

KKK Change Notice

Item Number	Name	
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00-01-0001	GENERAL CONDITIONS	Y ___ N ___
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PURCHASER: The "Purchaser" who is hereinafter described as an individual, or a group of individuals who represent the interest of a City, Borough, County, Parish, State, or Private enterprise AND has been charged with the responsibility of purchasing one or more emergency medical ambulance(s).

BIDDER: The "Bidder" is hereinafter defined as the ambulance manufacturer and/or its authorized Representative/Dealer.

BIDDER'S INSTRUCTIONS

Bidders shall thoroughly examine all drawings, specifications, schedules, instructions and any other documents supplied as part of this invitation to bid and shall make all investigations necessary to thoroughly inform themselves regarding the content of the written specifications, drawings, and instructions supplied herein. No plea of ignorance by the bidder pertaining to the content of the specifications, drawings, schedule, or instructions will be considered by the purchaser on the deadline, if bid submission has occurred. Failure or omission on the part of the bidder to make the necessary examinations and investigations into the content of the specifications AND make all clarifications or explanations of exceptions and conditions that exist or that may exist hereafter shall NOT be accepted as a basis for making variations to the requirements of the purchaser or compensation to the bidder.

CLARIFICATIONS: Clarifications shall be written correspondence between the bidder and the purchaser. A clarification shall include the page number, paragraph number, the text with unclear content (as written in the specification) and the definition of the clarification provided.

The Purchaser's clarifications shall be documented in writing and distributed to all qualified bidders at least two business days prior to the deadline for bid submission.

EXPLANATION OF EXCEPTIONS: Bidders may take exceptions to any part of the bid contained herein with a written itemized schedule. The schedule shall include the page number, paragraph number(s), the text that the bidder feels he cannot comply with and an explanation why the bidder feels that the requirement is not in the best interest of the purchaser AND/OR an alternate bidder solution. Alternate bidder solutions may be considered by the purchaser, if the bidder can show the purchaser that the alternate solution is, in quality and quantity, equal to OR better than the specified item. Explanations of exceptions taken must be documented and submitted with the bid proposal on or before the bid submission deadline.

PURCHASER'S INTENT

The intent of the specifications supplied herein is to purchase an ambulance with the highest level of quality and engineering excellence. The intent of this vehicle is centered on the patient's need for pre-hospital care, in conjunction with a safe working environment for the Emergency Medical Personnel.

NO ALTERNATE BIDS TAKING TOTAL EXCEPTION

BID PACKAGES SHALL NOT TAKE TOTAL EXCEPTIONS: Bidders are required under this bid invitation to give, for the consideration of the purchaser, a proposal that will comply with the written specifications, drawings, and schedules supplied herein. The specifications supplied represent a compilation of input from all disciplines of users, patients,

maintenance and management personnel who are directly affected by the vehicle performance. All the personnel who have direct working contact with the vehicle specified herein base careful consideration pertaining to safety, configuration, construction, and workmanship on working experiences. The intent of this ambulance was created as a result of resolving issues and improvement suggestions that have originated from the personnel most QUALIFIED to make such input.

The purchaser makes no claim that potential issues or improvements are included in the specifications supplied herein. The purchaser will consider any valid concern by any bidder and will consider only minor specification exceptions or alternates of equal or better performance, provided that the exceptions are steered toward meeting the intent AND the exceptions are submitted with the final bid proposal on or before the bid deadline.

CAUTION: A bidder who submits a bid that takes "Total Exception" and makes an offering of some "Standard" or "Stock" unit will be viewed by the purchaser as a bidder who did not make, and is not prepared to make, a valid bid, and is not qualified to manufacture the ambulance as specified herein. Alternate bids shall NOT be considered.

INTER-AGENCY AGREEMENTS (PIGGY-BACK)

It is the intent of this bid document to make available to other government entities, by mutual agreement with the successful Bidder, the right to purchase the same or like equipment and or products, at the prices quoted for the period of the contract. Each Bidder shall indicate in the bid proposal, if the Bidder will honor other political subdivision's orders, in accordance with contract terms and conditions. This procedure is sometimes identified as a "Piggy-Back" Bid.

VENDOR QUALIFICATIONS

Regardless of chassis purchased, all bidders shall be members in good standing of the Ford Motor Company Qualified Vehicle Modifier Program (Q.V.M.). Certification verification shall be provided with the bid response. If for any reason the Q.V.M. Certification was withdrawn or suspended by Ford Motor Company within the past five years, the bidder shall supply a full written explanation of the Q.V.M. withdrawal or suspension and any corrective actions taken to regain Q.V.M. Certification.

PRODUCT LIABILITY INSURANCE

A Certificate of current liability insurance, with a Twenty-one Million Dollar minimum shall be supplied with the bid submission. The certificate of insurance shall bear the insurance carrier's name, address, and phone number. The Certificate shall also bear the name and address of the insured. This document shall contain the coverage schedule, explaining the type of insurance, the policy number, the effective date of coverage, the policy expiration date, and the individual limits of liability.

DRUG FREE WORKPLACE

The bidder shall conduct business as a Drug Free Workplace. The bidder/manufacturer shall provide notice to their employees as required under the Drug Free Workplace Act of 1988. A copy of the bidder's Drug Free Workplace policy shall be furnished to the purchaser upon request.

CHASSIS POOL

The bidder shall be a member of the Ford Motor Company's and/or the General Motor Company's Chassis Bailment Pool, regardless of the chassis specified within this

specification. The bidder shall provide a current Ford Motor Company and/or General Motor Company's Pool account number to the purchaser upon request.

AMBULANCE SPECIFICATION

All ambulance modules in this specification must be built in the United States of America.

PRODUCT TESTING

AMBULANCE MANUFACTURER'S DIVISION: The Bidder shall be a member in good standing with the National Truck Equipment Association (N.T.E.A.) and the Ambulance Manufacturer's Division (A.M.D.) of N.T.E.A. The bidder shall supply a letter with the bid response to verify current membership in both the N.T.E.A. and the A.M.D.

SAE J3057: AMBULANCE MODULAR BODY EVALUATION-QUASI-STATIC LOADING FOR TYPE I AND TYPE III MODULAR AMBULANCE BODIES

SAE J3057 – The ambulance described herein shall be tested and pass all requirements of SAE J3057: Ambulance Modular Body Evaluation-Quasi-Static Loading for Type I and Type III Modular Ambulance Bodies. The test results shall be certified by an independent engineering firm not directly associated with the Ambulance Manufacturer. These certified test results shall be supplied to the purchaser upon request.

ROLLOVER CRASH TEST

The manufacturer shall perform a dynamic rollover crash test with video documentation to be provided to the Purchaser upon request. Crash tests shall be performed within a controlled and repeatable environment. All testing shall be performed by an ISO/IEC 17025 accredited laboratory by an accreditation body that is recognized by the National Cooperation for Laboratory Accreditation (NACLA) or is a signatory to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA). Refer to the following publications for specifications:

- SAE J211-1 Instrumentation for Impact Test – Part 1: Electronic Instrumentation
- SAE J211-2 Instrumentation for Impact Test – Part 2: Photographic Instrumentation
- SAE J21733 Sign Convention for Vehicle Crash Testing
- SAE 3027 Ambulance Litter Integrity, Retention, and Patient Restraint

SIDE IMPACT CRASH TEST

The manufacturer shall perform a dynamic side impact crash test with video documentation to be provided to the Purchaser upon request. Crash tests shall be performed within a controlled and repeatable environment. All testing shall be performed by an ISO/IEC 17025 accredited laboratory by an accreditation body that is recognized by the National Cooperation for Laboratory Accreditation (NACLA) or is a signatory to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA). Refer to the following publications for specifications:

- SAE J211-1 Instrumentation for Impact Test – Part 1: Electronic Instrumentation
- SAE J211-2 Instrumentation for Impact Test – Part 2: Photographic Instrumentation
- SAE J21733 Sign Convention for Vehicle Crash Testing
- SAE 3027 Ambulance Litter Integrity, Retention, and Patient Restraint

KKK-A-1822F TESTING CERTIFICATION

The bidder shall provide documentation within this bid proposal, which verifies that all KKK-A-1822F testing is current and certified by an independent engineering firm.

QUALITY ASSURANCE - SPECIFICATION COMPLIANCE

The manufacturer shall inspect and test all systems and electrical loads per Federal specification KKK-A-1822F Section 4. Testing results shall be documented and displayed in the oxygen compartment and supplied with the vehicle delivery handbook.

NOTE: The purchaser will have zero tolerance towards bidder/vendors who state compliance to specification, but delivers an incomplete product and/or substandard materials and workmanship.

NON-COLLUSIVE BID CERTIFICATION

By submission of this bid response, the Bidder and/or Bidder's authorized representative(s), certify under penalty of perjury, to the best of their knowledge and belief the following:

- A. The prices in this bid response have been arrived at independently without collusion, 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, and;
- B. Unless otherwise required by law, the prices which have been quoted in the bid response have not knowingly been disclosed by the Bidder and will not knowingly be disclosed by the Bidder, prior to the public bid opening, either directly or indirectly to any competitor, and;
- C. No attempt has been made or will be made by the Bidder, for the purpose of restricting competition, to induce any person, partnership, or corporation not to submit a bid response.

DEBARMENT STATUS

By submission of this bid response, the Bidder and/or its authorized representatives, certify under penalty of perjury, that to the best of their knowledge and belief they are not currently debarred from submitting bids or bidding on contracts from any agency within the home state of the purchaser, nor are they an agent of any person or entity that is currently debarred from submitting bids on contracts by any agency within the home state of the purchaser.

DELIVERY STATEMENT

The bidder shall state the number of calendar days required for delivery of the completed ambulance, after receipt of an order and receipt of chassis by the manufacturer.

Delivery shall be within _____365_____ calendar days after receipt of order and receipt of chassis. (State number of calendar days)

REQUIRED DELIVERY ITEMS

REQUIRED DELIVERY ITEMS: Upon a successful bid award, the vendor shall provide the following to the purchaser, upon ambulance delivery:

1. Manufacturer's Quality Assurance Vehicle Testing and acceptance documents.
2. One (1) copy of conversion parts, service, and operational manuals.
3. OEM Chassis Owner's Guide materials as provided by the chassis manufacturer.
4. One (1) copy of "as built" customized electrical schematics for the ambulance conversion.

PURCHASER'S RIGHTS

ACCEPTANCE OR REJECTION: The Purchaser reserves the right to accept or reject any and all bids as deemed to be in the best interest of the purchaser and is not bound to accept the lowest bid.

BID PROPOSAL TIME LIMITS: All bids submitted to the purchaser shall remain in effect for a minimum period of (60) sixty calendar days.

BID WITHDRAWAL: Only written bid withdrawal requests will be accepted by the purchaser. Bid withdrawals received less than (3) three working days prior to the advertised bid opening will not be accepted.

FORCE MAJEURE

Company shall not be liable or responsible to Purchaser, or be deemed to have defaulted or breached these Standard Terms and Conditions, for any failure or delay in fulfilling or performing any of these Standard Terms and Conditions when and to the extent such failure or delay is caused by or results from acts or circumstances beyond the reasonable control of Company including, without limitation, acts of God, flood, fire, earthquake, explosion, governmental actions, war, invasion or hostilities, terrorist threats or acts, riot or other civil unrest, national emergency, revolution, insurrection, epidemic/pandemic, telecommunication breakdown, power outage, lockouts, strikes or other labor disputes (whether or not relating to either party's workforce), restraints or delays affecting carriers, inability or delay in obtaining chassis from an original equipment manufacturer or other supplies of adequate or suitable components or materials at reasonable prices. Any delays of subcontractors occasioned by any of the causes specified in the immediate preceding clause.

00-01-0006	DYNAMIC SIDE IMPACT & ROLLOVER TESTS Bidder shall perform Dynamic Side Impact & Rollover Tests with same module that was involved in side impact crash test. This module must be the same brand, make, and model for both tests. Video documentation to be provided to the Purchaser upon request. Crash test shall be performed within a controlled and repeatable environment, validated by a third-party testing facility. -----	Y ___ N ___
00-01-0017	BIDDER IS KKK-A-1822F AMENDMENT 1 COMPLIANT -----	Y ___ N ___
80-10-0000	KKK-A-1822F COMPLIANCE PACKAGE A KKK-A-1822F compliance sticker, electrical load analysis sticker, and payload sticker shall be installed in the oxygen compartment. Any deviations from KKK-A-1822F shall be listed in the vehicle delivery packet with a notation on the-compliance sticker. -----	Y ___ N ___

Chassis

Item Number	Name	
25XLE450	TYPE III - AMBULANCE - XL III E450 - 72 INCH INTERIOR HEADROOM SPECIFICATION INTENT: Type III 169-inch module, constructed with not less than a 72-inch interior module height, an overall length of 272.75-inches, an overall width of 98-inches, and an overall exterior height not to exceed 106.5-inches.	Y ___ N ___
CH_E2450L	CHASSIS - FORD E450 158" WB 4X2 DRW (100 C.A.) GAS ENGINE E4F FORD E450 CUTAWAY CHASSIS, 158" WB 4X2 DRW (100 C.A.) GAS ENGINE POWERTRAIN <ul style="list-style-type: none"> • 7.3L V8 Premium Engine • Transmission-6 Speed O/D w/Tow Haul 	Y ___ N ___

- 50 State Emissions System
- 7.3L V8 Premium Engine

EXTERIOR

- Auxiliary Fuel Port
- Auxiliary Transmission Oil Cooler
- Ford Oval on Grille
- Glass Solar
- Bumper - Chrome, Front
- Grille - Chrome
- Daytime Running Lights Controlled via Dash Display
- Headlamps with Autolamp - Dual Sealed Beam W/Fixed Lens
- Fuel Tank 55 Gallon (aft of axle)
- Mirrors, Manual Telescopic Trailer Tow Mirrors Power Adjust Flat Lens
- Tires, LT225/75R x 16E BSW A/S
- Spare Tire Wheel
- Steel Valve Stems
- Wheels 16" x 6" Painted White Steel
- Insulation Package
- License Plate Bracket

INTERIOR

- Dash Sound Absorber
- Floor Covering - Front, Vinyl
- Glove Box w/Auxiliary 12V Power Point
- Key In Ignition Warning Chime
- Mirror - Interior Day/Night Rearview Mirror
- Seats - Dual High-Back Cloth Captain Chairs - Medium Flint
- Step Well Pads - Black Plastic
- Courtesy Light Switch - Front Door
- Front Dome Light
- Steering Wheel - Tilt Telescoping
- Driver Passenger A-Pillar Grab Handle
- B-Pillar Trim Kit Full LH/RH B-Pillar Trim
- Driver Passenger Black Cowl Trim Panels
- Headliner and Sun Visors - Vinyl
- Instrument Panel - Medium Flint
- Medium Flint with Single Stowage Area Door - Trim Panels

FUNCTIONAL

- Alternator - 240 Amp
- Batteries - Dual 78 Amp Hr
- Brakes - 4 Wheel Disc Brakes with Traction Control
- Horn - Dual Note
- Shock Absorbers - Heavy Duty
- Steering - Power

- Steering Gear - Heavy Duty
- Tachometer
- Windshield Wipers - Interval
- Air Conditioning
- Audio - Bluetooth AM/FM Stereo / Clock / USB Input
- Front, Twin I Beam
- Axle Rear, Limited Slip (4.56 Ratio)
- Dual USB Ports in Instrument Panel
- PowerPoint – 12V
- Stabilizer Bar - Front and Rear Stabilizer Bars
- Engine Block Heater
- Instrument Panel Electronic Message Center - Upgraded
- Power Windows and Locks Incl. 1-Touch Down Power Driver Window
- Remote Keyless Entry
- Auxiliary Heater – Air conditioning Connector Package
- Frame Pucks

SAFETY / SECURITY

- Dual Airbags - Second Generation
- Passenger Airbag Cutoff Switch
- Electronic Stability Control
- Safety Belts - Medium Flint w/Height Adjustable D-Ring
- Traction Control

DRIVER ASSIST FEATURES

- Hill Start Assist
- Driver Assist Technology Package. Includes: Automatic Emergency Braking, Distance Alert/Distance Indication, Post Collision Braking, Adaptive Cruise Control, Lane Departure Warning, Driver Alert System, Auto High-Beam Headlamps

WEIGHT RATINGS

- Front Gr Axle Weight Rating 5,000
- Rear Gr Axle Weight Rating 9,600
- Gr Vehicle Weight Rating 14,500

ADDITIONAL OPTIONS

- YZ Oxford White Clear Coat
- ME Medium Flint
- 780A Preferred Equipment Package
- 47H Ambulance Prep Package
- 18A High-Series Exterior Upgrade Package
- 18C Interior Upgrade Package

15-00-0010

FUEL TANK - FULL UPON FACTORY RELEASE

Y ___ N ___

The chassis fuel tank of the completed unit shall be full at time of release from the ambulance manufacturer's facility.

20-10-0603	ENGINE BLOCK HEATER - OEM PLUG An engine block heater shall be included in the chassis with the 125 VAC power cord.	Y ___ N ___
20-20-0252	HEAT SHIELDS, PROTECTIVE Aluminized steel protective heat shields shall be installed to the upper laterals above the exhaust system to help protect the module from the chassis exhaust system heat. This shall meet OEM guidelines for heat shields. -----	Y ___ N ___
20-20-0277B	HIGH IDLE SYSTEM - B A high-idle module will be added to the chassis. The high idle will be engaged automatically by the M-Tech system when all chassis parameters are met. Chassis parameters include but not limited to vehicle in park, service brake not depressed, accelerator not depressed, parking brake set and battery voltage. High-idle may also be activated by the M-Tech heat or A/C. FORD F-SERIES ONLY: A high-idle/parking brake module will be added to the chassis The chassis parking brake signal will also be provided by this module.	Y ___ N ___
20-10-0203	BATTERY - TWO SYSTEM - E SERIES GAS CHASSIS The vehicle shall have a two (2) battery, 12-volt system rated at 1500 cold cranking amps (CCA). One battery will be securely installed in a slide out drawer, located on the lower right front of the module. The second battery shall be installed under the chassis hood. -----	Y ___ N ___
20-23-0101	FLOOR CONSOLE E450 STANDARD CONSOLE - ALUMINUM A center floor console manufactured out of aluminum and covered in a black onyx scratch resistant, multi-use polychromatic coating with a clear epoxy finish shall be installed in the cab. 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 and shall be labeled with its weighted capacity. -----	Y ___ N ___
30-10-0030	BACKUP ALARM An (OSHA approved) back up alarm shall be installed with a disable control for silent backing. The disable control shall be located on the MCC (master control console). The back up alarm system shall automatically reset to the "on" mode when the transmission is taken out of reverse. -----	Y ___ N ___
20-30-0804	RUNNING BOARDS - STAR PUNCHED DIAMOND PLATE Flared aluminum diamond plate running boards with a star punched non-skid surface shall be provided on the cab. The running boards shall be wider toward the rear extending out towards the corners of the module. The running boards shall be bright dip anodized after they are formed to retain finish and increase corrosion resistance. -----	Y ___ N ___
40-10-0112	FUEL FILL PROTECTOR - STAINLESS STEEL A stainless steel fuel fill protector shall be provided and installed. -----	Y ___ N ___
30-25-0201	LIGHTS RUNNING BOARD -WHELEN MINI-LED One (1) pair of Whelen white Mini-LED's shall be installed one (1) each side, low on the module front, as running board lights. The lights shall activate with the cab door switches. -----	Y ___ N ___
20-30-0201	MIRRORS, EXTERIOR OEM MANUAL TELESCOPING- REMOTE WITH/CONVEX	Y ___ N ___

The chassis shall have OEM telescopic trailer tow mirrors with power adjustable flat glass and manual adjustable convex glass.

20-30-0261 OEM AUTO-LOCK DISABLED (cab & module doors do not auto lock or unlock) Y ___ N ___
The OEM auto-lock feature will be disabled.

30-10-0753 SIREN, WHELEN 295-HFSA7-REMOTE WITH MICROPHONE (Meets CA Title 13) Y ___ N ___
A Whelen 295-HFSA7 remote dual siren amplifier shall be flush-mounted in the master control console located in the cab. The siren shall be capable of hands-free operation and shall be equipped with a noise canceling microphone. Note - Meets CA Title 13. Some features of this siren include:

DUAL 200 WATT, FLUSH MOUNT SIREN with REMOTE SIREN AMPLIFIER

- Six function siren plus radio repeat and public address.
- Operates two 100-watt speakers.
- Operates in dual (outputs 2 independent siren tones creating rich harmonic dual tone sound) or mono sound modes.
- External dip switch programmable siren tones.
- PTT (push to talk) switch on microphone overrides all siren functions.
- Removable unidirectional microphone with adjustable microphone volume adjustable preset radio repeat volume.
- SI TEST®, silent diagnostic test.
- Quick disconnect plug for ease of service or replacement.

12 Siren Tones

- Air horn
- Wail
- Yelp
- Piercer
- Manual Coast to Stop
- Manual
- Mechanical Coast to Stop
- Hi/Low
- Yelp 249
- Warble
- Whoop
- Mechanical Tone

30-10-0809 SIREN SPEAKERS, WHELEN SA315 - BEHIND THE GRILLE Y ___ N ___
Whelen dual 100-watt siren speakers shall be installed behind the grille area.

20-40-0206-10 WHEEL SIMS - STAINLESS WITH VALVE STEM EXTENSIONS - E SERIES CHASSIS Y ___ N ___
Stainless steel full wheel simulators shall be provided for the front and the outside rear wheels. Air Max valve extensions shall be provided to properly inflate the inner dual rear tires.

Electrical

Item Number Name

30-06-0004 ELECTRICAL SYSTEM - WELDON V-MUX, MICRO PROCESSOR BASED Y ___ N ___
A Weldon V-MUX 100% solid state microprocessor based multiplex system shall be installed to control the electrical functions. The system shall include load management,

load shedding, power modulation, load sequencing capabilities and provide on-board diagnostics with real-time status reporting. The system shall consist of one (1) color control console (Vista) in the cab, one (1) color control console (Vista) in the patient compartment, a total of three (3) control nodes: two (2) High Content nodes and one (1) 8 X 16 node, and a module warning display with video input and monitoring capabilities. The system must be a Weldon V-MUX. No exception. Bidders who propose any other proprietary electrical system shall be considered as non-compliant. Documentation required with bid submission. Bidder must supply with his/her bid proposal, a listing of not less than 1500 ambulances produced with the Weldon V-MUX system within the past 5 years. The documentation shall include a production order number, the purchaser's agency name, and the date the ambulance was delivered. Bids submitted without this documentation shall not be considered.

30-10-0110	<p>ELECTRICAL CIRCUITS</p> <p>All electrical circuits shall have wiring and circuit protection suitable to the demand and must meet the national electric code (NEC) wiring requirements. All added on wiring (18 GA through 10 GA) shall be color coded and stamped with code numbers and functions every 4" for easy identification (all other wiring shall be color coded). SLX high temperature thermoplastic cr link wire shall be used. insulated cable shall be used for all under hood / underbody battery and charging system cable. High temperature (375° f) thermoplastic loom shall be used on all harnesses.</p>	Y ___ N ___
30-06-0126	<p>ELECTRICAL COMPARTMENT (PDQ) - MULTIPLEX ELECTRICAL SYSTEM</p> <p>The Power Distribution Quarters (PDQ) shall hold electrical components, (i.e, power distribution nodes, circuit breakers, etc.). The electrical compartment shall have a hinged door with two (2) chrome locking lever latches and be shall located on the partition wall behind the attendant seat.</p>	Y ___ N ___
30-06-0325	<p>FLASHER - MULTIPLEX ELECTRICAL SYSTEM</p> <p>The flasher shall be provided within and programmed by the multiplex electrical system.</p>	Y ___ N ___
30-06-0350	<p>FLASHING HEADLIGHTS - MULTIPLEX ELECTRICAL SYSTEM</p> <p>The headlights (high beams) shall be programmed through the multiplex system to alternate flash (wig-wag), activated by a switch on the master control console screen labeled "Flashing Headlights", with the ignition on and module power and emergency master switches enabled. The flashing headlights are to be disabled when the low or high beams are activated. They are also disabled when the transmission is placed in the neutral/park position. The flashing headlights shall have the capability to be reactivated with the "park override" switch in the "on" position if the low and high beams are off.</p>	Y ___ N ___
30-10-0190	<p>GROUND FAULT CIRCUIT INTERRUPTER-GFCI</p> <p>A 125 VAC, 20 AMP circuit breaker with ground fault circuit interrupter (GFCI) electronic ground leakage detection shall be installed in the load center for the shoreline circuit.</p>	Y ___ N ___
30-06-0285	<p>MODULE DISCONNECT - MULTIPLEX ELECTRICAL SYSTEM</p> <p>An In-Power disconnect to keep the system power engaged after the ignition is switched to the "off" position.</p>	Y ___ N ___
30-06-0575	<p>REVERSE -TRANSMISSION- FUNCTIONS - MULTIPLEX ELECTRICAL SYSTEM</p> <p>The system shall be programmed to provide activation for the rear outboard warning lights, the rear side warning lights, the rear scene lights, and the rear side scene lights,</p>	Y ___ N ___

	when the transmission selector lever is placed into "reverse" position. -----	
30-06-0150	SPARE CIRCUIT - MULTIPLEX ELECTRICAL SYSTEM One (1) spare 15-amp circuit shall be provided. -----	Y ___ N ___
30-06-0175	WIRING HARNESS CONNECTORS - MULTIPLEX ELECTRICAL SYSTEM All wiring harnesses shall be connected via quick connect circular plug connectors. -----	Y ___ N ___
30-06-0300	VOLTMETER - MULTIPLEX ELECTRICAL SYSTEM One (1) digital voltmeter shall be provided on the master control console screen. -----	Y ___ N ___
30-06-0026	WARNING DISPLAY - MULTIPLEX ELECTRICAL SYSTEM A digital warning display shall be integrated into the cab display console and programmed through the multiplex system to provide visual and audible indications for: Parking brake set condition, Parking brake release condition, Patient status alarm (four color with reset capability), Individual outside storage compartment "door open" warnings in vehicle outline form, Low voltage alarm, Low oxygen pressure alarm. -----	Y ___ N ___
30-06-0225	EMERGENCY MASTER SWITCH - MULTIPLEX ELECTRICAL SYSTEM A single emergency master switch shall be supplied for activating all the emergency warning lights and shall be provided on the master control console screen. The emergency master switch will activate the module power automatically. There shall also be an Emergency Master Menu button which shall allow access to individual warning light functions. -----	Y ___ N ___
30-06-0250	CONTROL PANEL SWITCHES - MULTIPLEX ELECTRICAL SYSTEM The switches on the master control console and attendant control panel screens shall have dimmable perimeter backlighting for easy identification. -----	Y ___ N ___
30-06-0275	MODULE POWER SWITCH - MULTIPLEX ELECTRICAL SYSTEM A module power switch for the electrical system shall be provided on both the Master Control Console and the Attendant Control Panel screens. -----	Y ___ N ___
30-06-0101	ATTENDANT CONTROL PANEL (ACP) - MULTIPLEX ELECTRICAL SYSTEM The Attendant Control Panel (ACP) shall contain a color micro processor screen, which will control all equipment installed in the patient compartment. -----	Y ___ N ___
30-06-0375	PARK OVERRIDE - MULTIPLEX ELECTRICAL SYSTEM A park override switch, located on the master control console screen, shall reactivate all lights disabled when the transmission is placed in the neutral/park position. -----	Y ___ N ___
30-06-0400	LOAD MANAGER-SEQUENTIAL SWITCHING SYSTEM - MULTIPLEX ELECTRIC SYSTEM The load manager-sequential switching system shall be controlled by the microprocessor based electrical system. The emergency master button shall control the sequential switching of the emergency lights and/or other warning devices. The load manager shall automatically shed non-critical electrical loads during low voltage conditions to help prevent electrical system overload when the vehicle is stationary, and the transmission is in the park position. -----	Y ___ N ___
30-06-0450	FRONT CLEAR DISABLE SWITCH - MULTIPLEX ELECTRICAL SYSTEM	Y ___ N ___

	Activation of the switch on the master control console screen shall disable all forward-facing clear warning lights. -----	
30-06-0076	MASTER CONTROL CONSOLE (MCC) - MULTIPLEX ELECTRICAL SYSTEM A floor mounted Master Control Console (MCC) shall be located in the cab. The console shall house the siren and the color microprocessor display screen, which will control all the Emergency Warning functions as well as also being able to control the Patient Compartment lighting and module heat/ac functions. -----	Y ___ N ___
30-06-0475	CURBSIDE SCENE LIGHTS ON WITH CURBSIDE DOOR The Curbside scene lights shall be programmed to activate when the Curbside door is in the open position. -----	Y ___ N ___
30-06-0500	REAR SCENE LIGHTS ON WITH REAR DOORS OPEN The rear scene lights shall be programmed to activate when the rear doors are in the open position. -----	Y ___ N ___
30-06-0525	DISABLE SWITCH FOR REAR SCENE LIGHTS - MULTIPLEX ELECTRICAL SYSTEM A disable switch shall be installed at the rear door area to disable the rear scene lights. -----	Y ___ N ___
30-06-0550	DISABLE SWITCH FOR SIDE SCENE LIGHTS - MULTIPLEX ELECTRICAL SYSTEM A disable switch shall be installed at the curbside door area to disable the curbside scene lights. -----	Y ___ N ___
30-06-0015	VISTA IV ACP - PUSH BUTTON A Weldon V-MUX Vista IV interface module / display screen shall be provided and mounted on an angled flip - down panel with chrome lever latches, in the patient compartment ACP area. The Vista module shall be operated through the use of push buttons. A temperature sensor shall be mounted to the bottom of the ACP panel. -----	Y ___ N ___
30-06-0010	VISTA IV MCC - PUSH BUTTON A Weldon V-MUX Vista IV interface module / display screen shall be provided and installed in the cab. The Vista module shall be operated through the use of push buttons. -----	Y ___ N ___
30-10-0903	VISTA DISPLAY SCREEN - PUSH BUTTON - CURBSIDE - FIXED ANGLED One (1) Vista screen shall be provided in the patient compartment on the curbside wall on a fixed angled mount with removable plate per the location on . #6. -----	Y ___ N ___
30-10-0901	SYSTEM ACTIVE AND CHECK OUT LIGHTS - 15 MINUTES A switch shall be located at the curb and rear entry doors that will allow activation of the V-MUX electrical system. There shall also be a check out light switch located at the curb and rear doors that will allow activation of the left LED angled lights prior to entering the module. The system shall be programmed to shut down automatically after 15 minutes unless the ignition is on. -----	Y ___ N ___
30-06-0050	DAYTIME RUNNING LAMPS - MULTIPLEX ELECTRICAL SYSTEM The OEM Daytime Running Light Headlights , for daytime operation when transmission is placed in drive, as a feature of the multiplex system. (if not standard on the chassis). The OEM Daytime Running Light Headlights shall be activated, for daytime operation, when transmission is placed in drive as a feature of the multiplex system. (if not standard on the chassis). -----	Y ___ N ___

30-10-0071	CAMERA REAR VIEW - SINGLE SYSTEM - VISTA SCREEN A color camera system connected to the cab Vista display screen shall be installed, providing rear view monitoring to the rear exterior of the module. The camera shall be connected to the video input provided in the cab's Vista screen. This camera image shall automatically be displayed on the MCC Vista when the vehicle is placed in reverse. The Vista shall resume normal operation when the vehicle is taken out of reverse. Camera alignment will be conducted at final inspection, if applicable. -----	Y ___ N ___
30-10-0915	SYSTEM AUTO ACTIVE WITH ENTRY DOOR OPEN OR UNLOCK SIGNAL The system will auto activate when a module entry door is opened or when a door unlock signal is received. -----	Y ___ N ___
30-10-0585	USB - DUAL OUTLET, ONE (1) INTERIOR LOCATED ON CONSOLE One (1) dual USB port outlet, 5 volt / 2.1 amp, shall be installed on the Master Control Console in the cab. The outlet shall have power and ground for charging equipment, such as cell phones, iPad, etc.. -----	Y ___ N ___
USBAA101	OUTLET, USB - ONE (1) DUAL - PRIMARY ACTION AREA One (1) dual USB port outlet, 5 volt / 2.1 amp, shall be installed in the vehicle, located on the streetside primary action area in the patient compartment. The outlet shall have power and ground for charging equipment, such as cell phones, iPad, etc. -----	Y ___ N ___
125AA101	OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - LEFT WALL ACTION AREA One (1) 2-wire +plus ground 125 VAC hospital grade duplex outlet shall be installed in the street side wall in the primary action area, with wiring connected to the shoreline. An indicator lamp shall be located within the 125 VAC outlet as a line monitor to indicate a live circuit. The outlet shall be labeled, "125 VAC". -----	Y ___ N ___
125AA201	OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - SECONDARY ACTION AREA One (1) 2-wire +plus ground 125 VAC hospital grade duplex outlet shall be installed in the street side wall in the secondary action area, with wiring connected to the shoreline. An indicator lamp shall be located within the 125 VAC outlet as a line monitor to indicate a live circuit. The outlet shall be labeled, "125 VAC". -----	Y ___ N ___
125ADD	OUTLET, ADDITIONAL-125VAC Lower Front Wall Cabinet #2, upper left corner. -----	Y ___ N ___
125IF201	OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - FRONT WALL CABINET One (1) 2-wire +plus ground 125 VAC hospital grade duplex outlet shall be installed in the front wall cabinet, with wiring connected to the shoreline. An indicator lamp shall be located within the 125 VAC outlet as a line monitor to indicate a live circuit. The outlet shall be labeled, "125 VAC". -----	Y ___ N ___
30-10-0258	INVERTER, VANNER - 1100 WATT, LIFESINE LSC 12-1100-DC CHARGER A Vanner LifeSine LSC 12-1100-DC, 1100 watt inverter with battery conditioner/charger, shall be provided and installed per drawing (non-hardwired). -----	Y ___ N ___
12VAA101	OUTLET, 12VDC - ONE (1) - LEFT WALL ACTION AREA One (1) 12 VDC power point outlet shall be installed in the street side wall in the primary action area. The outlet shall be labeled, "12 VDC". A Schottky diode medical isolator shall be provided to protect the 12 VDC outlet. -----	Y ___ N ___

12VADD	OUTLET, ADDITIONAL-12V Lower Front Wall Cabinet #2, upper left corner. Secondary Action Area. -----	Y ___ N ___
12VIF201	OUTLET, 12VDC - ONE (1) FRONT WALL - CABINET One (1) 12 VDC power point outlet shall be installed in the patient compartment, in the front wall cabinet. The outlet shall be labeled, "12 VDC". A Schottky diode medical isolator shall be provided to protect the 12 VDC outlet. -----	Y ___ N ___
30-12-0001	RECEPTACLE SHORELINE INLET-SUPER 20 AMP, AUTO EJECT - YELLOW COVER A Kussmaul super auto eject shoreline inlet receptacle with yellow cover shall be installed on the module exterior (forward Streetside) near the driver's door. The receptacle shall be equipped with an integral dynamic disconnect. The 125 VAC, heavy duty 20-amp circuit breaker shall have GFCI protection and shall be connected to the lighted 125 VAC patient compartment outlet(s). A mating connector shall be shipped loose with the completed ambulance. -----	Y ___ N ___
30-10-0094	SHORELINE INDICATOR LIGHT- ALLIED VCC GREEN MINI NEON - EXTERIOR MOUNTED An Allied VCC green mini neon indicator light will be installed on the module and located near the shoreline inlet. The indicator shall illuminate when shoreline power is present at the inlet. -----	Y ___ N ___
30-10-0655	RADIO ANTENNA BASES - TWO (2) The coax cable(s) shall terminate in the cab behind the driver's seat. Two (2) antenna bases with attached coax cables shall be installed on the module roof. The coax cables shall terminate in the cab behind the driver's seat. Access to the antenna bases shall be through adjacent module interior dome lights. -----	Y ___ N ___
30-10-0299	LIGHT, ATTENDANT CONTROL PANEL AREA - TECNIQ SILHO-X LED - WARM WHITE A Tecniq Silho-X 2.75" round warm white LED light with SS trim ring, shall be mounted above the left wall forward action area counter. The light shall be operated through a button on the ACP Vista screen labeled "Attendant Light" -----	Y ___ N ___
30-10-0310	LIGHT, LED ELECTRICAL COMPARTMENT -PDQ A 12 VDC LED light shall be located in the electrical compartment. The light shall be wired "battery-hot" to activate when the power distribution quarter's door is in the open position. The light shall be off when the door is in the closed position. -----	Y ___ N ___
30-11-0106	LIGHTS, DOME LED (8) WHELEN SUPER LED Eight (8) Super LED dome lights, Whelen #80COEHCR, shall be provided in the patient compartment. The dome lights shall be controlled by separate switches for the left bank and right bank of lights. The dome lights shall be activated by switches on both the attendant control panel and the master control console. The dome lights shall be illuminated at low power whenever the patient compartment side or rear doors are opened. -----	Y ___ N ___
30-11-0152	LIGHTS, RIDGEBACK LED PANEL (3) STREETSIDE - ANGLED Three (3) LED lights shall be mounted on the angled panel above the streetside interior cabinets. These lights shall be three way switched from the attendant control panel and the master control console. -----	Y ___ N ___

30-10-0410	LIGHTS, COMPARTMENTS - INCANDESCENT The outside storage compartments shall be equipped with Truck-Lite brand incandescent lights, activated by magnetic switches. Compartments #1, #2, #3, and #4, each contain two (2) clear 4" round lights, and compartment #5 shall contain two (2) 2-1/2" clear round lights. -----	Y ___ N ___
40-10-0191	LOCKS POWER - PASSAGE, 5 COMPARTMENTS, KEY FOBs Power door locks shall be included on module passage doors and five (5) outside storage compartments. The locks shall be activated from the interior of the rear and the curbside doorway, as well as the OEM chassis cab door switches. A keyless entry system shall be installed. The system shall operate with the OEM key fobs to lock/unlock all cab doors, module passage doors, and outside storage compartment doors. NOTE: This does not include the battery bay door. -----	Y ___ N ___
40-10-0151	SWITCH DOOR UNLOCK, WATERPROOF - HIDDEN IN FRONT GRILLE AREA An exterior waterproof hidden door unlock switch shall be provided and installed in the front grille area. -----	Y ___ N ___
30-10-1001	PROGRAMMING, V-MUX - SIDE SCENE LIGHTS The V-Mux electrical system shall be programmed to activate the side scene lights with each respective side outside storage compartment door opening(s). -----	Y ___ N ___
30-10-1006	PROGRAMMING, V-MUX - REAR WINDOW LEVEL LIGHTS - BRAKE OVER RIDE Window level lights shall be tied into the brake circuit, and shall activate as low intensity brake lights when the brake pedal is depressed. -----	Y ___ N ___
30-06-0201	RADIO TIE-IN POINT - (1) 12V/40 AMP - CAB CONSOLE AREA Install (1) set of 12 volt/40 amp radio tie-in studs in cab console: (1) battery hot, (1) ignition hot, (1) grounded stud. -----	Y ___ N ___
30-06-0202	RADIO TIE-IN POINT - (1) 12V/40 AMP - PATIENT COMPARTMENT Install (1) set of 12 volt/40 amp radio tie-in studs in patient compartment: (1) battery hot, (1) ignition hot, (1) grounded stud. -----	Y ___ N ___
30-06-0203	RADIO TIE-IN POINT - (1) 12V/250 AMP - PDQ Install (1) set of 12 volt/250 amp radio tie-in studs in the PDQ: (1) battery hot, (1) ignition hot, (1) grounded stud. -----	Y ___ N ___
50-60-0685	RADIO SPEAKERS, STREETSIDE with OEM RADIO and ACP FADER Two (2) stereo speakers shall be installed in the upper streetside side panel. The fader control for the rear speakers shall be provided through the OEM radio and a fader control located in the ACP. -----	Y ___ N ___

Exterior Lighting

Item Number	Name	
30-06-0410	WARNING LIGHTS FLASH PATTERN SIGNAL ALERT 75 - MULTIPLEX ELECTRICAL SYSTEM The default flash pattern for the warning lights shall be Signal Alert 75. These warning lights will be operated from a single button labeled "flashers" via the Multiplex System on the master control console. -----	Y ___ N ___

30-06-0420	GRILLE WARNING LIGHTS TO FLASH IN AN X-PATTERN The four (4) grill lights shall flash in an "X" pattern. -----	Y ___ N ___
ClearLENS	CLEAR LENSES ON ALL WARNING LIGHTS All warning lights to have clear lenses -----	Y ___ N ___
GWL050004	LIGHTS GRILLE - 4 WHELEN 500 SUPER LED Four (4) Whelen 500 series super LED warning lights, with waterproof connectors shall be installed the grille area of the chassis. The lights shall operate from a switch on the master control console labeled "Flashers". -----	Y ___ N ___
GWLCLR1R	GRILLE WARNING LIGHT LOCATION 1 - RED The warning light located on the grille in location 1 shall be red. -----	Y ___ N ___
GWLCLR2R	GRILLE WARNING LIGHT LOCATION 2 - RED The warning light located on the grille in location 2 shall be red. -----	Y ___ N ___
GWLCLR3R	GRILLE WARNING LIGHT LOCATION 3 - RED The warning light located on the grille in location 3 shall be red. -----	Y ___ N ___
GWLCLR4R	GRILLE WARNING LIGHT LOCATION 4 - RED The warning light located on the grille in location 4 shall be red. -----	Y ___ N ___
30-25-0122	LIGHTS, ICC / LED CLEARANCE - ON MODULE FRONT - TECNIQ The vehicle shall have five (5) amber Tecniq LED (S33-AA00-1) clearance / ICC lights on the front of the module near the roof line. -----	Y ___ N ___
FWL090007	LIGHTS FRONT MODULE - 7 WHELEN 900 SUPER LED Seven (7) Whelen 900 series super LED warning lights with chrome bezels shall be installed on the module front. The lights shall operate from a switch on the master control console, labeled "Flashers". -----	Y ___ N ___
FWLCLR1R	FRONT WARNING LIGHT LOCATION 1 - RED The warning light located on the upper front of the module in location 1 shall be red. -----	Y ___ N ___
FWLCLR2R	FRONT WARNING LIGHT LOCATION 2 - RED The warning light located on the upper front of the module in location 2 shall be red. -----	Y ___ N ___
FWLCLR3R	FRONT WARNING LIGHT LOCATION 3 - RED The warning light located on the upper front of the module in location 3 shall be red. -----	Y ___ N ___
FWLCLR4W	FRONT WARNING LIGHT LOCATION 4 - WHITE The warning light located on the upper front of the module in location 4 shall be white. -----	Y ___ N ___
FWLCLR5R	FRONT WARNING LIGHT LOCATION 5 - RED The warning light located on the upper front of the module in location 5 shall be red. -----	Y ___ N ___
FWLCLR6R	FRONT WARNING LIGHT LOCATION 6 - RED The warning light located on the upper front of the module in location 6 shall be red. -----	Y ___ N ___
FWLCLR7R	FRONT WARNING LIGHT LOCATION 7 - RED -----	Y ___ N ___

	The warning light located on the upper front of the module in location 7 shall be red. -----	
30-25-4504	PRE-WIRE LIGHTS, FRONT MODULE TURN SIGNAL Pre-wire shall be provided on the module front behind the panel on each side for future installation of turn signal lights. -----	Y ___ N ___
30-25-0123	LIGHTS, ICC / LED CLEARANCE - ON MODULE REAR - TECNIQ The vehicle shall have five (5) red TECNIQ LED (S33-RR00-1) clearance / ICC lights on the rear of the module near the roof line. -----	Y ___ N ___
ROL090002	LIGHTS REAR MODULE, UPPER OUTER - 2 WHELEN 900 LED Two (2) Whelen 900 series super LED warning light with chrome bezels shall be installed on the upper rear of the module, in the outer location. The lights shall operate from a switch on the master control console, labeled "Flashers". -----	Y ___ N ___
ROLCLR1R	REAR OUTER MODULE LIGHT LOCATION 1 - RED The warning light located on upper rear of the module, in outer location 1 shall be red. -----	Y ___ N ___
ROLCLR2R	REAR OUTER MODULE LIGHT LOCATION 2 - RED The warning light located on upper rear of the module, in outer location 2 shall be red. -----	Y ___ N ___
RCL090001	LIGHTS REAR MODULE, UPPER CENTER - 1 WHELEN 900 LED One (1) Whelen 900 series super LED warning light with a chrome bezel shall be installed on the upper rear of the module, center location. The light shall operate from a switch on the master control console, labeled "Flashers". -----	Y ___ N ___
RCLCLR1A	REAR CENTER MODULE LIGHT LOCATION 1-AMBER The warning light located on upper rear of the module in the center location shall be amber. -----	Y ___ N ___
RS090002	LIGHTS REAR SCENE - 2 WHELEN 900 24 DIODE LED Two (2) Whelen 900 Series super LED scene/load lights with chrome bezels shall be installed on the upper rear of the module. The lights shall operate from a switch on the master control console, labeled "Rear Scene Lights". -----	Y ___ N ___
WL090002	LIGHTS REAR WINDOW - 2 WHELEN 900 SUPER LED Two (2) Whelen 900 series super LED warning lights with chrome flanges shall be installed on the rear of the module at window level, one (1) on each side. These lights shall operate from a switch on the master control console, labeled "Flashers". -----	Y ___ N ___
WLCLR1R	WINDOW LEVEL LIGHT LOCATION 1 - RED The warning light located on rear of the module at window level, location 1 shall be red. -----	Y ___ N ___
WLCLR2R	WINDOW LEVEL LIGHT LOCATION 2 - RED The warning light located on rear of the module at window level, location 2 shall be red. -----	Y ___ N ___
30-26-3009	LIGHTS, REAR TAIL - WHELEN 600 LED STOP, TURN, & MAXIMUM INTENSITY BACK-UP One (1) pair each of Whelen 600 series LED stop/tail lights, turn lights, and fully populated MAXIMUM intensity LED back-up lights with chrome bezels shall be installed on the rear of the module. -----	Y ___ N ___

30-26-7002	LIGHT, LICENSE PLATE LED - WHELEN OACOEDCR One (1) Whelen OACOEDCR LED license plate light with 45 deg angled chrome-plated bezel shall be installed on the rear of the module, lower left side. -----	Y ___ N ___
FIL07T0002	LIGHTS FRONT INTERSECTION - 2 WHELEN 700 LED W/15 DEGREE TILT HOUSING Two (2) Whelen 700 series super LED warning lights, with water-proof connectors, shall be mounted in 15 degree tilt housings on the front chassis fenders, one (1) on each side. The lights shall operate from a switch on the master control console labeled "Flashers". NOTE: When vehicle is placed in park, the override switch must be on for intersection light(s) to remain on. -----	Y ___ N ___
FILCLR1R	FRONT INTERSECTION LIGHT LOCATION 1 - RED The warning light located on front of the chassis fender in location 1 shall be red. -----	Y ___ N ___
FILCLR2R	FRONT INTERSECTION LIGHT LOCATION 2 - RED The warning light located on front of the chassis fender in location 2 shall be red. -----	Y ___ N ___
RIL070002	LIGHTS INTERSECTION REAR - 2 WHELEN 700 LED Two (2) Whelen 700 series super LED warning lights with, chrome flanges and water-proof connectors, shall be installed above the rear wheel wells, one (1) on each side. These lights shall operate from a switch on the master control console screen labeled "Flashers". NOTE: When vehicle is placed in park, the override switch must be on for intersection light(s) to remain on. -----	Y ___ N ___
RILCLR1R	REAR INTERSECTION LIGHT LOCATION 1 - RED The warning light located on above the rear wheel well at location 1 shall be red. -----	Y ___ N ___
RILCLR2R	REAR INTERSECTION LIGHT LOCATION 2 - RED The warning light located on above the rear wheel well at location 2 shall be red. -----	Y ___ N ___
30-27-1102	LIGHTS, ICC / LED CLEARANCE - ON MODULE SIDE - TECNIQ The vehicle shall have two (2) red Tecniq LED (S33-RR00-1) marker lights: one (1) red on each side at the rear of the vehicle which will also flash with turn signal. -----	Y ___ N ___
SWL090004	LIGHTS SIDE WARNING - 4 WHELEN 900 SUPER LED Four (4) Whelen 900 series super LED warning lights with chrome flanges shall be installed, two (2) on each side of module exterior. These lights shall operate from a switch on the master control console labeled "Flashers". -----	Y ___ N ___
SWLCLR1R	SIDE WARNING LIGHT LOCATION 1 - RED The warning light located on side of the module, in outer location 1 shall be red. -----	Y ___ N ___
SWLCLR2R	SIDE WARNING LIGHT LOCATION 2 - RED The warning light located on side of the module, in outer location 2 shall be red. -----	Y ___ N ___
SWLCLR3R	SIDE WARNING LIGHT LOCATION 3 - RED The warning light located on side of the module, in outer location 3 shall be red. -----	Y ___ N ___
SWLCLR4R	SIDE WARNING LIGHT LOCATION 4 - RED The warning light located on side of the module, in outer location 4 shall be red. -----	Y ___ N ___

SS090004	LIGHTS SIDE SCENE - 4 WHELEN 900 24 DIODE LED Four (4) Whelen 900 series 24 Diode LED scene lights with chrome flanges shall be installed, two (2) each module side. These lights shall operate from switches on the master control console labeled "Left Scene Light" and "Right Scene Light". -----	Y ___ N ___
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Module Body Construction

Item Number	Name	
39-00-0005	AWS ALUMINUM CERTIFIED WELDERS AWS Aluminum Certified Welders shall construct the module. AWS certificates shall be required to be part of the completed bid packet. Bids without AWS certificates shall be considered non-compliant (no Exception). -----	Y ___ N ___
39-10-0005	CONNECTIONS, CHASSIS TO MODULE The module shall be bolted to the cab with (28) 5/16" grade 5 stainless steel bolts and nylock nuts evenly spaced along the sides and roof of the cab. A weatherproof, double side adhesive foam tape seal shall be installed between the module and cab. The module body shall be securely fastened to the chassis frame rail with (10) 12 mm bolts through rubber insulating spacers installed at ten (10) separate locations - (five each frame rail) - providing noise insulation and easy module removal for chassis replacement. The frame mounting bolts shall be properly torqued and secured with locktite. The system used for fastening the module to the chassis frame shall be approved by the chassis manufacturer. -----	Y ___ N ___
40-00-0080	INSULATION - POLYURETHANE SPRAY FOAM The walls, ceiling, passage doors, outside storage doors, the entire underside of the module floor (except for mounting pads), the underside of the outside storage compartments, the wheel wells, and the underside of the curbside step area shall be completely foam - in - place insulated with nominal 3/4" thick sprayed on Class I, urethane foam for thermal and acoustical insulation. The insulation shall comply with FMVSS #302 flame spread requirements. The underside of the body shall be properly prepared to ensure adhesion before the spray insulation is applied. -----	Y ___ N ___
39-00-0001	MODULE BODY CONSTRUCTION - SEAMLESS The module shall be fabricated entirely of parts cut and formed from .125" (minimum) thickness 5052-H32 flat aluminum sheet stock, using CNC machines capable of .010" repeatability. This is the only alloy that may be used for body parts that are welded together. The roll-cage type interior super-structure, aluminum partition and module shall all be welded together into a single unit to give optimum strength for patient and attendant protection. The module roof shall be designed with a minimum 1.5" crown to facilitate water run-off. The floor, roof, sides, and all exterior doors shall be fabricated from .125" (minimum) thick flat aluminum sheet stock. The exterior joints between the roof and side components shall be continuous full seam welded the entire length of the module. All exterior body panel joints shall be continuous full seam welded. No VHB bonding tape or other adhesives shall be used in the construction of the ambulance module. -----	Y ___ N ___
39-00-0002	SOLE SOURCE MODULE BODY CONSTRUCTION It is required that the manufacturer of this vehicle have the ability to manufacture a completed ambulance, with the exception of the chassis, within their own manufacturing facility. The modular body must be built in the manufacturer's facility and shall not be the product of a subcontractor or any company other than the manufacturer.	Y ___ N ___

Module Features / Exterior

Item Number	Name	
10158082	GRILL GUARD An Ali-Arc Grill Guard shall be supplied and installed. Grill Guard to match current fleet -----	Y ___ N ___
00158082	Outside Storage Compartment #1 is to have one adjustable shelf. The shelf is to be located above the O2 and is to be installed using exposed shelf track. -----	Y ___ N ___
40-00-0009	ALUMINUM PARTS - MODULE EXTERIOR All unpainted exterior aluminum parts shall be bright dip anodized after fabrication to retain the finish and increase corrosion resistance. -----	Y ___ N ___
40-00-0010	CORROSION MINIMIZATION - MODULE All module contact with dissimilar metals shall be minimized with the use of nylon screw-hole inserts to provide hinge to door isolation with the module body, polypropylene strip hinge isolation, polyethylene backed rubber tape, ceramic coated stainless steel hinge bolts, and ECK brand corrosion inhibitor spray. -----	Y ___ N ___
40-00-0020	DOOR CONSTRUCTION - GASKET PLACEMENT All exterior hinged module doors shall be constructed in an inverted pan-formed design. The pan shall be constructed from .125" thick 5052-H32 flat sheet aluminum. The exterior door skin shall be constructed of .190" thick aluminum and welded to the pan. Door gaskets shall be attached to the interior side of the door skin on the top, bottom and outer edge of the door. The gasket on the hinge side of the door will be attached to the door frame. -----	Y ___ N ___
40-00-0060	EXTERIOR COMPARTMENTS - SWEEP-OUT Exterior module compartments shall be of a sweep-out design to aid in facilitation of the purchaser's routine care and cleaning of the vehicle. All exterior compartment floors, with the exception of the front ALS compartment shall be constructed to be flush with the bottom door frame.	Y ___ N ___
40-00-0030	EXTERIOR COMPARTMENTS DESIGN All exterior compartments shall be vented and include these features: <ul style="list-style-type: none"> • Sound absorbing slip resistant polyurethane material shall be sprayed on the inside of all compartments and compartment shelving, slide out trays and closeouts. • Baffled seep holes shall be provided to prevent water from splashing or seeping into the exterior compartments. • Full-length, two-way adjustable, stainless steel hinges on all exterior compartment doors with 3/16" stainless steel hinge pins. • Compartment doors shall be installed, flush with the module body. • When double doors are provided, each door shall have an exterior handle, but only the forward door shall be lockable. (rearward door is secured when forward door is locked). All exterior compartments and passage doors shall be keyed alike. • Lockable, Eberhard "free-floating" type chrome plated handles with rotary locks. A gasket shall be installed under each handle to protect the paint. • Drip rails shall be installed above all exterior compartment doors. 	Y ___ N ___

40-00-0050	<p>EXTERIOR COMPARTMENTS, VENTING A minimum of nine (9) square inches of venting shall be provided inside the #1, #2, #3, & #4 exterior storage compartments to provide for easier closure of the compartment doors.</p> <p>-----</p>	Y ___ N ___
40-00-0055	<p>EXTERIOR COMPARTMENTS, VENTING - OXYGEN STORAGE A minimum of nine (9) square inches of venting shall be provided in the exterior oxygen storage compartment, to dissipate any leaking oxygen gas.</p> <p>-----</p>	Y ___ N ___
40-00-0070	<p>HANDLES, EBERHARD - CHROME FREE FLOATING TYPE Eberhard #EMC-1-2110 chrome "free-floating" handles shall be installed on each exterior module door. The handles shall be large enough to accommodate a gloved hand.</p> <p>-----</p>	Y ___ N ___
40-10-0072	<p>LOWERED MODULE SIDES Module sides to be as low as possible and still comply with KKK-1822-F ramp break over angle. Lowered sides will allow easier entry into the module as well as increased compartment storage.</p> <p>-----</p>	Y ___ N ___
40-10-0320	<p>STEPWELL, CURBSIDE DOORWAY An aluminum diamond plate step well liner shall be installed in the curbside doorway step area.</p> <p>-----</p>	Y ___ N ___
40-00-0090	<p>THRESHOLD, STAINLESS STEEL- EXTERIOR STORAGE COMPARTMENT Each exterior storage compartment with a hinged door, except the battery compartment, shall have a stainless steel lower threshold at the door opening to protect the paint as equipment is installed and removed from the compartment.</p> <p>-----</p>	Y ___ N ___
40-10-0340	<p>STONE GUARDS, MOD FRNT -ANODIZED DIAMOND PLATE An anodized aluminum diamond plate stone guards shall be installed, on module front, (1) each side.</p> <p>-----</p>	Y ___ N ___
40-10-0066	<p>DOOR - MODULE CURBSIDE PASSAGE The module body shall include a sliding side entry door to access the curbside of the patient compartment. The door shall slide out and towards the rear of the module body. The door design must meet FMVSS 206 for sliding doors and shall have been cycle tested in excess of 100,000 cycles. The door shall not extend out more than 5 1/4" from the module when in the open position and shall be flush in the closed position. The door shall operate on a total of nine (9) casters and three (3) tracks for ease of operation. The door shall be held closed with two (2) rotary latches and two (2) locking tabs. The door must have a system to prevent the door from self-closing, when unit is parked on an incline. A measured force of ten (10) pounds maximum shall be required to release the door from the open to closed position. A chrome locking handle shall be installed on the exterior of the door. The door shall be lockable from the inside and outside and shall shut on molded air-core, automotive type door seals to prevent any water from leaking into the vehicle interior. A drip rail shall be installed above the door.</p> <p>-----</p> <p>Documentation required: The bidder must submit with this bid proposal a listing of not less than 200 ambulances produced with curbside sliding doors in the past four years. The listing is to include a production order number, the purchaser's agency name, and date the ambulance equipped with the curbside sliding door was delivered.</p>	Y ___ N ___

Failure to provide the required documentation shall be considered as non-responsive.

40-10-0088	DOORS - REAR PASSAGE There shall be a 47.50" wide x 59" high rear door opening in the patient compartment. The doors shall be flush without a protruding flange or lip. The right rear passage door shall have a lockable, chrome exterior handle. The left rear door shall have a non-locking, chrome exterior handle. All handles shall be installed with a gasket to protect the paint. The hinge shall be full length stainless steel with a 3/16" stainless steel hinge pin and shall be two-way adjustable. Each rear door shall have a two-point slam action automotive type rotary latching system to the body. The right rear door shall lock to the body at the top and bottom, not to the left rear door. The doors shall have .213" steel door latch activator rods with clevis adjusters. The doors shall be lockable from the inside and outside. All doors shall shut on molded, air-core, automotive type door seals to prevent any water from leaking into the vehicle interior. -----	Y ___ N ___
40-10-0130	EMERGENCY RELEASE LEVER, REAR PATIENT PASSAGE DOORS An emergency release lever shall be attached to each rear passage door latch and be free-floating from the interior door linkages. These levers shall provide a means of actuating the latches from the patient compartment without the use of the interior door handles.	Y ___ N ___
40-10-0505	WINDOWS, PASSAGE DOOR - (CURB SLIDING, REAR FIXED) The curbside passage door shall have a 16" x 23" openable (sliding) window with removable screen. Each rear passage door shall have a 19" x 18" non-openable window to assure maximum vision to the rear. The windows shall have a 69% dark tint and shall be secured with black oxide coated fasteners. No warning lights shall be blocked from view when the curbside or rear doors are open.	Y ___ N ___
40-10-0103	FENDERETTES - POLISHED ALUMINUM Polished aluminum fenderettes shall be installed around the rear wheel well openings. -----	Y ___ N ___
40-10-0119	HOLD-OPEN - REAR DOORS - GRABBERS Door grabbers (1 pair) with hard rubber inserts shall be installed on the rear doors, permitting a door hold open position of 130 degrees. -----	Y ___ N ___
40-10-0360	KICKPLATE/THRESHOLD, REAR DOORWAY - ANODIZED DIAMOND PLATE An anodized aluminum diamond plate kick plate shall be installed at the rear exterior doorway, providing a kick / scuff plate at the rear of the vehicle above the rear step. -----	Y ___ N ___
40-10-0204	MUD FLAPS, REAR - BLACK RUBBER FIBERGLASS REINFORCED - THREE COLOR Black rubber, fiberglass reinforced mud flaps with a minimum 1/4" thickness shall be bolted to the underside of the module behind the rear wheels. The width and length of the flaps shall provide adequate coverage of the rear dual wheels of the chassis. The mud flaps shall be three color with the Manufacturers Logo. -----	Y ___ N ___
40-10-0266	REAR STEP/BUMPER -FLIP-UP CENTER SECTION - STAR PUNCHED AND ANODIZED The rear bumper shall be affixed to the chassis frame. The bumper shall be constructed with a hinged center section with a flip up center step. Two (2) steel braces shall secure the step to the chassis frame. The outer 17" on each end of the bumper shall be constructed from heavy gauge stamped polished stainless steel bumper parts and shall	Y ___ N ___

provide smooth rounded corners. The step shall be constructed of star punched .125" thick aluminum diamond plate. Two (2) rear LED step illumination lights shall be provided. All diamond plate surfaces shall be anodized. Rear step installation shall comply with AMD standard 018. A strip of black PVC shall be installed on the face of the step to protect the patient cots during loading.

40-10-0381 TOW HOOKS, MODULE REAR Y ___ N ___
Two (2) tow hooks shall be provided in the rear step area and shall be securely fastened to the rear step braces.

40-10-0280 RUB RAILS, ANODIZED ALUMINUM Y ___ N ___
anodized polished aluminum rub rails shall be installed on the lower sides of the body below the outside compartment sill areas. The rub rails shall be offset 3/16" from the body to facilitate wash down of road debris.

40-00-0019 DOOR SKINS, OUTSIDE STORAGE COMPARTMENTS - DIAMOND PLATE INTERIOR SKINS Y ___ N ___
The interior door skins for all outside storage compartments shall be constructed of .063" thick aluminum diamond plate.

40-15-0045 COMPARTMENT FLOOR TILE (BLACK) - BOTTOM OF OUTSIDE COMPARTMENTS Y ___ N ___
Black compartment floor tile with ramps shall be installed in the bottoms of outside storage compartments #1, #2, #3, & #4 to ensure proper ventilation of the compartment and stored equipment. Does not include battery compartment.

OS1XL3STD #1 - STREETSIDE FORWARD Y ___ N ___
There shall be an outside storage compartment #1, (streetside forward) with a hinged door held open by a spring-loaded gas cylinder. A locking handle shall be installed on the exterior of the door.

OS1XL3OP4 #1 - OXYGEN STORAGE Y ___ N ___
There shall be an outside storage compartment #1, (streetside forward) for housing an O2 cylinder.

OS102WELD #1 - OXYGEN STORAGE BRACKET WELDED IN FOR H or M CYLINDER Y ___ N ___
An oxygen storage bracket shall be welded in #1 for retention of "H" or "M" oxygen cylinders. The compartment shall also contain a spring-loaded, hinged acrylic door shall be provided to allow access from inside the patient compartment to the oxygen cylinder valve. Restraining devices shall meet AMD standard 003, oxygen tank retention system requirements. A cylinder changing wrench shall be provided and secured inside the oxygen compartment. A nine (9) square inch minimum vent shall be provided in the oxygen compartment to dissipate any leaking oxygen gas. The oxygen cylinder shall be provided by the purchaser.

OS2XL3STD #2 - STREETSIDE CENTER Y ___ N ___
There shall be an outside storage compartment #2 (streetside center) with hinged double doors held open by spring-loaded gas cylinders. An exterior handle shall be installed on each door, with the locking handle being installed on the forward door.

OS2XL3OP1 #2 - (1) ADJUSTABLE SHELF Y ___ N ___
There shall be an outside storage compartment #2, (streetside center). The compartment shall contain one (1) adjustable shelf.

OS2SHELF1	#2 - SHELF ONE (1) ADJUSTABLE WITH TRACK Outside storage compartment #2 shall contain one (1) adjustable shelf with track. -----	Y ___ N ___
OS3XL3STD	#3 - STREETSIDE REAR - TALL DOOR There shall be an outside storage compartment #3 (streetside rear) with a hinged door held open by a spring-loaded gas cylinder. A locking handle shall be installed on the exterior of the door. -----	Y ___ N ___
OS3XL3OP1	#3 - (1) ADJUSTABLE SHELF WITH INSIDE/OUTSIDE ACCESS There shall be an outside storage compartment #3, (streetside rear) which will provide inside/outside storage access and contain one (1) adjustable shelf. -----	Y ___ N ___
OS3SHELF1	#3 - SHELF ONE (1) ADJUSTABLE WITH TRACK Outside storage compartment #3 shall contain one (1) adjustable shelf with track. -----	Y ___ N ___
OS4XL3STD	#4 - CURBSIDE REAR There shall be an outside storage compartment #4 (curbside rear) with a hinged door held open by a spring-loaded gas cylinder. A locking handle shall be installed on the exterior of the door. -----	Y ___ N ___
OS4XL3OP4	#4 - BACKBOARD AND (2) ADJUSTABLE SHELVES WITH INSIDE/OUTSIDE ACCESS AND FIXED DIVIDER There shall be an outside storage compartment #4, (curbside rear) which shall contain one (1) fixed vertical divider to provide backboard/scoop stretcher storage on one side and will provide inside/outside storage access and contain two (2) adjustable shelves. -----	Y ___ N ___
OS4BB	#4 - BACKBOARD - SCOOP STRETCHER STORAGE Compartment #4 shall provide storage for backboard and a scoop stretcher, with a one (1) inch adjustable strap with black plastic buckle. -----	Y ___ N ___
OS4DIV1	#4 - FIXED DIVIDER One (1), fixed divider with sprayed on polyurethane material shall be provided and installed in outside storage compartment #4 per . #4. -----	Y ___ N ___
OS4SHELF2	#4 - SHELVES TWO (2) ADJUSTABLE WITH TRACK There shall be two (2) adjustable shelves with track in outside storage compartment #4. -----	Y ___ N ___
OS5XL3STD	#5 - CURBSIDE FORWARD There shall be an outside storage compartment #5 (curbside forward) with a hinged door held open by a spring-loaded gas cylinder. A locking handle shall be installed on the exterior of the door. -----	Y ___ N ___
OS5XL3OP1	#5 - INSIDE/OUTSIDE ACCESS TO THE ALS CABINET There shall be an outside storage compartment #5, (curbside forward). This compartment shall have inside/outside to the ALS cabinet. -----	Y ___ N ___
OS5XL3BAT	#5 - CURBSIDE FORWARD DOOR WITH BATTERY COMPARTMENT A battery compartment shall be located above the rubrail, on front curbside of the module. The compartment shall be hinged on the forward edge and have a slide out tray. A handle shall be installed on the exterior of the door. -----	Y ___ N ___

Module Interior / Patient Compartment

<i>Item Number</i>	<i>Name</i>	
00158081	Install Ridgeback white lighting in additional cabinets #3 on the curbside. One (1) strip acr the top of each cabinet.	Y___N___
00158083	Front Wall Cabinet #1 and both #2 cabinet compartments shall be secured with center squeeze latches with a key lock. For the # 2 cabinet compartments the lock shall be located on the left side, right side to have lip so left door holds right door shut.	Y___N___
50-51-1001	CABINET CONSTRUCTION - INTERIOR - ALUMINUM All interior cabinets shall be constructed of .090" thick welded aluminum. Wood products shall not be used in the construction of any interior cabinet. All cabinet exteriors, interiors, drawer fronts, drawer interiors, and aluminum doors shall be sealed with a washable sprayed-on multi-use polychromatic coating.	Y___N___
50-60-0220	EMBLEMS / SIGNS - REAR PATIENT COMPARTMENT Two (2) "No Smoking / Oxygen Equipped / Fasten Seat Belts" signs shall be provided. One (1) sign shall be installed in the cab and one (1) above the oxygen outlets in the patient compartment street side cabinet.	Y___N___
50-60-0300	FLOOR CONSTRUCTION- PATIENT COMPARTMENT, NON-WOOD COMPOSITE The sub-floor in the patient compartment shall be constructed of .125" thick aluminum over .125" and .190" thick reinforcing hat sections and mounting laterals. The aluminum sub-floor shall be covered with a 3/4" non-wood composite material. All corner molding, edging and trim shall be anodized aluminum or stainless steel and shall be sealed to prevent fluids from seeping under the cabinets. Wood floors are not satisfactory and shall not be accepted by the purchaser.	Y___N___
50-60-0301	FLOORING - COVE The patient compartment floor radius shall be coved with pre-formed floor coving material. The coving shall be installed behind the vinyl floor covering, along both the street side and curbside walls.	Y___N___
50-60-0391	HEADLINER - REAR PATIENT COMPARTMENT The headliner in the patient compartment shall be one-piece, seamless, .090 thick aluminum finished with sprayed-on multi-use polychromatic coating.	Y___N___
50-51-1013	HOLD OPENS FOR INTERIOR DOORS All interior cabinets with doors less than 6" tall shall have friction hinges as hold opens for door(s). Doors 6" and taller shall be designed using gas shocks as hold opens for the door(s).	Y___N___
50-60-0660	PADDED EDGING PROTECTION Padded corner edging shall be installed where necessary on exposed corners and edges in the patient compartment for patient and attendant protection.	Y___N___
50-00-0202	ROUNDED INTERIOR CORNERS Interior vertical edges shall have rounded/padded corners in the following locations: forward and aft edges of the CPR seat (if provided), the wall at the aft end of the squad bench, and the partition opening cabinet edges, along with the upper front wall cabinet	Y___N___

(if provided).

50-51-1011	RECESSED ADJUSTABLE SHELF TRACK - CABINETS Unistrut 13/16" x 13/32", 19-gauge channel shall be installed in the interior cabinets that contain adjustable shelves. The track shall be welded in and recessed to reduce the number of fasteners and provide a cleaner look. -----	Y ___ N ___
50-51-5001	UPHOLSTERY - PATRIOT PLUS CHARCOAL #8605 All cushions, head pads and seats shall be covered with Spradling International Patriot Plus Charcoal #8605 expanded vinyl upholstery material. The vinyl and all foam cushion material shall comply with FMVSS #302 flame spread requirements. -----	Y ___ N ___
50-60-0661	INTERIOR MODULE PADS Vinyl upholstered, foam cushioned head/back pads shall be installed as follows: the lower edge of the upper front wall cabinet (above the partition doorway or window), above the rear doors, above the side door, and on the street side wall behind and on each side of the CPR seat. The pads shall be covered with a flame-retardant color coordinated vinyl upholstery material. -----	Y ___ N ___
50-51-6003	LONPLATE II, NON-SLIP EMB ED SM. GRID - GUNMETAL #424 The floor in the patient compartment shall be covered with Lonseal brand "Lonplate II" non-slip; small grid (emb ed) Gunmetal #424, resilient sheet vinyl flooring material, which shall be covered 3-inches up the wall on the street side, and to the top of the squad bench base on the curbside. The flooring material shall be stripped and waxed before delivery. -----	Y ___ N ___
50-51-2002	CABINET DOORS - CLEAR POLYCARBONATE All cabinet doors shall be clear polycarbonate material. The sliding cabinet doors shall be installed in aluminum track lined with PPL inserts to eliminate rattles and prevent the doors from opening during transit. An edge mounted aluminum handle shall be installed on each sliding cabinet door. -----	Y ___ N ___
50-51-3001	CABINETS/ WALLS - POLYCHROMATIC COATING - MARBLE STONE All exposed side walls, the partition wall (on the patient compartment side only), the headliner, along with the cabinet and drawer fronts, aluminum doors, cabinet and drawer interiors shall be covered with a washable Marble Stone sprayed-on multi-use polychromatic coating, to create a laminate-free interior. -----	Y ___ N ___
IS-CNT2-ACR	COUNTER TOP, SOLID ACRYLIC - SECONDARY ACTION AREA A solid acrylic countertop shall be installed in the secondary action area. The countertop shall have a 1/2" lip. -----	Y ___ N ___
IS-CNT-ACR	COUNTER TOP, SOLID ACRYLIC A solid acrylic countertop shall be installed in the primary action area. The countertop shall have a 1/2" lip. -----	Y ___ N ___
50-51-4033	COUNTERTOP - SOLID ACRYLIC - RAVEN BOULDER (GRAY/BLACK) A solid acrylic counter top, Raven Boulder (#810) with a 1/2" lip shall be installed to prevent equipment from sliding off. -----	Y ___ N ___
50-01-0301	INVENTORY CONTROL SYSTEM An inventory control system shall consist of metal loops attached to the sliding door cabinet frames. The inventory loops, along with corresponding holes drilled in the	Y ___ N ___

cabinet door handles shall accommodate the use of breakable plastic ties, to secure the cabinet doors and assist in controlling inventory.

50-01-0408	LATCHES, CABINET, CN10 COMPLIANT AS APPLICABLE - INCLUDING RADIO CABINET The ACP (attendant control panel) door, the PDQ (power distribution quarters) door, and the radio cabinet door shall be secured with chrome locking lever latches. All remaining interior hinged cabinet doors shall be secured with center squeeze latches. All interior drawers shall be secured with locking flush pull latches. Cabinet(s) shall be KKK-A-1822F Change Notice 10 compliant and conform to all applicable SAE J3058 requirements.	Y ___ N ___
50-10-0229	LEFT WALL - ATTENDANT CONTROL PANEL - WITH FLAT AREA A Weldon Vista Control Screen shall be mounted on a hinged access panel and secured with two (2) latches. The panel will be located to the immediate right of the attendant's seat. The forward portion of the panel will contain a flat area that may be used for future radio mounting, etc.	Y ___ N ___
IS1XL3OP2	CABINET - RESTOCKNG FRAME WITH SLIDING POLYCARBONATE DOORS AND (1) ADJ. SHELF EACH SIDE OF CENTER DIVIDER The left wall, upper rear interior cabinet (#1) shall be enclosed by one (1) set of sliding polycarbonate doors attached to a flip-up restocking frame with gas filled hold-open shocks. The doors shall have full length handles with the outer most sliding door to have handles on both ends. The cabinet shall contain a center divider with one (1) adjustable shelf each side of center divider.	Y ___ N ___
IS2XL3OP2	CABINET - RESTOCKNG FRAME WITH SLIDING POLYCARBONATE DOORS AND (1) ADJ. SHELF EACH SIDE OF CENTER DIVIDER The left wall, upper interior cabinet (#2), above the attendant control panel shall be enclosed by one (1) set of sliding polycarbonate doors attached to a flip-up restocking frame with gas filled hold-open shocks. The doors shall have full length handles with the outer most sliding door to have handles on both ends. The cabinet shall contain a center divider with one (1) adjustable shelf, each side.	Y ___ N ___
IS3XL3OP1	CABINET - HINGED POLYCARBONATE DOORS WITH CENTER SQUEEZE LATCHES AND FULL LENGTH HANDLES, INSIDE/OUTSIDE ACCESS TO #3 The left wall rear interior cabinet (#3) shall be enclosed by one (1) set of hinged polycarbonate doors with center squeeze latches and full length handles. This cabinet shall provide inside/outside access to #3. (reference exterior outside storage compartment #3 in module section for shelving configurations)	Y ___ N ___
IS4XL3OP3	CABINET - (2) PULL-OUT DRAWERS TOWARDS THE AISLE WITH LOCKING STAINLESS STEEL FLUSH PULL LATCHES The left wall interior cabinet (#4), below the secondary action area, shall contain two (2) vertically stacked pull out drawers, facing the aisle, secured with locking stainless steel flush pull latches.	Y ___ N ___
IS5XL3OP1	PULL-OUT DRAWER WITH HINGED ACRYLIC WRITING SURFACE AND LOCKING STAINLESS STEEL FLUSH PULL LATCH. RECESSED SUCTION BELOW DRAWER The left lower wall shall have (1) one drawer (#5), aisle facing, installed in the primary action area under the attendant control panel. The drawer shall have a hinged acrylic writing surface and a locking stainless steel flush pull latch. A recessed SSCOR suction canister shall be located below the drawer. An SSCOR suction system with a 12 VDC electric vacuum pump shall be recessed into the street side lower interior wall near the	Y ___ N ___

attendant seat. The 12 VDC electric vacuum pump shall be mounted in the #2 outside storage compartment. The system shall be activated by a switch on the attendant control panel. The SSCOR vacuum pump exhaust shall be vented to the exterior of the vehicle.

50-60-0018	<p>ASPIRATOR / SUCTION - SSCOR - WITH ELECTRIC PUMP - RECESSED</p> <p>An SSCOR suction system with a 12 VDC electric vacuum pump shall be recessed into the street side lower interior wall near the attendant's seat. The 12 VDC electric vacuum pump to be installed in an exterior compartment per the location on the drawing. The system shall be activated by a switch on the attendant control panel. The SSCOR vacuum pump exhaust shall be vented to the exterior of the vehicle.</p>	Y ___ N ___
IC1XL3OP2	<p>INSIDE/OUTSIDE ACCESS TO #4 WITH HINGED POLYCARBONATE DOOR, FULL LENGTH HANDLE, AND CENTER SQUEEZE LATCH</p> <p>Compartment #1 shall be installed on the rearward curb side wall and shall provide inside/outside access to #4. The compartment shall have a hinged polycarbonate door, full length handle, and a center squeeze latch.</p>	Y ___ N ___
IC2XL3OP22	<p>SQUAD BENCH WITH RECESSED SHARPS/WASTE BELOW SEPARATE BENCH LID. SECOND PATIENT TRANSPORT ON THE SQUAD BENCH.</p> <p>The Curbside wall shall have a squad bench which will include storage, a split lid with gas cylinder hold opens, and a recessed sharps and trash container.</p>	Y ___ N ___
IC3XL3C2	<p>CABINETS - RIGHT WALL, UPPER #3 - HINGED FLIP UP DOORS</p> <p>The curb side interior wall cabinet #3 shall be overhead and separated into two (2) cabinet sections. Each section shall be enclosed by one (1) flip up, hinged polycarbonate door with a center squeeze latch.</p>	Y ___ N ___
IC3XL3OP2	<p>OVERHEAD CABINETS WITH HINGED POLYCARBONATE DOORS, GAS SHOCK HOLD-OPENS, AND CENTER SQUEEZE LATCHES.</p> <p>The curb side interior wall cabinet #3 shall be overhead and separated into two (2) cabinet sections. Each section shall be enclosed by one (1) flip up, hinged polycarbonate door with a center squeeze latch and gas shock hold-opens.</p>	Y ___ N ___
50-50-0503	<p>SQUAD BENCH TOP - SPLIT WITH HINGED LID FORWARD WITH SHARPS / TRASH ACCESS</p> <p>The squad bench top and cushion shall be split into two (2) sections with separate hinged lids. The forward most section shall have the sharps and trash container installed in the squad bench base, with access via a separate hinged clear acrylic door on top of the bench. The squad bench cushion shall be covered with color coordinated vinyl upholstery material and sewn with seams only at the vertical corners to minimize entrapment of fluids. An automatic latching fastener shall be installed in both sections to secure the squad bench top and the lid in the closed position.</p>	Y ___ N ___
50-50-0541	<p>HOLD OPENS - SQUAD BENCH LID - GAS CYLINDERS</p> <p>Gas cylinders hold-open(s) shall be provided and installed to hold the cushioned lid in the open and closed position.</p>	Y ___ N ___
50-60-0709	<p>SHARPS AND TRASH CONTAINERS - ACCESS THRU SQUAD BENCH LID</p> <p>A 6.9 qt. #BD5489 sharps container, and a 8 qt. trash container shall be installed in the forward end of the squad bench base. The containers shall be accessed through the squad bench lid and covered with a 3/8" thick clear acrylic hinged lid with a biohazard warning label.</p>	Y ___ N ___

50-60-0718	SQUAD BENCH FACE - VINYL FLOORING MATERIAL The face of the squad bench shall be covered with vinyl flooring material. -----	Y ___ N ___
SQ-BN-BASE	SQUAD BENCH BASE W/STORAGE A storage area shall be provided in the squad bench base. The squad bench base shall be constructed of .090" thick aluminum for maximum storage capacity and minimum weight. The interior of the squad bench shall be sprayed with sound absorbing polyurethane material. -----	Y ___ N ___
IF3PDQ	CABINET - PDQ The Power Distribution Quarters (PDQ) shall hold electrical components, (i.e. power distribution nodes, circuit breakers, etc). The electrical compartment shall have a hinged door with (2) two chrome locking lever latches and be shall located on the partition wall behind the attendant seat. -----	Y ___ N ___
50-60-0001	AIR PURIFICATION SYSTEM, ULTRAVIOLET An Ultraviolet Air Purification system shall be provided and installed within the heater/air conditioner. The short-wave ultraviolet radiation (UV-C) kills airborne bacteria, viruses, mold and other microorganisms. -----	Y ___ N ___
IF1XL3C4	CABINET - FRONT WALL, UPPER #1 - HINGED ALUMINUM DOOR W/INSERT The front wall interior cabinet #1 shall be narrow and have a flip up, hinged aluminum door with polycarbonate insert and gas shock hold-open(s), center squeeze latch. The cabinet shall contain one (1) adjustable shelf. -----	Y ___ N ___
IF1XL3OP4	CABINET WITH HINGED ALUMINUM DOOR WITH POLYCARBONATE INSERT AND CENTER SQUEEZE LATCH WITH (1) ADJUSTABLE SHELF A cabinet with hinged aluminum door with polycarbonate insert and gas shock hold-open(s) shall be installed in upper front wall. -----	Y ___ N ___
IF2XL3OP5	CABINET - UPPER/LOWER WITH HINGED POLYCARBONATE DOORS, CENTER SQUEEZE LATCHES, (1) ADJ. SHELF PER CABINET - PULL-OUT DRAWER BETWEEN THE CABINETS WITH LSSFPL The front interior wall cabinet #2 shall have a fixed frame and be separated into two (2) cabinet sections, an upper section and a lower section. Each shall be enclosed by one (1) set of hinged polycarbonate doors with center squeeze latches, and one (1) adjustable shelf per section. A pull out drawer with stainless steel flush pull latch shall be installed between the cabinet sections.	Y ___ N ___
IF3XL3OP1	CABINET - VENTED RADIO CABINET WITH PDQ ABOVE The front wall, left side, shall house the Power Distribution Quarters (PDQ) compartment. A vented radio compartment shall be located below the PDQ. -----	Y ___ N ___
IF3XL3RAD	CABINET - FRONT WALL, LOWER BELOW PDQ (SINGLE VENTED DOOR) A radio cabinet with a vented, hinged aluminum door, secured by a chrome locking lever latch, shall be located on the front lower left wall. Door to open towards rear of the module. -----	Y ___ N ___
IF4XL3OP1	WALK-THROUGH OPENING WITH HINGED DOOR The front wall shall have a walk-through opening with a hinged door with window. -----	Y ___ N ___

50-20-0505	<p>PARTITION DOORWAY - WITH HINGED DOOR</p> <p>A walk-through doorway shall be provided between the cab and patient compartment. The doorway shall extend from the floor to the cab headliner. A hinged door shall be provided for the walk-through partition. The door shall only be opened and closed from the cab side to provide maximum security. The door, in the open position, shall be recessed into the side of the lower front wall cabinet. The door shall be automatically secured while in the open or closed positions and shall have a window with a minimum of 150 square inches of viewing area. The window shall be located to enable the driver to view into the patient compartment, and to minimize glare from the rear dome lights.</p> <p>-----</p>	Y ___ N ___
50-50-0103	<p>SEATING - ATTENDANT - EVS HiBAC, INTEGRAL CHILD, SWIVEL BASE CN8 COMPLIANT</p> <p>A rear facing EVS HiBAC attendant seat shall be installed at the head of the patient cot. The seat shall be equipped with a SB-2, two position, sliding swivel base and incorporate an integral child safety restraint system. The seat shall be KKK-A-1822F Change Notice 8 compliant with V4 harness style shoulder / seat belt and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The seat shall be padded and covered with color coordinated, cushioned vinyl.</p>	Y ___ N ___
50-50-0121	<p>SEATING - ATTENDANT - CENTERED WITH COT</p> <p>The attendant seat shall be centered with the cot location.</p> <p>-----</p>	Y ___ N ___
CPROP2	<p>SEATING - CPR - CONTOURED EVS WITH V4 HARNESS</p> <p>A CPR seat shall be installed on the street side of the patient compartment aft of the primary action area counter. The CPR seat shall be KKK-A-1822F Change Notice 8 compliant with V4 harness style shoulder / seat belt and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The Contoured Headrest and Backrest will be constructed of energy absorbing material. The seat bottom, backrest, and headrest shall be padded and covered with color coordinated, cushioned vinyl with the builder's logo heat stamped into the headrest.</p> <p>-----</p>	Y ___ N ___
SQSTOP5	<p>SEATING - CN8 COMPLIANT TWO (2) EVS V4 CONTOURED</p> <p>A Squad bench seat with two (2) EVS individual seating positions will be installed on the curb side of the patient compartment. The squad bench seat shall be KKK-A-1822F Change Notice 8 compliant with (2) V4 harness style shoulder / seat belts and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The Contoured Headrest and Backrest will be constructed of energy absorbing material. The seat bottom,</p>	Y ___ N ___

backrest, and headrest shall be padded and covered with color coordinated, cushioned vinyl with the builder's logo heat stamped into the headrest.

HVAC_HSL_STD_01	<p>HVAC - THE EVAPORATOR IS TIED-IN TO THE OEM AIR CONDITIONING SYSTEM, COOLING THE AIR OF THE PATIENT COMPARTMENT THROUGH THE VENTS (STANDARD SETUP)</p> <p>The air conditioning unit shall be tie-in to the OEM air conditioning system, cooling the air of the patient compartment through the outlets. The evaporator unit shall have a capacity of 580 CFM and cooling capacity of 30,000 BTU. The evaporator shall be installed in the patient compartment, in the upper front wall. It shall be accessible by removing the HVAC faceplate. Five (5) adjustable vents with manual closures are installed within the HVAC faceplate. The patient compartment HVAC system shall be controlled by the driver or the patient compartment attendant via the multiplex located in the front console or the rear switch panel. The patient compartment temperature shall be monitored by a thermostat incorporated in the multiplexing electrical system. Additional to the three (3) preprogrammed speeds, an automatic mode shall be able to decide between heating, cooling and fan speed in function of the set temperature versus the patient compartment temperature. In order to achieve maximum efficiency and optimization of this system, the fans' speed shall be optimized via Pulse Width Modulation (PWM) to allow the heating and cooling system to run at its most effective speed. Adequate room for hose connections and hose lines shall be provided when installing HVAC components. The hoses shall be protected and insulated to optimize performance and longevity. Meets or exceeds AMD-012 testing.</p>	Y ___ N ___
50-61-0003	<p>ASSIST HANDLES, (2) 'V-BARS' ANTI-MICROBIAL (YELLOW), (4) BLACK URETHANE</p> <p>A total of six (6) assist handles shall be provided: two (2) 1-1/4" diameter Yellow Anti-microbial stainless steel 'V' handles, one (1) on each rear passage door; and four (4) 10-7/8" black vulcanized rubber with steel core assist handles, two (2) handles at the rear doorway, one (1) at the curbside doorway, and one (1) on the curbside sliding door.</p>	Y ___ N ___
50-60-0730	<p>DOOR PANELS - MODULE PASSAGE DOORS - FULL LENGTH ALUMINUM - W/ACCESS PANELS</p> <p>The inner door panels shall be manufactured from aluminum and covered with a washable sprayed-on multi-use polychromatic coating. The panels shall run the full length of the door and will contain a removable latch access panel.</p>	Y ___ N ___
50-60-0256	<p>EXHAUST VENTILATOR, 3-SPEED - MULTIPLEX ELECTRIC SYSTEM</p> <p>A three-speed, 250 CFM (minimum) exhaust fan meeting KKK-A-1822F requirements shall be provided and located in the street side cabinet in the patient compartment. The exhaust fan shall be pulse width modulated from a switch on the attendant control panel vista screen. The exhaust system shall have a louvered grille inside and a chrome vent outside. The exhaust system shall vent through the side of the vehicle, not through the roof.</p>	Y ___ N ___
50-60-0322	<p>GLOVE DISPENSER - (3) BOX - ABOVE ENTRY DOOR - CURBSIDE (ABS)</p> <p>A three (3) - box glove dispenser unit, with a 1/4" clear acrylic hinged access panel with three (3) cut-outs, shall be recessed above the curbside entry door. The dispenser shall be 8.25" high x 33.50" wide with interior dimensions of 5.38" high x 30.25" wide x 3.25" deep. A 1/4" turn latch will be installed on the face of the glove box access panel.</p>	Y ___ N ___
50-60-0332	<p>GLOVE DISPENSER - (1) BOX - EACH REAR DOOR - TOTAL TWO (2)</p> <p>A single box glove dispenser unit, with a 1/4" clear acrylic hinged access panel with cut-out, shall be recessed on the rear passage doors, one each door. Each dispenser to</p>	Y ___ N ___

accommodate one (1) 5.375" wide x 10.375" long x 3.25" deep glove box.

50-60-0353 GRAB RAIL, 1-1/4" DIAMETER, ANTI-MICROBIAL (YELLOW) (1) 96" Y ___ N ___
One (1) 1-1/4" diameter x 96" long stainless steel, yellow Anti-microbial grab rail shall be installed on the ceiling of the patient compartment for attendant/patient balance control. The grab rail will be attached to the ceiling with three (3) mounting brackets that secure it to the super structure of the module. Installation of each grab rail shall comply with AMD-008 requirements.

50-60-0440 IV HANGERS - CEILING RECESSED - DUAL IV BAG HOLDER Y ___ N ___
Recessed ceiling dual bag IV hanger(s) shall be provided and installed per the drawings. Hanger shall be a dual intravenous fluid bag holder allowing single hand access to two individual IV bags. Removable by accessing the single hand carabiner clip.

50-60-0640 OXYGEN SYSTEM, ELECTRIC - MULTIPLEX ELECTRIC SYSTEM Y ___ N ___
A 12 VDC controlled electric O2 system operated through the v-mux multiplex electrical system shall be provided and installed.

The oxygen system shall be completely installed and include a pre-set oxygen regulator with a cylinder pressure gauge and a 200 PSI safety valve with all necessary piping and connections. The oxygen system shall be completely low pressure, and the regulator shall be fastened directly to the cylinder. The regulator shall be set to operate at approximately 50 PSI. The oxygen cylinder shall be installed so the system may be easily turned on and off at the main cylinder valve from the patient compartment. The oxygen cylinder shall be provided by the purchaser.

The oxygen system monitor shall be readily available to the attendant while seated at the head of the cot as part of the microprocessor based electrical system. Flexible conductive oxygen hose with a minimum 900 lbs. burst rating shall be installed between the regulator and the oxygen receptacles. The system shall be tested and tagged in conformance with NFPA-56-F and KKK-A-1822F.

The electric oxygen system shall be provided with an on/off switch on the attendant control panel. The emergency manual bypass valve shall be located near the oxygen storage compartment in the patient compartment.

50-60-1602 OXYGEN OUTLET (2) LEFT WALL - OHIO MED - ACTION AREA Y ___ N ___
Two (2) Ohio Medical flush mounted; quick release wall outlets shall be installed in the forward street side cabinet action area. Per #5

50-60-1640 OXYGEN OUTLET (1) RIGHT WALL - OHIO MED - HEAD END OF SEATING AREA Y ___ N ___
One (1) Ohio Medical flush mounted; quick release wall outlet shall be installed in the right wall above the head end of the curbside seating area.

50-60-1680 OXYGEN OUTLET (1) CEILING - OHIO MED - ABOVE HEAD OF COT Y ___ N ___
One (1) Ohio Medical flush mounted; quick release oxygen outlet shall be installed in the ceiling above the head of cot in the center mount position.

50-60-0629	FLOW METER, OXYGEN - THORPE STYLE One (1) Thorpe style oxygen flow meter (15LPM) shall be shipped loose with the completed vehicle. -----	Y ___ N ___
50-60-0591	NET, SQUAD BENCH - CURBSIDE INTERIOR (RED) A removable net shall be installed at the forward end of the curbside squad bench. The net shall be red in color and constructed of safety belt webbing material. The net shall be anchored to the curbside wall, ceiling, and the forward end of the squad bench into .50" thick aluminum tapping plates. The net shall be removable for cleaning, via the use of seatbelt type buckles. -----	Y ___ N ___
50-60-0761	STAINLESS STEEL WALL PROTECTION - INTERIOR STREETSIDE A brushed stainless steel panel shall be provided on the street side wall from the bottom of the CPR seat -----	Y ___ N ___
50-60-0820	ANTI-SLIP MATTING - CURBSIDE STEPWELL Anti-Slip charcoal gray matting shall be installed in the curbside step well. -----	Y ___ N ___

Optional Patient Compartment Items

Item Number	Name	
50-60-0099	CLOCK - FRANKLIN DIGITAL - REAR HEAD PAD A Franklin digital clock shall be installed in the head pad above the rear module passage doors. -----	Y ___ N ___
50-62-0446	COT FASTENER - STRYKER FLOOR PLATE AND 12v PRE-WIRE FOR CUSTOMER FUTURE INSTALL OF A POWER OR PERFORMANCE COT LOAD SYSTEM A Stryker floor plate kit and wiring shall be provided to accommodate the future installation of a Customer Provided, Customer Installed, Stryker Performance or Power Load Cot. -----	Y ___ N ___
30-10-0432	LIGHT, STEPWELL - CURBSIDE DOORWAY - MINI LED SURFACE MOUNT A Whelen Mini-LED light shall be installed to illuminate the step well at the curbside doorway. -----	Y ___ N ___
30-10-0424	LIGHT INTERIOR OF REAR FACING & PASSAGE DOORS, TWO (2) RED MINI LED PER DOOR Two (2) Whelen red Mini-LED lights shall be installed on the interior of all rear facing exterior compartment and patient entry doors. The lights shall be located as follows: one (1) on each upper and lower outer corner. The light(s) shall random flash on the specific door(s) that are opened. -----	Y ___ N ___

Paint / Graphics

Item Number	Name	
60-01-0001	PAINT PROCEDURE All non-anodized aluminum module body surfaces shall be completely chemically steam cleaned, filled with premium body filler as needed, sanded smooth and primed with an epoxy primer and then primed again with a high solid primer. The cured primer surfacer shall be DA sanded with 320 grit and cleaned. A high solid primer shall then be applied, where needed, as a sealer.	Y ___ N ___

60-10-0107	CAB - OEM PAINT White -----	Y ___ N ___
60-01-0004	BUFFING, PAINT - MODULE The paint on the module sides shall be buffed to a high shine using a recommended paint buff system. -----	Y ___ N ___
60-01-0006	PAINT MODULE - OEM PAINT PLUS CLEAR COAT White The module shall be painted OEM. The entire module shall also be clear-coated, using an Axalta Process, sprayed over the final paint coat. -----	Y ___ N ___
60-30-0200	REFLECTIVE - DOOR REFLECTIVITY Reflective material (25" x 2.5" red/silver chevron style), meeting FMVSS 108 requirements, shall be installed on the lower interior stainless steel panel of each rear door and hinged side door. If a sliding side door is provided, it shall have a 1.50" x 40.00" white reflective stripe installed on the rear facing edge.	Y ___ N ___
600-25-0101	GRAPHICS Graphics to be provided and match current fleet ("maroon"). Truck number TBD prior to delivery -----	Y ___ N ___
60-25-0101	REFLECTIVE - BLACK MATERIAL IN RUB RAILS Rub rails shall incorporate a 5/8" wide black reflective scotchlite safety accent stripe. -----	Y ___ N ___

Vehicle Manuals

<i>Item Number</i>	<i>Name</i>	
80-20-0001	VEHICLE MANUALS (1) PACKAGE SET One (1) Delivery Manual Package shall be supplied with the vehicle, and shall include the following items: Ambulance manufacturer parts, service, and operation manuals, OEM chassis owner's guide, complete 12 VDC and 125 VAC wiring schematics for all included standard and optional systems, Multiplex Electrical system programming - electronic media -----	Y ___ N ___
90-10-0007	PROVIDE STATEMENT OF LIMITED WARRANTIES	Y ___ N ___