PATRICIA A. PESHKA

PURCHASING AGENT



SCOTT AVEDISIAN

MAYOR

CITY OF WARWICK

Purchasing Division 3275 Post Road Warwick, Rhode Island 02886 Tel (401)738-2013 Fax (401) 737-2364

The following notice is to appear on the City of Warwick's website Monday, February 26, 2018. The website address is http://www.warwickri.gov/bids.

CITY OF WARWICK BIDS REQUESTED FOR

Bid2018-275 Type I Medical Rescue Vehicle

Specifications are available in the Purchasing Division, Warwick City Hall, Monday through Friday, 8:30 AM until 4:30 PM on or after Monday, February 26, 2018.

Sealed bids will be received by the Purchasing Division, Warwick City Hall, 3275 Post Road, Warwick, Rhode Island 02886 up until 11:00 A.M., Friday, March 16, 2018. The bids will be opened publicly commencing at 11:00 A.M. on the same day in the City Council Chamber at Warwick City Hall.

Awards shall be made on the basis of the lowest evaluated or responsive bid price. Please note that no bids can be accepted via email or fax.

Individuals requesting interpreter services for the hearing impaired must notify the Purchasing Division at 401-738-2013 at least 48 hours in advance of the bid opening date.

Patricia A. Peshka Purchasing Agent

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

Acknowledgement of Addendum (if applicable)

	Addendum Number	Signature of Bidder	
			
COMPANY N	NAME:		
	ADDRESS:		
	ADDRESS:		
	GNATURE:		
BIDDER'S N	AME (PRINT):		
TITLE:	TEL. 1	NO.:	
EMAIL ADD	RESS:		*
	our email address. Future l		
	ND CONTRACT:		
II. AWARD AN	ND CONTRACT:		
Purchasing Agen and hereby enters completion of the contained in the s	The CITY OF WARWICK, t/Finance Director/Mayor (c) into a contract with the above project or receipt of the gospecifications. All terms of hade terms of this contract.	delete if inapplicable), acce ove party to pay the bid pri ods unless another paymer	epts the above bid ce upon at schedule is
DATE:			
	3id2018-275	Purchasing Age	nt

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

CERTIFICATION & WARRANT FORM*

This form <u>must</u> be completed and submitted with sealed bid. Failure to do so will result in automatic rejection.

Any and all bids shall contain a certification and warrant that they comply with all relevant and pertinent statues, laws, ordinances and regulations, in particular, but not limited to Chapter 16-Conflicts of Interest, of the Code of Ordinances of the City of Warwick. Any proven violation of this warranty and representation by a bidder at the time of the bid or during the course of the contract, included, but not limited to negligent acts, either directly or indirectly through agents and/or sub-contractors, shall render the bidder's contract terminated and the bidder shall be required to reimburse the City for any and all costs incurred by the City, including reasonable attorney fees, to prosecute and/or enforce this provision.

Signature		Date	Date		
Company Name					
Address	· 				
Address					

*This form cannot be altered

CITY OF WARWICK NOTICE TO BIDDERS

Bid2018-275 Type I Medical Rescue Vehicle

If you received this document from our homepage or from a source other than the City of Warwick Purchasing Division, please check with our office prior to submitting your bid to ensure that you have a complete package. The Purchasing Division cannot be responsible to provide addenda if we do not have you on record as a plan holder.

The opening of bids shall be in the order established by the posted agenda and the agenda shall continue uninterrupted until completion.

Once an item has been reached and any bids on that item has been opened, no other bids on that item will be accepted and any such bid shall be deemed late.

The contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap for any position for which the employee or applicant is qualified and that in the event of non-compliance the City may declare the contractor in breach and take any necessary legal recourse including termination or cancellation of the contract.

A bidder filing a bid thereby certifies that no officer, agent, or employee of the City has a pecuniary interest in the bid or has participated in contract negotiations on the part of the City, that the bid is made in good faith without fraud, collusion, or connection of any kind with any other bidder for the same call for bids, and that the bidder is competing solely in his own behalf without connection with, or obligation to, any undisclosed person or firm.

All bids should be submitted with one (1) original and one (1) copy in a sealed envelope, which should read: *YOUR COMPANY NAME* plainly marked on the exterior of the envelope as well as "Bid2018-275 Type I Medical Rescue Vehicle."

Bids received prior to the time of the opening will be securely kept, unopened. No responsibility will be attached to an officer or person for the premature opening of a bid not properly addressed and identified. No bids shall be accepted via facsimile or email.

Should you have any questions, please contact Jason Umbenhauer, Warwick Fire Department, at 401-468-4063.

All bids should be written in ink or typed. If there is a correction with whiteout, the bidder must initial the change.

Negligence on the part of the bidder in preparing the proposal confers no rights for the withdrawal of the proposal after it is open. Any deviation from the specifications must be noted in writing and attached as part of the bid proposal. The bidder shall indicate the item or part with the deviation and indicate how the bid will deviate from specifications.

The IRS Form W-9 available on www.warwickri.gov should be completed and submitted with the bid if the bidder falls under IRS requirements to file this form.

The successful bidder must comply with all Rhode Island Labor Laws, Chapter 37-12-13, and all other applicable Local, State and Federal Laws.

The contractor shall keep himself informed of and comply with all laws, ordinances and regulations of the federal, state and municipal governments which may apply and be in force during the life of the contract, in any manner which may affect himself/employees or the conduct of the work or the materials used or employed in the work. Before submitting bids, prospective bidders shall examine the terms, covenants and conditions of all codes, permits and laws, which may apply. By submitting a bid, the bidder agrees to comply with all pertinent laws/regulations if awarded a contract.

Bid surety in the form of a bank check, original bid bond or certified check in the amount of ten (10) percent of the total bid price must be submitted with each bid. If a bid bond is submitted, it shall be duly executed by the bidder as principal and having as surety thereon a surety company licensed to do business in the State of Rhode Island and approved by the owner.

The successful bidder must provide the City of Warwick with an original Certificate of Insurance for General and Automobile Liability in a minimum amount of \$1 million, naming the City of Warwick as the additional insured and so stated on the certificate with the bid name and bid number. It is the vendor's responsibility to provide the City of Warwick with an updated Certificate of Insurance upon expiration of the original certificate.

The successful bidder must furnish a performance and payment bond in the amount of 100 percent of the total bid price.

For a bid to be awarded to a corporation, limited liability company or other legal entity, prior to commencing work under the awarded bid, that corporation, company or legal entity may be required to provide to the Purchasing Agent a **Certificate of Good Standing** dated no more than thirty (30) days prior to the date upon which the bid approval was made.

The successful bidder will provide said Certificate of Insurance and Certificate of Good Standing (if required) within ten (10) calendar days after notification or the City reserves the right to rescind said award.

Prices to be held firm one (1) year from date of award. Term contracts may be extended for one (1) additional term upon mutual agreement unless otherwise stated.

The City is exempt from the payment of the Rhode Island Sales Tax under the 1956 General Laws of the State of Rhode Island, 44-18-30, Paragraph I, as amended.

The contractor must carry sufficient liability insurance and agree to indemnify the city against all claims of any nature, which might arise as a result of his operations or conduct of work.

The Purchasing Agent reserves the right to reject any and all bids, to waive any minor deviations or informalities in the bids received, and to accept the bid deemed most favorable to the interest of the City.

The City reserves the right to terminate the contract or any part of the contract in the best interests of the City, upon 30-day notice to the contractor. The City shall incur no liability for materials or services not yet ordered if it terminates in the best interests of the City. If the City terminates in the interests of the City after an order for materials or services have been placed, the contractor shall be entitled to compensation upon submission of invoices and proper proof of claim, in that proportion which its services and products were satisfactorily rendered or provided, as well as expenses necessarily incurred in the performance of work up to time of termination.

No extra charges for delivery, handling or other services will be honored. All claims for damage in transit shall be the responsibility of the successful bidder. Deliveries must be made during normal working hours unless otherwise agreed upon.

All costs directly or indirectly related to the preparation of a response to this solicitation, or any presentation or communication to supplement and/or clarify any response to this solicitation which may be required or requested by the City of Warwick shall be the sole responsibility of and shall be borne by the respondent.

If the respondent is awarded a contract in accordance with this solicitation and the respondents bid or response and if the respondent fails or refuses to satisfy fully all of the respondents obligations thereunder, the City of Warwick shall be entitled to recover from the respondent any losses, damages or costs incurred by the City as a result of such failure or refusal.

The City reserves the right to award in part or full and to increase or decrease quantities in the best interest of the City.

Any quantity reference in the bid specifications are estimates only, and do not represent a commitment on the part of the City of Warwick to any level of billing activity. It is understood and agreed that the agreement shall cover the actual quantities ordered during the contract period.

The City reserves the right to rescind award for non-compliance to bid specifications.

The successful bidder must adhere to all City, State and Federal Laws, where applicable.

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

CITY OF WARWICK

BID AND CONTRACT FORM

TITLE OF SPECIFICATION: Bid2018-275 Type I Medical Rescue Vehicle

I. BID:

WHEREAS, the CITY OF WARWICK has duly asked for bids for performance of services and/or supply of goods in accordance with the above-indicated specifications.

The person or entity below does irrevocably offer to perform the services and/or furnish the goods in accordance with the specifications, which are hereby incorporated by reference in exchange for the bid price below;

This offer shall remain open and irrevocable until the CITY OF WARWICK has accepted this bid or another bid on the specifications or abandoned the project.

The bidder agrees that acceptance below by the CITY OF WARWICK shall transform the bid into a contract. This bid and contract shall be secured by Bonds, if required by the specifications.

<u>Description</u>	Bid		
Year			
Make	·		
Model			
Cost	\$		
Delivery Time from Order Date (in Calendar days)			

WARWICK FIRE DEPARTMENT OVERVIEW TO SPECIFICATIONS TYPE I MEDCIAL RESCUE VEHICLE

INTENT OF SPECIFICATIONS:	Didder Compues	ILS	NO		
It is the intent of these specifications to cover the complete emergency medical vehicle equipped a the best results and the most acceptable emergen specifications cover the general requirements as details as to finish, equipment, and appliances we Minor details of construction and materials when discretion of the contractor, who must be solely features.	is hereinafter specified. Very vehicle for service in to the type of construction ith which the successful re not otherwise specified.	With a view our setting on, together bidder mudder together together bidder mudd are left together with the setting to the setting together with the setting together together together together with the setting together with th	w to obtaining g, these er with certain ast conform.		
Bids will only be considered from companies which have an established reputation in the field of emergency vehicle construction, and have been in business for a minimum of 25 years. Each bidder must furnish satisfactory evidence of his ability to construct the vehicle specified, and must state the location of the factory where the vehicle is to be built. The bidder must also show that they are able to render prompt service, and to furnish replacement parts for said emergency vehicle.					
CONTRACTOR'S SPECIFICATIONS:	Bidder Complies	YES	NO		
Each bid must be accompanied by a set of "Cont description of the ambulance and equipment prounder contract must conform. These specificationall component parts and equipment.	posed and to which the a	ambulance	furnished		
LATE PROPOSALS	Bidder Complies	YES	NO		
It is the bidder's responsibility to see that their profacsimiles, telegraphed, or telephone bids will not right to accept or reject any or all bids on such be interest.	ot be considered. The pu	rchaser re	serves the		
SAFETY REQUIREMENTS:	Bidder Complies	YES_	NO		
It is expected that the Bidder will meet all State effect on the date of the bid for the item(s) that a which they are meant.					

ACQUAINTANCE WITH SPECIFICATIONS:	Bidder Complies	YES	_NO			
It is the responsibility of the bidder to review all of to be acquainted with this information must not reli requirements.						
QUALITY AND WORKMANSHIP:	Bidder Complies	YES	NO			
The design of this emergency vehicle must embody the latest approved automotive engineering practices. Experimental designs and methods will not be acceptable. The workmanship must be of the highest quality in its respective field. Special consideration will be given to the following points; accessibility of the various units which require periodic maintenance operations, ease of operation, and symmetrical proportions. Construction must be rugged and ample safety factors must be provided to carry loads as specified.						
LIABILITY:	Bidder Complies	YES	NO			
The bidder, if his bid is accepted, must defend any use of any patented process, device, or article form equipment furnished under the contract.						
WARRANTY:	Bidder Complies	YES	NO			
A copy of the warranties for the electrical system, properties on the conversion must be furnished with each bidder's properties.		e, and gene	eral			
EXCEPTION TO SPECIFICATIONS:	Bidder Complies	YES	NO			
The following chassis and body specifications must allowed if they are equal to or superior to that spec explained on a separate page entitled "EXCEPTIOM must refer to the specification page number. PROINTHESE SPECIFICATIONS WILL BE IMMEDIA all bidders will have to take some exceptions to the THAT TAKE NO EXCEPTIONS WILL BE REQUITED THE FULLEST EXTENT, SHOULD THEIR receive bids that do not require telephone calls or contract the same of the same and the sa	ified and provided the NS TO SPECIFICAT POSALS TAKING TO TELY REJECTED. The specifications. The UIRED TO MEET EVENTED BID BE ACCEPTED	ey are listed TONS". Ex OTAL EXOTHE buyer in erefore, Bl VERY PAI . It is our in	d and fully acception lists CEPTION TO s aware that IDDERS RAGRAPH and full to			

Upon delivery, the emergency vehicle will be inspected against THESE specifications and not those supplied by the bidder with their proposal. Deviations will not be acceptable unless they were noted as exceptions at the time of bid. The vehicle will be rejected until said deviations are corrected to the satisfaction of Warwick Fire Department's Chief or his designee.

bidder is intending to supply.

Decisions regarding "equal to" or "better than" will be the responsibility of Warwick Fire Department's Chief or his designee, rather than those companies submitting bids. If exceptions are not taken, but inconsistencies are noted in the submitted detailed specifications, the bid may be rejected.

PROPOSAL SEQUENCE:	Bidder Complies	YES	NO
Bid Proposals must be submitted in the same checking compliance to same.	e sequence as these specifica	ations for e	ease of
SERVICE CENTER	Bidder Complies	YES	NO
The dealership supplying the emergency vel warranty center. The service center must be be an established business entity. Third part Furthermore, the dealership's service center district; neither the office or service center requirements are set forth to assure that cominterruption. THERE MUST BE NO EXCE	owned and operated by the ofty service or repair services reand office must be located in a residential petent, 24-hour service can be serviced.	dealership must not b n a common al district. be provide	which must be allowed. ercial business These
IMPORTANT!			
It is our intent to inspect each bidder's se Service of this emergency vehicle is of the Department. It is completely <u>unacceptable</u> in house personnel, and a service center w	utmost importance to the le for any bidder not to have	Warwick ve mobile	Fire service units,
ALL BIDDERS MUST PROVIDE PHOTO SERVICE CENTER, AS WELL AS THEIR			THE
THERE MUST BE NO EXCEPTIONS TO REQUIREMENTS.	THE ABOVE LISTED SER	VICE	
REFERENCE LIST:	Bidder Complies	YES	NO
All bidders must supply a list of communities bids will be accepted from any contractor will similar emergency medical units. (NO EXC	ho cannot show they have m		
DRAWINGS:	Bidder Complies	YES	NO
Accurate drawings of the apparatus must be			_

EXCEPTIONS)

	Bidder Complies					
There must be two (2) factory inspection trips for up Fire Department. All traveling, lodging, food, and r (NO EXCEPTIONS)	to four (4) represent elated expenses must	atives of the beginning to the base of the	he Warwick y the bidder.			
TAG ON ORDERS:	Bidder Complies	YES	NO			
The purchaser reserves the right to require tag on purchases to this order for up to one (1) year from signing contract. The contract may be used for neighboring communities as well, as long as it is legally permissible for the neighboring community to avail themselves of this opportunity.						
NEW DEALER LICENSE: NO	Bidder Complies	S YES_				
All bidders must supply a copy of their DMV licens incorporation. Used dealer, manufacturer, general reacceptable. Warwick Fire Department is buying a n selling the vehicle be a licensed and bonded "New V	epairer, or limited rep ew vehicle and requing Mehicle" dealer per St	pairer licer res that an ate statues	ses are not y dealer . Warwick			
Fire Department requires this license so that "Lemon enforced.	n Laws" for this new	vehicle ca	n be			
DEALER LICENSE NUMBER	_STATE OF INCO	RPORATI	ON			
Signature of person attesting to the above statements	3					
Printed or typed name of person signing this docume	ent					
MILEAGE REQUIREMENT:	Bidder Complies	YES	NO			

The new vehicle must be delivered to the City of Warwick with less than 1500 miles on the odometer. Our intent is to purchase a "new" vehicle; not a vehicle with substantial use, or a "demonstrator" unit. It must be the bidder's responsibility to pay for any and all transportation / trucking charges. No exceptions.

WARWICK FIRE DEPARTMENT SPECIFICATIONS FOR A TYPE I MEDICAL RESCUE VEHICLE

CITA	CCTC	SPECIFICA'	TIONE.
CHA	2212	SPECIFICA	TRUNS:

Bidder Complies YES NO

The requested chassis is an INTERNATIONAL DURASTAR LITE, 2019 4300 SBA LP 4X2 (MH025)

APPLICATION: Ambulance/Rescue

MISSION: Requested GVWR: 19500. Calc. GVWR: 19500

DIMENSION: Wheelbase: 175.00, CA: 102.00, Axle to Frame: 66.00

ENGINE, DIESEL: {Cummins B6.7 300} EPA 2017, 300HP @ 2600 RPM, 660 lb-ft Torque

@ 1600RPM, 2600 RPM Governed Speed, 300 Peak HP (Max)

TRANSMISSION, AUTOMATIC: {Allison 1000 EVS} 5th Generation Controls, Close Ratio, 5-Speed with Overdrive, with PTO Provision, Less Retarder, Includes Park Pawl, with 19,500-lb GVW and 26,000-lb GCW Max

AXLE, FRONT NON-DRIVING: {Dana Spicer D800-F} I-Beam Type, 8,000-lb Capacity **AXLE, REAR, SINGLE:** {Dana Spicer S14-130} Single Reduction, 13,500-lb Capacity, 190 Wheel Ends Gear Ratio: 4.30, with rear magnetic drain plug

CAB: Conventional

TIRE, FRONT: Three (3) 245/70R19.5 Load Range H HYBRID HS3 (CONTINENTAL), 631 rev/mile, 81 MPH, All-Position

TIRE, REAR: Four (4) 245/70R19.5 Load Range G G622 RSD (GOODYEAR), 620 rev/mile, 75

MPH, Drive

SUSPENSION, RR, SPRING, SINGLE: Vari-Rate; 13,500-lb Capacity

PAINT: Cab schematic 100GA Location 1: 2785, Red (Custom)

TOW HOOK, FRONT: Two (2) Frame Mounted

FRAME RAILS: High Strength Low Alloy Steel (80,000 PSI Yield); 9.125" x 3.062" x 0.312" (231.8mm x 77.8mmx 8.0mm) with Transition to 6.500" x 3.062" x 0.312" (165.1mm x 77.8mm x 8.0mm) 388.4" (9864mm) Maximum OAL; For LP Chassis

6.50" Web Height in AF Section

LICENSE PLATE HOLDER: Includes Upper & Lower Mounting Plate Hardware, Mounted in Existing Holes in Front Bumper

BUMPER, FRONT: Full Width, Aerodynamic, Chrome Plated Steel; 0.142" Material Thickness

SUSPENSION, FRONT, SPRING: Parabolic, Taper Leaf; 8,000-lb Capacity; with Shock Absorbers

SPRING PINS: Rubber Bushings, Maintenance-Free

BRAKE SYSTEM, HYDRAULIC: {Wabco} Split System, with Automatic Adjustment and

Four Channel ABS

DRAIN VALVE: {Berg} with Pull Chain, for Air Tank, Mounted in Wet Tank

AIR DRYER: {Bendix AD-IP} with Heater.

BRAKE, PARKING: {Bosch} DSSA Drum Type; 12" x 3", Spring Actuated; For Hydraulic Brake Chassis with Air Source; Activated by Parking Brake Knob on Instrument Panel; Differential Mounted

PARKING BRAKE CONTROL: Applies Hydraulic Actuated Powered Park Brake

BRAKES, FRONT, HYDRAULIC DISC: Quadraulic; Four (4) 70mm Diameter Pistons

TRACTION CONTROL, HYDRAULIC: Automatic; Hydraulic Brake System

BRAKES, REAR, HYDRAULIC DISC: Quadraulic; Four (4) 70mm Diameter Pistons

AIR COMPRESSOR: {Cummins} 18.7 CFM Capacity, with Tank for Air Source on Hydraulic

Chassis, with Air Pressure Gauge, Low Pressure Alarm and Wiring

STEERING COLUMN: Tilting and Telescoping **STEERING WHEEL:** 2-Spoke, 18" Dia., Black

STEERING GEAR: {TRW (Ross) TAS40} Power

EXHAUST SYSTEM: Single, Horizontal After-treatment Device, Frame Mounted Under Right Rail, Back of Cab, Includes Short Horizontal Tail Pipe

SWITCH, FOR EXHAUST: Three (3) Position, Momentary, Lighted Momentary,

ON/CANCEL, Center Stable, INHIBIT REGEN, Mounted in IP Inhibits Diesel Particulate Filter Regeneration When Switch is Moved to ON While Engine is Running, Resets When Ignition is Turned OFF

ELECTRICAL SYSTEM: 12-Volt, Standard Equipment

Includes

- : DATA LINK CONNECTOR for Vehicle Programming and Diagnostics in Cab
- : HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover
- : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
- : JUMP START STUD Located on Positive Terminal of Outermost Battery
- : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
- : STARTER SWITCH Electric, Key Operated
- : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
- : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
- : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted
- : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
- : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
- : WIRING, CHASSIS Color Coded and Continuously Numbered

HORN, ELECTRIC: Two (2) Disc Style

POWER SOURCE: Cigar Type Receptacle without Plug and Cord

ALTERNATOR: {Leece-Neville BLP4006HN} Brushless, 12 Volt 325 Amp. Capacity, Pad Mount, with Remote Sense

BODY BUILDER WIRING: Back of Standard or Sleeper Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

BATTERY SYSTEM: {International} Maintenance-Free, (3) 12-Volt 2775CCA Total **RADIO:** AM/FM/WB/Clock/3MM Auxiliary Input, with Multiple Speakers, with CD Player

BATTERY BOX: Steel, with Plastic Cover, 25" Wide, 2 or 3 Battery Capacity, Mounted Right Side Under Cab

WINDSHIELD WIPER SPD CONTROL: Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time

HEADLIGHTS: Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights

CLEARANCE/MARKER LIGHTS: Five (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab

TEST EXTERIOR LIGHTS: Pre-Trip Inspection will Cycle all Exterior Lamps Except Backup Lights

HEADLIGHTS ON W/WIPERS: Headlights Will Automatically Turn on if Windshield Wipers are turned on

STARTING MOTOR: {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

INDICATOR, LOW COOLANT LEVEL: with Audible Alarm

CIRCUIT BREAKERS: Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses

TURN SIGNALS, FRONT: Includes LED Side Turn Lights Mounted on Fender

GRILLE: Chrome

FRONT END: Tilting, Fiberglass, with Three Piece Construction

GRILLE EMBER SCREEN: Mounted to Grille and Cowl Tray to Keep Hot Embers out of Engine and HVAC Air Intake System

PAINT SCHEMATIC: PT-1 Single Color, Design 100

PAINT TYPE: Base Coat/Clear Coat, 1-2 Tone

ANTI-FREEZE: Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

BLOCK HEATER, ENGINE: 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines **FAN DRIVE:** {Borg-Warner SA85} Viscous Type, Screw On; Includes Fan Nylon

RADIATOR: Aluminum; 2-Row, Cross Flow, Over/Under System, 717 Sq In Louvered, with 313 Sq In Charge Air Cooler. with In-Tank Transmission Cooler Includes

: DEAERATION SYSTEM with Surge Tank

: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps

: RADIATOR HOSES Premium, Rubber

AIR CLEANER: with Service Protection Element

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

FEDERAL EMISSIONS: {Cummins B6.7} EPA, OBD and GHG Certified for Calendar Year 2018

THROTTLE, HAND CONTROL: Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel

OIL PAN 15 Quart Capacity, For Cummins ISB/B6.7 Engines

EMISSION COMPLIANCE: Engine Shutdown System Exempt Vehicles, Complies with California Clean Air Regulations

ENGINE CONTROL, REMOTE MOUNTED: Provision for; Includes Wiring for Body Builder Installation of PTO Controls; with Ignition Switch Control for Cummins ISB/B6.7 or ISL/L9 Engines

TRANSMISSION OIL: Synthetic; 20 thru 28 Pints

SHIFT CONTROL PARAMETERS: Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming

FUEL/WATER SEPARATOR: 12 VDC Electric heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor, Cummins Supplied on Engine

FUEL TANK: Top Draw, Non-Polished Aluminum, D-Style, 16" Tank Depth, 40 US Gal (151L), with Quick Connect Outlet, Mounted Left Side, Under Cab

DEF TANK: 7 U.S. Gal. 26.5L Capacity, Frame Mounted Outside Left Rail, Under Cab **CAB:** Conventional

Includes

- : ARM REST: Two (2) Molded Plastic; One Each Door
- : CLEARANCE/MARKER LIGHTS: Five (5) Flush Mounted
- : COAT HOOK, CAB: Located on Rear Wall, Centered Above Rear Window
- : CUP HOLDERS: Two (2) Cup Holders, Located in Lower Center of Instrument Panel
- : DOME LIGHT, CAB: Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted
- : GLASS, ALL WINDOWS: Tinted
- : GRAB HANDLE, CAB INTERIOR: One (1) "A" Pillar Mounted, Passenger Side
- : GRAB HANDLE, CAB INTERIOR: Two (2) Front of "B" Pillar Mounted, One (1) Each Side
- : INTERIOR SHEET METAL: Upper Door (Above Window Ledge) Painted Exterior Color
- : STEP: Four (4), Two (2) Steps per Door

AIR CONDITIONER: Provision for Accommodation Package, for Air Conditioning, Includes Auxiliary Compressor in Secondary Position and Compressor Drive Effects for Vehicle with Primary Compressor Mounting

GRAB HANDLE, CAB INTERIOR: Two (2) Safety Yellow

GAUGE CLUSTER: English with English Electronic Speedometer Includes

- : GAUGE CLUSTER: Five (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter
- : ODOMETER DISPLAY: Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout
- : WARNING SYSTEM: Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)

GAUGE, OIL TEMP, AUTO TRANS: for Allison Transmission

GAUGE, AIR CLEANER RESTRICTION: {Filter-Minder} with Black Bezel Mounted in Instrument Panel

IP CLUSTER DISPLAY: On Board Diagnostics Display of Fault Codes in Gauge Cluster GAUGE, DEF FLUID LEVEL:

SEAT, DRIVER: {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, One (1) Chamber Lumbar, Two (2) Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Angle Adjust, Dual Shocks Includes

: SEAT BELT 3-Point, Lap and Shoulder Belt Type

SEAT, PASSENGER: {National 2000} Air-Suspension, High Back with Integral Headrest, Vinyl, Isolator, One (1) Chamber Lumbar, Two (2) Position Front Cushion Adjustment, Dual Shocks

Includes

: SEAT BELT 3-Point, Lap and Shoulder Belt Type

GRAB HANDLE: Two (2) Chrome Towel Bar Type with Anti-Slip Rubber Inserts; for Cab Entry, Mounted Left and Right, Each Side at "B" Pillar

MIRRORS: Two (2) {Lang Mekra} Styled; Rectangular, Power Both Sides, Thermostatically Controlled Heated Heads, Clearance Lights LED, Bright Finish Heads & Brackets, Breakaway Type, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing

SEAT BELT: All Orange; One (1) to Three (3)

ARM REST: RIGHT, DRIVER SEAT **ARM REST:** LEFT, PASSENGER SEAT

AIR CONDITIONER: {Blend-Air} with Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

: REFRIGERANT Hydrofluorocarbon HFC-134A

INSTRUMENT PANEL: Center Section, Flat Panel

WINDOW, POWER: Two (2) and Power Door Locks, Left and Right Doors, Includes Express

Down Feature

HVAC FRESH AIR FILTER: CAB INTERIOR TRIM: Premium

Includes

- : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering
- : CAB SOUND INSULATION Includes Dash and Engine Cover Insulators
- : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets, CB Radio Pocket, Speakers, and Reading Lights
- : COURTESY LIGHT Two (2) Mounted In Front Map Pocket Left and Right Side
- : DOOR TRIM PANELS with Cloth Insert on Bolster Driver and Passenger Doors
- : FLOOR COVERING Rubber, Black
- : GAUGE, TEMPERATURE, AMBIENT Includes Wiring and Sensor with Display Unit Mounted in Cluster
- : HEADLINER Soft Padded Cloth
- : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section
- : STORAGE POCKET, DOOR (2) Molded Plastic (Carpet Texture), Full-Length; Driver and Passenger Doors
- : SUN VISOR Three (3) Padded Vinyl: Two (2) Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side

LOW WASHER FLUID INDICATOR:

WHEEL, SPARE, DISC: {Accuride 50180} 19.5x6.75 Rims, Powder Coat Steel, 4-Hand Hole, 8-Stud, 275mm BC, Hub-Piloted

WHEELS, FRONT {Accuride} DISC; 19.5x7.50 Rims, Polished Aluminum; 8-Stud, 275mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs Notes

: Aluminum Wheels not Painted or Coated

: Compatible Tire Sizes: 245/70R19.5, 265/70R19.5

WHEELS, REAR: {Accuride} DUAL DISC; 19.5x7.50 Rims, Polished Aluminum Outer Wheel; Steel Inner Wheel with 6.75DC Rim, 8-Stud, 275mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

Notes

: Aluminum Wheels not Painted or Coated

: Compatible Tire Sizes: 245/70R19.5, 265/70R19.5

TIRE, SPARE: Equal to Model Standard

WHEEL SEALS, FRONT: {International} Oil-Lubricated Wheel Bearings

Services Section:

WARRANTY: Standard for Durastar 1000/4000 Series, Effective with Vehicles Built January 2, 2015 or Later, CTS-2475P

EXTENDED WARRANTY REQUIRED: Ten (10) Year, 200,000 Mile Major Components, Navistar Policy #359096.

MODIFICATIONS:

- : EXTEND PASSENGER SIDE EXHAUST TO EXIT IN FRONT OF REAR DRIVE TIRES ON DRIVER'S SIDE (CROSSOVER)
- : DEACTIVATE AUTO DOOR LOCKS.
- : RELOCATE AIR DRYER TO INSIDE OF FRAME RAIL
- : INSTALL DUAL STUTTERTONE HORNS MOUNTED ON HOOD WITH CENTER

LANYARD AND STEERING WHEEL SWITCH

: SUPPLY AND INSTALL LIQUID SPRING SUSPENSION

DESIRED VEHICLE DIMENSIONS		Bidder Complies	YES	_NO	
Overall Height:	113"				
Overall Length:	290"				
Overall Width:	99" (excluding mirrors)				
Interior Headroom: 75"					
Module Length:	170"				
EXTERIOR, ALUMINUM BODY CONSTRUCTION					
FRAMES:		Bidder Complies	YES	NO	

The module body must consist of an electric welded, unitized aluminum roll cage structure throughout. The framework must consist of six individual frames that are constructed in such a manner to insure squareness and flatness before being assembled into a box configuration.

mamer to insure squareness and numess serore t	Joing appointment into a box o	omiguium	.011.
MATERIAL:	Bidder Complies	YES	NO
All material used on any frame member, corner a alloy. This alloy must be 6061-T6 with tensile struch as 6063 is not allowed due to its lesser mecl 6061-T6 is approximately 25% greater than 6063 alloy must be provided upon request to verify the	rength of 45,000 psi. The use hanical properties. The ultima 3 alloy. Material certification	e of lesser ate streng s showing	r materials th of g 6061-T6
WELDING:	Bidder Complies NO	YES	
All welding done on any part of the frame structure this alloy and type of structure. Welders testing count welds must have 100% weld penetration using aluminum. All welding must be done in accordance Structural Welding Code.	certifications must be provide ng a filler wire approved for	ed upon re this alloy	equest. All
FLOOR FRAME:	Bidder Complies	YES	NO
The main floor structure must consist of a primare frame must consist of 2"x3"x.250" square wall to critical importance to the structural integrity of the members less than 2" x 3" x .125" is not acceptable modulus calculations are less than minimum acceptate floor frames must consist of 2"x 2" x .250" (square tubular aluminum. Areas between exterior comparaminimum of 2"x 2" x .250 (square). A heat shift to the underside of the Floor Frame. The shield in the exhaust from the modular body.	abular aluminum. This primathe module. The use of channels ble due to its moment of inerteptable. The secondary supported and 1 1/2" x 2" x.125" (reartments and sub-floor supported made of 22 GA galvanized.	ry frame in the sections of th	is of s or frame ction s of the r) wall ers must be s attached
VERTICAL FRAMES:			•
FRAMES, Left and Right Sides:	Bidder Complies	YES	NO
The vertical left and right side frames must consi			

The vertical left and right side frames must consist of heavy duty custom aluminum extrusion members. The vertical corner and horizontal upper "Main Beam" must consist of an extrusion with the minimum dimensions of 5 3/4 by 3 7/8 inches with a cross section across the web of .1875 inches. Built into the inside edge of the vertical and horizontal section must be an area where the exterior door seal must mate. This door jamb area must be designed into, and be part of the main corner extrusion. Door jamb sections which are welded in place are unacceptable due to the possibility of the welds cracking which in turn leads to door and or exterior paint cracking and failure. The inside door jamb which is part of the structural member (not a welded section)

must have minimum dimensions of 1 inch wide by 1 1/4 inches deep and have minimum side vertical wall thicknesses of .1875 inches. This door seal and jamb section must be recessed behind the exterior surface of the body approximately 7/8 of an inch to allow the door seal to be placed outboard of the door latches and provide for a full uninterrupted hollow core door seal mounted on every door. Each door of the vehicle must seal on this integrated section of the extrusion. The outer exterior mounted finish trim must be sealed to the body during fabrication. The sealant used must be a high strength automotive product which can be painted. All parts which utilize sealant must not be structural members but just trim sections. The FMVSS 206 Rated door closure bolt must be mounted directly to this structural member and not to a welded door jamb section. Door alignment must be maintained by discrete alignment grooves extruded in the custom shape. This designed in feature eliminates the need for excessive adjustment allowance which could become maintenance issues at some future time. The area of the structural member which is in contact with the roof box beams must incorporate a 1/2 inch flange to carry the load of the roof structure and resulting static load when applied. This support flange is utilized to prevent the need for the roof and roof structure to be held in place by the welds only.

The main support, structural members around the door openings must incorporate a built in door seal and jamb surface similar to the one found around the main corner extrusion, with all the strength and design features the same. Two distinctly different types of structural members must be used for different types of door configurations. Doors which are placed in the modular body which are not adjacent to any other door must utilize an extrusion with the overall dimensions of 3 inches wide by 2 inches deep. This extrusion must form the two vertical and two horizontal door seal, and jamb surfaces. Doors of this type which are placed on the forward most or rear most positions of the body, must utilize the main corner extrusion with its built in door seal to act as one side of the structural door seal and jamb surface. For the same reason a door which extends the full height of the modular body must utilize the upper most main corner extrusion for the top horizontal door seal and jamb surface. Door configurations which have two doors adjacent to one another must utilize a structural body extrusion with minimum dimensions of 4 inches wide by 2 inches deep. Between each door must be a minimum of a 2 inch structural wall and floor support. Under no circumstances must two adjacent compartments not include this 2 inch structural member. Similar to previous door structural extrusions this member must incorporate two built in door sealing surfaces without the need for welding additional parts as stated previously.

The remaining structural members of the vertical side frames must utilize 2 inch by 2 inch by .125 inch thick wall and 1 1/2 inch by 2 inch by .125 inch thick wall structural box beam members. All members of the side vertical frames must be placed at a maximum of 12 inches on center. Closer spacing must be utilized in areas of critical strength requirements. Along the floor line, must be 2 inch by 2 inch by .1875 inch structural angle attached to the side frame, which then during assembly into a module must be fully welded to the floor frame. These members must act as the main attachment point for the side frames, where the vertical frames meet the floor frame, and at this point of attachment full welds must be utilized.

VERTICAL FRAMES	Front and Rear:	Bidder Complies	YES	NO

The front and rear frames must be fabricated utilizing the same main structural corner extrusion as the side vertical frame along the horizontal top edge. The remaining structural members of this frame must utilize 2 inch by 2 inch and 2 inch by 1 1/2 inch by .125 inch structural box beam members. These structural members must be placed on a minimum of 20 inches on center. A closer spacing must be utilized in areas of critical strength. Rear facing door openings must utilize custom aluminum extrusions in place of box beam members as required. The door openings must be exactly as specified for the doors located on the vertical side frames as described previously.

described previously.							
ROOF FRAME:	Bidder Complies	YES	NO				
The roof frame of the vehicle must be fabricated from 2 beam structural members. The transverse frame member inches on center.							
MODULE ASSEMBLY:	Bidder Complies	YES	NO				
The six frames as previously stated must be assembled in rear, two sides and roof sub frame before any of the extension work must be a self-supporting body and not require the integrity. The framed body, without the skin must be called of the vehicle per A.M.D. 001 specifications.	erior skin is applied. use of the exterior sk	The structuring for for structure in for structure in the	ural frame ctural				
The floor frame must be welded to the two vertical side and behind the wheel box area. This welding must be 1 perimeter welding and center bonding of the exterior pathe modular body.	00% continuous in the	ese areas.	The full				
SIDE IMPACT PROTECTION							
BODY PROTECTION	Bidder Complies	YES	NO	_			
Per Federal Motor Vehicle Safety standards, the vehicle must be designed to protect the occupants or equipment from side impacts. This must be accomplished by: (a) Two side impact rails with minimum dimensions of, 2 inch by 5 inch by .125 inch 6061-T6 aluminum alloy, structural box beam member located approximately 24 inches from the lower side rail; and approximately 18 inches from the upper side (b) full structural members which extend across the body in the transverse direction between the compartments. Modular bodies that do not provide this protection at each compartment location must be cause for rejection of the vehicle.							
MODULAR BODY DOOR PROTECTION	Bidder Complies	YES	NO				

In addition to the vertical body sides, each door with a vertical height greater than 30 inches, on the left and right sides of the vehicle must incorporate a 2 inch by 5 inch by .125 inch 6061-T6 aluminum alloy, structural box beam members. Each member must be welded to the interior door

extrusions. The structural members must be placed approximately 24 inches from the lower side rail. There must be no exceptions to side impact protection in modular body doors.

EXTERIOR PANELS:	Bidder Complies NO	YES
The two sides, front and rear must be covered with alumninum alloy sheet with tensile strength of 38,0 applied using "Very High Bond" structural bonding structure, both the sheets and the structure must be In addition to the structural bonding tape the exteri corners and along all door openings. This welding on the finished body module. The side panels of the or fabricated. Additional welding must be done at panels meet the lower structural support members. exterior panel to the substructure in an area where vehicle.	2000 psi. The center areas of the grape. Before any tape is application that are sometimes are some series and the sound is only done in areas that will not exhibit must be single piet the lower rub rail area where This welding is done to contact the series are some series.	he sheets must be plied to the approved solvent. g the perimeter ll not show dimple ce and not welded e the body exterior apletely bond the
ROOF SHEET:	Bidder Complies NO	
The roof sheet must be a one piece sheet of .125" 5 in the roof panel or any overlapping seams. The roof frame from the inside. The outside perimeter of the must be 100% welded prior to painting. This 100% sealers and the possibilities of water leaks into the CORNER AND ROOF CORNER EXTRUSION	of sheet must be fully welded e roof sheet where it meets the welding eliminates the nee body.	d to the roof sub ne upper cove d for caulks or
The exterior body corners and coves must be an exaluminum. Both the corners and roof corner extrust extrusion design with an inside flat mating surface form a smooth transition at all corners of the body, as to provide an interlocking surface with the "Mai provide a weld surface to attach the corners to the rinclude threaded mechanical fasteners to pull the typrovides a completely tight interface surface. To expressed sealant groove must be incorporated into with the body and roof exterior panels. This groov water infiltration and pre-vent corrosion. The cornestructural component of the body, but means to protight surface. NO EXCEPTIONS. Designs which surface/structural member are unacceptable.	sions must have a 1 5/8" radi . The exterior surface must be. The corners must be design in Beam" extrusion. This sur- main beam. The process of a wo surfaces tight prior to the enhance the corner waterproof the exterior flanged surface we allows the surfaces to be so hers must be designed so they evolved a smooth exterior trans-	us hollow be designed to led in such a way rface contact must attachment must welding. This of integrity a which is in contact lealed to prevent are NOT a ition and water
CORNER CASTINGS:	Bidder Complies	YESNO

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

	The state of the s				
EQUIPMENT MOUNTING LOCATIONS & REINFORCEMENTS:	Bidder Complies	YES	_NO		
Areas within the body that have equipment mounted or is structural-al members welded in place. The areas are as		e additiona	1		
be installed on the side interior walls, including left side	1. A .250" thick 1.25" by 2.5" structural angle to mount squad bench and seat belt restraints must be installed on the side interior walls, including left side attendant seat. The entire assembly must be tested and certified to F.M.V.S.S 210. Documentation must be provided upon request.				
2. Cot mounts must be mounted/bolted to structural men Cot mounts must be tested and meet A.M.D. Standard A provided upon request.					
3. Rear facing attendant seat pedestal must be mounted t	o a reinforced structur	al channel			
members between the frame members of the floor struct to and certified to F.M.V.S.S. 210. Documentation must	ure. The entire assemb	oly must be			
4. The oxygen bottle retention bracket must be bolted to compartment. Under No Circumstances must an oxygen only, they must always be bolted to a structural member assembly must be tested to A.M.D-003.	bottle be secured to in	nterior cabi			
5. Reinforcing plates for ceiling dome lights must be ins	talled between the roo	f frame me	mbers.		
6. Double laminated reinforcing plates must be installed in the front body frame for added strength in the areas where the body is bolted to the cab, in addition to structural angles in the front frame above the cab roof.					
WHEEL WELL CONSTRUCTION:	Bidder Complies	YES	NO		
The rear wheel well housings must be designed to OEM clearances. The inner well must be formed to follow the from .125 aluminum sheet, and extend down to the lowe include clearance for full tire chains. All wheel well hou undercoated prior to mounting the body.	contours of the wheel or body skirt level. Tole	and be fab erances mu	ıst		

Manufacturer will warranty to original purchaser that the new emergency vehicle body (exclusive of paint finish) is structurally sound and free from all structural defects of both

Bidder Complies

YES NO

LIFETIME STRUCTURAL WARRANTY

material and workmanship, and further warrants that it will maintain such structural integrity for the life for the body. Warranty transferable subject to inspection by manufacturer. Bidder must include statement of warranty policy with bid.

FINITE ELEMENT ANALYSIS	NO	1 E.S
The Manufacturer must certify that a Finite Element An has been successfully performed to simulate side impact Loading must conform to the Code of Federal Regulation 8.2.2, Section 8.3.5, and Section 8.3.6. The analysis must experience a localized displacement of greater than 3 into of the analysis must be provided at the time of the bid so the results of FEA must be provided upon request. This certification of conformance to KKK-A-1822, revision in the conformance of the section of the section of the conformance to KKK-A-1822, revision in the conformance to KKK-A-1822, revisio	alysis, using Solid Water that the answer that the amburst show that the amburst show that the amburst in critical areas. Abmission. Detailed spanalysis must be in accordance of the shows that the amburst shows that the amburst shows that the accordance of the shows that the shows the shows the shows the shows that the shows	mbulance body. 571.208, Section lance body will not Documented proof pecifications and
EXTERIOR COMPARTMENT CONSTRUCTION:	Bidder Complies NO	YES
The exterior compartments must be fabricated from full and ceiling material must be fabricated from .125" alumits own independent unit with two sides, rear, top and be an adjoining compartment. All vertical seams of the combend or 100% welded construction. Overlapping caulke compartment unit must be welded to the inside of the stamust incorporate a flush sweep out design. No compartment above or protrude into the compartment opening at all.	ontinum sheets. Each continum sheets. Each continum, and not share ampartment must be continued vertical seams are unctural door jamb. A	mpartment must be common wall with ontinuous one piece macceptable. Each ll compartments
EXTERIOR COMPARTMENT FINISH:	Bidder Complies NO	YES
The rear and two side walls of the interior surface of the fabricated from 100% welded, .080" polished aluminum	_	
EXTERIOR COMPARTMENT SHELVES:	Bidder Complies NO	YES
All shelves as specified in exterior compartments must aluminum diamond plate with a 1" flange bent up on bo shelf must be mounted to heavy duty UNISTRUT shelv adjustment. The front edge of the shelf must be finished	th the front and rear or ing standards to allow	of the shelf. The variation for full
CAB TO BODY PASS-THRU:	Bidder Complies	YESNO

A cab to body pass-thru window must be installed in the front of the body and rear of cab. In the front of the body the module framework must be positioned to allow for a minimum opening of

18" wide x 18" high. The opening must have a full perimeter 5/8" flange on the body side with 2" radius in the corners. The rear of the cab must be modified by adding a flange to the rear glass center framework section. The frame flange must have a matching 5/8" flange to align with the opening in the body and provide approximately a 1 3/4" gap between the cab and body for flexing. Attached to the flange must be an automotive quality EPDM rubber bellows material with steel spring carrier attachments completely sealed at the seam. The seal must be semi-permanent and removable if required at some future time.

Ridder Complies

VES

RODY MOUNTING PURRED DONLITS.

BODI MOCHTING ROBBER BONGIS.	NO	
The modular ambulance body must be mounted to the chremoval for future remounting with other manufacturer's dimensions. Mounting devices must be ten (10) high streside. Such bolts must secure the body to the frame via rurubber donuts must be mounted to the frame rail of the counter to the frame with two (2) grade 8 bolts on the side and or	s vehicle chassis having the cab to axle ength 5/8" Grade 8 bolts five (5) on ear abber isolation mounting donuts. The chassis utilizing steel outriggers secure	e ch
Outriggers are fabricated from ASTM A36 3/8" steel plastrength. Mounting surface for the donut has a reinforced	d thickness of 7/8". ASTM A36 Steel	
Plate has a Tensile strength of 58000 to 80000 PSI, and a which is equal to the Chassis frame specifications.	a Yield strength 36000 PSI minimum -	_
A full length 2" x 5" x 1/4" mounting channel is attached Body floor frame is fully welded to the mounting channel tubes are a minimum of 2" x 2" x .250 (1/4") tubular alu SYSTEM MEETS OR EXCEEDS ALL FMVSS REQU	el at all cross members. Floor frame minum 6061T6. THIS MOUNTING	t.
LOWERED SIDE SKIRTS:	Bidder Complies YES NO	
The right and left side skirts of the body, forward of the right and left skirts aft of the rear wheels. This is to allow door and the left side forward compartment of the vehicle	w easier access into the side entrance	2
STEPWELL COMPARTMENT/ INTERMEDIATE STEP:	Bidder Complies YESNO	0

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

The vertical sides of the compartment must be fabricated from .080 polished aluminum diamond plate. The floor must include non-skid turtle tile, removable with a drain/sweep out plug for ease

of cleaning. The intermediate step must also be provided with the same non-skid turtle tile on the horizontal stepping surface. Aluminum diamond plate on the floor is unacceptable due to the slippery surface when wet.

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

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

Bidder Complies

YES NO

DOOR CONSTRUCTION:

All doors including personnel and compartment doors must be constructed of a custom designed
extrusion made of 6061-T6 aluminum alloy, used in combination with a "Bent Box Pan" exterior
door panel. The bent exterior door panel must be fabricated from .125" 5052-H34 aluminum
alloy panels that have the exact properties and quality as the exterior side panels. Each door pan
must be manufactured with a 3/4" sharp inside corner bend to minimize outside bend radius. The
custom extrusion must be 45 degree miter cut and fit into the 3/4" recessed area of the pan. An
epoxy seal must be applied between the door pan and the extrusion to seal each door in addition
to 100% welding on the outside corners of the door pan. The door must have an overall
dimension of 2 1/2", with the primary door seal being mounted to the door at the 3/4" dimension
of the door exterior pan. The door latching hardware must be mounted inboard of the seal in all
cases. The door must have gussets welded from the inside and must be reinforced in areas where
windows are to be installed and for areas where heavy objects might be hung from them.

The door extrusion must be designed in such a way to provide two surface grooves which are used for proper alignment of the door hardware concealed within the door. The grooves must be used for proper in-out placement of the hardware so that proper alignment is always maintained. All slots and cutouts required for the rotary latches must be machined or stamped prior to the construction of the door. Door configurations requiring double doors, must utilize a structural member attached to the adjoining edge of the second opening door. This structural member must match the seal surface of the door jambs on the balance of the door opening. This member must be welded in place and be a permanent member of the door. Add-on or bolted double door dividers are unacceptable.

DOOR SEALS:	Bidder Complies	YES	NO	

The door must incorporate a continuous seal permanently attached around the entire perimeter of the door. Automotive latching hardware must not interrupt the seal surface. The seal must be a custom designed hollow core seal specifically designed for hinged doors. It must be a "Dynamic"

type seal with vent holes on the outside edge to allow for easier closing of door against seal. Flat open or closed cell solid rubber "Static" seals are not acceptable for hinged doors.

DOOR HINGES:	Bidder Complies	YES_	NO
Each door must be hung with stainless steel continuing which is staked every six (6) inches to prevent the the door and to the body using 1/4-20 stainless steel both sides, use of rivets on hinges is not acceptable include a closed cell foam barrier between the dispainted aluminum body. A close cell gasket must gaps caused by securing the hinge.	e pin from sliding. The eel threaded machine le. All hinges installe similar stainless steel	e hinges of fasteners and on the hinge sur	nust be held to every, 4" on body must rface and the
DOOR LATCH HARDWARE:	Bidder Complies	YES_	NO
Every door must utilize an automotive type rotary access must utilize two latches; one located on the compartment doors taller than 70" must utilize two and the other at the bottom. Single point hardware hardware is unacceptable. The latches must meet	e top of the door the collatches; one located for this type or any FMVSS 206 standar	other at the toother type dand mu	e bottom. All op of the door of door st not be
modified in any way to jeopardize its integrity. L for immediate rejection of vehicle.	atch pins without hea	ds intact	must be cause
All rotary slam latches must be activated by adjus are unacceptable. All door hardware and rod assertattle.	mblies must be design	ned to min	nimize hardware
Compartments that require double opening doors closing door in addition to second closing door. T each compartment door on the exterior which man	he latches must be ac	tivated by	y a handle in
All door hardware, including rods and latches, mu Doors with any exposed latching hardware are un- latches, hinges and body/door components must be documentation must be provided upon request.	acceptable. All door	systems,	including
ANODIZED ALUMINUM DRIP MOLDINGS	S: Bidder Comp	olies Y	ES
Anodized extruded aluminum drip moldings must and entrance doors. The moldings must be attache be easily replaceable if damaged. This molding m compartment and entrance door opening.	ed without the use of	unsightly	screws and must
COMPARTMENT DOOR BUMPERS:	Bidder Com _l NO	olies Y	ES

Heavy duty tape on type r	ubber (Styrene	butadiene rubber,	SBR) bu	umpers must	be installed o	n
all compartments that may	y come in conta	act with one anothe	er.			

LOCKTITE/FASTENERS:	Bidder Complies NO	YES	-
All exterior door hinge bolts, inner door panels on both and door latching bolts must be installed with the use of	-	-	•
TRIMARK POWER LOCKING ENTRANCE DOOR HANDLES:	Bidder Complies	YES	_NO
The right side and right and left rear entrance doors mup addle handle. This handle must activate an F.M.V.S.S latch, two latches per door. Single point door latches for exterior handle must have chrome housing and chrome mounting hardware exposed to the outside for security entrance doors including the left rear door, must be a marelease type designed specifically for use with this system of activated power door locking system. This system is	approved rotary style r entrance doors are u release paddle. There reasons. The inside ha atching automotive do em. Door hardware m	e automotive nacceptable. must be no indles on all esign, flush p nust incorpor	e door The paddle rate a
in service. Prototype systems are unacceptable. All rods mechanisms must incorporate anti-rattle devices to prev	s used for interior doo	r release	
All entrance doors must incorporate a power locking un	llocking feature. The	control of th	
power door locks must be from a switch located on the key activated override of power locking feature.	driver's console. All	handles mus	t have
TRIMARK POWER LOCKING COMPARTMENT DOOR HANDLES:	Bidder Complies	YES	_ NO
All compartment doors must incorporate automotive sty activate an F.M.V.S.S. approved rotary style automotive have chrome housing and chrome release paddle. There to the outside for security reasons. Door hardware must locking system. This system must be use in at least 100 systems are unacceptable. NO EXCEPTIONS	e door latch. The exte must be No mounting incorporate a rod acti	rior handle r g hardware e ivated power	nust exposed door
All compartment doors must incorporate a power locking door locks must be from a switch located on the driver' activated override of power locking feature.	_		
GAS SPRING DOOR HOLDERS: Bid	lder Complies YE	SNO	
All hinged compartment doors and right side entrance of spring door holder. The mounting bracket, piston end for	-	-	_

1/4" gusset within the door. The door holder gas spring end must be attached to compartment ceiling. The gas spring must be installed with a 10 degree pitch downward to improve function and extend life of gas spring.

ALL COMPARTMENT DOORS TO CHECK PAST 90 DEGREES	Bidder Complies	YES	_NO	
The Gas spring door checks on all standard compar degree, open default position to allow easier access		•	andard 90	
REAR ENTRANCE DOOR HOLDER, "GRABBER":	Bidder Complies	YES	_NO	
The rear entrance doors must incorporate a Polished holder device. This device must hold the door at approach to the securely bolted to the vehicle substructure doors	oproximately 170 deg	rees. The d	oor holders	
COMPARTMENTS				
COMPARTMENT "A"	Bidder Complies	YES	_NO	
Left front compartment with the dimensions of 20w	v x 86h x 21.75d.			
COMPARTMENT "B"	Bidder Complies	YES	_NO	
Left side half high compartment with dimensions o	f 40w x 42h x 21.75d	•		
COMPARTMENT "C"	Bidder Complies	YES	_NO	
Left rear half high compartment with dimensions of	f 36w x 39h x 21.75d			
COMPARTMENT "D":	Bidder Complies	YES	_NO	
Right front inside/outside storage compartment, with the width and height dimensions of 20w x 63h. Above the vehicle floor level, access must be from either the exterior or the interior of the vehicle with a depth of 33". Below floor level must be outside only access, of the lower compartment with a depth of 14".				
COMPARTMENT "E"	Bidder Complies	YES	NO	

Right rear compartment with the dimensions $24w \times 83h \times 21.75d$. The compartment must provide inside outside access from the center isle of the vehicle.

COMPARTMENT DOOR PANELS:	Bidder Complies	YES	NO
Interior door panels on compartment doors replate held on with threaded fasteners that pro-			
STAINLESS STEEL DOOR SILL PROTECTION PLATES:	Bidder Complies	YES	NO
Heavy duty stainless steel protection plates and compartment door openings. The plates dimensions of 1/2" x 1", by full width of the mounted without the use of screws and be remust be filed and deburred for a finished app	must be a formed polished s door opening. The angle ple movable for replacement if	stainless s ates must	teel angle with be permanently
COMPARTMENT VENTING:	Bidder Complies	YES_	NO
The exterior compartments must be vented to located in the lower portion of the compartment allow the compartment door to close with east to prevent road debris from entering the compartments.	nents. Vents are installed to a use The vents are added to a	allow air 1 an area ab	to escape and ove floor level
DRI-DEK FLOOR MATTING:	Bidder Complies	YES	NO
Dri-Dek material must be installed on all flo be custom cut to fit around oxygen bottles an edges must include the Dri-Dek tapered edge	nd mounted equipment. The		
RUBBER MATTING SHELVES:	Bidder Complies	YES	NO
A .125" rubber mat material must be installe rubber matting material must be custom cut Turtle Tile Non-skid Stepwell Mat (removab	to fit each compartment she		artments. The
SIDE ENTRANCE DOOR STEPWELL:	Bidder Complies	YES	NO
The floor of the step well compartment must must be removable for ease of cleaning.	be lined with nonskid Turtl	le Tile ma	t. The mat
ADJUSTABLE SHELF EXTERIOR COMPARTMENT "A":	Bidder Complies	YES	NO

An adjustable shelf must be added to the left front exterior compartment. The shelf must be mounted on four sections of aluminum Unistrut, and be fully adjustable. An LED light fixture must be installed under the shelf. The compartment light must be controlled by an automatic door post switch in the door. The compartment open indication light must activate anytime any compartment door is opened. The door post switch must activate the compartment lighting relays. The door post switch must not carry the current of the compartment lights.

VERTICAL DIVIDER:	Bidder Complies	YES	NO
Compartment "B" must be equipped with a full he from a 0.125" aluminum panel with flanges on top attachment to the compartment. Dividers must ha	and bottom and back	k edge for	
ADUSTABLE SHELVES (2) AND A FIXED DIVIDER:	Bidder Complies	YES	NO
Compartment "C" must contain two (2) vertically that will be mounted on Unistrut shelving standard located 12" from the right wall. Within this 12" s from within the ambulance so refuse may be discarded.	ds, and attached to a finance, there must be a	full-height	fixed divider
FULL HEIGHT DIVIDER W/(3) ADJUSTABLE SHELVES:	Bidder Complies	YES	NO
Compartment "E" must be equipped with a full he for long equipment storage and three 10.25" adjust The divider must be fabricated from a 0.125" alunand back edge for better attachment to the compart "Powder Coat" paint process. The shelves must be Unistrut, and be fully adjustable.	stable shelves on the continum panel with flar trent. Dividers will	other side on nges on top be finished	of the divider. and bottom d off with a
BACKBOARD MOUNTS:	Bidder Complies	YES	_NO
The right rear full height compartment must be pr for securing two (2) backboards. The mount must 16"d) 3" aluminum channel. The channel will be friction mount must be press fitted onto each side must be provided to allow for Long Boards with r	t be fabricated from a bolted to the interior of the 3" channel, ful	n "L" shap compartme	ed (45"h x ent. The rubber
MOUNTING HANGER FOR SCOOP STRETCHER:	Bidder Complies	YES	_NO

The right rear full height compartment must be provided with a rubber coated "Ferno EXL" Scoop hanger for hanging of a Ferno #65 Scoop Stretcher or Ferno #65 EXL Scoop Stretcher.

SCBA MOUNTING, CORNER BRACKETS:	Bidder Compli	ies YES	SNO_			
Compartment "B" must be equipped with factory supplied ZICO angle mount, mounted in the inside corners of the compartment to accept SCBA brackets.						
REAR STEP BUMPER:	Bidder Complies	YES	NO			
A full length reinforced rear bumper must be installed be fabricated from 3" aluminum 6061-T6 structural frame using high strength, grade 8, 1/2" bolts. The becovered with polished aluminum diamond plate end be provided to support the bumper ends in the event fabricated from 3" x 2" x 1/4" structural aluminum to gussets.	channel and securely umper must have con caps. In addition, two of minor impact. The	bolted to the toured end to full end to gussets n	he vehicle ls and be gussets mus nust be			
The bumper must incorporate a design that allows it Any rear bumper design that does not have a recesse body recessed bumper design allows the chassis fran- damage to ambulance body.	ed design must be una	cceptable.	The under			
LIFT-UP REAR STEP; RECESSED STEP RISER:	Bidder Complies	YES	_NO			
The rear step bumper must incorporate a 44" long by 9 1/2" deep, lift-up center section made of extruded aluminum, "Diamond Back" safety grating. The step must hinge on a full length stainless steel piano hinge. Note: When the step is in the load position the step must be totally within the exterior of the body and must not protrude beyond the door sill.						
DOCK BUMPERS:	Bidder Complies	YES	_NO			
Two (2) Heavy duty black rubber dock bumpers mu each side. The bumpers must be 2" high, 10" long at The dock bumpers must be bolted to the structural compared to the structural compar	nd protrude 2" outwar	rd from rea				
ALUMINUM DIAMOND PLATE ACCESSORI	ES					
FRONT STONE GUARDS:	Bidder Complies	YES	_NO			
High polished .100 aluminum diamond plate stone g corners. The guards must be one piece & contoured The stone guards must be removable for repair in ev	to fit the 1 5/8" outside	de radius o	f the body.			

plate panels must be sealed with a closed cell gasket around the perimeter, to prevent moisture

from getting behind panels. All panels must be removal if required.

RUB RAILS, "C" CHANNEL:	Bidder Complies	YES	NO		
"C" Shaped rub rails must be installed on the lower body skirt panels under the door line with open Flanges pointing away from the body. The rub rails must be Custom Aluminum Channel. The ends must be chamfered and all sharp edges sanded. The aluminum must be protected with an anodized Bright-Dip finish. The rub rails must be attached to the body with .625 deep rubber spacers that hold the channel off the body. This spaced design prevents debris from accumulating between the Rub Rails and the painted body. Designs that are not offset from the body are unacceptable due to their tendency to accumulate debris. The rub rails must span the left and right side of the ambulance body on either side of the rear wheel opening.					
DIAMOND PLATE FUEL TANK COVER AND STEP:	Bidder Complies	YES	NO		
The driver side fuel tank must be covered with a cover. The cover must be bolted on, and be easily sending unit components. The tank must include step built into the diamond plate cover. All seams strength and a finished appearance.	removable for access an upper and lower alu	to fuel de ıminum gı	livery and rip strut helper		
DIAMOND PLATE FULL WIDTH STEP:	Bidder Complies	YES	NO		
The curb side Cab step must be a custom fitted, polish aluminum diamond plate cover, with built in grip strut steps. Lower portion is bolted on, and the upper portion will be a removable cover with two hand release catches for battery access. All seams and corners must be 100% Heliarc welded for strength and a finished appearance.					
REAR DIAMOND PLATE PANEL & CORNER GUARDS:	Bidder Complies	YES	_NO		
A polished aluminum diamond plate kick panel must be installed above the rear step bumper and below the rear doors. The panel must overlap. The step riser panel must be removable.					
Polished aluminum diamond plate panels must be installed on the rear body corners. Panels must extend to the rear step riser, and protect the lower area of the body around the rear recessed bumper step. The panel height must be approximately 4" in height.					
EXTERIOR TRIM					
REAR WHEEL FENDERETTES, RUBBER:	Bidder Complies	YES	_NO		

Heavy Duty Rubber, fenderettes must be installed around the rear wheel opening, sized to allow for proper tire clearance. The fenderettes must be bolted on for easy removal. All hardware must be concealed. Exposed mounting hardware is unacceptable.

LICENSE PLATE HOLDER:	Bidder Complies	YES	NO
A recessed Cast Products polished aluminum li rear body panel of the ambulance. The housing durometer rubber gasket. It must include (1) Li headlights of the vehicle.	must be installed with	an EPDM	40 to 60
UNDERCOAT:	Bidder Complies	YES	NO
The underside of the modular body, including finust be undercoated with AudioGuard ® Acou applied prior to the body being mounted to the application will be evenly sprayed to a minimum wheel box and stepwell areas.	stical Coating P8060. Chassis to ensure maxim	Γĥe materi mum covei	al must be rage. Material
After the body has been mounted to the chassis applied under the cab and to the body aluminum exhaust and other heat generating components	n sub floor with the exc	ception of	
AUDIOGUARD® ACOUSTIC COATINGS P sprayable, coating designed to reduce structure transmission The characteristics of the coating chipping, cracking, or marring of painted or unwherever a reduction in airborne noise is desired	-borne vibrations and a g provide a tough mater painted surfaces. The c	associated rial that car	sound n prevent
EXTERIOR BODY WINDOWS		•	
SLIDING SIDE DOOR WINDOW:	Bidder Complies	YES	NO
A Transportation Products, Inc. 18"W x 22"H x door. It must have sliding, 31% tinted automoti aluminum black anodized frame. The window is an inside clamp ring which matches the exterio sliding removable screen.	ve safety glass and be nust be completely sea	mounted w led and he	rithin an ld to the door via
FIXED REAR DOOR WINDOWS:	Bidder Complies	YES	NO
Two (2) Transportation Products, Inc.15"W x 2	22"H windows must be	installed in	n the rear

entrance doors. They must have fixed automotive 31% tinted safety glass and be mounted with an aluminum black anodized frame. The windows must be completely sealed and held to the door via an inside clamp ring, which matches the exterior of the window.

RIGHT SIDE SLIDING BODY WINDOW:	Ridder Complies	VFS	NO			
A Transportation Products, Inc. 45"W x 15"H window must be installed in the right side body panel above the interior squad bench. It must have sliding 31% tinted automotive safety glass and be mounted within an aluminum black anodized frame. The window must be completely sealed and held in the body via an inside clamp ring which matches the exterior of the window. The window must incorporate a sliding removable screen. INTERIOR MODULAR BODY CONSTRUCTION TYPE						
STANDARD CABINET CONSTRUCTION:	Bidder Complies	YES	NO			
The interior cabinets of the vehicle must be comp grade, cabinet birch plywood and In non-stress ar must be with 1 ¼ inch #8 zinc screws through ½ plywood. 1¼" staples are utilized for both application plywood. The staples are spaced approximately 2 inches apart. All wood to wood joints are glued. attachment point where it is secured to the vehicle directly to the vehicle framework and all mounting	eas 1/4" plywood. A inch plywood and 1 ½ ations. ¾ inch staples 2 inches apart and the Each cabinet must in a framework. All cabi	ssembly of the sare utilized screws should be a rein inets must be	the cabinets gh ¾ inch I for ¼" uld be 6-8 forced e attached			
centers for any cabinet.						
All cabinets must be covered with AEON Enhance laminate and trimmed with aluminum moldings funfinished edges of any kind including aluminum	or a finished appearan	nce. Raw wo	-			
When a full height left front cabinet, full height right rear cabinet, or a full height cabinet in the right front exists in the vehicle, it will have rounded corners of radius 1.5" on the inboard vertical edges. The rounded corner will be constructed from two extrusions made from 6061-T6 aluminum. The interior extrusion is designed to attach two perpendicular sheets of furniture grade laminated plywood. The exterior or visible extrusion will be satin anodized and designed to snap into the interior extrusion, so that it may be replaced if damaged. If the full height left front cabinet, right rear cabinet, or full height cabinet in the right front have specific components preventing the cabinet from incorporating the rounded corner design it will have the edge of the cabinet finished with anodized aluminum three quarter round molding.						
WALLS:	Bidder Complies	YES	NO			
All walls of the vehicle must be fabricated using high pressure AEON enhanced performance plast body framework using threaded fasteners.	- -					

ADJUSTABLE SHELVES:

Bidder Complies YES____NO___

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

HINGED DOORS:	Bidder Complies	YES	NO		
All hinged doors must be equipped with hinges and a locking Southco stainless steel positive latching device to prevent opening while in motion. All surfaces of the door including the edges must be finished to match the interior of the vehicle cabinets.					
WIRE RACEWAY:	Bidder Complies	YES	_NO		
A full length drop down wire raceway must be installed down the center of the ceiling. It must be finished with 1/8" padded vinyl material to match the upholstery in the vehicle. Vehicles which utilize wire raceways above or behind interior cabinets are unacceptable.					
SOFFIT TRIM:	Bidder Complies	YES	_NO		
A vinyl covered soffit trim piece must be installed around the perimeter of the interior cabinets where they meet the ceiling. This trim must be added to allow access to the cabinet mounting bolts and provide a finished transition between the ceiling and cabinet surfaces. CUSHION AND UPHOLSTERY FOAM Bidder Complies YES NO					
PADDING:	Didder Compiles				
The foam padding on all head bumpers and upper padded surfaces must be a Volara 2A, closed cell foam which is laminated and layered to a ½" thickness, to provide both compression resistance and compression density. This laminated, closed cell foam creates a padded surface that acts as an air-spring when compressed. This specialty foam naturally resists force and will not "bottom out" upon impact and provides positive resistance to pressures applied in any dimension,					
The foam padding on all side attendants, squad-bench seating and all seating backrests must be a 3" Nimbus open cell foam with a # 1865 grade standard, which provides maximum rigidity while still maintaining comfortable seating upon a variety of weight compression. This grade of open cell foam allows the air to escape the foam under compression, thus providing a comfortable seating surface. Also, the density of the foam does not allow the foam to "bottom out" upon compression. The foam types used have low water absorption and vapor transmission rating and excellent thermal insulation and chemical resistant properties					
ADDITIONAL FOAM PADDED SURFACES:	Bidder Complies	YES	_NO		

A 1/8" thickness of Volara 2A closed cell foam must be applied to the radius area of the ceiling Heat and Air Conditioning duct work to provide a softer surface while enhancing the thermal properties of the heating and cooling system. The upholstered center section of the side and rear body entrance doors must also include the 1/8" Volara 2A closed cell foam to provide a uniform appearance and a softer surface with an increase in thermal resistance.

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MODULAR BODY INSULATION:	Bidder Complies	YES	NO		
The entire inside surface of the modular body with a minimum of 1.7" (44mm) thick, AU 60 thermal property of this insulation installation voids between the frame members and the extension that the interior surfaces of door panels must be provided with an adhesive material. This material is specifically designed skin aluminum panels and must not be substituted.	O20-2 High Performant is R 9.1. The insulation is R 9.1. The insulation the rear wheel wells are backed composite and for the reduction of	nce Acoust ion must con to the mound the side acoustical so transmitted	ic Thinsulate. The completely fill the dular body and rear entrance sound deadening and sound in single		
MODULAR BODY ENTRANCE DOOR Bidder Complies YESNONO					
MODULAR BODY COMPARTMENT DOOR INSULATION:	Bidder Complies	YES	NO		
All exterior compartment doors must be insulplace insulation material which has an R valubave this material sprayed and bonded to it. It is unacceptable in this exterior door application	e of 6.2. The interior Γhe use of fiberglass α	skin surfa	ce of the door mus	it .	
FLOOR:	Bidder Complies	YES_	NO		

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The floor must consist of 3/4" Expanded PVC Polymer material. This material must have .016 lbs. per cu in density and be impervious to fluid intrusion. An aluminum sub-floor must be installed

between the floor material and the floor frame members.

FRONT BULKHEAD WALL

HEATER/AIR CONDITIONER CABINET:	Bidder Complies	YES	NO			
The Heater/Air Conditioner cabinet must be provided in the upper most area, centered above the cab to body pass-thru. This cabinet must be designed in such a way to allow for quick easy removal of Heater/Air Conditioner unit without the removal of any other equipment. The interior of the cabinet must be designed to allow fresh air intake from the front of the exterior body and exit to a closable vent located under the cabinet platform. The vent allows fresh air from the exterior of the vehicle to shut off in the summer months for maximum air conditioning performance. The lower platform must also allow adequate return air flow to the Heater/Air Conditioner unit. The air return must have a minimum air opening in the cabinet for two 6" by 10" filtered return grills.						
ELECTRICAL DISTRIBUTION CABINET:	Bidder Complies	YES	_NO			
The Electrical Distribution Cabinet must be located on the front left wall of the body. The cabinet must be approximately 12 1/2" wide x 17" deep and run from the floor to the underside platform of the heater/air conditioner cabinet. The cabinet must have a dual removable access panels and a larger main cover, located on the right side of the cabinet. The main cover must be secured with four threaded fasteners. An access panel, within the main cover, must latch in the closed position by two flush mounted locking trigger latches. The size of the access panel must be approximately 11 1/4" wide by 24 3/4" high. A secondary removable access panel, on the front side of the cabinet, separate from the removable access cover, must provide access to the vehicle relays, and be secured with four threaded fasteners. The size of the relay access panel must be approximately 11" wide by 23 1/2" high. All the main wiring harnesses must terminate within this compartment. Cabinet must be provided adequate compartment ventilation. The cabinet cover and all access panels must be covered in heavy duty vinyl to match interior upholstery.						
An LED light must be mounted on the ceiling of the electrical distribution cabinet. The light must have a switch on the flange. In addition, the light comes with a standard connector for easy maintenance.						
FRONT BULKHEAD INTERIOR STORAGE CABINET	Bidder Complies	YES	_NO			
In the front bulkhead area must be a cabinet with (2) 1/2" acrylic doors with a Southco latch. Included are 2 shelves. An LED light must be mounted on the ceiling above the bulkhead storage cabinet. The light must have a switch on the flange.						
COUNTER TOP FRONT BULKHEAD	Bidder Complies	YES	NO			

CABINET:

The counter surface on the front bulkhead cabinet must be covered with a Meganite counter top material. The counter must be permanently bonded and sized to cover the entire surface of the counter area. The counter top must have a 1" built-in lip around the entire perimeter for containment purposes. The edge of the counter top facing inboard must be a 1.5" radius. ABS or other plastic surfaces are not an acceptable substitution.

RIGHT FRONT INTERIOR CABINET (Upper Section)

RIGHT FRONT UPPER COMPARTMENT	Bidder Complies	YES	NO
HINGED DOORS:	-	· · · · · · · · · · · · · · · · · · ·	_

The right front upper inside access cabinet must incorporate double hinged 1/2" tinted acrylic transparent doors. The doors must have hinges that resist motion when moved to prevent doors from swinging freely when the vehicle is moving. The doors must also incorporate (1) Southco Polished Stainless Steel positive type locking latch in each hinged door. The cabinet must extend from the top of the inside outside portion of the right front to the ceiling of the vehicle. Includes (1) adjustable shelf.

RIGHT FRONT LOWER, IN/OUT ACCESS	Bidder Complies	YES	NO
STORAGE COMPARTMENT:	_		

The interior right front storage cabinet of the vehicle must be designed to provide access from both the inside of the vehicle or through the exterior compartment door. The size of the compartment must align with the exterior height and width of the exterior compartment door area above the floor level of the vehicle. The width of the compartment from the inside must extend to the pass thru area to the cab. Approximate dimensions 39 3/4" high by 31 7/8" wide by 19" deep.

RIGHT FRONT CABINET, ADJUSTABLE	Bidder Complies	YES	NO	
SHELVES:	_			

The right front inside/outside compartment must be equipped with three (3) adjustable shelves. The shelves must be fully adjustable within the inside area of the cabinet.

RIGHT FRONT IN/OUT COMPARTMENT Bidder Complies YES____NO___HINGED DOORS:

The right front inside/outside access cabinet must incorporate double hinged 1/2" acrylic transparent doors. The doors must have hinges that resist motion when moved to prevent doors from swinging freely when the vehicle is moving. The doors must also incorporate (1) Southco Polished Stainless Steel positive type locking latch in each hinged door.

RIGHT SIDE SQUAD BENCH

TWO PERSON SQUAD BENCH, CUSTOM INTERIOR RIGHT SIDE LAYOUT, "MEDIC IN MIND":	Bidder Complies	YES	_NO
A custom interior right side layout must be fabricative person squad bench located over the rear whe		e layout m	ast consist of a
SQUAD BENCH, TWO PERSON 2/3 LENGTH:	Bidder Complies	YES	_NO
A two person squad bench must be provided on the approximately 60" long x 19" high x 20" deep. The members of the framework utilizing 7/16" high structure bench must be accessible by lifting the seat cushic laminated with high pressure plastic laminates.	e squad bench must be ength bolts. The stor	e bolted to age area of	reinforced the squad
The bench must have upholstered padded 3" thick approximately 18" wide x 44" long. The lower cust replaced if damaged. The cushions must be held to fasteners, which is permanently attached to the unthe squad bench. The cushion/lid must be held opend hinged at the rear with full length piano hinge installed into reinforced areas within the seat lid p	shion must be remova o the platform with # derside of the cushion en and closed by two s. The mounts for the	ble and eas 8 screw typ 1 and platfo (2) gas spri	ily cleaned or e mechanical rm surface of ing hold opens
SQUAD BENCH BACKREST, 2 PIECE:	Bidder Complies	YES	NO
The right side backrest must be a two piece backress Both sections mounted horizontally, with one dire mounted just below the window. The backrest mumounted so that it can be easily removed.	ctly above the windo	w and the se	econd
RECESSED STORAGE AT HEAD OF BENCH:	Bidder Complies	YES	_NO
Recessed storage must be provided at head of the sintegrated into the head, (forward portion) of the srecessed storage area. The approximate dimension 30"h.	quad bench thus prov	iding a diar	nond plated,
"D" BOTTLE STORAGE AT STEPWELL:	Bidder Complies	YES	_NO
The step well of the vehicle must be modified to e area must provide a storage location for two "D" s	-		ne recessed
RIGHT SIDE FORWARD BELOW	Bidder Complies	YES	NO

COUNTER LEVEL INTERIOR STORAGE:

transit.

TIP-OUT SHARPS CONTAINER:

An interior storage cabinet must be located forward counter level. It must be approximately 15 1/2" v	_		t and below
RIGHT SIDE FORWARD BELOW COUNTER STORAGE DRAWERS:	Bidder Complies	YES	NO
A three (3) drawer storage cabinet must be install- side squad seat facing the seat area. Each drawer have locking Southco latches.			
MEGANITE COUNTER TOP FRONT COUNTER AREA:	Bidder Complies	YES	_NO
The counter surface in the right side front must be Meganite counter top material. The Meganite must the entire surface of the counter area. The counter of the counter top facing inboard must be a 1.5" renot acceptable.	st be permanently bo r top must be a flat st	nded and si	ized to cover face. The edge
SQUAD BENCH LID HOLD DOWN DEVICE:	Bidder Complies	YES	NO
The lid of the squad bench must be equipped with closure device must prevent opening of squad ber must be a stainless steel slam type Trimark paddle squad bench, and incorporate a catch device on the	nch lid in the event of e handle located on th	an acciden e outside s	t. The release
TIP-OUT TRASH BIN:	Bidder Complies	YES	_NO
A Tip-out trash bin must be provided under the so be custom built into the bench, provide a hinged to Stainless Steel latch to access a removable Rubbe door. Trash bin must tip into aisle toward the cent designed to include an aluminum door laminated must be a totally self-contained unit and be sealed.	ip-out door, and flush rmaid plastic trash patter of the vehicle. The to match the interior	n Southco Fail which is e trash bin cabinets. The	Polished mounted to the must be he trash bin

A Tip-out Sharps Container must be provided within the squad bench base cabinet. It must be custom built into the squad bench and provide a hinged tip out door and flush Southco Polished Stainless Steel latch to access a disposable 8 qt. Sharps Container.

Bidder Complies

YES

NO

OVERHEAD STORAGE ABOVE SQUAD BENCH WITH SLIDING DOORS:	Bidder Complies	YES	_NO		
A 10" overhead storage cabinet must be provided bench. The cabinet must have two (2) transparent shelf. The entire lower edge corner must be padd forward portion must incorporate three glove box KKK 43" headroom requirement.	at sliding doors, and colled to prevent sharp of	contain one corners. The	adjustable area in the		
LEFT SIDE ATTENDANT SEAT:	Bidder Complies	YES	NO		
A left side attendant seat must be built into the left wall cabinets. It must incorporate a 24" wide x 20" deep seat area with a cushion which is 21" above the floor, a backrest, and a separate headrest. The seat must be designed for a single seating position. In order to prevent injury during vehicle motion both the forward and rear cabinets that are immediately adjacent to the left side attendant, seat must include full size padded head bumpers with a 1" thick padding. Designs which do not include this padding are unacceptable. All vertical surfaces to the front and rear of the seat cushion must be fully padded and wrap around the top of the counter to provide a full armrest.					
LEFT SIDE ATTENDANT SEAT BACKREST:	Bidder Complies	YES	_NO		
A left side attendant seat must include a full height to the ceiling. The backrest cushion must be appropriately appropriate to the ceiling.		hich extend	ls from the seat		
LEFT SIDE ATTENDANT SEAT, UNDER SEAT STORAGE:	Bidder Complies	YES	_NO		
The underside of the left side attendant seat must allow for full under seat storage. The seat cushion and closed by a single gas spring device. The seat positive stainless steel Trimark paddle latch.	n must be hinged in th	ne rear and l	be held open		
LIFE SUPPORT STATION					
LIFE SUPPORT STATION/SWITCH PANEL:	Bidder Complies	YES	_NO		
The rear Life Support control and switch panel must be mounted to the underside of the upper cabinet. The oxygen outlets must be mounted in the panel to provide use of a ball type flow meter with humidifier bottle attached. The entire panel must be hinged to provide full access of components for servicing. An adequate area must be provided alongside the switches for permanent built-in installation of two-way communications radio.					
SWITCH PANEL COVERING:	Bidder Complies	YES	NO		

The switch	panel must be	covered with	h padded vi	nyl covering	which mat	ches the u	ipholstery in
the vehicle.	The padding	must be 1/8'	thick and g	glued in plac	e prior to the	ne installa	tion of the
custom mad	le stitched vin	yl cover.					

LIFE SUPPORT STATION STORAGE CABINET:	Bidder Complies	YES	_NO
A storage cabinet must be provided at the head portion of the storage cabinet must contain a Cobox. The upper portion must have a small cabin Polished Stainless Steel positive latch.	ompX Model ŴS-ICKI	P-NARC l	ocking narcotics
LIFE SUPPORT STATION UPPER STORAGE CABINET WITH RESTOCKING LIFT-UP DOOR:	Bidder Complies	YES	NO
A storage cabinet must be provided above the L must have a 45 degree angled panel to eliminate Support Station working area. The rear surface surface. The storage cabinet must be provided which is also capable of lifting for full restocking shelf within the cabinet. The door must be held two positive slam latches. The frame must be mand held together with four (4) #10 mechanical construction is unacceptable. The entire lower of MEGANITE COUNTER TOP FRONT COUNTER AREA:	e any obstructive come must be covered with with a full framed sliding access to the cabinet dopen with two gas speade of a custom design fasteners in each corn	ers in the ar a padded hang transpa t and one (rings and had alumin er; glued of prevent s	rea of the Life nead bumper rent cabinet door 1) adjustable neld closed with num extrusion or epoxied charp edges.
The counter surface in the front Life Support St genuine Meganite solid surface counter top mat and sized to cover the entire surface of the counlip around the entire perimeter for containment inboard must be a 1.5" radius. ABS or other pla ALS Three (3) Drawer Storage Unit, Below L/S	erial. The Meganite mater area. The counter of purposes. The edge of stic counter surfaces as	nust be peri top must ha the counte	manently bonded ave a 1" built-in or top facing
LEFT SIDE BELOW COUNTER STORAGE DRAWERS:	Bidder Complies	YES	NO
A three (3) drawer storage cabinet must be insta side attendant seat. Each drawer must be lined Southco latches.			
LEFT REAR INTERIOR CABINET UPPER WITH RESTOCKING LIFT-UP	Bidder Complies	YES	NO

DOOR:

A storage cabinet must be provided in the upper left rear corner of the body. The cabinet must have sliding transparent doors and one (1) adjustable shelf. The interior cabinet must be provided with a full framed sliding transparent cabinet door which is also capable of lifting for full restocking access to the cabinet. The door must be held open with two gas springs and held closed with two positive slam latches. The frame must be made of a custom designed aluminum extrusion and held together with four (4) #10 mechanical fasteners in each corner; glued or epoxied construction is unacceptable. The entire lower edge corner must be padded to prevent sharp corners.

MEGANITE COUNTER TOP REAR **Bidder Complies** YES NO **COUNTER AREA:** The counter surface in the rear counter area must be covered with "Silver Mist" colored, genuine Meganite counter top material. The Meganite must be permanently bonded and sized to cover the entire surface of the counter area. The counter top must have a 1" built-in lip around the entire perimeter for containment purposes. The edge of the counter top facing inboard must be a 1.5" radius. ABS or other plastic surfaces are not an acceptable substitution. **TIP-OUT SHARPS CONTAINER: Bidder Complies** NO YES A Tip-out Sharps Container must be provided below the counter level rearward of the left side attendant seat. It must be custom built into the cabinet and provide a hinged tip out door and Southco Polished Stainless Steel latch to access an 8 qt. disposable Sharps Container. Right Rear In/out to Compartment "E" **RIGHT REAR INTERIOR CABINET: Bidder Complies** YES NO Inside access must be provided to right side rear exterior compartment "E". A 1/2" hinged acrylic door with polished stainless steel Southco latch must be provided. **CLEAR TRANSPARENT DOORS: Bidder Complies** YES NO All transparent doors where specified in this specification must have clear 1/4" Lexan sliding doors. All sliding doors must be installed in double, anodized aluminum tracks with Standard Products rubber flocked inserts to prevent movement and inadvertent sliding. Hinged transparent

FULL LENGTH HANDLES ON TRANSPARENT DOORS:

locking Southco positive closure latches.

Bidder Complies YES____NO___

All sliding doors must have anodized aluminum full length pull handles installed on the leading outside edge of the door. An anodized trim must be installed on the edge of the following side of

doors when specified will be provided as 1/2" clear Acrylic and must include a stainless steel

the door for a finished appearance. The use of unacceptable.	finger holes or screw	on cabinet	handles is		
POSITIVE CLOSURE DEVICES ON HINGED DOORS:	Bidder Complies	YES	_NO		
All hinged doors must be equipped with a possteel Southco slam latch. Magnet or roller typ application. The use of positive latching types when in motion. Unistrut, interior cabinet shelves, "Mini"	e catches are unaccep	table hardw	are for this		
UNISTRUT SHELVING STANDARDS, INTERIOR CABINET SHELVES:	Bidder Complies	YES	_NO		
The interior cabinets of the vehicle must be prestandards must be aluminum with the approximust be securely fastened to the interior of the	mate dimensions of 3	/8" by 1" w	de. The Unistrut		
INTERIOR ENTRANCE DOORS	Bidder Complies	YES	NO		
All entrance door panels must be mounted with machine screw threaded fasteners which are installed with thread locking, Loc-Tite material.					
INTERIOR ENTRANCE DOOR PANELS:	Bidder Complies	YES	_NO		
The inside surface of the right side and rear er upper must be an aluminum panel covered with the interior cabinets. The center area which co section and the lower panel must be a single pa wear surface. The panels must be held in placemovable for servicing of door hardware.	th high pressure plast overs the door hardwa iece of polished alum	ic laminates re must be a inum diamo	which matches a padded vinyl and plate, to act as		
SIDE ENTRANCE DOOR HEAD BUMPER:	Bidder Complies	YES	NO		
A cushioned, matching vinyl covered "bump printerior of the side entrance door area. It must contact protection.					
REAR ENTRANCE DOOR HEAD	Bidder Complies	YES	NO		

A cushioned, matching vinyl covered "bump protection" head bumper must be mounted in the interior above the Rear entrance doors. It must be designed to provide both onward and upward contact protection.

contact protection.	must be designed to prov	ide boin c	niwaid and upwaid				
INTERIOR GRAB RAILS							
GRAB RAIL RETENTION:	Bidder Complies	YES	NO				
All ceiling grab rails installed in the ambulance must meet the requirements of the A.M.D grab rail retention test. Test documentation must be provided upon request.							
72" CEILING GRAB RAIL, OVER SQUAD BENCH:	Bidder Complies	YES	NO				
A satin finish stainless steel grab rail mus must be 72" long x 1 1/4" in diameter wit radiused ends to eliminate a head injury h welded construction is unacceptable. The members of the ceiling framework. Grab rail, 72", s/steel, over cot	h welded stanchions ever nazard. The use of grab ra	y 24". It n	nust have fully do not have fully				
72" CEILING GRAB RAIL OVER COT:	Bidder Complies	YES	NO				
A satin finish stainless steel grab rail must be installed in the ceiling over the cot. It must be 72" long x 1 1/4" in diameter with welded stanchions every 24". It must have fully radiused ends to eliminate a head injury hazard. The use of grab rails which do not have fully welded construction is unacceptable. The grab rail must be bolted directly to the structure members of the ceiling frame work.							
18" STAINLESS STEEL GRAB HANDLE:	Bidder Complies	YES	NO				
One (1) "L" shaped satin finish stainless s bench cabinet. The grab rail will be moun 1 1/4" diameter tube and have radiused er	nted facing the step area. I	Each must	be fabricated from				
18" STAINLESS STEEL GRAB HANDLES NEAR REAR DOORS:	Bidder Complies	YES	NO				
One (1) 18" satin finish stainless steel gra rear entrance door. Each must be fabricate which match the over-head grab rail.							

12" STAINLESS STEEL GRAB

Bidder Complies

YES____NO___

HANDLES ON REAR DOORS:

One (1) 12" satin finish stainless steel grab has entrance door. Each must be fabricated from match the over-head grab rail.					
SIDE ENTRANCE DOOR GRAB RAIL, 45 DEGREE:	Bidder Complies	YES	_NO		
The side entrance door must be equipped with extends from under the door window in the hourside corner of the door. The grab rail must 1/4" diameter tube with fully welded construct the structural members with the door with the	orizontal plane and the too fabricated from setion. The grab handle	en diagonall atin finish st e must be bo	ly to the lower tainless steel 1		
SEAT BELTS					
SEAT BELTS, SQUAD BENCH:	Bidder Complies	YES	_NO		
Two (2) sets of lap seat belts must be installed for persons seated on the squad bench. All seat belts must have enclosed male automatic locking retractors with push button releases and fixed female buckles. All seat belts and seat belt mounts must be tested to F.M.V.S.S. 210 and Federal Specifications KKK-A-1822. Documentation must be available upon request.					
SEAT BELT, REAR FACING ATTENDANT SEAT:	Bidder Complies	YES	_NO		
One (1) lap seat belt must be installed at the reenclosed male automatic locking retractor wit The seat belt and seat belt mount must be test KKK-A-1822. Documentation must be available.	h a push button relea ed to F.M.V.S.S. 210	se and a fixe	d female buckle.		
SEAT BELT, LEFT SIDE ATTENDANT SEAT:	Bidder Complies	YES	_NO		
One (1) Seat belt must be installed at the left senclosed male automatic locking retractor with The seat belt and seat belt mount must be tested KKK-A-1822. Documentation must be available.	h a push button relea ed to F.M.V.S.S. 210	se and a fixe	d female buckle.		
MOUNTING OF STRYKER POWER LOAD SYSTEM	Bidder Complies	YES	_NO		
A Stryker Power Load Stretcher Mount will b	e supplied and install	ed by the ma	anufacturer.		
RECESSED DUAL IV HOLDER, OVER COT:	Bidder Complies	YES	NO		

One (1) Cast Products Rubber "Recessed" do cot. The holder must be bolted to reinforcing Velcro strap for securing IV during transport	g plates located within		•
RECESSED DUAL IV HOLDER, OVER SQUAD BENCH:	R Bidder Complies	YES	NO
One (1) Cast Products Rubber "Recessed" do squad bench. The holder must be bolted to re include a Velcro strap for securing IV during	einforcing plates locate		_
RECESSED DUAL IV HOLDER, RACEWAY:	Bidder Complies	YES	NO
One (1) Cast Products Rubber "Recessed" do raceway near the foot end of the stretcher. To located within the ceiling and include a Velo	he holder must be bolt	ed to reinfo	orcing plates
INTERIOR SURFACE FINISHES AND	COLORS		
CEILING PANEL:	Bidder Complies	YES	NO
The ceiling panel of the ambulance must be subpanel. The entire assembly must be boltopanel must be the fire retardant grade. All cornails) mounted to the ceiling must be mount no circumstances must anything be mounted attached to the vehicle framework without the	ed directly to the ceiling omponents (Including led to the structural fra to the ceiling panel or	ig structura Lights, IV me work only. The co	ll framework. The Holders and Grab f the ceiling. Unde
INTERIOR COLORS:	Bidder Complies	YES	NO
The interior color of the upper laminated cal The interior color of the lower laminated cal			
HEAD BUMPERS:	Bidder Complies	YES	NO
Vinyl padded head bumpers must be installe located at the rear door, one (1) at the side do padding must be provided around the cabine	oor and one (1) at the	cab to body	door. Full
HEAVY DUTY UPHOLSTERY, SEAMLESS:	Bidder Complies	YES	NO

All upholstery used in the vehicle must be a H All upholstery must be seamless flat upholster corners. All material must meet the requirement	y utilizing minimal st	itching on	the outside
ATTENDANT SEAT, EVS WITH 3 POINT HARNESS, ABS BACK, SWIVEL, SEWN VINYL, BLUE:	Bidder Complies	YES	NO
The vehicle must be provided with an EVS brather The seat must include a three point harness, A model SB-8 swivel base. Seat must have forw positions. All seats and seat installations must It must be covered in sewn blue upholstery to	BS seat back and be reard and back adjustment to tested and certified	nounted onent, and so	n an EVS brand, wivel to eight FMVSS standards.
INTERIOR FLOORING FINISH:	Bidder Complies	YES	NO
Commercial Quality LONSEAL Mfg Loncoin applied over a prepared Polymer floor surface, bubbles in the flooring surface. Color must be	, with all seams filler		
ROLL-UP FLOORING 3":	Bidder Complies	YES	NO
ROLL-UP FLOORING 3": The flooring on both the left side wall and rig roll-up section of the vinyl flooring material. I anodized aluminum trim. The trim must be se a tapered top surface to prevent accumulation be designed in such a way to prevent infiltration the possibility of foreign liquid material from cannot be disinfected.	Bidder Complies the side squad bench in the flooring material in the cured in place with most dirt and foreign material in the trim. The complete is the complete in the strim in the strim.	nust incorp must be finechanical aterial. The	porate a three inch nished with an fasteners and have be underside must ired to eliminate
The flooring on both the left side wall and rig roll-up section of the vinyl flooring material. It anodized aluminum trim. The trim must be se a tapered top surface to prevent accumulation be designed in such a way to prevent infiltration the possibility of foreign liquid material from	Bidder Complies the side squad bench in the flooring material in the cured in place with most dirt and foreign material in the trim. The complete is the complete in the strim in the strim.	nust incorp must be finechanical aterial. The	porate a three inch nished with an fasteners and have be underside must ired to eliminate
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Bidder Complies YES____NO____

CUT & MOUNT (2) RADIOS IN

CONSOLE:

The ambulance manufacturer must provide two (2) custom fit cutouts and mounting of the customer supplied Radio heads, in the Radio /Siren Cab Console, including the required mounting brackets for customer supplied radio components. This must not include any routing of wiring or technical installation of radio equipment.

MAP BOX:	Bidder Complies	YES	NO
A map box must be fabricated and installed by and laminated to match the interior cabinets it two 3/16" removable lexan dividers, which dividers	n the ambulance. The	map box r	nust also include
"FASTEN SEAT BELT" AND "NO SMOKING" SIGNS:	Bidder Complies	YES	NO
Two (2) large face "No Smoking" signs and opatient compartment of the ambulance.	one (1) Fasten Seat Bel	t sign mus	t be installed in the
OXYGEN AND ASPIRATION SYSTEMS	\$		
OXYGEN SYSTEM:	Bidder Complies	YES	NO
The Oxygen delivery system must consist of Oxygen Cylinder. The oxygen line from the cleaned, high pressure electrically conductive and hardware used must be Medical Oxygen All oxygen hose must be encased in high temphysical damage. All fittings must be compleremoval of any cabinets or wall panels. The and labeled per the requirements of Federal S cylinder must be accessible through a transpavalve and to visually monitor the tank pressurair systems in the vehicle must be compatible	cylinder to the distribute, "Green" hose with swap Quality and cleaned for perature protective locately accessible for serentire system must be impecifications KKK-Arent door for manual or on the regulator gauge.	tion outlet vaged fitting r oxygen used to avoid wice or installed, in 1822. The m/off contrige. The ox	s must be oxygen ags. All fittings ase. I chafing and pection without the aspected, tested coxygen storage and of the main axygen, vacuum and
DUAL OXYGEN OUTLET:	Bidder Complies	YES	NO
One (1) Amico AMIZTH0202 dual oxygen o Station panel. The distance from the primary 35" per the requirements of KKK-A-1822.			
SINGLE OXYGEN OUTLET RIGHT SIDE WALL:	Bidder Complies	YES	NO
One (1) single Amico AMIZTH0101 oxygen	outlet must be provide	ed on the ri	ght side of the

ambulance in the right side wall above the squad backrest, below the overhead cabinet (if present) the outlet must be built in flush and not protrude more than 1" beyond the wall.

CEILING MOUNTED OXYGEN OUTLET, REAR:	Bidder Complies	YES	_NO
An Amico AMIZTH0101 oxygen outlet must rear doors 6" off the rear head bumper. The ox control center wire raceway and not protrude not protrude in the control center wire raceway and not protrude in the control center wire rac	atlet must be near flus	sh in the duc	ted climate
OXYGEN SHUT OFF SOLENOID:	Bidder Complies	YES	_NO
An Amico AMIZTH0120 electric powered oxymounted on the output of the oxygen bottle regat the rear Life Support Panel. The solenoid mequipped with a manual override valve (in the valve). An electrical rectifier must be installed entering the electrical system.	gulator. It must be consust be approved for needed to be approved for needed to be approved for needed to be approved to be ap	ntrolled by a nedical oxy enoid may fa	a switch located gen use and be ail to open the
ELECTRIC SUCTION/ASPIRATION SYSTEM:	Bidder Complies	YES	_NO
The vehicle must be equipped with a permaner system must be equipped with a high volume all states, with a 30 liter per minute flow rate. controlled circuit and switch, on the Life Supp an enclosed compartment using rubber isolator use. The pump must be connected to an onboa counter near the primary patient. The connect loomed to prevent chafing. The entire system 1822. Test Documentation must be available u all fittings and lines must be accessible for inspecialises or walls.	Thomas electric suction. The pump must be accord switch panel. The rest to minimize any not and collection bottle point hose must be fiber must be tested and management. As with	on pump ceretivated from pump must ise and vibrermanently reinforced eet the criter the oxygen	tified for use in a relay to be mounted in ation when in attached to the medical hose and ria of KKK-A-delivery system
SSCOR DISPOSABLE COLLECTION SYSTEM:	Bidder Complies	YES	_NO
On Board suction must be provided with a SSC SSCOR wall mounted white faced, regulator a stainless steel bracket mounted on wall per cus to be 11" to the bottom of the bracke	nd disposable Bemis	collection b	ottle mounted in
VACUUM OUTLET:	Bidder Complies	YES	_NO
One (1) Amico AMIZTH01035 vacuum outlet within the Life Support panel.	with adapter must be	provided a	nd flush mounted

Bidder Complies

YES____

NO____

OXYGEN PRESSURE GAUGE, TANK

PRESSURE:

An oxygen pressure gauge; 2" analog dial for tank pressure must be installed in the Life Support Station area of the vehicle. The gauge must be full scale type for Medical oxygen use. It must be connected to the main oxygen cylinder with a high pressure (3,000 PSI working pressure) Parflex flexible line with high pressure fittings. (Braided stainless steel is not acceptable). The actual location of the gauge must be determined by the selection of the upper storage cabinet.

	ř	11	8	
OXYGEN BOTTLE MOUNT, UNIVERSAL MOUNT:	Bidder Complies	YES	NO	
The vehicle must be equipped with a mount for compartment "A". The mount must be an appretention system for an "M" or "H" size bottle. two Uni-Strut tracks welded to the vehicle framework tested to the requirements of AMD-003; oxygemust be provided upon request. The use of mounacceptable.	roved Ziamatic Mode The mounting brack nework. The entire nework retention systems	of QR-MV, tet must be nounting sy tem. Test D	oxygen bottle securely bolted ystem must be occumentation	to
LARGE TANK OXYGEN	Bidder Complies	YES	NO	
REGULATOR:				
One (1) Model #12-001540 (aka 1633-2), large and installed.	e tank oxygen bottle r	egulator m	nust be provided	
OXYGEN CYLINDER WRENCH:	Bidder Complies	YES	NO	
An oxygen cylinder wrench must be permanen compartment in a custom wrench holder. Then the wrench and the compartment, designed to provide the provide	e must be a permaner	nt lanyard		th
ELECTRICAL SYSTEMS				

Manufacturer will warranty to original purchaser that the supplied electrical equipment as listed below are sound and free of all defects of both materials and workmanship, for the life of the vehicle or 100,000 miles whichever occurs first. This electrical equipment includes body door post switches, all wire terminals and crimps, main vehicle wiring harness and battery harness cables, relays, switches, automatic/manual reset circuit breakers, voltmeter, ammeter, battery disconnect switches, solenoids, all terminal strips, manufacturer installed electrical connections and power distribution panel. Warranty transferable subject to inspection by manufacturer. Bidder must include statement of warranty policy with bid.

Bidder Complies

NO

YES

LIFETIME ELECTRICAL SYSTEM

WARRANTY

ELECTRICAL 12 VOL	ET.	2 VOLT:	
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Bidder Complies YES NO

The entire 12 volt Electrical System must comply with the recommended standards and practices per FMVSS, Federal Specifications KKK-A-1822 & SAE where applicable.

Electrical system provided by the ambulance Manufacturer must have 100,000 mile Electrical Warranty.

The entire 12 volt DC Electrical System must incorporate GXL High Temperature Copper wire. Each wire must be color coded with function imprinted every four inches for immediate identification. All exposed wiring must be covered with Packard Flec or equal, black with gray stripe, convoluted loom with minimum of 300 degree F. Temperature rating. Loom with a lower temperature rating is cause for rejection. Large Heyco type or rubber insulators must be used where wires pass through sheet metal or structural members. All circuits must be protected with circuit breakers suitable to the circuit demand. Any wire carrying a load to an appliance in the 12 volt Electrical System must be 16 gauge wire minimum.

Electrical System must consist of five main wiring harnesses which terminate at the Electrical Distribution Panel. Distribution Panel must be centrally located with connections resulting through 45 pin Connectors. Harnesses must include:

- (1) Rear body, referred to as Harness #1 (standards: dome, fluorescent, floods, vent, compt. lights/ switches)
- (1) Rear body, referred to as Harness #2 (flashing lights, air compressors, cancel switches, options)
- (1) Rear switch panel, referred to as Harness #3
- (1) Front console, referred to as Harness #4
- (1) Cab/ chassis/ under-hood, referred to as Harness #6

All Electrical components must be mounted using a "plug in" type assembly which affords speedy replacement of failed components. The entire unit must be housed in a readily accessible maintenance cabinet built into front wall of the personnel compartment. Attached to inside of door must be complete documentation of 12 volt Electrical System. The use of exterior compartment mounted electrical distribution panel is unacceptable. The main power distribution panel must consist of a plug-in modular system which includes locations for 42 plug-in circuit breakers and 60 plug-in relays, as standard equipment. This type of system is utilized to have standard circuit configuration while remaining totally flexible for custom circuits when required. All circuits must consist of plug-in relays and plug-in circuit breakers only. The use of diodes, rectifiers, heat sinks, or other than automotive type relays is unacceptable.

CIRCUIT BREAKERS:	Bidder Complies	YES	NO		
All circuit breakers 30 amp or less, must be plug in Manual and or Auto Reset type. All circuit which require greater capacity must utilize a Cooper Electric or equal 40 or 50 amp "MAXI-AMP" manual or auto reset circuit breaker, dependent on electrical application.					
RELAYS:	Bidder Complies	YES	NO		

Devices being switched with loads in excess of one (1) amp (12 watt) must be accomplished through Potter & Brumfield or equal, 40 amp SPDT 12 volt automotive relay switching devices. All relays used in the panel must be of the same type to insure complete compatibility and ease of re-placement. Relays must be controlled through a ground signal from all switches, including door post switches. All relays must be plugged into the modular panel assembly including the 70 amp power relays where required. All relay circuits utilizing the SPDT relays and SPST 70 amp relay must include internal suppression to eliminate voltage spikes in the electrical system.

amp power relays where required. All relay or relay must include internal suppression to elim			
GROUNDING:	Bidder Complies	YES	NO
All Modular Bodies must be grounded to the copper grounding straps Circular copper cond ground straps meet requirements of both KKK	uctors (battery cables	s) must not b	e used. These
Each appliance (i.e. lights, fans) must be groul location or by a ground harness as required. If and be minimized in length. Each ground attain machine screws with star washers or ring term at all times.	The ground must be eached directly to the v	quivalent to ehicle struct	its feed wire size ture must use
All Body harnesses must be contained within exterior of the body. Under hood harness must loom. All connections exposed to the element "waterproof" heat shrink connections. This ty duty battery cables. All battery cables, both p fully soldered prior to addition of waterproof in heat shrink and battery connections not sold must include three (3) spare relays and spares mounted within the Electrical Distribution Par	st be protected within ts, or under hood, mu- rpe of connection mus- ositive and ground man heat shrink tubing. A dered must be rejected of the correct size cir	high temper st be made verst also be used sust be mach any exposed d. All Electron	rature convoluted within ed on all heavy ine crimped and connections not rical Systems
12V - 110 VOLT CIRCUIT SCHEMATIC DOCUMENTATION:	Bidder Complies	YES	NO
All harnesses, relays, circuit breaker terminal individual 8 1/2 x 11 size drawings. Each ind troubleshooting. A single drawing overall schebe designed for each vehicle. Generic or simi schematics must include only what circuits are	ividual circuit must b ematic is unacceptabl lar drawings are caus	e on (1) drav e. All electr e for rejection	wing, for ease of rical systems must on of vehicle. All
ELECTRICAL ANALYSIS:	Bidder Complies	YES	.NO

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

DOOR POST SWITCHES ENTRANCE AND COMPARTMENT DOORS:	Bidder Complies	YES	_NO
Sealed door post switches must be installed in must be sealed from the elements to prevent in switches must be warranted for lifetime of vergrounds of relays only. Under no circumstant milliamp of electrical current.	noisture damage and thicle. All door post s	to prolong s witches mu	service life. The st activate the
IGNITION ACTIVATED, MODULE DISCONNECT:	Bidder Complies	YES	NO
A high current disconnect device must be instead power all ambulance vehicle conversion and a activated by the chassis ignition signal, and makes when the chassis ignition switch is turned off.	modular body function ust have a 5 minute of	ns. The de	vice must be
WATERPROOF DEUTSCH TYPE CONNECTORS:	Bidder Complies	YES	_NO
Electrical connectors used on added circuits of chassis fenders must be high quality, waterproareas are unacceptable. Sockets and pins must unacceptable.	oof Deutsch type. Uns	sealed conn	ectors in these
VOLTMETER:	Bidder Complies	YES	_NO
An analog type voltmeter must be installed we circuit breaker protected. The use of digital we read at a glance. The voltmeter must be tied to allow a constant reading on the voltmeter we	oltmeters is unaccept to the battery side of t	able due to he master d	its difficulty to
LOW VOLTAGE ALARM:	Bidder Complies	YES	_NO
A Low Voltage System with a dual indicator console. The Green indicates voltage system system voltage drops below 11.8 volts for mo At that time an audible alarm will sound. The momentary silence the alarm. The red light w indicator until the system returns to 12.8 volts.	is above 11.8 volts. The than 2 minutes and alarm will be provide ill remain on both the	The Red mu I vehicle ne ed with a ca	st indicate when eds to reduce load ncel switch to
SWITCHES:	Bidder Complies	YES	NO

All switches must be 12 volt two (2) or (3) position heavy duty Carling Contura X, Full size, Euro-Look Rocker switches, with a black matte finish. Small rocker switches or push style

switches are not acceptable substitution. Each switch must have an integral pilot light which must activate in the "On" position, including the Horn/Siren switch. The only switches that must not have a pilot light are momentary switches, where they are not available. No switch must carry more than one (1) Amp of power, (12 watts). For ease of service and supporting a lifetime electrical warranty, all switches must have a plug in connector on the bottom of the switch contacts.

All switches must be mounted in a sustain designed one piece panel for each vehicle. The 0

switch panel must be backlit Light Emitting Die The switch panels must be finished in a black matte black Lexan inserts with translucent letter the surface of the panel must have a look of a h legends which appear to be an added on feature exception is allowed. All switch circuits must be	ode lighting behind the natte finish. All custoring to designate each omogeneous surface on Due to the superior	ne individuom legends function. without the backlighti	al switch legends. must be made of When complete, e need for white ing of the LED, no
BATTERY "ON" INDICATOR:	Bidder Complies	YES	NO
A Master battery "On" indicator must be install indicator must be a minimum of 1/2" in diamete to the system.			
DOOR OPEN INDICATOR LIGHT:	Bidder Complies	YES	NO
A Red indicator light must be installed in the drawn door is ajar. The light will activate whenever that an entrance door is opened. The indicator open indicator must be relay controlled and the	ne master battery disc must be a minimum o	onnect swif 1/2" in d	itch is activated iameter. The door
COMPARTMENT OPEN INDICATOR LIGHT:	Bidder Complies	YES	NO
An Amber indicator light must be installed in the compartment door is ajar. The light will activate is activated and a compartment door is opened. diameter. The compartment open indicators must activate the relay.	te whenever the mast The indicator must b	er battery on the period of the second of th	disconnect switch num of 1/2" in
AUDIBLE DOOR/COMPARTMENT OPEN ALARM:	Bidder Complies	YES	NO
A high decibel, electronic beeper alarm must be door or compartment door is opened. The alarm drive or reverse and be independent of the door console. The warning lights must activate anyt	n must sound only wl open/compartment o	nen the vel pen warnii	nicle is placed in ng lights in the
PARKING BRAKE ALARM AND	Bidder Complies	YES	NO

INDICATOR:

The vehicle must be equipped with a Dual-Mode alarm that will sound when the vehicles shift lever is in Neutral and the Parking Brake is not applied. Secondly the alarm will sound when the vehicle gear selector is in reverse or a forward drive gear and the Parking Brake is applied. The alarm must include an indicator light in the drivers console and an audible alarm that will sound when the condition exists when the vehicle is in the run mode and when the emergency sequencer switch is on.

sequencer switch is on.				
ELECTRONIC THROTTLE:	Bidder Complies	YES	NO	
The OEM Chassis must be equipped with an eledesigned for use with this emergency vehicle. Conditions: Parking brake set, engine running, a whenever vehicle is in a transmission drive post or accelerator pedal is depressed.	The throttle must actind nd vehicle in park. T	vate under he throttle	the following must not activate	
BACK-UP ALARM WITH DISABLE SWITCH:	Bidder Complies	YES	NO	
An ECCO 610N with 97 dB rating backup alarm vehicle. The backup alarm must have encapsular connections must be water tight. The back-up a shifted into reverse gear. A relay controlled modrivers console to disable the backup alarm who designed to allow the alarm to be reset automatic is placed in reverse. On-Off type switch is not a	ated electronics and rated must be activated mentary cancel switch it may not be required and function the	to exposed d any time the must be red. The contract of the con	terminals- all the vehicle is installed in the circuitry must be	
UNITY SPOTLIGHT, WITH (UNMOUNTED) BRACKET:	Bidder Complies	YES	NO	
A hard wired Unity Handheld Spotlight must be bulb with a momentary "ON" switch located on bracket must be fabricated to hold the light whe to protect the bulb surface and light from vibrat customer to mount. Lights installed with hooks	the handle. A custon not in use. The braion. The bracket mus	n designed cket must t be suppli	l aluminum be plastic dipped ed for the	
LOAD MANAGER/ SEQUENCER:	Bidder Complies	YES	NO	
A combination Load Manager/Sequencer must	be installed in the dri	ver's cons	ole. The Load	

A combination Load Manager/Sequencer must be installed in the driver's console. The Load Manager must automatically shed load to maintain balance between alternator output and draw, by turning predetermined functions to the off position. The Load Manager must include an override emergency bypass switch in the main electrical panel. The sequencer function turns the emergency lighting on, one at a time in a predetermined order, and turns them off in reverse order.

AIR HORN ACTIVATION SWITCH:	Bidder Complies	YES	NO
The air horn electric solenoid must be activated located in the driver's console of the cab. Only Mechanical Air Valve is unacceptable			
ENTRANCE DOOR POWER DOOR LOCK SWITCHES:	Bidder Complies	YES	NO
The power door lock mechanisms must be cont	rolled by the OEM do	oor switche	es.
REMOTE KEYLESS ENTRY:	Bidder Complies	YES	NO
The power door lock switch located on the driv to activate the power lock/unlock function of the compartment doors when power feature is spec of the master disconnect switch and function w	ne ambulance body en ified). The switch m	trance doc	ors (and
In addition to the cab door control of the power be installed. The system must lock and unlock			
The vehicle must be delivered with two remote with the vehicle. The remote device must be cavehicle.	keyless entry devices	and progr	ammed to operate
POWER DOOR LOCKS OVERRIDE SWITCH:	Bidder Complies	YES	NO
A concealed emergency override switch must be	e provided and locate	d behind t	he grille.
EMERGENCY WARNING SYSTEMS			
HEADLIGHT FLASHER:	Bidder Complies	YES	NO
A Sound Off, Inc., headlight flasher must be inclights. The unit must be hermetically sealed so switch in the driver's console. The circuit must per manufacturer's recommendations and must must be disabled when the headlight switch is o "Powerpulse", fast wig-wag pattern, flashing at	lid state unit controlled be relay controlled. not affect the vehicle on. The headlight flash	ed by a sing The unit mand solutions in the single	gle pole lighted nust be installed system. The unit
LIGHTED HORN/SIREN SWITCH:	Bidder Complies	YES	NO
A switch must be installed in the drivers consol the vehicle Horn or Horn ring activation of the and control a SPST relay located within the ele-	Siren. The switch mu	ist have a l	ighted indicator

circuit is required to eliminate any potential volthe OEM Horns.	tage drop problems d	ue to high a	mperage draw of
ELECTRONIC SIREN, WHELEN 295HFSC9, DUAL-TONE:	Bidder Complies	YES	_NO
A Whelen Engineering Company Model 295HF microphone must be provided and installed flus standard siren tones, radio repeat, public addres dual or mono modes. The siren must be backlit microphone. Siren must be a remote siren ampl driver about a potential problem with the siren.	h in the driver's consons, wail, yelp, and air lefor night operation as	ole. The sire norn. The sin nd include a	en must include ren operates in removable
THRU- BUMPER MOUNTED SPEAKER SYSTEM:	Bidder Complies	YES	_NO
The front bumper of the vehicle must be equipp #4318 speaker assemblies. The speakers must be the chrome bumper to be cut or modified. The efficiency 100 watt speaker drivers.	be mounted in the from	nt bumper a	nd not require
FLASHING LIGHTS, GRILL:	Bidder Complies	YES	_NO
Two (2) lights must be placed in the grille of the located in the lower portion of the grille area, see Whelen M9 LED, Red with a Clear lens cover.	_	_	_
A PowerArc model M90SM-Wc light is to be significant to be switched to come on with the fit LED FLASHING WARNING LIGHTS, INTERSECTION:	cont random flashers ((F2, F3, F5,	and F6).
The front fender of the vehicle must be equippe on each side, as far forward as possible. All ligh chrome housing, designed for this fixture. Cast must be Whelen M7 Super LED, Red with a Cle	hts must include integ aluminum housings a	grated metal:	ized flange
WHELEN DIRECTIONAL, AMBER ARROW LIGHTS, FRONT:	Bidder Complies	YES	_NO
The vehicle must be equipped with Whelen M9 clear lenses. The vehicle must include (2) Light front body. All lights must include metalized fl	nt assemblies located	on the upper	area of the
INDEPENDENT FLASH w/ ALTERNATING FLASHER –	Bidder Complies	YES	NO

PRIMARY/SECONDARY:

An Electronic Flasher must be installed to power primary LED flashing lights. The flasher must have (2) alternating outputs. The circuit must be powered by an independent 50 Amp rated auto reset circuit breaker and the flasher must contain internal short circuit protection. All Body and cab warning light internal flash patterns will be programmed to the pattern specified further in this document. The Flashing lights must be considered compliant with KKK recognized alternate flash patterns. Primary is all warning lights on, secondary mode will shut down all lower level lights (beltline and below).

All upper module lights are to flash in the KKK pattern, except for the F2,F3,F5, and F6 lights, they can flash randomly. The rear lights at window level are to flash in a rapid "X" pattern, independent of the KKK flasher.

WHELEN M9 SERIES LIGHT, FLANGES:	Bidder Complies	YES	NO	_
All Whelen M9 vehicle lights must be equipped	oed with a Whelen M9	FC Chron	ne flange.	
WHELEN SUPER-LED FLASHING WARNING LIGHT, FRONT, UPPER LEFT:	Bidder Complies	YES_	NO	-
The webiele most be envised with a William				

The vehicle must be equipped with a Whelen M9 Series Super-LED warning light. The vehicle must include one (1) light assembly on the front, upper left portion of the body. All lights must include metalized flange chrome housing, designed for this fixture. The Light must be Red with a clear lens cover.

WHELEN SUPER-LED FLASHING
WARNING LIGHT, FRONT, UPPER
LEFT:

Bidder Complies YES____NO____

The vehicle must be equipped with a Whelen M9 Series Super-LED warning light. The vehicle must include one (1) light assembly on the front, upper left portion of the body, and located inboard of the outermost flashing light. All lights must include metalized flange chrome housing, designed for this fixture. The Light must be a vertical split light, Red/ White with a clear lens cover.

WHELEN SUPER-LED FLASHING
WARNING LIGHT, FRONT, UPPER
LEFT:

Bidder Complies YES____NO____

The vehicle must be equipped with a Whelen M9 Series Super-LED warning light. The vehicle must include one (1) light assembly on the front, upper left portion of the body, located just outboard of the center flashing light. All lights must include metalized flange chrome housing, designed for this fixture. The Light must be Red with a clear lens cover.

WHELEN SUPER-LED FLASHING WARNING LIGHT, FRONT, UPPER LEFT:	Bidder Complies	YES	NO
The vehicle must be equipped with a Whelen Must include one (1) light assembly on the from include metalized flange chrome housing, designith a clear lens cover.	it, upper center of the	body. All	lights must
WHELEN SUPER-LED FLASHING WARNING LIGHT, FRONT, UPPER LEFT:	Bidder Complies	YES	_NO
The vehicle must be equipped with a Whelen M must include one (1) light assembly on the from outboard of the center flashing light. All lights designed for this fixture. The Light must be Re	nt, upper right portion must include metalize	of the body ed flange cl	y, located just
WHELEN SUPER-LED FLASHING	Bidder Complies	YES	NO
WARNING LIGHT, FRONT, UPPER LEFT:			
The vehicle must be equipped with a Whelen Must include one (1) light assembly on the from of the outermost flashing light. All lights must designed for this fixture. The Light must be a hoover.	nt, upper right portion include metalized flar	of the body	y, located inboard housing,
must include one (1) light assembly on the from of the outermost flashing light. All lights must designed for this fixture. The Light must be a h	nt, upper right portion include metalized flar	of the body	y, located inboard housing,
must include one (1) light assembly on the from of the outermost flashing light. All lights must designed for this fixture. The Light must be a hocover. WHELEN SUPER-LED FLASHING WARNING LIGHT, FRONT, UPPER	nt, upper right portion include metalized flan forizontal split light, F Bidder Complies M9 Series Super-LED at, upper right portion	of the body nge chrome Red/White v YES warning lig of the body	y, located inboard to housing, with a clear lens NO ght. The vehicle y. All lights must

The vehicle must be equipped with a Whelen M9 Series Super-LED warning light. The vehicle must include one (1) light assembly on the left side, upper left, forward portion of the body. All lights must include metalized flange chrome housing, designed for this fixture. The Light must be Red with a clear lens cover.

WARNING LIGHT, UPPER LEFT SIDE,

FORWARD:

WHELEN SUPER-LED FLASHING WARNING LIGHT, UPPER LEFT SIDE, AFT:	Bidder Complies	YES	_NO
The vehicle must be equipped with a Whelen M must include one (1) light assembly on the left sinclude metalized flange chrome housing, design a clear lens cover.	side, upper aft portion	of the bod	y. All lights must
WHELEN SUPER-LED FLASHING WARNING LIGHT, UPPER RIGHT SIDE, FORWARD:	Bidder Complies	YES	_NO
The vehicle must be equipped with a Whelen M must include one (1) light assembly on the right lights must include metalized flange chrome how be Red with a clear lens cover.	side, upper forward	portion of the	he body. All
WHELEN SUPER-LED FLASHING	Bidder Complies	YES	NO
WARNING LIGHT, UPPER RIGHT SIDE, AFT:	<u> </u>		<u> </u>
The vehicle must be equipped with a Whelen M must include one (1) light assembly on the right must include metalized flange chrome housing, with a clear lens cover.	side, upper aft portion	on of the bo	dy. All lights
WHELEN SUPER-LED FLASHING WARNING LIGHT, REAR, UPPER LEFT:	Bidder Complies	YES	_NO
The vehicle must be equipped with a Whelen M must include one (1) light assembly on the rear, include metalized flange chrome housing, desig a clear lens cover.	upper left portion of	the body. A	ll lights must
WHELEN SUPER-LED FLASHING WARNING LIGHT, REAR, UPPER CENTER:	Bidder Complies	YES	_NO

The vehicle must be equipped with a Whelen M9 Series Super-LED warning light. The vehicle must include one (1) light assembly on the rear, upper Center of the body. All lights must include metalized flange chrome housing, designed for this fixture. The light must be Amber with a clear lens cover.

WHELEN SUPER-LED FLASHING WARNING LIGHT, REAR, UPPER RIGHT:	Bidder Complies	YES	_NO
The vehicle must be equipped with a Whelen M must include one (1) light assembly on the rear, include metalized flange chrome housing, designing clear lens cover.	upper right portion o	f the body.	All lights must
WHELEN SUPER-LED FLASHING WARNING LIGHT, WINDOW LEVEL, REAR, LEFT PANEL:	Bidder Complies	YES	_NO
The vehicle must be equipped with a Whelen Minclude one (1) light assembly on the Rear left pais open, the light must be visible through the up include metalized flange chrome housing, designing clear lens cover.	panel. The light is situ per portion of the doc	uated so whor window.	en the back door All lights must
WHELEN SUPER-LED FLASHING	Bidder Complies	YES	NO
WARNING LIGHT, WINDOW LEVEL, REAR, LEFT PANEL:		-	
The vehicle must be equipped with a Whelen M include one (1) light assembly on the Rear left p is open, the light must be visible through the Lo include metalized flange chrome housing, desig with a clear lens cover.	panel. The light is situ wer portion of the do	uated so wh or window.	en the back door All lights must
WHELEN SUPER-LED FLASHING WARNING LIGHT, WINDOW LEVEL, REAR, RIGHT PANEL:	Bidder Complies	YES	_NO
The vehicle must be equipped with a Whelen M include one (1) light assembly on the Rear right door is open, the light must be visible through the must include metalized flange chrome housing, with a clear lens cover.	panel. The light is sine upper portion of the	tuated so we door wind	hen the back low. All lights

WHELEN SUPER-LED FLASHING Bidder Complies YES____NO___ WARNING LIGHT, WINDOW LEVEL, REAR, RIGHT PANEL:

The vehicle must be equipped with a Whelen M9 Super-LED warning light. The vehicle must include one (1) light assembly on the Rear right panel. The light is situated so when the back door is open, the light must be visible through the lower portion of the door window. All lights

must include metalized flange chrome housing, designed for this fixture. The light must be Amber with a clear lens cover.

WHELEN LED FLASHING WARNING LIGHTS, OVER REAR WHEEL:	Bidder Complies	YES	_NO
The vehicle must be equipped with M7 Whelen lights must be provided, one over each rear whe The lights must incorporate integrated metalized other flanges are unacceptable.	el area. Red/White Sp	plit Color v	with clear Lens.
EXTERIOR VEHICLE LIGHTS AND EQU	IPMENT		
WHELEN LED VEHICLE TAIL LIGHTS:	Bidder Complies	YES	_NO
The vehicle must be equipped with two (2) Whe lights must be located on the lower outboard corbody must be designed in such a way to eliminate from the backside.	mers of each side of t	he rear of t	he vehicle. The
VEHICLE BACK-UP LIGHTS:	Bidder Complies	YES	_NO
The vehicle must be equipped with two Whelen side on the inboard side of the lower panel. The placed in reverse. The light must include integrated be designed in such a way to eliminate the lights backside.	e lights must operate a ated metalized chrom	any time the	e vehicle is The body must
WHELEN LED POPULATED AMBER DIRECTIONAL LIGHTS:	Bidder Complies	YES	_NO
A pair of Whelen M9 Super LED amber arrow or rear of the vehicle directly above the stop/tail are integrated metalized chrome flange housing on	nd back-up lights. Th		
MARKER/CLEARANCE LIGHTS:	Bidder Complies	YES	_NO
LED Marker and Clearance lights must be insta to meet all Federal lighting requirements FMVS		and both si	des of the body
LOWER FLASHING MARKER LIGHTS:	Bidder Complies	YES	_NO

vehicle, one front, activate any time the	orker clearance lights must and one rear. The lights mand the vehicles directional switted regrated reflex reflector into	ust be wired to the side ch is activated. The m	e directions	al lights and
REAR EMERGI	ENCY FLASHING BRAKE LIGHTS:	Bidder Complies	YES	NO
must be activated v lights are on. Thes circumstances mus	ashing warning lights locate whenever the vehicles serving lights must be activated to they be powered by the verthe coil of the transfer related	ce brake is applied and hrough a transfer relay chicles stop lamp swite	the red fla	ashing warning nich under no
RUNING BOAR	D LIGHTS:	Bidder Complies	YES	NO
Whelen TIR3 Ligh	ts must be installed on the	running board risers.		
EXTERIOR 12 V	OLT FLOOD LIGHTS			·
WHELEN BROV	W LIGHT:	Bidder Complies	YES	NO
A Whelen Model F	PFP2 is to be brow mounted	l on the cab roof, and s	witched se	eparately.
WHELEN SIDE LIGHTS:	M9, LED SCENE	Bidder Complies	YES	NO
side of the vehicle.	19 Series Super LED Scene The scene lights must inclight. Cast aluminum housi	ude metalized chrome		
WHELEN SIDE LIGHTS:	M9, LED SCENE	Bidder Complies	YES	NO
side of the vehicle.	19 Series Super LED Scene The scene lights must inclight. Cast aluminum housi	ude metalized chrome		
WHELEN SIDE LIGHTS:	M9, LED SCENE	Bidder Complies	YES	NO
vehicle, above the	19 Series Super LED Scene rear entrance doors. The sc ly designed for each light.	ene lights must include	e metalized	chrome flange

Bidder Complies

YES___

RIGHT SIDE SCENE LIGHT,

CONTROL:

The right side scene lights of the vehicle must be controlled by two modes. The first mode of operation is the right side scene lights must function from the relay controlled circuit and lighted switch located in the driver's console. The second mode is the scene lights must be activated when the right side entrance door is opened. All circuits must be relay controlled. No load current must pass through the door post switch.

LEFT SIDE SCENE LIGHT, CONTROL:	Bidder Complies	YES	NO
The left side scene lights of the vehicle must further left scene lighted switch in the driver's cons		ontrolled ci	rcuit activated by
REAR SCENE LIGHTS:	Bidder Complies	YES	NO
The rear scene lights must automatically activate vehicle is placed in reverse. All scene light circ			or when the
REAR SCENE LIGHT SWITCH: The rear scene lights mounted on the rear of the	vehicle must be cont	trolled "on	off" by a single
pole lighted switch located in the driver's consorboth backup function and the scene lights "on" affected by those circuits.	ole. The rear scene light with the door open fu	ght switch nction, and	must override d must not be
RIGHT SIDE SCENE LIGHT CANCEL SWITCH:	Bidder Complies	YES	NO
A right side scene light cancel switch must be in The switch must be mounted within the interior pole momentary switch. The circuit must automathe step well light with a single touch of the switch next time the side entrance door is opened. a manual cancelling door post switch is unacceptable.	wall or cabinet. The natically turn off the ratic. The circuit must The circuit must be re	switch mo right side s t automation	ast be a single scene lights and cally re-arm itself
REAR SCENE LIGHT CANCEL SWITCH:	Bidder Complies	YES	NO
A scene light cancel switch must be installed dimust be mounted within the cabinet adjacent to momentary switch. The circuit must automatically re-an opened. The circuit must be relay controlled. The an unacceptable substitution.	the door. The switch ally turn off the flood rm itself the next time	must be a lights with the rear e	single pole n a single touch of ntrance doors are
REAR SIDE FLOOD LIGHTS:	Bidder Complies	YES	NO

The left and right, rear side, flood lights must activate when the vehicle is placed in reverse. The lights must illuminate to provide better side illumination when backing up the vehicle during periods of darkness. The circuit must be relay controlled, without the use of voltage reducing diodes or rectifiers. All flood and reverse circuits must function independently when the vehicle is not in reverse.

CLIMATE CONTROL SYSTEM:	Bidder Complies	YES	NO			
The Ambulance Climate Control System in the chassis must only function when the vehicle is in the run mode. This must be done to reduce the electrical load on the vehicle when the engine is not running.						
FLOW-THRU VENTILATION:	Bidder Complies	YES	NO			
A high volume power exhaust ventilation system must be installed on the left rear side panel of the vehicle. It must consist of a 280 CFM, (2) speed blower motor, connected to a welded aluminum, transfer plenum. This plenum is directly connected to a set of dual closeable intake vents mounted in the face of the interior rear corner cabinet. On the exterior, a Cast Products polished aluminum cowl vent with an internal, rubber back flow flap must be installed on the exterior of the modular body. The cowl vent must be installed using a EPDM 40 to 60 durometer rubber gasket. Single speed blowers or blowers with resistor type speed control are unacceptable. Installations which produce excessive noise due to vibration must be cause for rejection.						
12V AIR CONDITIONING CONDENSER:	Bidder Complies	YES	NO			
The vehicle must be equipped with a body 12 volt air conditioning condenser. The air conditioning condenser must be added to provide refrigerant cooling for the auxiliary compressor added for the body. The condenser must be fan cooled by a condenser mounted 12 volt cooling fan. The fan must be relay controlled and only be activated when the rear air conditioner unit is activated. The cooling rating of the condenser must be 40,000 BTU, and the air flow rate must be 2,800 CFM.						
DUCTED HEATER AND AIR CONDITIONING SYSTEM:	Bidder Complies	YES	NO			

The unit must have a minimum capacity of 38,000 BTU Air Conditioner and 60,000 BTU Heat operating with 12 volt power. The unit will have a high performance 650 CFM Brushless blower fan with a five (5) year warranty. A receiver-dryer must also be installed on the evaporator case to remove moisture from the refrigerant system. The climate control unit must be permanently attached to the double ductwork system running full length of the ceiling of the vehicle. Each duct must be fully contoured with approximate dimensions of 5" wide and not protrude more than 2 3/4" from the ceiling. In addition each duct must have four (4) equally spaced from front to rear, fully adjustable 4-way adjustable louvers with shut off feature at each register. The duct work must be covered with a fully padded vinyl covering and incorporate the vehicles drop down

wire raceway cover in the center. The heater/air conditioner unit must be located in the front of the vehicle centered above the cab to body pass through. An air cleaner filter must be installed in the return air grille located in the underside of the cabinet.

The climate control unit must include a twin air return system. One mounted high and one mounted low for full air re-circulation. In addition the entire climate control unit must be double insulated first by the standard body insulation and secondly by a fully encompassing 5/16" thick reflective insulation. The reflective insulation must also extend the full length of the raceway duct, front wall and ceiling of the climate control cabinet. All heater hoses provided must be OEM style EPDM rubber type. The use of lesser quality hose or silicone hose is an unacceptable substitution. The systems heater must include an electric 2-way, internally piloted, normally closed solenoid valve which only opens when the heater unit is "On" and when the vehicle is running. The heater shut off valve must also include an emergency shut off switch located within the rear power distribution panel. All Air Conditioner hoses must be Goodyear Galaxy Type 4890. Barrier type hose must be unacceptable.

No exceptions or deviations to this system will be allowed due to its superior air distribution system and low noise characteristics. An exception will be cause for rejection of bid. Bidder/manufacturer must provide proof that this is an operating climate control system, offered as a standard component in their emergency vehicle production. Prototype systems are not acceptable. A user list of vehicles utilizing this system must be provided with the bid.

ELECTRONIC DIGITAL DISPLAY Bidder Complies YES____NO___ THERMOSTAT CONTROL:

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

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

•	The thermostat unit temperature probe must be located mid-level in the patient
	compartment.

• An additional control panel and remote fan speed switch are available.

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

AUXILIARY COOLANT PUMP CLIMATI	Bidder Complies	YES	NO	
CONTROL SYSTEM:	_			

A Gorman-Rupp (GRI) auxiliary coolant pump with brushless motor must be installed to increase coolant flow to the rear heater core. The pump must be sized to provide required heat to rear unit, while not reducing the effective heat in the vehicle cab. A motorized hot water/coolant valve is part of this system to shut off the flow of hot water when not using heat. The pump and valve must be controlled by the vehicle climate control system thermostat. The pump and valve must be located in a protected location in a body compartment and easily serviceable if required.

valve is part of this system to shut off the flow valve must be controlled by the vehicle climat must be located in a protected location in a bo	e control system thermo	stat. The p	oump and valve
INTERIOR AND COMPARTMENT UTIL	ITY LIGHTING		
DOME LIGHTING:	Bidder Complies	YES	NO
Six (6) Code 3 Vital Vio dome lights must be Each light must include the High/Low intensit have a lighted double throw switch in the rear vehicle frame work, not to ceiling panel mater	ty feature. The lights mu Life Support panel. All	ıst be relay	y controlled and
DOME LIGHTS WITH DOOR OPEN:	Bidder Complies	YES	NO
The dome lights mounted in the ceiling of the position when the personnel entrance doors are the dome light current must not be controlled.	e open. The circuit mus		_ ,
EXTERIOR COMPARTMENT LED STR LIGHTING:	UP Bidder Complies	YES	NO
All exterior compartments must be provided we compartment must have the lights installed on compartment. Lights must be mounted on ang compartment. The compartment lights must be each door. The compartment open indication list opened. The door post switch must activate switch must not carry the current of the compartment.	both the left and right valed brackets for maximuse controlled by an automight must activate anyting the compartment lighting.	ertical side im illumin natic door ne any con	e of the ation into the post switch in mpartment door
WHELEN LED STRIP-LITE Right Front	, Bidder Complies	YES	NO

An indirect light located in the Right front In/Out compartment area. The light must be a Whelen Level 3 intensity LED Strip light. The light will be controlled by the opening and closing of compartment doors.

LSS LED PANEL LIGHT:	Bidder Complies	YES	NO
An indirect light located above the Life Support action area. The light must be a Heavy Duty LF side of the light as well as from the rear switch pactivate the light in the oxygen storage comparts	ED panel light and be spanel. The rear panel l	witched b	y a switch on the
12 VOLT TECNIQ LED PATINET PROCEDURE LIGHTS:	Bidder Complies	YES	NO
The ceiling of the ambulance must be equipped mounted in the ceiling wire raceway. The lights of the stretcher. The lights must be controlled by the rear switch panel.	s must be located direc	tly over th	e center position
STEPWELL LIGHT:	Bidder Complies	YES	NO
An independent, recessed LED step well light me plate step well and be automatically activated we exterior must be protected from weather and darsealed connectors.	henever the side entrar mage. All connections	nce door is must be w	s open. The reatherproof,
12 VOLT TECNIQ LED LIGHTS:	Bidder Complies	YES	NO
Four (4) 17", 42 LED fixtures must be installed lights. The fixtures must have reinforced housing The lights must be relay controlled and switched Support switch panel. All lights must be mount not to the ceiling panel material alone.	ngs with a plastic diffu d by a lighted single po	ser which le switch	locks in place. in the rear Life
ROUND DOME LIGHTS "ON" WITH SHORELINE:	Bidder Complies	YES	NO
When the vehicle exterior power source is connvehicles 12 volt battery charger, all six (6) Code the high intensity mode.			
DUAL DOME LIGHT SWITCHES:	Bidder Complies	YES	NO

Per the requirements of KKK-A-1822, two independent dome light circuits with two independent switches must be provided to control two banks of (3) dome lights each. The switches must be marked in the Life Support panel as left dome light and right dome light. Each switch must power the low mode of the fixtures independently.

12 VOLT MEDICAL OUTLET:	Bidder Complies	YES	NO
One (1) 12 volt Power Point outlet must be protected and provide a source directly from battery disconnect switch. The outlet must be	the vehicle batteries, and	bypass the	e vehicles maste
12 VOLT MEDICAL OUTLET:	Bidder Complies	YES	NO
One (1) 12 volt Power Point outlet must be protected and provide a source directly from a battery disconnect switch. The outlet must be compartment.	the vehicle batteries, and	bypass the	e vehicles maste
12 VOLT MEDICAL OUTLET:	Bidder Complies	YES	NO
One (1) 12 volt Power Point outlet must be promust be circuit breaker protected and provide bypass the vehicles master battery disconnect front upper compartment.	a source directly from the	ne vehicle	batteries, and
12 VOLT MEDICAL OUTLET:	Bidder Complies	YES	NO
One (1) 12 volt Power Point outlet must be protected and provide a source directly from battery disconnect switch. The outlet must be	the vehicle batteries, and	bypass the	e vehicles maste
12 VOLT MEDICAL OUTLET:	Bidder Complies	YES	NO
One (1) 12 volt Power Point outlet must be proportected and provide a source directly from a battery disconnect switch. The outlet must be bench.	the vehicle batteries, and	bypass the	e vehicles maste
12 VOLT MEDICAL OUTLET:	Bidder Complies	YES	NO
One (1) 12 volt Power Point outlet must be protected and provide a source directly from the battery disconnect switch. The outlet must be	the vehicle batteries, and	bypass the	vehicles maste
SVDC DHAL HCD.	Piddon Complies	VEC	NO

One Kussmaul 091-219, Dual 5VDC USB must be installed in the cab console. ANTENNA: **Bidder Complies** YES NO A Coaxial Antenna lead must be prewired from a location in the wire raceway to the location of the two-way communication radios. The antenna lead in the roof must include a connector soldered to end of cable for install of two-way communication radio antenna. ANTENNA LEADS: **Bidder Complies** YES NO Two (2) coaxial cable antenna leads, with base and cap, must be installed on the cab roof. They must run from the cab roof to the cab console. **RADIO POWER LEAD: Bidder Complies** YES NO A 10 gauge constant power positive lead and 10 gauge ground must be provided with 30 amp circuit protection located in the rear Life Support Panel. **RADIO POWER LEADS: Bidder Complies** YES NO A 10 gauge constant power positive lead and 10 gauge ground must be provided with 30 amp circuit protection. They must terminate in the cab console. **RADIO POWER LEADS: Bidder Complies** YES NO An 8 gauge constant power positive lead and 8 gauge ground must be provided with 40 amp circuit protection. They must terminate in the cab console. **COLOR BACK-UP CAMERA / MONITOR Bidder Complies** YES NO **SYSTEM:** The vehicle must be equipped with an Audiovox Backup Camera / Monitor with Audio System. The camera and Monitor must be capable of transmitting a full color display. The cameras must be mounted on the back of the vehicle and include a waterproof switch for mirror or normal image. The camera must be capable of 110 degrees of horizontal image and 90 degree of vertical image. The monitor must be mounted on a 4" pivot pedestal from the cab ceiling between cab sun visors. The monitor must be a 7 inch full color LCD display screen. The monitor must be connected by a shielded cable to minimize interference. The Back-up Camera system must automatically activate every time the vehicle is shifted into the reverse gear provided the control switch is set to the standby mode. Continuous monitoring is provided when the control switch is set to the manual mode, and not dependent on the reverse

Bidder Complies

YES NO

gear selection.

REAR STEREO SPEAKERS:

Two (2) low-profile, flush mounted, AM-FM Stereo Radio Speakers must be installed in the ceiling in the forward portion of the vehicle. The speakers must be spaced with other equipment provided, (1) each side. The speakers must be connected to the stereo radio within the cab dashboard. A "Volume Control" rheostat must be provided in the rear switch panel to allow speakers to operate independent of front speakers.

PREWIRED STREAM-LITE LIGHT BOXES:	Bidder Complies	YES	_NO	
The vehicle must be pre-wired for hand-held port 12 volt constant circuit located within the vehicle and circuit breaker protected at the battery source	. The 12 volt circuit			
INTELLITEC CLOCK W/SWEEP SECOND HAND:	Bidder Complies	YES	_NO	
An Intellitec digital clock with sweep second han face of the angled 45 degree cabinet above the LS constant, protected, 12 volt source directly from t	SS area. The clock mu			
The clock must have a 4-digit display to allow for the rear of the ambulance. The clock is 6.75 x 4.7 using 4 screws.				l ·
REAR SUSPENSION LOWERING SWITCH:	Bidder Complies	YES	_NO	
The rear suspension system must be capable of loan electric dump solenoid. The solenoid must be on/off override switch must be located just inside suspension dump with the door. The suspension reclosed regardless of the switch position.	activated when the let the left rear door to o	oft rear door control the f	is opened. A	An ne
115 VOLT AC ELECTRICAL:	Bidder Complies	YES	_NO	
The vehicle must include a 115 volt AC Electrica 12 volt electrical system. The entire system must of the NFPA National Electrical Code (NEC) who for general practices and procedures associated was wiring and devices. The vehicle must also meet a standard 009. Test Documentation and verification	be designed and teste ere applicable and use with high voltage 115/2 and be tested to all req	ed to meet the the balance 230 volt AC uirements of	ne requirements of the NEC C Electrical of AMD	nts
115 VOLT ELECTRICAL SCHEMATICS:	Bidder Complies	YES	_NO	

A complete wiring schematic must be provided which indicates the systems entire 115 vol Electrical System. The schematic must be done in the same format as the 12 volt wiring schematics and be provided upon delivery of the vehicle.				
115 VOLT WIRING:	Bidder Complies	YES	NO	

All wiring must be three (3) conductors, 10 GA or 12 GA minimum stranded copper cable as required by the circuit requirements. All conductors must have a 105 degree Celsius rated insulation, with tinned conductors rated at 600 volt. All cable wiring must be encased in high temperature protective loom where exposed.

KUSSMAUL "SUPER AUTO-EJECT" Bidder Complies YES____NO____SHORELINE:

A 20 Amp Kussmaul "Super Auto-Eject" Shoreline Male Motor Base Model 091-55-20-120 must be installed on the left side of the body over compartment "B". The Shoreline must be waterproof type with spring loaded gasketed cover. The Shoreline must be wired to the junction circuit breaker box located within the power distribution panel compartment. The Shoreline auto-eject solenoid must be connected to the starter solenoid of the vehicle and only be activated when the key is in the start mode. The Shoreline must be equipped with a matching female connector designed for use with the auto-eject shoreline and shipped loose with the vehicle.

SHORELINE POWER / BATTERY Bidder Complies YES NO CHARGER INDICATOR LIGHTS;

Dual operation indicator lights must be provided to indicate both live power of the shoreline and battery charger "charging". This must be located at the shoreline input connector. The "Live Power Shoreline" indicator must be a "rounded" 3/8" LED amber indicator and the "Battery Charger" indicator must be a "rounded" 3/8" green LED. The 115 volt indicator must indicate power has reached the interior outlets, not just the shoreline.

115 VOLT POWER DISTRIBUTION BOX: Bidder Complies YES____NO___

A 115 volt power distribution box must be installed in the vehicles main electrical cabinet. The distribution box must consist of an enclosure with a 20 amp magnetic type circuit breaker installed. The circuit breaker must power duplex receptacles also mounted within the distribution box. All wiring and circuits provided must be sized for a 20 amp capacity, 12 gauge conductor minimum.

ENGINE BLOCK HEATER: Bidder Complies YES NO

The Block Heater must be powered by the exterior shoreline power of the vehicle. A 115 volt Electrical conductor encased in high temperature loom must be routed to the engine compartment and have a quick connect Waterproof Connector on the end to plug into the engine block heater.

ENGINE BLOCK "SHUT-OFF" SWITCH:	Bidder Complies	YES	_NO			
A 115 volt AC toggle switch, 15 amp rated, must be located with the area of the electrical compartment to disconnect the engine block heater from the shoreline input feed. The wiring must be done in accordance with NFPA, NEC applicable codes.						
115 VOLT GFCI RECEPTACLE INTERIOR:	Bidder Complies	YES	_NO			
115 volt AC Duplex Ground Fault Circuit Interrupter receptacle must be installed in the vehicle for protection of personnel. The GFCI must be "Lighted" duplex type. The Green light within the outlet must glow when live power is at the outlet, and extinguish to indicate when the GFCI is tripped. All other outlets within the vehicle must be wired downstream, and be GFCI protected. The location of the GFCI must be as follows, one (1) located on the back wall of the Life Support Station.						
115 VOLT OUTLET INTERIOR:	Bidder Complies	YES	_NO			
115 volt AC Duplex Electrical outlet must be installed in the vehicle. The outlets must be "Lighted" hospital grade duplex type. The Neon light within the outlet must glow when live power is at the outlet. All outlets within the vehicle must be GFCI protected. The location of the outlet must be as follows, one (1) located on the left rear wall of the vehicle.						
115 VOLT OUTLET INTERIOR:	Bidder Complies	YES	_NO			
115 volt AC Duplex Electrical outlet must be inst "Lighted" hospital grade duplex type. The Neon power is at the outlet. All outlets within the vehic outlet must be as follows, one (1) located in the ri	light within the outlet ele must be GFCI pro	t must glow tected. The	when live			
115 VOLT OUTLET INTERIOR:	Bidder Complies	YES	_NO			
115 volt AC Duplex Electrical outlet must be inst "Lighted" hospital grade duplex type. The Neon power is at the outlet. All outlets within the vehic outlet must be as follows, one (1) located in the ri	light within the outlet tle must be GFI prote	t must glow cted. The l	when live			
115 VOLT OUTLETS INTERIOR:	Bidder Complies	YES	_NO			
115 volt AC Duplex Electrical outlet must be inst "Lighted" duplex type. The Neon light within the outlet. All outlets within the vehicle must be GFI follows, one (1) located above the cabinet at the h	outlet must glow who protected. The location	en live povion of the o	ver is at the			

	WATT INVERTER / 55 AMP RGER:	Bidder Complies	YES	_NO		
A Vanner Model 20-1050 CUL, 1050 watt inverter must be installed in the rear electrical equipment cabinet of the vehicle. The inverter must have a built in transfer switch to power equipment from both the shoreline or vehicle power. The unit must also include a 55 amp battery charger built into the unit. All battery leads to inverter must be powered by a 2 GA SXL battery cable, minimum, directly from the battery side of the vehicles master disconnect switch.						
A 17111	CLE PAINTING					
PAIN	TTING PROCESS:	Bidder Complies	YES	NO		
System	ntire modular body must be prepared and partial notation. Sikkens products will be used exclusivel e cause for rejection of the bidders' respons	y, and the use of other				
REQU	JIRED PAINT PROCEDURES:					
I. Su	rface Cleaning	Bidder Complies	YES	NO		
2.	The vehicle module will be inspected for contaminants will be removed prior to pre	-	g, and caulk	ing. All such		
3.	3. The module will be surface cleaned with Sikkens OTO Degreaser utilizing the "2-Towel" method. One towel will be used to apply the product (saturate and scrub the surface area being cleaned), and one towel will be used to physically dry the area. All proper HS&E practices will be followed.					
4.	The surface cleaner will not be allowed to	evaporate by working	g small areas	s.		
5.	5. Both towels will be replaced as they become dirty.					
6.	Inspect the module body during the cleani irregularities.	ng process for any su	rface defects	s of		
7.	The bottom of the module body, the doors sealant/adhesive to fill all gaps and seams to help protect against corrosion.					

1. All areas requiring body work must be ground down with 36 grit and feather edged with 80 grit DA.

Bidder Complies

YES____NO_

2. All areas with body work must be filled with Evercoat Z-grip body filler.

II. Polyester Repairs

- 3. All body work must be sanded with 80 grit and finished with 180 grit sandpaper.
- 4. Evercoat Eurosoft glazing putty is applied over any body filler to fill any pin holes and minor waves.
- 5. The glazing putty is to be finish sanded and feather edged with 180 grit sandpaper prior to paint.
- 6. Sand/abrade all areas that require the application of LV260 epoxy primer with 180 grit.
- 7. Thoroughly clean and degrease with Sikkens OTO Surface cleaner.
- 8. Apply Auto Prep Pre-Treatment Wipes to all bare metal or aluminum surfaces extending slightly into the polyester repaired areas and extending far enough on to the substrate to allow the LV260 epoxy primer to be applied inside the Auto Prep Pre-Treatment Wipe area.
- 9. All body work is to be primed with LV260 epoxy primer, and final sanded with 320 grit sandpaper.
- 10. All edges of the module body, doors, and door openings are to be rounded for maximum paint mils.
- 11. All body work requires a Quality Assurance inspection to check for pin holes, gaps, scratches, and blemishes. All edges are to be rounded, and all sealant is to be sanded before epoxy primer application.

III. Surface Preparation Brightener	Bidder Complies	YES	NO
Process	•		

- 1. Fully rinse module with D.I. water.
- 2. Mix 35 0z. Brightener to 500 oz D.I. water.
- 3. Apply Brightener solution from the top of the module working down while scrubbing with a brush to insure complete surface contact and mechanical cleaning.
- 4. Allow approximately 5 minutes dwell time on the surface.
- 5. Rinse thoroughly with D.I. water. Water must "sheet" cleanly over the aluminum surface. If required, repeat process.

IV. Surface Preparation Application of	Bidder Complies	YES	NO
Gardobond 4707	•		

1.	Mix 300 milliliters of Gardobond 4707 to 2 gallons of D.I. water.				
2.	Apply Gardobond solution starting at the top of the module and working down using approved spray equipment while maintaining at least 50 % overlap application process.				
3.	Allow 5 minute dwell time on the surface.				
4.	Rinse thoroughly with D.I. water.				
5.	Blow off excess water with air blower concentrating on recessed areas and seams.				
6.	Blow off and bake dry in spray booth (140 degrees for 45 minutes), and recheck for residual water.				
7.	Tack and proceed with painting process.				
<u>V. Do</u>	oor Preparation Bidder Complies YESNO				
1.	Follow same procedures as for exterior module body preparation.				
2.	Inner doors must be coated in designated areas with "cavity wax" after finish process has been completed.				
VI. S	urface Preparation for Small Repairs Bidder Complies YESNO				
1.	Surface clean substrate utilizing Sikkens OTO surface cleaner as per recommended process.				
2.	Prepare surface using aluminum P-180 grit DA or 3M0774 Red scuff pads.				
3.	Final surface clean with Sikkens OTO Surface Cleaner as per recommended process.				
4.	Apply AutoPrep Pre-Treatment wipes as per recommended process utilizing a "double wipe" method with a 50-75% overlap.				
5.	. Allow one minute dwell time for solution to react with base metal.				
6.	When completely flashed off, proceed with Sikkens High Build Surfacer Gray.				
7.	Do not apply any type of polyester products over AutoPrep Pre-Treatment Wipes.				
VII. I	E-Coat Application Process Bidder Complies YESNO				

- Mix LV260 Primer EP at 3:1+10% ratio utilizing the #9 Sikkens measuring stick.
 a. 3 parts LV260 Sealer

,	b. 1 part LV260 Hardenerc. 10% (of the A-component) reducer slow
2.	Apply one single flowing coat while maintaining a 50 to 75% overlap and a distance of 6 to 8 inches.
3.	Adjust fan pattern and atomizing air pressure to minimize texture and overspray.
VII. Seale	Undercoat Painting Process-LV 650 Bidder Complies YESNO r
1.	 Mix Autocoat LV 650 Sealer at 5:1:1 ratio utilizing the #23 Sikkens measuring stick. d. 5 parts LV Sealer e. 1 part LV 650 Hardener f. 1 part LV 650 Reducers
2.	Apply one single flowing coat while maintaining a 50 to 75% overlap and a distance of 6 to 8 inches.
3.	Adjust fan pattern and atomizing air pressure to minimize texture and overspray.
4.	Use SATA RP 1.0-1.1 equipment for best results.
IX. A	uto Base Plus Color Mixing Process Bidder Complies YESNO
1.	Mix Auto Base Plus at 100:5 with LV 650 Hardener utilizing the #14 Sikkens measuring stick. Stir mixture completely.
2.	Mix 100 parts of above combination with 80 parts Sikkens HP Reducers.
3.	Solvent selection should be slow enough to provide good flow and melt in characteristics

X. Application of Auto Base Plus Colors **Bidder Complies** YES_ NO

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

XI. Autocoat LV650 Clear Coat Mixing **Bidder Complies** YES NO **Process**

1. Mix Autocoat LV650 Clear Coat at a ratio of 5:2:2

- g. 5 parts LV650 Clear
- h. 2 parts LV650 Hardener
- i. 2 parts LV650 Reducer
- 2. Once it is mixed, Autocoat LV650 Clear has a pot life of 1.5 hours at 70 degrees F.

XII. Application of Autocoat LV650 Clear Bidder Complies YES NO Coat

- 1. Apply three full wet coats allowing a 5 to 10 minute flash off period between each coat.
- 2. Adjust fan pattern and atomizing air pressure to minimize texture and overspray.
- 3. Force drying of Autocoat LV650 Clear
 - j. Allow 10 to 15 minute flash in booth after application of second coat.
 - k. Bake at 140F for 45 minutes.
 - I. Allow a 10 minute cool down in booth.
 - m. Air dry for approximately 8 hours at 70F prior to any polish or detailing.

XIII. Sikkens System Dry Film Build Bidder Complies YES NO Requirements

- 1. High Build Surfacer Gray---2.0 to 2.7 mils per coat. (not included in total film build calculation)
- 2. E Coat---LV260 Primer EP---One coat at 1.0 to 1.5 mils per coat.
- 3. Primer Sealer---LV650---One coat at 1.0 to 1.4 mils per coat.
- 4. Base Coat--- Autobase Plus---Two to three coats at 0.3 to 0.4 mils per coat.
- 5. Clear Coat---LV650 Clear---Three coats at 0.9 to 1.1 mils per coat.
- 6. Total Dry Film Build System range---5.7 to 7.4 mils.
- 7. Total Dry Film Build System after detail/polish---4.7 to 6.4 mils.

PAINT	CORROSION PROTECTION:	Bidder Complies	YES	NO	
			~	1 1 0	

All exterior fastener locations that penetrate the paint on the modular body are to be treated with Electrolysis Corrosion Kontrol (ECK). Every external fastener hole must have ECK brushed into and around the hole for full coverage. The perimeter of the hole must be covered with a minimum of .5 diameter of ECK. This is to protect the head of the fastener from touching the painted surface. All applications of ECK are to take place before component mounting. The

fasteners that are included in this process are for the following components: Lights, hinges, diamond plate panels, entrance and compartment door panels, fuel fill, license plate holder, shoreline, vent covers, rain gutters, rub rails, fenderettes and door grabbers. Additional items that are mounted to the painted body will also be included. When an item is cut into the body causing an unpainted edge, the unpainted edge must be completely coated with ECK prior to component mounting.

Bidder Complies

YES

NO

TEN YEAR PAINT WARRANTY

						
The manufacturer will warranty to original pure defects for 10 years from date the vehicle is del materials for the following defects: coating syst degradation, gloss retention and color retention delaminating from the substrate or intercoat. The to repair defects resulting from dissimilar metal 60,000 miles from date of delivery. The bidder bid.	tivered. Manufacturer tem integrity, coating, cracking or checking or manufacturer will value and crevice corrosic	will warrand adhesion a gof the pair warranty mayon for a per	nty 100% labor & and UV related nt film, and aterials and labor iod of 5 years, or			
PAINT ADHESION TESTING:	Bidder Complies	YES	NO			
The manufacturer must utilize a customized paint adhesion testing procedure to insure and verify that proper bonding of the coatings to the substrate surface, has taken place. This test is performed on an intentional, sacrificial test surface just prior to the final polish stage. The coatings are cross hatch cut down to the substrate on multiple areas of the test surface. An adhesion tape of Permacel 99 (or the equivalent) is bonded and then removed to verify the permanent bond of the coatings. Each test surface panel is dated, logged and saved. The performed adhesion test is designed to exceed the ASTM spec D 3359, "Standard Test Method for Measuring Adhesion by Tape Test".						
MODULAR BODY PAINT COLOR:	Bidder Complies	YES	_NO			
The entire modular body will be Red. The paint code number for the required color will be NAV 2785.						
CAB PAINT:	Bidder Complies	YES	NO			
The cab color must remain OEM manufacturer' portion of this document.	s Cab color as specifi	ed in the cl	hassis spec			
LETTERING, STRIPING, AND GRAPHICS:	Bidder Complies	YES	_NO			
TOT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						

The completed vehicle will be lettered, striped, and have all graphics applied to meet KKK regulations, and to match the current first-line rescue units that are operating for the Warwick Fire Department.

VINYL REFLECTIVE STRIPE IN C- CHANNEL RUB RAILS:	Bidder Complies	YES	NO	
A 1 -1/2" wide red vinyl reflective stripe must Channel Rub-Rails.	be installed within th	e inner cov	ve of the "C"	
VISION SHIELD BODY WINDOWS:	Bidder Complies	YES	NO	
All body window must be covered with Vision gold SOLs.	1 Shield. The window	s on the re	ar doors must have	
COMMUNICATION RADIO EQUIPMENT WITH MOUNTING:	Bidder Complies	YES	NO	
The bidder must include providing and installing price should include remote mount installation cables necessary to make the radio operational Multi-Band Mid-Power Mobile Radio (M30T)	n, programming, and a l. The required radio i	ny additions s a Motoro	nal connectors and bla APX 7500	
Palm Microphone, GCAI water resistant Remote mount cable, 30ft Astro digital CAI operation Remote mount mid-power 7/800 MHZ primary band VHF MP secondary band 3 yr SFS lite Enable dual band operation Smartzone operation APX Speaker, 15 watt, water resistant APX 05 Control head APX control head software 3db Gain Low-Profile antenna, 762-870 MHz 3bd Gain VHF Wideband antenna, 136-174 M P25 trunking software DVRS MSU activation SW key supplemental data	IHz `			
RUBBER MUD FLAPS:	Bidder Complies	YES	NO	
Rubber mud flaps must be provided behind the rear wheels of the vehicle. They must be Heavy Duty Truck type and bolted to the inner fender liners of the modular body, behind the rear tires.				
FRONT AND REAR END	Bidder Complies	YES	NO	

ALIGNMENT:

The Chassis must be checked and adjusted for proper front and rear alignment after the ambulance body is mounted and the vehicle is ready for delivery.					
EQUIPMENT:	Bidder Complies	YES	NO		
Two (2) 5 lb. Fire Extinguishers, ABC must be provided and installed per customer's requirements. Included will be (2) #862 Amerex Mounts.					
DEFIBRILLATOR BRACKET:	Bidder Complies	YES	_NO		
An NCE H7000 Swivel Bracket for Life Pak 12/15 which has been certified to SAE J3043 must be provided and installed per customer's requirements.					
ZICO QUICK RELEASE BOTTLE BRACKETS:	Bidder Complies	YES	_NO		
(4) Zico, Quick Release Strapless "D" Bottle Bracket Model QR-D-2 must be provided and installed. Two will be located in the recessed stepwell area, and two will be located within Compartment "A"					
PREP, CLEAN, AND DETAIL VEHICLE:	Bidder Complies	YES	NO		
The new vehicle must be cleaned and detailed both inside and out, for final delivery.					
FILL FUEL TANK:	Bidder Complies	YES	_NO		
The fuel tank must be filled at the time of vehicle delivery.					

END OF SPECIFICATIONS