shall be furnished with a 2-wire plus ground 120-volt AC wiring system that is separate and distinct from the vehicle's DC wiring system(s). Listing shall be by a nationally recognized testing laboratory, recognized by OSHA under Appendix A to 29 CFR 1910.7. The AC system is to be utilized while the vehicle is stationary for powering maintenance devices, medical equipment and battery chargers. The AC system shall not be utilized for operational ambulance interior lighting, such as dome and cot lights.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Utility Power Connector	An automatic power line disconnect system shall be furnished for the vehicle shoreline. The outlet shall be located on the street side forward of the vehicle. The disconnect mechanism shall be sealed to prevent contamination by road dirt and to ensure a long and reliable life. To eliminate arcing at the connector contact, a novel internal contact arrangement will close and open the 120-volt A.C. circuit after the mating connector is inserted and before the connector is removed. The disconnect system shall be connected to the vehicle starter circuit so that ejection occurs when the engine is cranked. The power connector shall be rated for 30 amperes.	<input type="checkbox"/> YES <input type="checkbox"/> NO
4	Each	Electrical 120-Volt AC Receptacles	<p>The crew compartment shall be furnished with four (4) each 3-wire plus ground duplex 120-volt AC receptacles. There shall be:</p> <ul style="list-style-type: none"> <li>(1) inside the front ALS cabinet</li> <li>(1) in the Action-Area</li> <li>(1) in the monitor/defib area</li> <li>(1) in the driver's side rear cabinet.</li> </ul> <p>Receptacles shall be near flush, vertically mounted. All outlets shall have an indicator within each receptacle as a line monitor indicating a live (hot) circuit and shall be labeled with the following: "120 VOLT AC."</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Inverter	There shall be provided a combination battery charger and inverter for use with medical electronics. The inverter portion shall be rated at a continuous 1050 watts output with a surge capacity of up to 2100 watts. The output shall be modified sine wave with voltage of 120-volts AC. There shall also be an automatic transfer switch that will disable the inverter output whenever the shoreline system is engaged. The battery charger portion shall have a charging capacity of 15 amps to 55 amps with input current of 12 volts. Additionally, the unit shall have a thermostatically controlled fan for internal cooling. The inverter/charger will be mounted in the street side intermediate cabinet. There will be an on/off, not momentary, switch for the inverter located on the rear switch panel.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Patient Compartment HVAC	Should be capable of maintaining 75 degrees Fahrenheit in 100 degrees ambient air temperature.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Backup Alarm	An audible alarm shall be installed to activate when the vehicle is placed into reverse gear. With no momentary override switch.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3	Each	Cameras with Recorder & Monitor	<p>Three (3) cameras with recorder.</p> <ol style="list-style-type: none"> <li>1. One (1) camera located at the rear of the ambulance that is activated when putting the ambulance into reverse gear. This camera will display real time video to the driver when in reverse gear.</li> <li>2. One (1) camera located at the rear centered above the double doors facing the front of the compartment. When not in reverse the monitor will be able to show the patient compartment. The 7" display will be mounted on the front console so as to not impede passenger space.</li> <li>3. One (1) camera located on the front windshield area, facing forward to capture a view of the road ahead.</li> </ol> <p>All 3 camera should be wired to a recording device.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Patient Compartment Clock	One (1) 12-volt digital clock shall be provided in the patient compartment. It shall feature a digital display of time (hours: minutes), a sweep second hand, elapsed time counter (hours: minutes), preset alarm intervals at one (1) minute, two (2) minutes, five (5) minutes and ten (10) minutes and shall have approximate dimensions of 4.75" high x 6.75" wide x 1" deep. 12-volt power to this clock shall be constant.	<input type="checkbox"/> YES <input type="checkbox"/> NO
3	Each	Main Oxygen	<p>The main oxygen supply line at the tank will have a regulator and gauge assembly. There will be:</p> <ol style="list-style-type: none"> <li>1. Two (2) medical gas outlets on the street side in the action area</li> <li>2. One (1) medical gas outlet in the curb side wall positioned approximately eight (8) inches past the entry door.</li> </ol>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Suction / Vacuum Pump	A pump will be installed in the street side intermediate compartment. A panel mount regulator with gauge will be installed in the action area adjacent to the medical gas outlets. A standard wall suction quick connect adapter plate will be mounted in the action area between the medical gas outlet and the panel mount regulator. The pump power switch will be located in the patient compartment control console.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Fire Extinguisher	No fire extinguisher or mount, this will be installed by the customer after delivery.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Ventilation	The patient compartment shall be ventilated with fresh outside air via one (1) static intake vent and one (1) power exhaust vent. The system shall be capable of completely exchanging the air volume within the patient compartment every two (2) minutes	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Carbon Monoxide Detector	Patient compartment will have an audible Carbon Monoxide Detector installed and be powered by continuous 12-volt power.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Narcotics Safe	Medix Med Safe MS-1 Narcotics safe, mounted above pass through	<input type="checkbox"/> YES <input type="checkbox"/> NO

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE																												
1	Each	Safety Restraint Net	Safety net, yellow in color, shall be provided and installed at the head end of the squad bench.	<input type="checkbox"/> YES <input type="checkbox"/> NO																												
1	Each	Cardiac Monitor	<p>A Physio Control Lifepak15 will be included in the patient compartment. The Lifepak will come with 2 batteries, ac power adapter, extension cable, power cable, and right angle power cable, have the capability to transmit data wirelessly, assess NIBP with 5 sizes of reusable cuffs and coiled tubing, Utilize Masimo SET LNC patient pulse oximetry with LNCS® Reusable sensor adult and pediatric size, Include a 12-Lead ECG Cable trunk cable with 4-Wire limb leads and 4-wire cable comb, a 12-lead ECG cable 6-Wire Precordial attachment, CO2 monitoring, temperature monitoring with temperature adapter cable. A QUIK-COMBO Therapy cable for the utilization of Defibrillation, cardioversion, pacing, and ECG electrodes with QUIK-COMBO connector. A REDI CHARGE base for the Lifepak 15 with AC power cord. An approved securement device for the cardiac monitor will be installed in the telemetry area and be capable of rotation.</p> <table><thead><tr><th><u>Stryker Item #</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>199577-001955</td><td>LIFEPAK 15 V4 Monitor/Defib - Manual &amp; AED, Trending, Noninvasive Pacing, SpO2, NIBP, 12-Lead ECG, EtCO2, BT. Incl at N/C: 2 pr QC Electrodes (11996-000091) &amp; 1 Test Load (21330-001365) per device, 1 Svc Manual CD (26500-003612) per order</td></tr><tr><td>41577-00028</td><td>Ship Kit -QUIK-COMBO Therapy Cable; 2 rolls100mm Paper; RC-4, Patient Cable, 4ft.; NIBP Hose, Coiled; NIBP Cuff, Reusable, adult; 12-Lead ECG Cable, 4-Wire Limb Leads, 5ft; 12-Lead ECG Cable, 6-Wire Precordial attachment</td></tr><tr><td>11140-000098</td><td>LP15 AC Power Adapter (power cord not included)</td></tr><tr><td>11140-000015</td><td>AC power cord</td></tr><tr><td>11140-000080</td><td>Extension Cable (5ft 3 in)</td></tr><tr><td>21330-001176</td><td>LP 15 Lithium-ion Battery 5.7 amp hrs</td></tr><tr><td>11171-000046</td><td>Masimo M-LNCSCI, Adult Reusable SpO2 only Sensor. For use with RC Patient Cable.</td></tr><tr><td>11160-000013</td><td>NIBP Cuff-Reusable, Child 1 9.0 11160-000017 NIBP Cuff -Reusable, Large Adult</td></tr><tr><td>11160-000019</td><td>NIBP Cuff-Reusable, Adult X Large</td></tr><tr><td>11577-000002</td><td>LIFEPAK 15 Basic carry case w/right &amp; left pouches; shoulder strap (11577-000001) included at no additional charge when case ordered with a LIFEPAK 15 device</td></tr><tr><td>11220-000028</td><td>LIFEPAK 15 Carry case top pouch</td></tr><tr><td>11260-000039</td><td>LIFEPAK 15 Carry case back pouch</td></tr><tr><td>21996-000109</td><td>Titan III WiFi Gateway 1</td></tr></tbody></table>	<u>Stryker Item #</u>	<u>Description</u>	199577-001955	LIFEPAK 15 V4 Monitor/Defib - Manual & AED, Trending, Noninvasive Pacing, SpO2, NIBP, 12-Lead ECG, EtCO2, BT. Incl at N/C: 2 pr QC Electrodes (11996-000091) & 1 Test Load (21330-001365) per device, 1 Svc Manual CD (26500-003612) per order	41577-00028	Ship Kit -QUIK-COMBO Therapy Cable; 2 rolls100mm Paper; RC-4, Patient Cable, 4ft.; NIBP Hose, Coiled; NIBP Cuff, Reusable, adult; 12-Lead ECG Cable, 4-Wire Limb Leads, 5ft; 12-Lead ECG Cable, 6-Wire Precordial attachment	11140-000098	LP15 AC Power Adapter (power cord not included)	11140-000015	AC power cord	11140-000080	Extension Cable (5ft 3 in)	21330-001176	LP 15 Lithium-ion Battery 5.7 amp hrs	11171-000046	Masimo M-LNCSCI, Adult Reusable SpO2 only Sensor. For use with RC Patient Cable.	11160-000013	NIBP Cuff-Reusable, Child 1 9.0 11160-000017 NIBP Cuff -Reusable, Large Adult	11160-000019	NIBP Cuff-Reusable, Adult X Large	11577-000002	LIFEPAK 15 Basic carry case w/right & left pouches; shoulder strap (11577-000001) included at no additional charge when case ordered with a LIFEPAK 15 device	11220-000028	LIFEPAK 15 Carry case top pouch	11260-000039	LIFEPAK 15 Carry case back pouch	21996-000109	Titan III WiFi Gateway 1	<input type="checkbox"/> YES <input type="checkbox"/> NO
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## SECTION 6 – VEHICLE LIGHTING AND WARNING REQUIREMENTS

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
-	-	Vehicle Exterior Requirements	The basic exterior vehicle lighting shall comply with FMVSS Standard No. 108 and the requirements herein and include: amber front and rear directional signals and hazard warning lights, front and rear side marker lights, backup light(s), loading light(s), clearance lights, ambulance emergency lights, floodlights, and spotlight(s). All FMVSS lights, except chassis OEM lights shall be LED.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Stop / Tail / Turn / Backup Lights	<p>The rear stop/taillights shall be Whelen M series fully populated red LED lights, with chrome flange housing.</p> <p>The rear turn signals shall be Whelen M series amber arrow style LED lights with chrome flange housing.</p> <p>The rear back-up lights shall be Whelen M series maximum populated LED lights with chrome flange housing.</p> <p>Lights shall be stack mounted on the rear of the vehicle above the rear bumper riser panel.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Tag Light	The rear license plate illumination lights shall be LED. These lights shall be mounted within the rear license plate mounting frame on the rear bumper riser panel.	<input type="checkbox"/> YES <input type="checkbox"/> NO
-	-	Emergency Lighting System	<p>The emergency lighting system must provide the vehicle with 360 degrees of visual warning conspicuity. The system will have a <b>PRIMARY MODE</b> and <b>SECONDARY MODE</b>. <i>Primary mode</i> will activate all emergency lights, <i>Secondary mode</i> will operate by leaving all Red Emergency lights on the module on and shut off all clear flashing lights and intersection lights in grill area. All emergency lights will be set that the whole light head flashes as one, no lights shall a split flash pattern that splits the flashing of the light head into upper/lower, right/left, etc patterns.</p> <p>The vehicle warning light layout shall be as follows:</p> <ol style="list-style-type: none"> <li><b>Grille Lights:</b> Six (6) Whelen ION, two (2) white, four (4) red, LED warning lights with ION with black flange with clear lens. The grille lights shall be located at least 30" above the ground and below the bottom edge of the windshield and be laterally separated equally spaced measured from centerline to centerline of each lamp. These six (6) should be synced with the two intersection lights.</li> <li><b>Intersection Lights (Brush Guard):</b> Two (2) Whelen Ion red LED warning lights with black trim flange and clear lens. Located on the Grille guard facing outward as intersection lights.</li> <li><b>Intersection Lights (Front):</b> Two (2) Whelen Ion red LED warning lights with chrome trim flange and clear lens. Located on the front fender, center over the front tire. These two(2) lights should be synced with the grille lights.</li> <li><b>Front Light Wall:</b> Six (6) each Whelen M9 red LED warning lights with clear lens and chrome trim flanges. One (1) each Whelen M9 clear LED warning light with clear lens and chrome trim flanges. Lights shall be positioned as follows from left to right: R R R C R R R.</li> <li><b>Side Body Lights:</b> Two (2) each side Whelen model M9 red LED warning lights with clear lens with chrome plated flanges</li> <li><b>Rear Body Lights:</b> Two (2) upper outer warning lights shall be Whelen model M9 red LED warning lights with clear lens and chrome trim flanges. One (1) Whelen M9 amber LED warning light with clear lens and chrome mounting flange shall be center mounted over the rear entry door. Two (2) Whelen model M9 red LED warning lights with clear lens and chrome mounting flanges shall be mounted on the rear of the modular body and positioned to show through the rear entry doors windows when said doors are in the open position. These lights shall also act as brake lights when the user applies for braking.</li> </ol>	<input type="checkbox"/> YES <input type="checkbox"/> NO

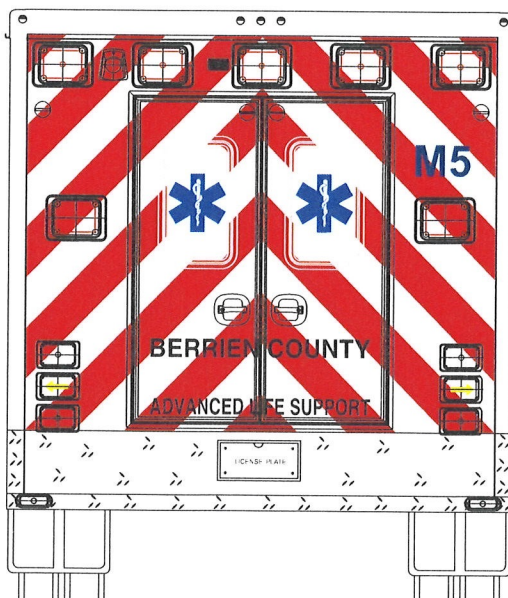
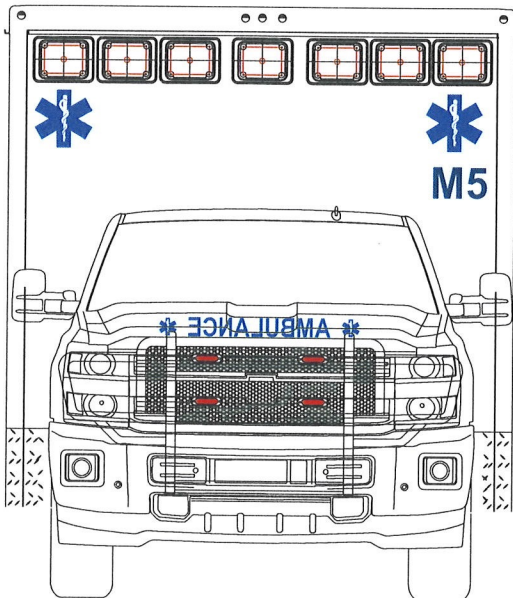
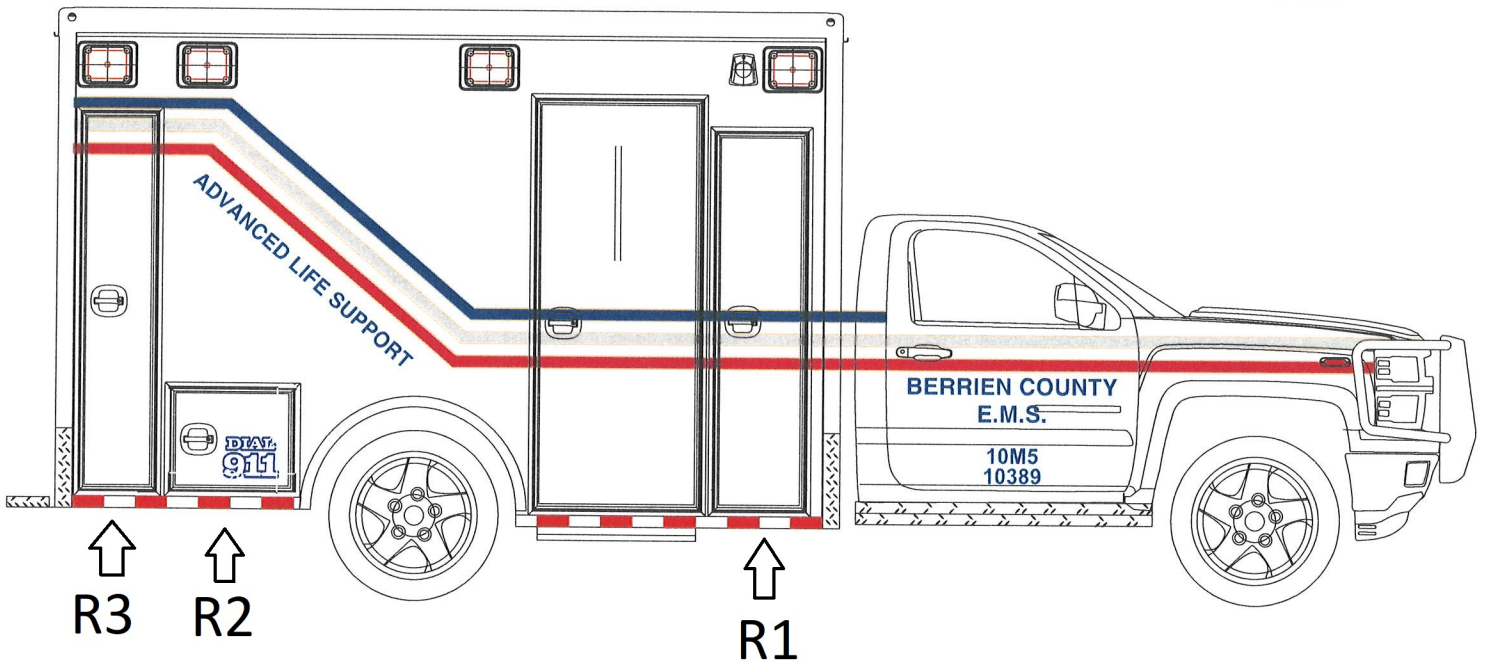
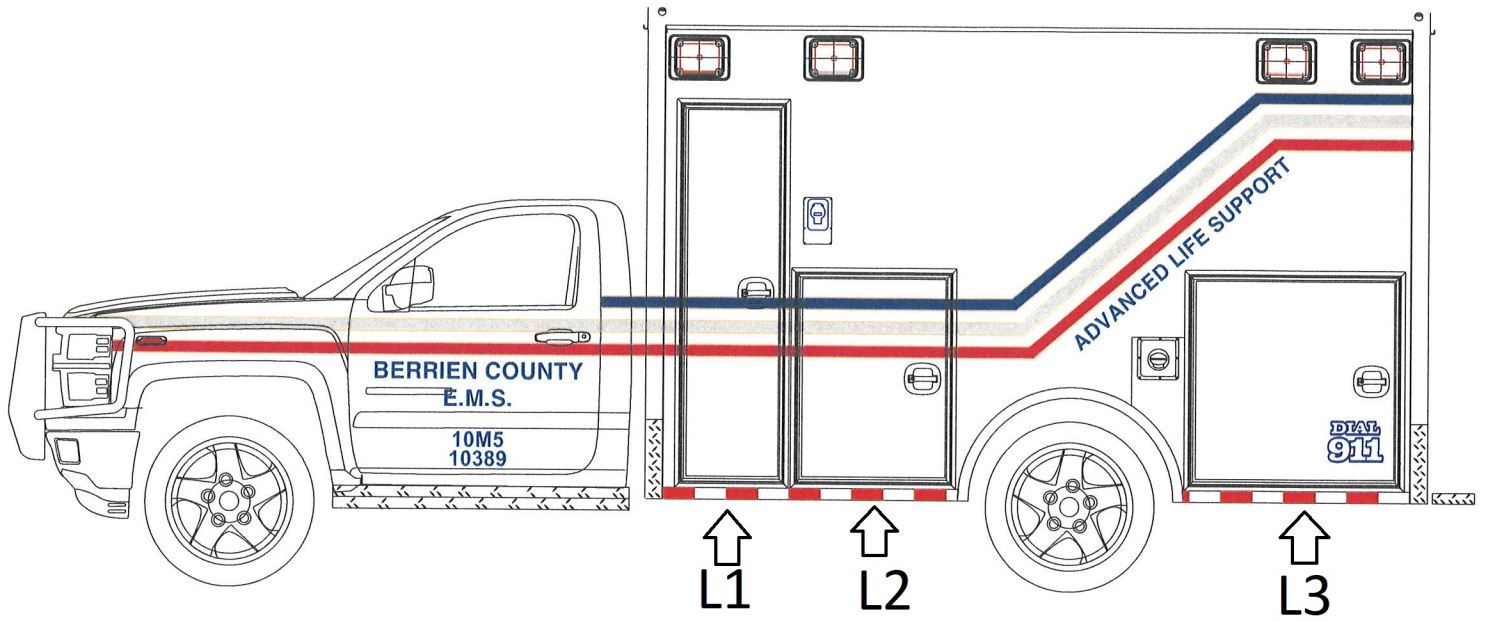
# SECTION 7 – NON-EMERGENCY LIGHTING SYSTEM

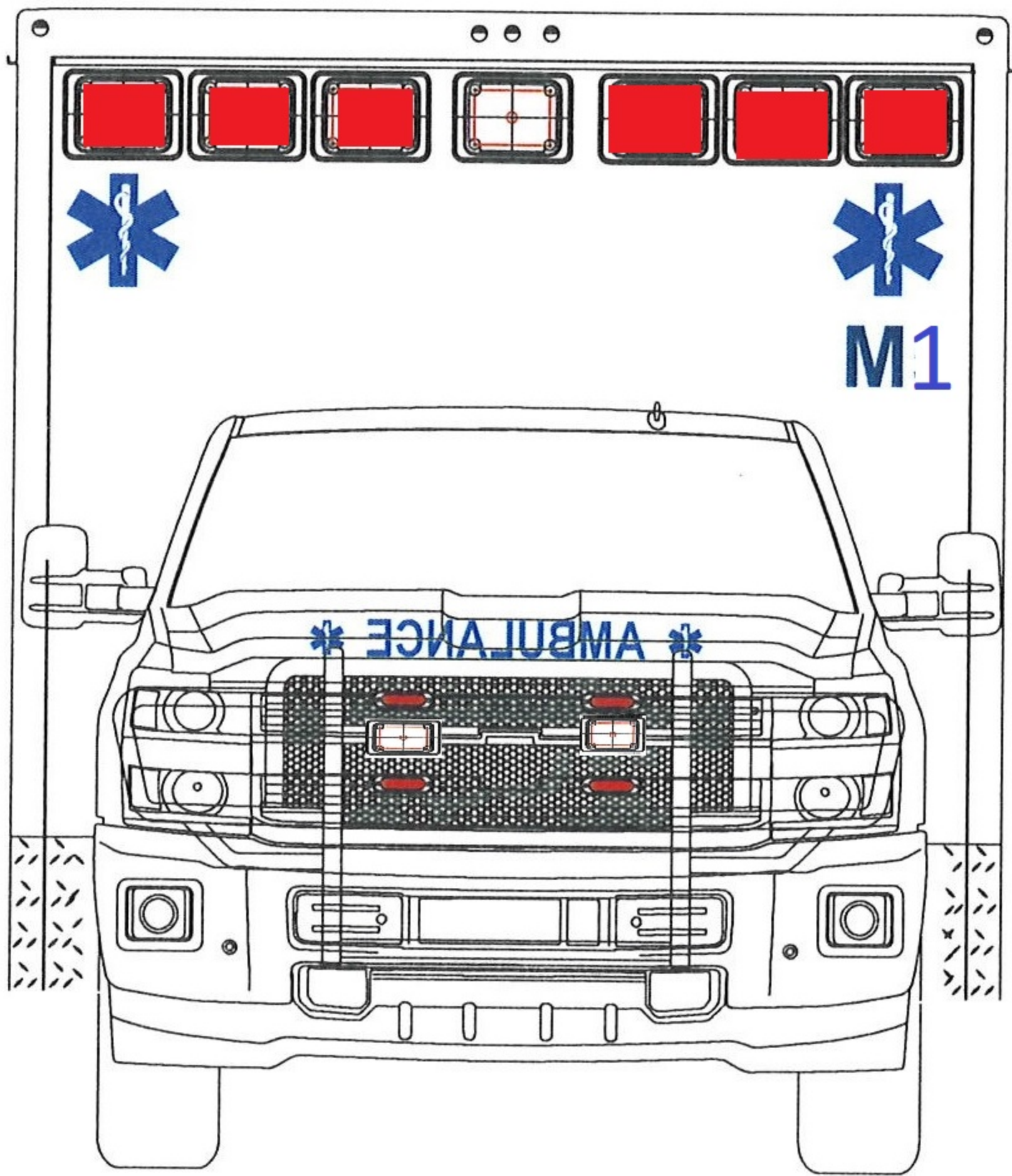
QTY	UOM	PRODUCT NAME	DESCRIPTION	COMLIANCE
1	Set	Marker Lights	All marker lights on the module will be surface mount LED lights	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Sets Each	Scene / Loading Lights	<p>Scene and loading lights shall not be less than 75" above the ground and shall not be obstructed by open doors. Floodlights shall be located on the left and right sides of the ambulance and be firmly fastened to the body surfaces below the roof line. The lamp(s) H-V shall be projected downward at an angle of 13 degrees from the horizontal plane.</p> <p>There shall be two (2) Whelen M Series, model M Gradient Opti-Scene LED on each side of the modular body as side scene or flood lights. Each light shall contain 24 diodes and have a unique internal and external optic design. Scene light switches shall be located on the cab console and control each side independently. The curb side scene lights shall automatically illuminate anytime the Master Switch is in the on position and the side entry door is opened.</p> <p>There shall be two (2) Whelen M Series, model 9SC0ENZR Gradient Opti-Scene LED on the rear of the ambulance as rear loading lights. Each light shall contain 24 diodes and have a unique internal and external optic design. The rear loading lights shall operate automatically whenever the Master Switch is on and the rear doors are opened and shall be incorporated with the FMVSS backup lighting system.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Set	Vehicle Interior Lighting	The basic interior ambulance lighting configuration shall be designed to minimize electrical loads and include: a driver's compartment dome light, instrument panel lights, master switch panel and console light(s), and above the passenger seat a dome light capable of red and white illumination. Lighting should be designed and located so that no glare is reflected into the driver's eyes or his line of vision from the switch control panels or other areas that are illuminated while the vehicle is in motion.	<input type="checkbox"/> YES <input type="checkbox"/> NO
18	Set	Patient Compartment Dome Lights	<p>The patient compartment shall be provided with eight (8) overhead low profile "dual intensity" LED dome lights. Whelen 80C0EHCR. Each dome light shall provide excellent color rendering for patient care/diagnosis. The light lens shall be smooth faced and guaranteed not to yellow or haze.</p> <p>There shall be four (4) lights located on the street side ceiling area and four (4) over the curb side ceiling area. These lights shall meet AMD Standard 016.</p> <p>The action area will have a Whelen 3SC0CDCR light centered over it controlled by an individual switch in the patient compartment control console.</p> <p>The telemetry area will have a Whelen 3SC0CDCR light centered over it controlled by an individual switch in the patient compartment control console. These lights shall be controlled from the rear compartment switch console.</p> <p>The dual level lighting shall work together or may be separately selected from side to side. The dual level feature shall be activated by rocker type switches located in the attendant's control panel.</p> <p>When either the side or rear door(s) are opened, the four (4) lights over street side area shall be automatically activated in the low intensity mode.</p> <p>The lights over the curb side area shall not light automatically to conserve power.</p> <p>There will be a switch in the front console to turn on the curb side lights in low intensity mode.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

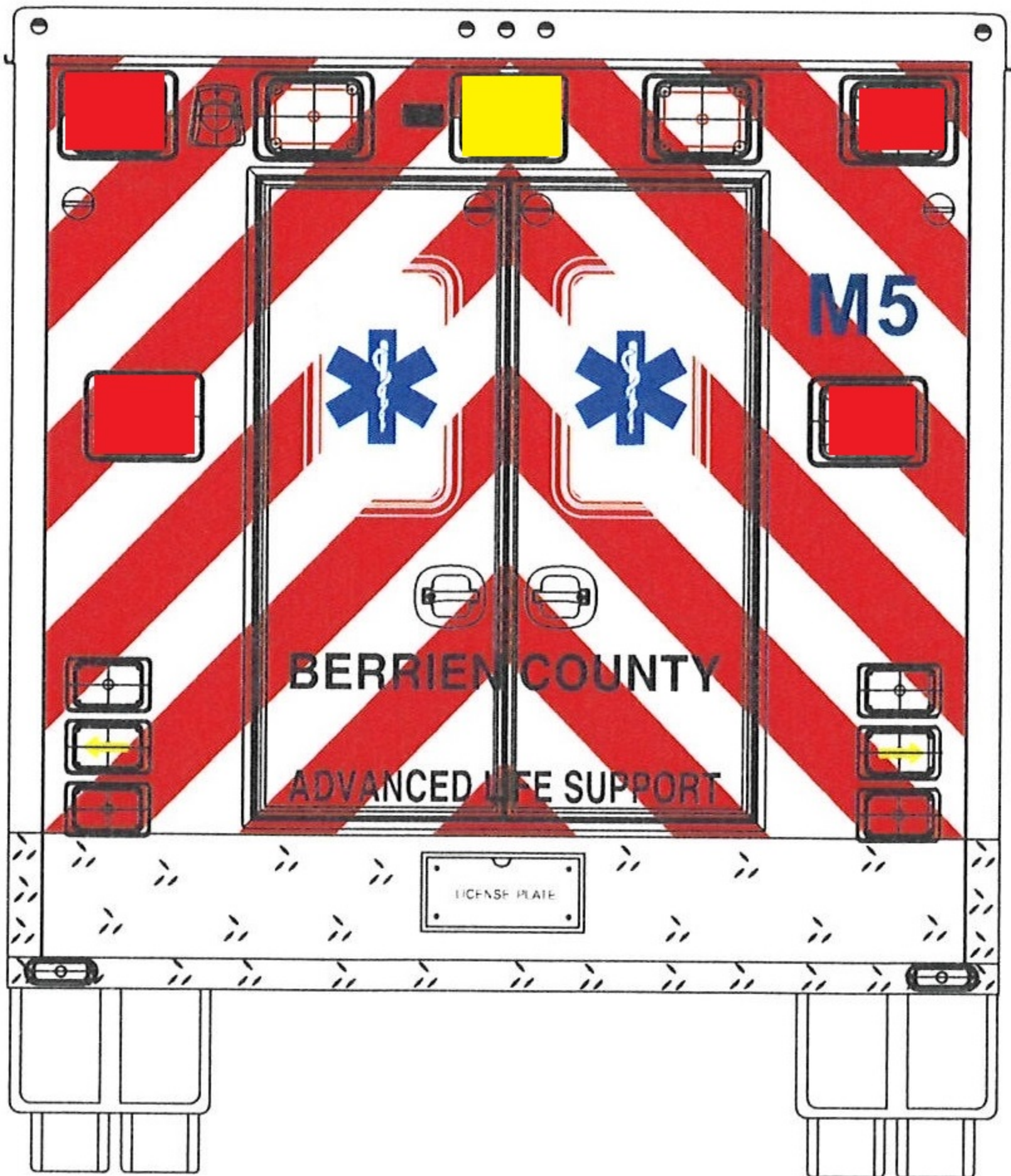
QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Check-Out Timer	A 15-minute spring wound mechanical timer shall be provided and installed at the head of squad bench adjacent to the side entry door. Timer to control the curb side dome lights.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Each	Exterior Compartment Lights	<p>Lighting for exterior storage compartments shall be accomplished utilizing UL Listed LEDs. Lights shall have an expected lifetime of 50,000 hours and shall be water, dust and impact resistant. Lights shall be activated by magnetic door jamb switches.</p> <p>Each exterior compartment shall have one (1) strip LED light installed full height on each side of the door opening. Lights shall not run across the top of the compartment door opening.</p> <p>All strip lights are to be installed as close to the door opening edge as possible but cannot interfere with the access to equipment and supplies.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO

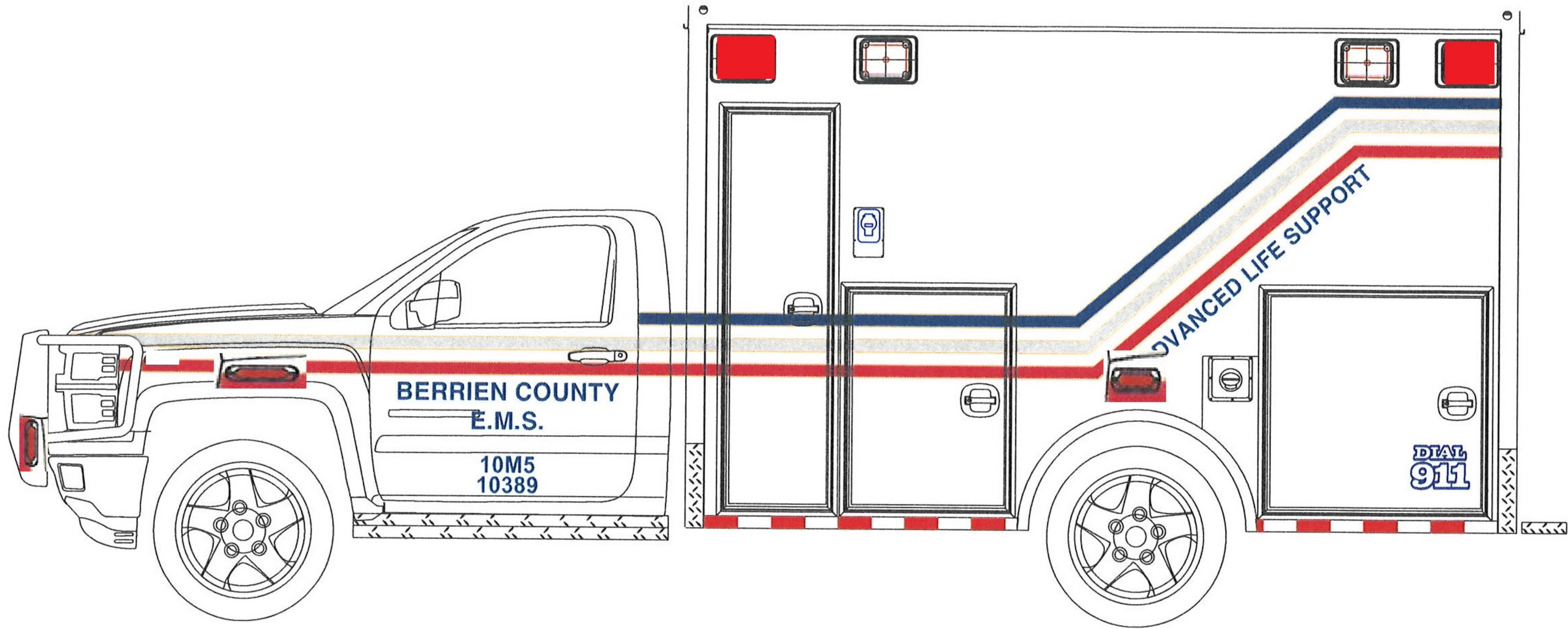
#### SECTION 8 – AUDIBLE WARNING SYSTEMS

QTY	UOM	PRODUCT NAME	DESCRIPTION	COMPLIANCE
1	Each	Audible Warning Systems Siren	The ambulance shall be equipped with a Whelen Remote Dual Siren Amplifier, with electronic airhorn button and Flush Mount Control Head. Hand's free function is not optional. PA microphone must be plug style to allow for it to be unplugged and stored separately.	<input type="checkbox"/> YES <input type="checkbox"/> NO
1	Set	Howler Siren Amplifier	With two (2) speakers mounted in the area of the bumper/grill.	<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Each	Siren Speakers	Two (2) 100-watt speakers shall be installed through the front bumper.	<input type="checkbox"/> YES <input type="checkbox"/> NO









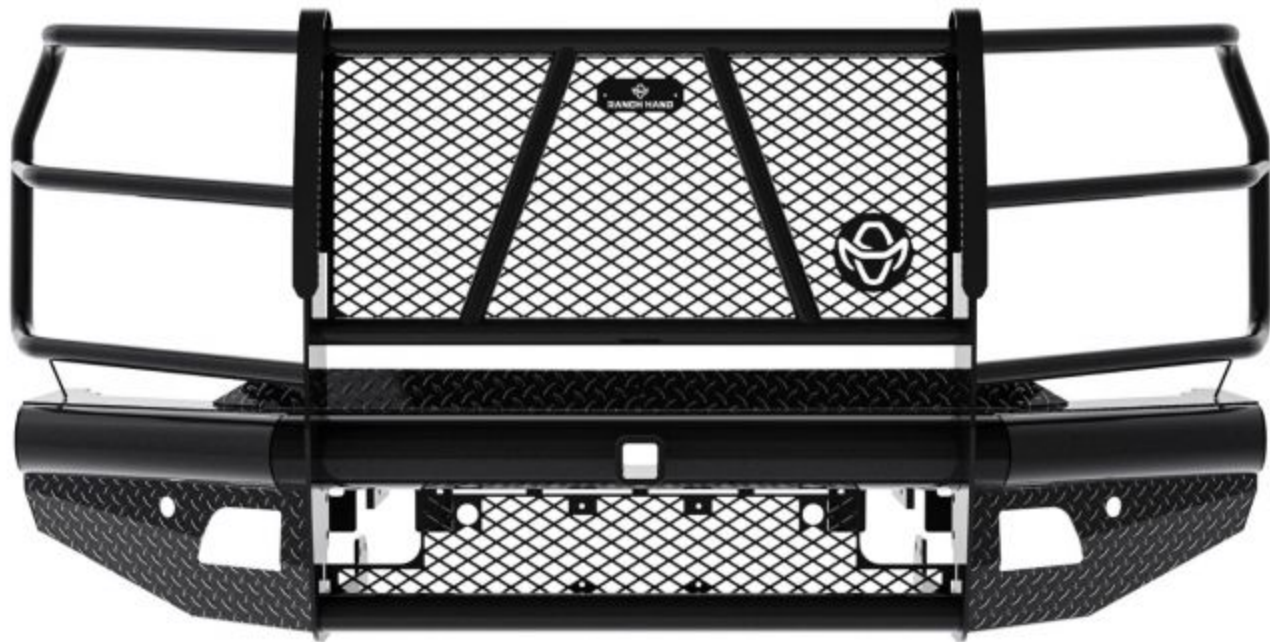
Narcotic  
Safe

LOCKING

PASS  
THRU

I/O ACCESS

I/O ACCESS





## Sierra Wireless Antenna – 6-in-1 Dome 5G

The 6-in-1 Dome has been tested and certified to operate with AirLink LTE routers and gateways. It has a low profile design that contains six isolated high performance antenna elements in a single housing for optimal coverage; two ultra-wideband elements spanning 617-960/1710-6000MHz support MiMo at LTE and 5G NR frequencies; a high performance (advanced filtering) GNSS antenna with an integrated 26dB gain LNA, and three dualband 2.4/5GHz Wi-Fi elements that provide 3x3 MiMo Wi-Fi.

The antenna is ground plane independent, and maintains a high level of performance even when mounted on a non-metallic surface.

PART NO.		Specification	
		6001363 (White)/6001364 (Black)	
ELECTRICAL DATA			
Frequency Range	Cellular	617-960/1710-6000 MHz	
	Wi-Fi	2.4/4.9-6GHz	
Operational Bands	Cellular	2G/3G/4G LTE/5G NR Sub6	
	Wi-Fi	2.4/5.0GHz Wi-Fi	
Peak gain: Isotropic*	Cellular	617-960MHz	5dBi
		1710-3800MHz	9dBi
		4900-6000MHz	10dBi
	Wi-Fi	2.4/4.9-6.0GHz	8/10dBi
Typical Efficiency	Cellular	> 70%	
	Wi-Fi	> 80%	
Isolation	Cellular	> 12dB	
	Wi-Fi	> 20dB	
Correlation Co-efficient	Cellular/Wi-Fi	< 0.1	
Polarisation		Vertical	
Impedance		50Ω	

\* Simulated off a groundplane and does not include cable attenuation

		Specification
GPS/GNSS DATA		
Frequency Range		1562-1612MHz
VSWR		<2:1 ± 4MHz
Typical Noise Figure		-2.7dB
Gain: LNA		26dB
Notch Filter Rejection @787MHz		23dBm
Operating Voltage		3-5V DC
Approval		E11
Current		<15mA
MECHANICAL DATA		
Dimensions	Height	75mm (3")
	Diameter	180mm (7.1")
Operating Temp		-40° / +80°C (-40° / 176°F)
Material		ASA & Diecast Aluminium
Colour		Black/White
Ingress Protection		IP69K
MOUNTING DATA		
Mounting Type		Bolt Mount
Mounting Hole		19mm (3/4")
CABLE DATA		
Cell / LTE Cables	Type	C32
	Length	5m (16ft)
	Termination	SMA Plug
GPS Cable	Type	CS29
	Length	5m (16ft)
	Termination	SMA Plug
Wi-Fi Cables	Type	CS32
	Length	5m (16ft)
	Termination	RP-SMA Plug

## About Sierra Wireless

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is a world leading IoT solutions provider that combines devices, network services, and software to unlock value in the connected economy. Companies globally are adopting 4G, 5G, and LPWA solutions to improve operational efficiency, create better customer experiences, improve their business models, and create new revenue streams. Sierra Wireless works with its customers to develop the right industry-specific solution for their IoT deployments, whether this is an integrated solution to help connect edge devices to the cloud, a software/API service to manage processes with billions of connected assets, or a platform to extract real-time data to improve business decisions. With more than 25 years of cellular IoT experience, Sierra Wireless is the global partner customers trust to deliver them their next IoT solution.

For more information, visit [www.sierrawireless.com](http://www.sierrawireless.com).

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