

**MANUFACTURER  
 DETAILED SPECIFICATIONS  
 FOR  
 JACKSON HOLE FIRE/EMS  
 JACKSON, WYOMING**

**0.01** It is the intent of these specifications to secure an emergency vehicle constructed to withstand the severe and continuous use encountered during emergency service.

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**0.02** The emergency vehicle shall be the latest type, carefully designed and constructed with due consideration to the nature and distribution of the load to be sustained. Bidder is required to provide weights of similar vehicles for comparison.

1. Vehicle Type \_\_\_\_\_ Year \_\_\_\_\_  
 Body Length \_\_\_\_\_  
 Unloaded Weights:  
 Front: Left \_\_\_\_\_ Right \_\_\_\_\_  
 Rear: Left \_\_\_\_\_ Right \_\_\_\_\_  
 Total Curb Weight \_\_\_\_\_  
 Owner of Vehicle \_\_\_\_\_  
 Contact Person \_\_\_\_\_
  
2. Vehicle Type \_\_\_\_\_ Year \_\_\_\_\_  
 Body Length \_\_\_\_\_  
 Unloaded Weights:  
 Front: Left \_\_\_\_\_ Right \_\_\_\_\_  
 Rear: Left \_\_\_\_\_ Right \_\_\_\_\_  
 Total Curb Weight \_\_\_\_\_  
 Owner of Vehicle \_\_\_\_\_  
 Contact Person \_\_\_\_\_
  
3. Vehicle Type \_\_\_\_\_ Year \_\_\_\_\_  
 Body Length \_\_\_\_\_  
 Unloaded Weights:  
 Front: Left \_\_\_\_\_ Right \_\_\_\_\_  
 Rear: Left \_\_\_\_\_ Right \_\_\_\_\_  
 Total Curb Weight \_\_\_\_\_  
 Owner of Vehicle \_\_\_\_\_  
 Contact Person \_\_\_\_\_

**0.03** These specifications detail the requirements for general design criteria of engine, transmission, electrical, body, painting, and equipment. In evaluating the bid proposals to determine which proposal is the most advantageous, these major items shall be considered:

1. Conformity to the Specifications.
2. Bidders past performance with this and other agencies.
3. Manufacturers past performance with this and other agencies.
4. Bidders ability to service vehicles for this agency.
5. Cost of vehicles after adjustments for exceptions taken.

**COMPLY** **YES** **NO**

**0.04** Emergency vehicle and equipment must meet the specific requirements and the intent of the requirements as specified herein. All items of these specifications shall conform to the character of the proposed emergency vehicle and the purpose for which it is intended.

**COMPLY** **YES** **NO**

**0.05** The emergency vehicle and equipment to be furnished in meeting these specifications must be the product of an established reputable emergency vehicle QVM certified manufacturer. Each bidder shall furnish satisfactory evidence of the manufacturer's ability to construct, supply service, parts, and provide technical assistance for the vehicle specified. Bidder shall provide name, address, and phone number of the nearest facility which meets the following criteria:

1. Facility is under direct control of bidder to insure prompt service.
2. Facility has the needed equipment, (i.e., press brake, shear, plasma cutter, paint booth, etc.) to fabricate major body parts.
3. Facility has the ability and authority to properly remount module body bid without affecting manufacturer's warranties.
4. Facility is a Ford QVM member.
5. Facility is a member of NTEA (National Truck equipment Association)

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

**COMPLY** **YES** **NO**

**0.06** The manufacturer shall defend any and all suits and assume all liability for any claim against the purchaser for the use of any patented process, device, or articles forming any part of the emergency vehicle proposed. Each bidder shall supply proof of \$5,000,000 product liability and facility insurance or show proof of being listed on manufacturer's \$5,000,000 product liability and facility insurance policy.

**COMPLY** **YES** **NO**

**0.07** The vehicle shall be tested and approved prior to delivery, and all records of same shall be submitted at time of delivery. Bidders shall state the amount of mileage the vehicle will have on it at the time of delivery.

Approximate mileage at delivery \_\_\_\_\_

**COMPLY**  **YES**  **NO**

**0.08** The manufacturer shall supply one (1) copy of parts, service, and operational manuals at delivery of the proposed emergency vehicle. Manuals shall include "As Built" body wiring diagrams.

**COMPLY**  **YES**  **NO**

**0.09** Bidder shall compute pricing less Federal and State taxes. It is understood that any applicable taxes will be added to the proposed prices unless the purchaser furnishes appropriate tax-exempt forms. The proposal form contained herein shall be used by all bidders.

**COMPLY**  **YES**  **NO**

**0.10** Bids shall be addressed and submitted in accordance with the "Call For Bid Cover Letter". Bid envelope must be identified with the words "**Emergency Vehicle Bid**", the opening date, and time on the face of the envelope.

**COMPLY**  **YES**  **NO**

**0.11** It is the bidders' responsibility to see that their proposals arrive on time. Late proposals, telegrams, fax, e-mail or telephone bids will not be considered.

**COMPLY**  **YES**  **NO**

**0.12** The bidder shall state the number of calendar days required for delivery of the completed vehicle after receipt of order by the manufacturer.

**COMPLY**  **YES**  **NO**

**0.13** All bid prices shall be F.O.B. destination on a delivered and accepted basis of the finished vehicle. If a drive out allowance is allowed, it will be shown on the proposal page as a separate deduct amount, complete with details explaining the drive out procedure.

**COMPLY**  **YES**  **NO**

**0.14** The successful bidder will be responsible for preparing and maintaining a record file of all parts and assemblies used to manufacture the emergency vehicle. These records shall be maintained in the factory of the bidder for the life of the apparatus. File shall contain copies of any and all reported deficiencies, all replacement parts required to maintain the apparatus, and original purchase documents including specifications, contract, invoices, incomplete chassis certificates, quality control reports, and final delivery acceptance documents.

**COMPLY**  **YES**  **NO**

**0.15** Due to the technical nature of this project, bidders are required to provide detailed drawings and detailed specifications of exactly what they are proposing. Bids not providing these required support documents shall be deemed non-responsive and rejected. Drawings shall include four (4) exterior views showing lights, equipment, stripes, lettering, etc. and four (4) interior drawings showing cabinets, benches, equipment placement, etc. The use of standard drawings and standard specifications or copies of bid drawings does not constitute detailed drawings and detailed specifications and shall not be considered. In order to make evaluations of proposals as quick and concise as possible, manufacturers detailed specifications shall be in the same order as the bid document. Minor details of construction and materials, where not otherwise specified, are left to the discretion of the contractor, who shall be solely responsible for the design and construction of all features.

**COMPLY**  **YES**  **NO**

**0.16** Some items have been specified by brand name or model number. These have been carefully selected because of their reliability, the availability of parts and service, or uniformity with this department. In order to be responsive, items specified by brand name and or part number named shall be contained in bid proposals.

**COMPLY**  **YES**  **NO**

**0.17** Each bidder must indicate compliance with these specifications by checking "Comply Yes / No" below each section of these specifications. Checking "Yes" will indicate complete compliance with that section; "No" will indicate an exception is being taken. Bidder must underline in red ink any portion of the section which will not be provided as specified. All exceptions must be fully explained on a separate page, giving reference to the page number and the section where the exception is being taken. Sufficient explanation and documentation shall be provided so that this agency may evaluate exception. Failure to comply with these requirements will result in automatic rejection of the entire proposal.

**COMPLY**  **YES**  **NO**

**0.18** Proposals taking total exception to specifications will not be accepted.

**COMPLY**  **YES**  **NO**

**0.19** The purchaser reserves the right to accept or reject any and all bids on such basis as the purchaser deems to be in its best interest, and is not bound to accept low bid.

**COMPLY**  **YES**  **NO**

**0.20** The purchaser reserves the right, before awarding the bid, to require a bidder to submit evidence of their qualifications as may be deemed necessary.

**COMPLY**  **YES**  **NO**

**0.21** All equipment furnished shall be guaranteed to be new and of current manufacture and to meet all requirements of these specifications. Workmanship shall be of high quality and accomplished in a professional manner so as to ensure a safe and functional apparatus.

**COMPLY**  **YES**  **NO**

**0.22** Manufacturer shall warrant new apparatus of its own manufacture against defective workmanship and materials for a period of at least two years from the date of delivery to the purchaser. A lifetime module body warranty shall be provided. Under this warranty, manufacturer's liability is limited to furnishing purchaser, without cost, parts and labor required to replace defective material or workmanship when there is no indication of misuse, neglect, improper maintenance, accident, or overloading the apparatus. Defects shall be reported to seller in writing by the purchaser within the warranty period. Parts and labor will be supplied after inspection by an authorized agent of the manufacturer. Defective parts shall be returned prepaid by purchaser to seller when requested. Warranty shall begin upon acceptance of the manufactured apparatus by the purchaser. All warranties included with this proposal shall be provided by the respective manufacturer and included with bid proposal.

**COMPLY**    **YES**    **NO**

**0.23** In the event the unit fails to meet the specified requirements, the purchaser has thirty (30) days to notify the contractor in writing of corrections required. Failure to make such changes as the purchaser may consider necessary to conform to any clause of the specifications, within thirty days of notification, shall be cause for rejection of the unit.

**COMPLY**    **YES**    **NO**

**0.24** All bidders shall provide bid security in the amount of ten percent (10%) of the total bid price, payable by bidder to the purchaser. Such security may be in the form of a bid bond in form and from a surety company reasonably acceptable to purchaser, a cashier's check, or other security acceptable to purchaser. Bonds which do not show the bidder as "principal" shall be rejected as unenforceable and bid deemed non-responsive. In case of failure or refusal of the successful bidder to enter into a contract, the bid security submitted with the bid may be forfeited as liquidated damages because of such a failure.

**COMPLY**    **YES**    **NO**

**0.25** The successful bidder may be required to execute and deliver to the purchaser a Performance Bond in the amount of 100% of the contract price, in form and from a surety company reasonably acceptable to purchaser. The bond shall show the bidder as the "principal" and provide for a 100% guarantee that the bidder will deliver the apparatus and equipment per the bid specifications. The bond shall extend to the warranty provided by the bidder/manufacturer for one (1) year past delivery date, beyond which time the bidder/manufacturer will maintain continued responsibility for the remaining term of the warranties. Bidder shall state cost of such bond on price sheet. Requested bonds will only be acceptable if the bidder is listed as the principal on the bonds. Bonds from manufacturers will not be acceptable unless they are the bidder and will be a party to the contract.

**COMPLY**    **YES**    **NO**

**0.26** Bidder shall provide a **pre-build meeting and a final inspection meeting** at the manufacturing facility. If the bidder is not in the full-time employment of the company who will manufacture the vehicle, he is required to attend both of these meetings. Bidder shall be responsible for the following expenses, to include airfare, ground transportation from airport to plant and return, meals and lodging if necessary. **Pre-build meeting shall be for one (1) person from purchaser. Final Inspection meeting shall be for two (2) people from the purchaser.**

**COMPLY**  **YES**  **NO**

**0.27** As this agency expects to remount this vehicle at some future date bidder shall supply a copy of the manufacturer's current remount warranty with the bid. If the manufacturer does not provide remount services bidder shall provide the name, address, phone, and history of the company who does provide the remount services, a current copy of their remount warranty and \$5,000,000 product liability insurance policy.

**COMPLY**  **YES**  **NO**

**0.28** **FORCE MAJEURE**

The seller shall not be charged with liquidated damages or any excess cost when delay in delivery of goods is due to:

1. Any preference, priority of allocation order duly issued by the Government;
2. Unforeseeable cause beyond the control and without the fault, or negligence of the Seller, including but not restricted to, acts of God, or of the public enemy, acts of the Buyer, acts of another Contractor in the performance of a contract with the Buyer, fire, flood, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; and
3. Any delays of subcontractors occasioned by any of the causes specified in the two immediately preceding clauses.

Provided that the Seller shall, within seven (7) days from the beginning of such delay, notify the Buyer, in writing, of the causes of the delay whereupon the Buyer shall ascertain the facts and extent of the delay and notify the Seller within a reasonable time of its decision in the matter.

**COMPLY**  **YES**  **NO**

**0.29** **INTER-LOCAL AGREEMENT**

Pursuant to Revised Code of the Washington (RCW) 39.34.030(5), any public agency or agencies in Washington may purchase or otherwise utilize this contract provided the public agency or agencies that awarded the original contract complied with all statutory notice and contracting requirements.

Public or purchasing agencies from Oregon and Washington may utilize this contract for interstate cooperative procurements, according to the requirements of ORS 279a.220 and RCW 39.34.

*This bid shall remain open to additional purchases (Interlocal, Tag-On, Piggy Back) by this or other agencies for a period of three (3) years, with periodic cost adjustments based on actual manufacturer's price increases.*

**INVESTMENT:**

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Year \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_ Price \_\_\_\_\_  
Sales Tax \_\_\_\_\_  
Total \_\_\_\_\_

Payment Terms: The above vehicle price shall be based upon a 90% payment being made upon receipt of vehicle with the balance due in 30 days.

Drive out allowance included in above price \_\_\_\_\_

Pre-Build/ Inspection visit allowance  
(One (1) Person for Pre-Build; two (2) People for Final Inspection) \_\_\_\_\_

100% Performance Bond – *If required ADD* \_\_\_\_\_

The price quoted above shall remain firm until \_\_\_\_\_

Delivery: Calendar days after receipt of order \_\_\_\_\_

**Bidder** \_\_\_\_\_

**Signed** \_\_\_\_\_

**Address** \_\_\_\_\_

**Phone** \_\_\_\_\_

**Motor Vehicle Dealer License: State** \_\_\_\_\_ **#** \_\_\_\_\_

*This bid shall remain open to additional purchases (Interlocal, Tag-On, Piggy Back) by this or other agencies for a period of three (3) years, with periodic cost adjustments based on actual manufacturer's price increases.*

# 1 **CHASSIS**

## **1.01 OEM CHASSIS**

- 2019 Ford F-450, 4 x 4, Super Cab meeting all the specifications of Section 1.01.
  - Ambulance Prep. Package
  - EPA Special Emergency Vehicle Emissions
  - 3 year/36,000 mile Bumper-to-Bumper warranty
  - Dual rear wheels
  - Provided by Manufacturer

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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## **1.01.01 SPECIFIC RATINGS**

- Drive – 4 x 4
- G.V.W.R. – 16,500 lbs.
- Front Axle – 7,000 lbs.
- Rear Axle – 12,000 lbs.
- Wheelbase – 192"
- Cab to Axle – 84"
- Curb Weight – 11,500 lbs. approximate
- Front Spring Capacity – 7,000 lbs.
- Rear Spring Capacity – 12,000 lbs.
- Rear Differential – 4.10 ratio, limited slip wide track rear axle

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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## **1.01.02 POWER TRAIN**

- Engine
  - 6.7L 4V Power Stroke V8 turbo diesel B20
  - Diesel Emission Fluid (DEF) system with operator-commanded regeneration
  - 5 year/100,000 mile warranty
  - External oil cooler
  - Factory diesel package
  - 1,000 watt engine heater
  - Heavy duty dry type air cleaner with flow restriction indicator
  - Stationary Elevated Idle Control integrated in engine control module
- Engine Cooling System
  - Heavy duty, closed-air, free-liquid state type
  - Coolant recovery system
  - 50/50 solution Permanent type antifreeze to –40 degrees F
- Transmission
  - TorqShift 6-speed automatic overdrive transmission
  - Tow/Haul Mode with Integrated Exhaust Brake
  - External oil cooler in chassis grille area
  - Electronic Shift on the Fly with auto-locking wheel hubs
- Exhaust System
  - System complies with Federal Motor Carrier Safety Regulations, Part 393.83
  - Suspended using three hangers, excluding manifold attachment
  - Discharge at right rear side of module
  - Tailpipe shall not terminate within twelve inches of the vertical axis of the fuel tank filler opening.

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**1.01.03**

**STEERING**

- Power-assisted tilt steering wheel

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**1.01.04**

**SHOCK ABSORBERS/STABILIZER BARS**

- Heavy-duty shock absorbers front and rear
- OEM front and rear stabilizer bars

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**1.01.05**

**BRAKES**

- Heavy duty power-assisted four wheel ABS; front and rear disc
- Front 14.53" diameter; Rear 15.35" diameter
- Trailer Brake Controller

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**1.01.06**

**TIRES AND WHEELS**

- Seven OEM LT 225-70R-19.5G all-season steel belted radials
- Seven OEM 19.5" steel wheels
- OEM jack and tire changing tools
- Spare tire and wheel shipped loose

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**1.01.07**

**ELECTRICAL**

- Alternators – OEM Dual rated at 377 Amps total
- Batteries – OEM Dual 750 CCA each
- Stationary Elevated Idle Control

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**1.01.08**

**INSTRUMENT PANEL AND CONTROLS**

- Gauges
  - Tachometer
  - Coolant Temperature
  - Transmission Fluid Temperature
  - Fuel
  - Speedometer
  - Indicator lights
  - Odometer/Trip Odometer
  - Turbocharger Boost
- Cruise Control
- Audio – OEM AM/FM/CD/SiriusXM radio with 6 month prepaid subscription
- SYNC 3 Voice-Activated communications and entertainment system with AppLink and instrument panel compass display
- 8" LCD productivity Screen in IP Cluster with Compass Display
- Two USB Ports
- Rearview Camera and Prep Kit (872)

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**1.01.09**

**CAB EXTERIOR**

- Trim Level – XLT
- Horn – OEM dual electric
- Windows – Tinted safety glass
- Windshield wipers – Two-speed electric, washer and intermittent speed control
- Mirrors
  - Two two black, below eye level, manually telescoping trailer tow
  - Power, heated glass, upper portion
  - Turn indicators and clearance lights on outside edge
  - Lower portion convex
- Bumper – Chrome
- Tow hooks – Two front
- Mud flaps – Two front
- Lights
  - Headlamps – Quad beam jewel effect
  - Roof clearance light
  - Under hood service light
- Fuel – OEM 40 gallon tank

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**1.01.10**

**CAB INTERIOR**

- Trim Level – XLT
- Seats – OEM
  - Cloth 40/20/40
  - Combination lap and shoulder harness
  - Side door armrest
- Flooring – Black vinyl
- Climate control – OEM
  - Heavy duty, fresh air, high capacity heater/defroster
  - Dehumidifying air conditioning system
- Airbags
  - Driver and right-front passenger front
  - Front-seat side
  - Safety canopy system with roll-fold side curtain airbags
- Other
  - Padded sun visors, dash, and door panels
  - Molded cloth headliner
  - Reduced sound package
  - Dome light, with dual map lights
  - Auxiliary power point(s)
  - Interior hood release
  - Power door locks & windows
  - Remote keyless entry
  - Adjustable Gas and Brake Pedals

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**1.01.11**

**COLORS**

- Exterior – Oxford White (Z1)
- Interior – Gray

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**1.02 CHASSIS MODIFICATIONS**

The following modifications will be made to the chassis by Manufacturer.

- 1.02.03 SIMULATORS/VALVE STEM EXTENDERS**  
Stainless steel wheel simulators shall be installed on all outer wheels, with 15" braided valve stem extenders on all four rear wheels. **COMPLY YES NO**
  
- 1.02.04 EXHAUST HEAT SHIELDS**  
Shall be formed from 20 ga. galvanized steel sheets with stamped reinforcements and formed edges. Access openings shall be provided for shock absorber, mounting bolts, etc. Heat shields shall be bolted to chassis frame and extend from back of cab to the frame cross member just behind the rear axle. **COMPLY YES NO**
  
- 1.02.05X RUNNING BOARDS**  
Custom-length running boards shall be installed on both sides of the vehicle. They shall be made of 0.125" polished aluminum grip strut. The entire assembly shall be securely mounted with chassis with OEM fasteners. **COMPLY YES NO**
  
- 1.02.09X MUD FLAPS**  
Mud flaps shall be installed behind each rear wheel. **COMPLY YES NO**
  
- 1.02.10X TIRES AND WHEELS**  
Six pressure monitoring valve caps shall be provided and installed. **COMPLY YES NO**
  
- 1.02.14X REAR SUSPENSION**  
Shall be a Liquid Spring System, installed with a "kneeling" feature to activate when the rear streetside patient compartment entrance door opens. An override switch shall be installed inside the rear curbside passage door. Controller shall be installed on OEM dash. A 2" spacer shall be installed on streetside and curbside rails to offset the suspension tank away from frame rail so that components shall not restrict access to the frame rail for hydraulic lift. **COMPLY YES NO**
  
- 1.02.35X CHASSIS KEYS**  
Four sets of chassis keys, with fobs, shall be provided. **COMPLY YES NO**
  
- 1.02.50X CHASSIS SPECIALS**  
The rear seat of the super cab shall be removed and a custom-built aluminum insert painted white shall be installed. The insert shall be divided into two equal sections, one on the passenger side, one on the driver's side, for mounting *customer-supplied* SCBA brackets and storage of bunker gear. Design shall match prior vehicle build. All cabling to console shall be run underneath insert.  
A *customer-supplied* box lantern shall be installed on passenger side of insert. **COMPLY YES NO**

**1.02.55X MISCELLANEOUS ELECTRICAL**

The OEM "Lock/Auto-lock" function shall be disabled.

COMPLY	YES	NO
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**1.02.60 CAB CONDUIT**

A 5.5" conduit shall be installed between the cab and module located behind the driver's seat. The driver's console harness shall be routed through the conduit.

COMPLY	YES	NO
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**1.03 MODULE-TO-CHASSIS MOUNTING SYSTEM**

**1.03.01 MODULE MOUNTING SYSTEM**

The module shall be bolted to the chassis frame in no fewer than twelve locations. Each mounting location shall include a hard rubber isolation pad between the chassis frame and the module lateral. The rearmost lateral(s) shall be connected to the frame extensions with 5/8" grade 8 bolts. All remaining laterals shall be connected with vertical 3/4" grade B7 eye bolts fastened to the frame rails with horizontal 3/4" grade 8 hex bolt.

COMPLY	YES	NO
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**1.03.02 CAB-TO-MODULE ATTACHMENT**

The module shall be connected to the cab with a flexible watertight boot to allow cab-body flex as designed by the chassis manufacturer. The chassis rear window shall be replaced by an aluminum insert covered with black-painted polyurea thermoplastic elastomer, with a 16"H x 16"W opening (3.04.01 related).

COMPLY	YES	NO
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## 2 MODULAR CONSTRUCTION

All material utilized shall be of the correct type, alloy, and thickness to withstand the intended usage and provide protection against cracking, corrosion, or metal fatigue. All materials utilized shall be of open stock origin, commonly available through local sources, for rapid and economical repair or modification of the body. Any use of proprietary parts or materials in the construction of the body is unacceptable, due to potential delays or difficulties in future repairs or service. **NO EXCEPTIONS TO BE TAKEN IN THIS AREA.** This specification has been designed and written to fill specific needs of this agency. Where brand name, make, or model of equipment has been specified, no exceptions will be allowed. Where compartment and cabinet sizes have been specified, bidder must bid substantially (plus or minus 1") the size specified.

The module shall have a transferable lifetime structural warranty.

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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### 2.01

#### **MATERIAL**

<b>EXTRUSIONS</b>	<b>SIZE</b>	<b>ALLOY</b>
Structural Tubing	1" x 2" x 0.125" sq.	6063-T52
Structural Tubing	2" x 2" x 0.125" sq.	6063-T52
Cross Members	3" x 3" x 0.375"	6061-T6
Cross Members	1.5" x 3" x 0.25"	6061-T6

<b>FORMED SHEETING</b>	<b>SIZE</b>	<b>ALLOY</b>
Skin/Roof/Compartments/Subfloors/Doors	0.125"	5052-H32
Interior Cabinets	0.090"	5052-H32
Diamond Plate	0.125"/0.08"	3003-H32
Stainless Steel	16 ga., 20 ga.	304 # 4B

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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### 2.02

#### **MODULE DIMENSIONS**

Overall Vehicle Dimensions: (Specifications are listed as minimums.)

Length:	25'	4.125"	(304.125")
Width:	8'	0"	( 96")
Height:	9'	5.625"	(113.625")

Exterior Module Dimensions: (Specifications are listed as minimums.)

Length:	12'	10"	(154")
Width:	8'	0"	( 96") Excluding Mirrors
Height:	7'	4.375"	( 88.375")

Interior Dimensions: (Specifications are listed as minimums.)

Length:	Forward Wall to Rear Doors	145"
Width:	Left Wall to Right Wall	91"
Floor Width:	Left Cabinets to Squad Bench	50"
Height:	Floor to Ceiling	72"

Load Height:	Ground to Floor Height	33.5" fully deflated
	Liquid suspension inflated (approx.)	38"

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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2.03

**STRUCTURAL FRAMING**

Sidewall and rear wall construction shall consist of 2" x 2" x 0.125" aluminum square tubing extensions welded together with a maximum of 14" centers. 1" x 2" x 0.125" aluminum tubing may be utilized in addition to 2" x 2" tubing to accommodate custom compartment sizes. The bottom of the wall structure shall be sealed with welded 2" x 2" tube, 2" x 2" angle, or 0.125" plate depending upon location. Wall structure shall be capped with 2" x 2" x 0.125" header upon which 2" x 2" x 0.125" roof structure is welded. This process provides a unitized roll cage structure for greater occupant safety. The front wall structure shall be constructed of a minimum of 1.250" x 3.875" x 0.125" formed aluminum channel to allow ample space for wiring raceways, heater A/C hoses, and cold air return duct.

**COMPLY**  **YES**  **NO**

2.04

**FOUNDATION SYSTEM**

Shall consist of a 0.125" aluminum sheet subfloor with foundation members securely welded under the subfloor. Members shall consist of six 3" x 3" x 0.375" structural angles, with two 0.250" x 1.5" aluminum members running lengthwise between the structural angles.

**COMPLY**  **YES**  **NO**

2.05

**MODULE SEAMS**

All body and compartment seams at or below floor level shall be full seam welded. The entire perimeter of the subfloor shall be completely sealed with a caulking material, creating watertight, dust-free module environment.

**COMPLY**  **YES**  **NO**

2.06

**EXTERIOR SKIN**

In addition to welding the exterior skin to structural framing, a Norton very high bond system shall be utilized full length on all wall and roof frame members. A polyurethane adhesive sealant shall be applied to the edges of structural tubing at the exterior wall surfaces.

The module shall be constructed utilizing full size sheet construction to minimize body seams. Seams above the passage doors and cab shall be minimal. There shall be no corner or mid body seams.

**COMPLY**  **YES**  **NO**

2.07

**MODULE ROOF**

In order to improve module strength and reduce roof seams the following roof system shall be utilized. The roof shall be seamed in the center, shall be crowned, have a 1.500" radius at the corners, and provide a weatherproof overlap of the aluminum side sheets 5.250" below the roof line. The roof shall be supported by positive contact between sidewall framing and roof framing. All seams on the roof surface shall be full seam welded on the outside and caulked on the inside. In order to avoid the possibility of paint and/or weld cracking, no extrusions shall be used in the exterior construction of the roof or corners of the vehicle.

A contoured, 3/8" aluminum plate, painted to match the module, shall be welded to the roof structure and project through the center of the roof to serve as anchorage for personal fall arrest equipment. The anchorage is designed and rated for a single person only.

**COMPLY**  **YES**  **NO**

**2.08X**

**MODULE EXTERIOR COMPARTMENTS**

All compartments are constructed from formed 0.125" aluminum and are securely welded to the subfloor and structural framing. A baffled drain hole shall be provided in all exterior compartment bottoms that extend below the floor line. All exterior adjustable shelves shall be mounted on heavy duty aluminum track which is securely welded to compartment interiors. Each shelf shall support at least 300 lbs. of equipment.

**COMPLY** **YES** **NO**

**COMPARTMENT #1**

**Interior Dimensions** – 52"W x 40.5"H x 20"D

**Doorway Dimensions** – 52"W x 40.5"H

**Location** – Streetside, front

**Shelving** – Two adjustable aft of divider

**Door(s)** – Double

**Light(s)** – Two vertical LED strip lights

**Additional Instructions** – The 120VAC Power Box shall be installed in the forward wall (Section 6.21 related), recessed so as not to protrude into the compartment.

Compartment shall have a fixed divider in the forward portion.

An inverter with perforated surround shall be installed in the forward section of this compartment. A filtered vent shall be added to the forward wall and a soffit vent shall be added to the back wall of the compartment, behind the inverter.

The aft door of compartment shall be tied to the amber "Door Ajar" warning light on driver's console, to warn if this door is not closed properly (Section 6.12X Related).

**COMPLY** **YES** **NO**

**COMPARTMENT #2**

**Interior Dimensions** – 23"W x 41"H x 20"D

**Doorway Dimensions** – 23"W x 41"H

**Location** – Streetside, rear

**Shelving** – None

**Door(s)** – Single

**Light(s)** – Two vertical LED strip lights

**Additional Instructions** – Compartment shall have a vertical divider (17"D). Storage, with a restraint strap, for a *customer-supplied-and-installed* stair chair shall be provided aft of the divider. A filtered air vent shall be installed on the aft wall.

**COMPLY** **YES** **NO**

**COMPARTMENT #3**

**Interior Dimensions** – 28"W x 77"H x 20"D

**Doorway Dimensions** – 28"W x 70"H

**Location** – Curbside, rear

**Shelving** – None

**Door(s)** – Single

**Light(s)** – One vertical LED strip light

**Additional Instructions** – Compartment shall have a fixed divider in the aft portion. A Zico Oxygen lift shall be installed in the forward portion of this compartment. Lift shall have a hand-held remote controller (Section 5.11X related).

Two backboard-restraining straps shall be installed in aft section. A formed stainless steel gasket cover shall be installed so that backboards do not cut gasket material.

A filtered air vent shall be installed on the aft wall.

**COMPLY** **YES** **NO**

**COMPARTMENT #4**

**Interior Dimensions** – 22.75"W x 69.25"H x 30"D

**Doorway Dimensions** – 22.75"W x 69.25"H

**Location** – Curbside, forward

**Shelving** – See interior cabinet #20

**Door(s)** –Single

**Light(s)** – One vertical LED strip light

**Additional Instructions** – This compartment shall provide inside/outside access to Cabinet #20 with a full width stainless steel threshold on the floor level shelf. There shall be storage located below the floor.

**COMPLY**    **YES**    **NO**

**2.09            MODULE DOORS**

The doors shall be box pan formed with a total thickness of 2".

**COMPLY**    **YES**    **NO**

**2.09.01A        DOOR FRAMES**

Each door frame shall have a flange for the installation of an air cell hollow core, 360-degree compression door seal. This seal creates watertight, dust-free compartment integrity. Door seal shall be knock-on type. Door frames shall be bonded to the adjacent tubes such that no exterior flange is required.

**COMPLY**    **YES**    **NO**

**2.09.02        DOOR HINGES**

Shall be full length, piano type, stainless steel hinges, 2.5" wide with a 0.25" pin. The hinges shall be attached with #12 x 3/4" stainless steel truss head screws spaced 4" apart. All curbside and streetside doors shall be hinged on the forward sides. All rear doors shall be hinged on the outboard sides.

**COMPLY**    **YES**    **NO**

**2.09.03        DOOR LATCHES**

Exterior door handles shall be semi-flush, cast aluminum, Eberhard E Grabber model 21100. Passage doors shall have release handles on the inside of each door. All exterior doors shall have rotary latches and striker posts that meet FMVSS 206 requirements. Striker posts shall be adjustable and shall be secured with a nut from behind the door frame. The striker washer shall not be removed. Doors greater than 45" tall shall have double rotary latches activated by stainless steel rods. Once final adjustments have been made, threads shall have Loctite or equivalent applied. All double-door compartments shall have an exterior E Grabber handle and rotary latches on each door. Doors shall latch to doorframe-mounted striker posts only and not to one another. Curbside passage and rear curbside doors shall have interior handles with dual-point, rod-actuated, rotary latch systems that are lockable inside and out. All locks shall be keyed J236.

Rear passage doors shall both have emergency release levers accessible from the inside of the module.

**COMPLY**    **YES**    **NO**

**2.09.04        COMPARTMENT DOOR CONTROL**

A heavy-duty, double spring door control capable of holding the door open at approximately a 90-degree angle on any road surface shall be installed at the top of each compartment door.

**COMPLY**    **YES**    **NO**



**2.09.05 CURBSIDE DOOR CONTROL**  
Shall be a heavy-duty, double spring door check installed at the top of the door. This door check will hold the passage door open at approximately a 90-degree angle on any road surface.

**COMPLY** YES NO

**2.09.06 REAR DOOR CONTROL**  
Shall be Cast Products “grabber” type hold-open devices with replaceable rubber catches.

**COMPLY** YES NO

**2.09.07 COMPARTMENT DOORSKINS**  
Shall be 0.080" bright aluminum diamond plate and be removable to service door hardware. Red/white 1.5" conspicuity tape shall be installed on the vertical edge of each door.

**COMPLY** YES NO

**2.09.08X ENTRANCE DOORSKINS**  
Shall be 0.080" bright aluminum diamond plate and be removable to service door hardware. Red/white 1.5" conspicuity tape shall be installed on the top, bottom, and vertical edges of the side passage door and curbside rear door. The streetside rear door shall have tape on the top and bottom edges.

**COMPLY** YES NO

**2.09.09X ENTRANCE DOORWAYS**  
One curbside and two rear module entrance doors shall be provided. The curb side doorway dimensions shall be 28"W x 73.75"H. The rear doorway dimensions shall be 49.75"W x 64"H.

**COMPLY** YES NO

**2.09.10 THRESHOLDS**  
All compartment and module access door frames shall have full width formed stainless steel threshold plates to protect the lower edge of frame.

**COMPLY** YES NO

**2.10X MODULE INTERIOR CABINETS**  
Shall be formed of 0.090" aluminum and shall be securely welded or mounted to the structural framing. All interior adjustable shelves shall be mounted on 1" wide aluminum track.

**COMPLY** YES NO

**CABINET #1**

**Dimensions** – 43.25"W x 13.75"H x 15.75"D

**Location** – Streetside, upper forward

**Shelving** – None

**Door(s)** – Two hinged clear polycarbonate with gas shock lift system and twist/slam latch and extruded aluminum door pulls.

**Additional Instructions** – An IV Warmer with surround shall be located in the aft portion. A 120VAC receptacle shall be installed on the back wall to supply power for the warmer (Section 6.21X Related).

An LED strip light shall be installed to underside of this cabinet for the action area (Cab #8).

**COMPLY** YES NO

**CABINET #2**

**Dimensions** – 21"W x 6.75"H x 8"D

**Location** – Streetside, over action area

**Shelving** – One adjustable.

**Door(s)** – Hinged clear polycarbonate with gas shock lift system and twist/slam latch and extruded aluminum door pulls.

**Additional Instructions** – None.

COMPLY	YES	NO
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**CABINET #3 – Glove Storage**

**Dimensions** – 20.875"W x 6.75"H x 8"D

**Location** – Streetside, upper middle

**Shelving** – None

**Door(s)** – Hinged-down, painted aluminum door with a twist/slam latch.

**Additional Instructions** – The cabinet shall be set up as glove storage for two boxes oriented horizontally.

COMPLY	YES	NO
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**CABINET #4**

**Dimensions** – 21"W x 6.75"H x 8"D

**Location** – Streetside, upper rear

**Shelving** – One adjustable

**Door(s)** – Hinged clear polycarbonate with gas shock lift system and twist/slam latch and extruded aluminum door pulls.

**Additional Instructions** – None

COMPLY	YES	NO
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**CABINET #5**

**Dimensions** – 21.25"W x 15.5"H x 20"D

**Location** – Streetside, middle rear

**Shelving** – One adjustable

**Door(s)** – Sliding, clear 0.177" acrylic with felt lined anodized aluminum track and full extruded aluminum door pulls

**Additional Instructions** – None

COMPLY	YES	NO
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**CABINET #6**

**Dimensions** – 21.25"W x 15.5"H x 20"D

**Location** – Streetside, middle rear

**Shelving** – One adjustable

**Door(s)** – Sliding, clear 0.177" acrylic with felt lined anodized aluminum track and full extruded aluminum door pulls

**Additional Instructions** – None

COMPLY	YES	NO
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**CABINET #7 – Attendant Seat Area**

**Location** – Streetside, aft

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – There shall be an EVS model #1782-06 attendant seat with a 6-point seatbelt harness. It shall be securely mounted to a low profile #SB-8S swivel base to allow seat to rotate to the forward position.

COMPLY	YES	NO
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**CABINET #8 – Action Area**

**Dimensions** – 63.5"W x 26.25"H

**Location** – Streetside

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – It shall contain an oxygen outlet, vacuum connection, suction collector, attendant control panel, inverter status panel, two 120VAC receptacles, and one Blue Sea dual USB port. A 2qt Sharps container and bracket shall be mounted on the back wall.

The entire action wall area shall be lighted utilizing an LED strip light, with ON/OFF switch in the attendant panel (Section 6.14X Related).

Full depth counter top shall be located below the action wall. The counter top shall be one-piece 16 ga, 304 stainless steel with a 0.5" aluminum retaining lip. Black “knock-on” trim shall be installed on lip in one continuous piece.

Three sets seatbelts shall be installed on the wall above counter top and set up for use with a stretcher patient (Section 5.14X Related).

**COMPLY**    **YES**    **NO**

**CABINET #9 – Radio Cabinet**

**Dimensions** – 8"W x 27.75"H x 10"D

**Location** – Front, behind attendant seat

**Shelving** – None

**Door(s)** – Hinged, painted aluminum door with a twist/slam latch.

**Additional Instructions** – This cabinet is intended for radio component storage and shall be supplied with access to electrical component panel. Antenna cables shall terminate in this cabinet. Cabinet shall be vented by louvers in the upper and lower portion of the door.

**COMPLY**    **YES**    **NO**

**CABINET #10 – Miscellaneous Storage**

**Dimensions** – 8"W x 25"H x 10"D

**Location** – Front, under Cabinet #9

**Shelving** – Two adjustable

**Door(s)** – None

**Additional Instructions** – Open storage for map books and miscellaneous.

**COMPLY**    **YES**    **NO**

**CABINET #11 – Glove Storage**

**Dimensions** – 19.25"W x 6.75"H

**Location** – Curbside, upper rear

**Shelving** – None

**Door(s)** – Bottom-hinged, painted aluminum with a twist/slam latch and two cut-outs.

**Additional Instructions** – This cabinet shall provide storage for two glove boxes in horizontal orientation (Section 5.32 related).

**COMPLY**    **YES**    **NO**

**CABINET #12 – Radio Panel**

**Dimensions** – 9"W x 14.15"H x 10"D

**Location** – Curbside, upper middle rear

**Additional Instructions** – Cabinet shall have 45 degree angle at aft end.

There shall be an attendant control panel and digital thermostat installed in this area. A *customer-supplied* remote radio head and headset, headset jack, and hook shall be installed on underside of this cabinet. Radio interface cable shall be installed, located behind closeout panel.

A *customer-supplied* Intercom System module shall be installed behind closeout panel, connected to *customer-supplied* radio remote head, wired ignition hot (Section 6.18X related).

**COMPLY** **YES** **NO**

**CABINET #13**

**Dimensions** – 17.5"W x 12.25"H x 10"D

**Location** – Curbside, upper middle forward

**Shelving** – None

**Door(s)** – Hinged, clear polycarbonate with gas shock lift system and twist/slam latch and extruded aluminum door pulls.

**Additional Instructions** – A closeout shall be installed in aft wall, to provide access to cabinet #12 (for radio installation purposes).

**COMPLY** **YES** **NO**

**CABINET #14 - MedVault**

**Dimensions** – 13"W x 12.25"H x 10"D

**Location** – Curbside, upper forward

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – A *customer-supplied* Knox MedVault2 shall be installed, with rivets, wired 12VDC circuit battery hot (Section 5.36X Related).

A 21"L LED strip light shall be installed to underside of this cabinet for the curbside action area (Cab #15).

**COMPLY** **YES** **NO**

**CABINET #15 – Action Area**

**Dimensions** – 21"W x 27.75"H

**Location** – Curbside

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – It shall contain an oxygen outlet, fifteen-minute rotary timer, electric step “Auto/Off” switch, 120VAC receptacle, and BlueSea dual USB port. A 1Qt sharps bracket model #295451 shall be provided and installed.

A 21"W, full depth counter top shall be located below the action wall. The counter top shall be one-piece 16 ga, 304 stainless steel with a 0.5" aluminum retaining lip. Black “knock-on” trim shall be installed on lip in one continuous piece. Countertop shall be reinforced for cardiac monitor use.

The action wall area shall be lighted utilizing an LED strip light, with ON/OFF switch in the attendant panel, Cabinet #12 (Section 6.13X and 6.14X Related).

**COMPLY** **YES** **NO**

**CABINET #16 – Attendant Seat Area**

**Location** – Curbside, aft

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – There shall be an EVS model #1782-06 attendant seat with a 6-point harness. It shall be securely mounted to a low profile SB-8S swivel base to allow seat to rotate to the forward position. A window shall be mounted on the back wall above the seat area.

COMPLY	YES	NO
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**CABINET #17 – HVAC**

**Dimensions** – 36.75"W x 16.5"H x 24.875"D

**Location** – Front, right upper

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – This cabinet shall house heater/AC unit and suction pump. Shall be vented through a vertical plenum on the aisle side of right front stack.

COMPLY	YES	NO
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**CABINET #18 – Electrical Cabinet**

**Dimensions** – 29.75"W x 13"H x 10"D

**Location** – Front, center over walk-thru

**Shelving** – None

**Door(s)** – Aluminum, hinged, swing up door with a hold-open device, a quarter turn slotted latch, and an automatic compartment light.

**Additional Instructions** – This cabinet shall house the electrical component module.

COMPLY	YES	NO
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**CABINET #19**

**Dimensions** – 19.75"W x 22.75"H x 10"D

**Location** – Front, forward of action area

**Shelving** – One adjustable shelf

**Door(s)** – Side-hinged polycarb door with twist/slam latch.

**Additional Instructions** – A seatbelt shall be installed on back wall, for use with a stretcher patient on the counter top (Section 5.14X related).

COMPLY	YES	NO
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**CABINET #20 – Inside/Outside Access**

**Dimensions** – 30.75"W x 55.5"H x 24.875"D

**Shelving** – Three adjustable, with 1" x 1" lip down facing doorway

**Door(s)** – Two webbed nets with quick release buckles on the right side

**Additional Instructions** – This cabinet shall be accessible from the outside via exterior Compartment #5.

A 120VAC receptacle and 12VDC receptacle shall be installed in the back wall.

COMPLY	YES	NO
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**CABINET #21 – Drawers**

**Dimensions** – 20"W x 23"H x 18"D

**Location** – Streetside, middle rear

**Additional Instructions** – Shall be three 16.125"W x 5"H x 17"D metal drawers. Each drawer shall operate on 18" slides rated at 300 lbs. per set and have a gas shock hold open/closed device to ensure that the drawer does not accidentally open or close during operation of the vehicle. The drawers shall be formed of aluminum construction with formed structural support on the sides and front of the drawer. The drawers shall have at least four dividers provided per drawer. Dividers shall be front to back for top two drawers and side to side for bottom drawer.

**COMPLY**    **YES**    **NO**

**CABINET #22 – Drawers**

**Dimensions** – 20"W x 23"H x 18"D

**Location** – Curbside, middle rear

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – Shall be three 16.125"W x 5"H x 17"D metal drawers. Each drawer shall operate on 18" slides rated at 300 lbs. per set and have a gas shock hold open/closed device to ensure that the drawer does not accidentally open or close during operation of the vehicle. The drawers shall be formed of aluminum construction with formed structural support on the sides and front of the drawer. The drawers shall have at least four dividers provided per drawer. Dividers shall be front to back for top two drawers and side to side for bottom drawer.

**COMPLY**    **YES**    **NO**

**2.11**

**SIDE DOORSTEP**

A recessed curbside side doorstep shall be provided which is 11.5" deep x 28" wide. There shall be a drain hole and an open grate step plate which is removable for cleaning purposes. Polished aluminum diamond plate kick panel will be installed on the sides and face of doorstep.

**COMPLY**    **YES**    **NO**

**2.13X**

**CAB TO MODULE PASSAGE**

Shall be a pass-thru measuring 24.25"W x 17"H.

**COMPLY**    **YES**    **NO**

### **3 COATINGS AND FINISHES**

#### **3.01 MODULE FINISH PREPARATION**

The module shall be seam sealed and all imperfections on aluminum surfaces of module shall be sanded smooth. The entire exterior shall be mechanically etched and washed with wax and grease remover to ensure proper primer and paint adhesion.

**COMPLY** YES NO

#### **3.02 MODULE PRIMER**

Module shall be primed with urethane primer prior to applying the finish coat of acrylic urethane paint.

**COMPLY** YES NO

#### **3.03 PAINT TYPE**

Shall be Sherwin Williams acrylic urethane.

**COMPLY** YES NO

#### **3.04X COLOR SCHEME**

Base color: White SW #GLV-33631 Alt 2

**Stripe #1** Color: Red  
Width: 8"  
Style: Beltline  
Material: Scotchlite  
Location: Sides of module and chassis

**COMPLY** YES NO

**Stripe #2** Color: Red  
Width: 3"  
Style: Straight with heartbeat  
Material: Scotchlite  
Location: Sides of module and chassis

**COMPLY** YES NO

**Stripe #3** Color: Black  
Width: 0.25"  
Style: Pin stripe  
Material: Scotchlite  
Location: Above and below stripes #1 and #2

**COMPLY** YES NO

**Stripe #4** Color: Red #983-72 and Fluorescent Green #983-23  
Width: 6"  
Style: Diagonal stripes alternating between the two colors  
Material: 3M diamond grade  
Location: Rear of Module

**COMPLY** YES NO

3.05

**LETTERING/DECALS**

**Item #1**      Lettering:      “JACKSON HOLE” arched  
                  Font:            Burling Bold  
                  Color:            Imitation Gold Engine Turn with Black outline  
                  Size:            6"H x 68.5"L  
                  Material:        Vinyl  
                  Location:        Streetside of module

**COMPLY**      **YES**      **NO**

**Item #2**      Lettering:      “FIRE/EMS”  
                  Font:            Burling Bold  
                  Color:            Imitation Gold Engine Turn with Black outline  
                  Size:            6"H x 42"L  
                  Material:        Vinyl  
                  Location:        Streetside of module

**COMPLY**      **YES**      **NO**

**Item #3**      Lettering:      “JACKSON HOLE” arched  
                  Font:            Burling Bold  
                  Color:            Imitation Gold Engine Turn with Black outline  
                  Size:            3"H x 23"L  
                  Material:        Vinyl  
                  Location:        Curbside of module above window

**COMPLY**      **YES**      **NO**

**Item #4**      Lettering:      “FIRE/EMS”  
                  Font:            Burling Bold  
                  Color:            Imitation Gold Engine Turn with Black outline  
                  Size:            3"H x 14"L  
                  Material:        Vinyl  
                  Location:        Curbside of module above window

**COMPLY**      **YES**      **NO**

**Item #5**      Lettering:      “PARAMEDICS”  
                  Qty:            (2)  
                  Font:            Burling Bold  
                  Color:            Imitation Gold Engine Turn with Black outline  
                  Size:            3"H x 31.25"L  
                  Material:        Vinyl  
                  Location:        Cab doors

**COMPLY**      **YES**      **NO**





3.07

**INTERIOR CABINETY FINISH**

All interior cabinetry shall be sanded, etched, washed, primed, coated with textured polyurea thermoplastic elastomer finish, and painted white with light gray splatter paint (GLV -33631 Alt 2 / GLV -51748).

All shelves and trays shall be sanded, etched, washed, primed, and painted white with light gray splatter paint (GLV -33631 Alt 2 / GLV -51748).

**COMPLY**  **YES**  **NO**

3.08

**MODULE UPHOLSTERY**

Shall be Spradling Perform 60 vinyl, Dove Gray, and be seamless.

**COMPLY**  **YES**  **NO**

3.09

**MODULE FLOORING MATERIAL**

Shall be Genome (#TFM2702) Altro Transflor Meta Slip-Retardant Sheet flooring providing durability, ease of maintenance, and stain resistance. It shall contain a high concentration of microscopic aluminum oxide particles and colored quartz crystals suspended throughout the thickness with silicon carbide grains in the entire wear surface for slip-retardant performance. It shall have a bacteriostat incorporated to give flooring excellent anti-bacterial activity and an overall thickness of 0.11" nominal. Flooring shall be manufactured for Wear Resistance to meet ASTM C 501, indentation resistance in accordance with ASTM F 1303 and ASTM F 970, Grade 1 standards, shall meet ASTM D 2047 Slip Retardant, ASTM F 970 Static Load, ASTM E648, CMVSS, FMVSS 302, CAN ULC S102.2 Fire Data Tests. It shall be seamless and cove up the sidewalls a minimum of 5" as a seal.

An insulated floor shall be installed over the subfloor. It shall be constructed with square tubing (0.75" x 0.75" x 0.063"), filled with 0.75" thick polyiso foam insulation, and covered with 0.125" aluminum sheet. (Section 2.04 related)

**COMPLY**  **YES**  **NO**

3.10X

**COMPARTMENT LINING**

Compartment floors shall be lined with light gray Mate'flex material and all shelves with easy sweep mat; excluding Cabinet #20 in right front stack.

**COMPLY**  **YES**  **NO**

3.11

**CABINET LINING**

Interior cabinet shelves shall be lined with easy sweep mats which are removable for ease of cleaning.

**COMPLY**  **YES**  **NO**

3.12

**SURFACES AND FINISHES**

All surfaces and finishes shall be impervious to soap, disinfectants, and water, to permit washing and sanitizing.

**COMPLY**  **YES**  **NO**

3.13

**AUTOMOTIVE UNDERCOATING SEAL**

The module underbody (excluding the area above the fuel tank, driveline, and exhaust lines, per manufacturer's specifications) shall be sprayed with undercoating for reduced corrosion and added sound deadening.

**COMPLY**  **YES**  **NO**

**3.14X**

**PLACARD/PLACARD HOLDER**

Two placard holders shall be provided. Placard holders shall be made of formed stainless steel, approximately 7.25"H x 12"W. The placard holders shall be mounted one each – centered with “MEDIC” lettering on curbside, and on streetside of module, aft of “MEDIC” lettering.

<b>COMPLY</b>	<b>YES</b> <input type="checkbox"/>	<b>NO</b> <input type="checkbox"/>
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## **4                    MODULE EXTERIOR**

### **4.01X            STEP/BUMPER**

Shall be a welded construction of 3" x 3" x 0.375" aluminum angle and 2" x 0.250" plate and shall be covered by 0.125" bright aluminum diamond plate. The center section, below the doors, shall have grip strut open flow design to prevent accumulation of water and snow and provide a 7" step. The outer corners of bumper shall be squared off. Bumper shall be 93"W and extend to width of module. Diamond plate shall be formed on front and rear edges for channel type strength and a formed 0.090" aluminum close out shall be welded to the underside of the step/bumper. The bumper shall be bolted directly to the chassis frame using high strength Grade 5 bolts. Bumper shall be easily removable and replaceable in case of damage. Step/bumper to be designed to accommodate a "one-person style" cot.

**COMPLY    YES    NO**

### **4.02A            RUB RAILS**

Shall be bright finished extruded aluminum of a double channel design and 0.125" wall thickness for maximum strength. Rub rails shall be 2.5" high x 0.75" wide and run along the lower edge of body, interrupted only by wheel well opening.

A red/white conspicuity reflective tape shall be installed in the insert area of the rub rail.

**COMPLY    YES    NO**

### **4.03              FENDER RINGS**

Shall be installed on the module. They shall be bright polished aluminum with a rounded outer edge following the full contour of the wheel well opening.

**COMPLY    YES    NO**

### **4.04              DRIP RAILS**

Shall be extruded, anodized aluminum running full length of module at top of sides, front, rear and over each exterior compartment. Drip rails shall be installed with bonding tape that will withstand exposure to the elements. They shall be installed to allow easy replacement without the use of mechanical type fasteners, and finished with 45 degree angled ends to avoid hooking materials which brush against the vehicle causing damage.

**COMPLY    YES    NO**

### **4.05X            ROCK GUARDS**

Made of bright aluminum diamond plate shall cover front module corners 24" up from bottom of body, 2.5" down the side of body, and 15" across the front of the body.

Two Whelen #20C0CDCR 4" LED lights shall be installed with rubber grommets on the front of the module one per side, wired ignition hot. The lights shall illuminate the running boards when the cab doors are ajar.

**COMPLY    YES    NO**

### **4.06              REAR KICK PANEL**

Made of bright aluminum diamond plate shall extend from top of rear step to the bottom of rear doors, full width formed around corners, and 2.5" forward on each side.

**COMPLY    YES    NO**

4.07

**FUEL FILL**

Shall be on the streetside of the module and have a polished cast aluminum fill well and be properly vented. All fuel filler hoses will be protected with a 0.125" aluminum protection plate. Fuel fills shall be installed in accordance with Body Builder's recommendation.

A fill shall be provided for the DEF tank.

**COMPLY**  **YES**  **NO**

4.08X

**MODULE WINDOWS**

Shall have black anodized aluminum frames, rubber gaskets, and be attached with screws for ease of replacement. All module windows to be "Solar Cool Bronze" mirror finish.

The side door window shall be 18.75" x 18.75" with sliding glass, a positive catch, and a screen. The rear door windows shall be 18.75" x 18.75" fixed glass to prevent exhaust from entering the module.

The curbside module window shall be 18.75" x 37.5" with sliding glass, a positive catch, and a screen. It shall be installed above the curbside seat.

**COMPLY**  **YES**  **NO**

4.09A

**FUEL SPLASH GUARD**

Shall be made of stainless steel and shall be installed below the fuel fill.

**COMPLY**  **YES**  **NO**

4.16A

**LICENSE PLATE HOLDER**

A recessed license plate holder with dual LED lights shall be installed below rear doors.

**COMPLY**  **YES**  **NO**

4.17X

**STEP, ELECTRIC**

A single step shall be provided and mounted under the curbside door. It shall be a Zico VS-24-11 and shall be wired to open and close with the side door. An Auto/Off switch shall be installed just inside the curbside door to disable automatic operation.

**COMPLY**  **YES**  **NO**

## **5** **MODULE INTERIOR**

All interior hangers, supports, fasteners, latches, and hinges shall be of a near flush type design when not in use. The patient compartment shall be free of sharp projections. Exposed edges and corners shall be broken with a radius, chamfer, or covered with aluminum trim, plastic molding, or rubber edging.

**COMPLY** **YES** **NO**

### **5.01** **UPPER WALL COVERING**

Shall be covered with light gray heavy grade 0.125" ABS vinyl. All panels shall be attached with a Norton very high bond system.

**COMPLY** **YES** **NO**

### **5.02** **HEADLINER**

Shall be a durable fiber-reinforced panel, 0.09" thick, with a textured, non-porous white surface.

**COMPLY** **YES** **NO**

### **5.03** **HEAD PADS/CUSHIONS**

Head pads located over all module access openings and seat backs shall be 1" high-density foam covered with heavy-duty vinyl matching upholstery (Section 3.08 related).

**COMPLY** **YES** **NO**

### **5.04** **LOWER WALL COVERING**

The lower portion of the streetside and curbside wall shall be nonporous, color-coordinated material.

**COMPLY** **YES** **NO**

### **5.05** **GRAB RAIL**

Two 75"L x 1.250"D stainless steel grab rail with three support brackets shall be securely mounted to roof structural framing running down either side of the cot.

**COMPLY** **YES** **NO**

### **5.06X** **ACCESS DOOR GRAB RAILS**

Each module access door (rear and side) shall have a 1.250" "L" style stainless steel grab handle which may also be used as an entry assist rail. An 18" grab rail shall be installed inside the curbside passage door on the aft wall at an angle.

There shall be an 18" grab rail mounted aft of exterior curbside door. Two 18" grab rails shall be installed on aft walls, just inside the rear doors.

**COMPLY** **YES** **NO**

### **5.07** **IV HANGERS**

Two retractable dual IV hangers with stabilizers shall be near flush mounted in the ceiling over the primary cot; one streetside and one curbside.

**COMPLY** **YES** **NO**

### **5.08B** **COT MOUNT**

A *customer-supplied* Stryker PowerLOAD cot fastener system #6390 shall be installed. Set up for Stryker Cot Model #MX Power Pro. A *customer-supplied* safety hook shall be installed.

**COMPLY** **YES** **NO**

**5.10X**

**ATTENDANT SEAT**

A rear facing high-back bucket seat with a built in child safety seat and upholstered with heavy grade vinyl shall be located at the head of the cot position and provide easy access to all action wall controls and outlets, and to the patient. Seat shall swivel and be securely anchored on a swivel base with a 3-point safety belt.

Two EVS model #1782-06 seats shall be securely mounted to low profile swivel bases model SB-8S and installed one on the curbside in cabinet #16, and one on the streetside in cabinet #7. Seat shall have a 6-point seatbelt harness. The seats shall have three locking positions (Section 2.10 related).

COMPLY	YES	NO
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**5.11**

**OXYGEN SYSTEM**

The entire oxygen system to be assembled with certified Oxygen hose (1000 PSI burst strength) with brass fittings, pressure tested, and certified. Ohio type outlets shall be installed in the following locations: one in action area, one in ceiling above primary patient, and one in the curbside wall action area.

A 50 PSI regulator and one OXYGEN tank wrench shall be included.

A Zico Oxygen lift system Model #QR-OTSL-US (with hand-held remote) to be installed in Compartment #3. System designed for an "H" cylinder. A hand-held remote shall be mounted on the aft wall of the compartment near the door frame.

COMPLY	YES	NO
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**5.12**

**SUCTION PUMP**

The unit shall have an electric pump as the source of suction. Control shall be on the streetside attendant panel. Suction pump shall be vented to the outside of the vehicle under the module body.

COMPLY	YES	NO
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**5.13**

**SUCTION COLLECTOR**

A Rico Model RS4X-1001B suction collector with disposable canister shall be installed in the Action Area.

COMPLY	YES	NO
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**5.14X**

**SEATBELTS**

Shall be DOT certified and shall be installed with all passenger seating. The attendant seat shall have a 3-point seat belt.

Two EVS model #1782-06 seats with a 6-point seatbelt harness shall be installed one on the streetside in cabinet #7 and one on the curbside in cabinet #16.

Shall have three sets installed on action area countertop, and one in cabinet #19, set up for use with a stretcher patient.

COMPLY	YES	NO
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**5.16**

**INSULATION**

The module side, ends, roof, doors, and floor shall be insulated to enhance the interior environment and to restrict heat, cold, and external noise from entering the module. The insulation shall be a non-settling foam plank material of 2", 1.5", or 0.75" thickness depending upon location and available space.

Roof, doors, wall, and floor insulation shall be polyisocyanurate.

In addition, a closed-cell polyurethane tape with ultra-high-bond acrylic adhesive shall be utilized on the sidewalls and roof to provide a thermal and noise break between the outside skin and structural members. A 3" wide, 60-mil tape shall be used as a thermal break on the inside surface of the roof and wall tubes.

COMPLY	YES	NO
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**5.17A**            **MODULE CLIMATE CONTROL SYSTEM**  
Shall incorporate a combination heating/air conditioning unit with 36,000 BTU heating and 32,000 BTU cooling. The unit shall have a 580CFM fan and have controls independent of the cab system. The module system shall be controllable by a digital thermostat located on cabinet #12 faceplate.  
Four vents shall be installed in a vertical plenum on the aisle side of right front stack, spaced evenly. Insulate duct with 0.125" insulate material.  
A 12VDC water pump shall be installed to increase the heating capacity and efficiency of the system.

**COMPLY**    **YES**    **NO**

**5.18**            **EXTERNAL AIR INTAKE**  
To supplement heated or cooled air with fresh air, an external air intake shall be provided. The intake shall consist of a chrome vent on the right front of the module. The interior shall utilize louvers to prevent collection of moisture.

**COMPLY**    **YES**    **NO**

**5.19**            **AIR RETURN**  
Designed into the front right bulkhead wall shall be an air return which runs from the floor level to the heater A/C unit. The air return vent shall have formed louvers.

**COMPLY**    **YES**    **NO**

**5.20X**           **EXHAUST VENT**  
A motor-powered exhaust vent shall be located in the streetside rear corner of the module. An InPower SPC311 module shall be installed to control 3-way switching between the two attendant panels (Section 6.13X Related).

**COMPLY**    **YES**    **NO**

**5.21**            **NO SMOKING/FASTEN SEAT BELTS SIGNS**  
Two NO SMOKING/FASTEN SEATBELTS signs shall be installed – one each for driver's area and module.

**COMPLY**    **YES**    **NO**

**5.26X**           **SHARPS/HAZARDOUS WASTE CONTAINERS**  
One 2Qt sharps container with bracket shall be installed on the streetside action wall, to left of suction unit.  
One 1Qt Sharps bracket, model #295451, shall be installed on the curbside action area adjacent to oxygen outlet.  
One 7Qt waste container and bracket shall be installed on curbside wall of walk-thru.

**COMPLY**    **YES**    **NO**

**5.29X**           **OXYGEN WINDOW**  
Shall be a clear, 6" x 10", acrylic window. The window shall have a knob and be mounted with self-closing hinges. Foam trim shall be installed on window opening.

**COMPLY**    **YES**    **NO**

**5.36X**           **MED SAFE/MED VAULT**  
A 12VDC *customer-supplied* Knox MedVault2 wired battery hot shall be installed with rivets in Cabinet #14.

**COMPLY**    **YES**    **NO**



## **6 ELECTRICAL**

All added body and chassis electrical equipment shall be served by circuits separate and distinct from the vehicle chassis circuits. All vehicle wiring shall be copper and conform to all SAE J1128 requirements. The wiring shall be colored, numbered, and function coded every 3" for permanent identification and correspond with the vehicle schematics. Solderless, insulated connectors shall be used. Wiring panduit shall be used in power component module to ensure air circulation throughout power component wiring. The wiring shall be routed in conduit or looms and wiring shall be secured to the underbody or frame with insulated metal cable straps. All power distribution cabling shall be covered with a protective split loom. Where wiring passes over the exhaust, a heat shield shall be installed. The power component module shall be equipped with positive locking plugs to provide easy disconnect for remount or repair of body. All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated to carry 125% of the maximum ampere load for which the circuit is protected.

**COMPLY** **YES** **NO**

### **6.01 OVERLOAD PROTECTION DEVICES**

Body electrical wiring shall utilize overload protective devices of the automotive circuit breaker type. In addition, one single pole, 20 amp circuit breaker shall be provided for future use. The circuit breakers, relays, and other electrical items shall be located in the enclosed power component module.

**COMPLY** **YES** **NO**

### **6.02 VOLTMETER/AMMETER**

Shall be a single digital display, located in the driver's console, which displays voltage and alternator current when the ignition is on. Display flashes to indicate low voltage.

**COMPLY** **YES** **NO**

### **6.04 IGNITION CONTROL**

Chassis electrical circuits will be controlled by ignition switch as provided by the OEM chassis manufacturer. The auxiliary chassis related functions shall be powered by one 100 amp continuous duty solenoid (rear heater/air conditioner, siren, spot light, etc.).

**COMPLY** **YES** **NO**

### **6.05A MODULE POWER**

Shall be controlled by a console-mounted switch which activates one 100 amp continuous duty solenoid located in the power component module.

**COMPLY** **YES** **NO**

### **6.06 WIRING ACCESS**

All cabinets at ceiling level shall have removable backs which are screwed in place for access to harnesses. Stack cabinets shall have removable panels for wiring and hose access.

**COMPLY** **YES** **NO**

### **6.07X BACK-UP ALARM**

An ECCO self-adjusting back-up alarm, model #SA907N, shall be installed and have a momentary disable switch in the driver's console. If disabled while in reverse, backup alarm shall automatically reset when shifted out of reverse. The alarm shall automatically adjust sound level.

**COMPLY** **YES** **NO**

6.08

**SERVICE LOOP**

A 6" service loop of wire or harness shall be provided at all electrical components, terminals, and connection points.

**COMPLY YES NO**

6.09X

**DRIVER'S CONSOLE**

Installed between the seats and made of formed aluminum, with black powder coating. It shall have a custom-designed switch panel with the following layout, arm rests, and a map holder with adjustable dividers that are mill finished aluminum. Two (2) cup holders shall be installed at forward end of mapbox section. A reinforced blank plate shall be installed above the custom switchplate for a customer-supplied-and-installed MDT mounting bracket.

Console shall be installed as far forward as possible. A map light installed in the upper right corner (Section 6.11 Related).

**COMPLY YES NO**

**SWITCHES**

- |                                   |                          |
|-----------------------------------|--------------------------|
| 1. Emergency Master (battery hot) | 8. Left Scene            |
| 2. Primary/Secondary              | 9. Right Scene           |
| 3. Blank                          | 10. Rear Scene           |
| 4. White Light                    | 11. Blank                |
| 5. Blank                          | 12. USB Dual Charge Port |
| 6. Spare                          | 13. Module Disconnect    |
| 7. Back-Up Disable                |                          |

**OTHER:**

Voltmeter/Ammeter

Passage Door (Red) Open Warning Light

Compartment Door (Amber) Open Warning Light

Siren Head

*Customer-supplied* radio speaker (front of console)

*Customer-supplied* flashlight charger bases (aft wall of console)

**COMPLY YES NO**

6.10X

**SWITCHES**

Shall be LED lighted rocker type switches and permanently marked by function. One (1) spare switch shall be provided.

**COMPLY YES NO**

6.11X

**MAP LIGHT**

A 18" red/clear (CA-0130) light with on/off switch on lighthouse, shall be mounted on the right front corner of the console.

**COMPLY YES NO**

6.12A

**DOOR AJAR WARNING LIGHT(S)/BUZZER**

Shall be installed on the driver's console. A red flashing light shall warn the driver of open passenger access doors and an amber flashing light shall warn the driver of open exterior compartment doors. The lights shall flash and buzzer shall sound only if the vehicle is placed in gear while doors are open.

The aft door of compartment #1 (streetside forward) shall be tied to the amber flashing light (which warns the driver of open exterior compartment doors).

**COMPLY YES NO**

**6.13A**

**ATTENDANT CONTROL PANEL**

Shall be located in the action area. Panel shall include one row of LED switches, as follows:

- 1. Left Dome
- 2. Right Dome
- 3. Vent
- 4. Aspirator
- 5. Attendant light
- 6. Blank

An inverter status panel shall be located adjacent to the attendant control panel. An InPower module shall be installed to control the 3-way switching for vent and dome lights.

**COMPLY**    **YES**    **NO**

**ATTENDANT CONTROL PANEL**

Shall be located in cabinet #12. Panel shall include one row of LED switches, as follows:

- 1. Left Dome
- 2. Right Dome
- 3. Vent
- 4. Blank
- 5. Attendant light
- 6. Blank

A digital thermostat shall be located adjacent to the attendant control panel.

**COMPLY**    **YES**    **NO**

**6.14X**

**ACTION WALL AREA LIGHTING**

Both action wall areas shall be lighted utilizing an LED strip light, with ON/OFF switch in the attendant panel. (Streetside light shall have switch in streetside attendant panel and curbside light shall have switch in the curbside attendant panel) (Section 6.13X Related). Streetside LED strip light shall be installed on underside of cabinet #1; curbside strip light shall be installed on underside of cabinet #14.

**COMPLY**    **YES**    **NO**

**6.15X**

**STEPLIGHTS**

The side access door step well shall have a Whelen #20C0CDCR 4" White LED light.

**COMPLY**    **YES**    **NO**

**6.16X**

**MODULE INTERIOR LIGHTING**

Shall be designed to keep vehicle height to a minimum without interfering with the structural integrity of the roof. Module interior lighting shall consist of eight (8) Whelen #80C0EHCR dual intensity LED recessed lights – one (1) bank of four (4) lights shall be positioned toward streetside and four (4) lights toward curbside. There shall be a switch for each bank of lights on the streetside and curbside action walls.

The four (4) lights on the curbside shall be automatically activated when the rear or side doors are opened. The curbside dome lights shall be controlled by a fifteen (15) minute rotary timer mounted inside the curbside passage door. The timer shall be wired to continuous battery power.

An InPower module shall be installed to control 3-way switching between the two attendant panels (Section 6.13X Related).

**COMPLY**    **YES**    **NO**

**6.17X**

**BASIC EXTERIOR LIGHTING**

Shall include headlights, parking lights, directional signal lights, tail and stop lights, license plate light, back-up lights, side marker lights, hazard and warning lights, and clearance lights as required by FMVSS 108.

Module clearance and side marker lights shall be LED Truck-Lite LED Model 36.

Two (2) LED Whelen #70BTT stop/tail lights, two (2) LED Whelen #70A00TAR turn arrows, and two (2) Whelen #70C00WCR LED back-up lights shall be installed on the module rear, one (1) set each on each side of the vehicle. Lights shall be installed with flanges.

Two (2) LED Whelen #70A00TAR turn arrows shall be installed on the front of the module, with flanges.

**COMPLY**  **YES**  **NO**

**6.18X**

**COMMUNICATIONS EQUIPMENT**

The customer shall be responsible for powering up and tuning of the radio equipment.

**Item #1** Description: One 12 ga. power and ground for *customer-supplied-and-installed* MDT. Shall be wired ‘battery hot’.  
Location: Install in the driver’s console.

**COMPLY**  **YES**  **NO**

**Item #2** Description: One *customer-supplied* Motorola APX6500 dual remote head radio, with speaker and headset.  
Location: Transceiver shall be installed in the radio cabinet (#7). Install one remote head (with speaker located on console) on OEM dash with bracket and one remote head with headset on the underside of cabinet #12. Radio interface cable shall be installed behind closeout panel in cabinet #12.

**COMPLY**  **YES**  **NO**

**Item #3** Description: A *customer-supplied* Intercom System module (Model #106-0270-10). Shall be connected to *customer-supplied* radio remote head and wired ignition hot.  
Location: Install behind closeout panel in cabinet #12.

**COMPLY**  **YES**  **NO**

**6.19X**

**ANTENNA MOUNTS AND CABLES**

One NMO and one customer-supplied antenna mounts and cables shall be installed. Antenna base access shall be through the dome light openings, and the cables shall terminate one at *customer-supplied* radio and one in the radio cabinet (#7).

**COMPLY**  **YES**  **NO**

**6.20**

**BLOCK HEATER**

A block heater, with On/Off switch in 120VAC power box, shall be wired to the 120VAC shorepower system and shall be circuit protected (Section 1.01.02 related).

**COMPLY**  **YES**  **NO**

**6.21X**

**120VAC/SHORELINE CIRCUIT BOX**

Utility power shall be furnished from 120VAC shorepower via Kussmaul 20 amp Super Auto-Eject plug with a green indicator light on a stainless steel plate located on the driver's side of vehicle and distributed via a formed 0.125" aluminum power box recessed into the streetside front compartment. Power box shall be flush mounted so as to maximize compartment size and shall have an easily removable cover. A 20-amp twist-lock to auto eject adapter shall be provided and shipped loose (Section 8.01 Related).

The box shall contain three 120VAC duplex receptacles and one 120VAC duplex GFCI receptacle.

The receptacles shall distribute power to:

- Inverter (which feeds interior/exterior 120VAC (receptacles, IV warmer, etc.))
- Block heater

Two breakers shall be installed, one for protection of the block heater receptacle, the other for protection of the other 120VAC receptacles.

All exposed receptacles outside of the power box shall be ground fault circuit interrupting (GFCI) and shall have a power on indicating light.

Six interior 120VAC duplex GFCI receptacles shall be mounted:

- One in Cabinet #1, to supply power to the IV Warmer
- Two in Streetside Action Area, Cabinet #8
- One in Curbside Action Area, Cabinet #15
- One in Cabinet #20, right front stack
- One in streetside upper rear corner (for use with IV Pump)

**COMPLY**    **YES**    **NO**

**6.22**

**BATTERY GROUNDS**

In addition to OEM grounds, the following ground circuits shall be added: 4 ga. ground cable from module power component panel to frame, two braided ground straps from the module body to the chassis to reduce RF interference.

**COMPLY**    **YES**    **NO**

**6.23**

**BATTERY CHARGER**

A 50-amp battery charger shall be provided as part of Magnum Pure Sine 1000 inverter system (Section 6.31 related).

**COMPLY**    **YES**    **NO**

**6.25X**

**12VDC RECEPTACLES**

One 12VDC, 15-amp lighter-style power point receptacles shall be provided:

- One in Cabinet #20, right front stack

Receptacles shall be powered continuously.

Three (3) Blue Sea dual USB ports shall be provided and installed:

- One in streetside action area, cabinet #8
- One in curbside action area, cabinet #15
- One switch-insert style in driver's console

Receptacles shall be powered continuously.

**COMPLY**    **YES**    **NO**

**6.26**

**COMPARTMENT LIGHTING**

An LED strip light shall be installed in all outside compartments and shall be activated by a door switch.

**COMPLY**    **YES**    **NO**

**6.27**                    **EXTERIOR DOOR SWITCHES**  
Shall be 1/2" mechanical door switches.

**COMPLY**    **YES**    **NO**

**6.30**                    **EMERGENCY WARNING SYSTEMS**

All emergency lighting shall be on in "Primary" mode; "Secondary" mode shall be the grille lights, intersection lights, and the amber flasher over the rear doors.  
Emergency Master shall be wired "battery hot".

**COMPLY**    **YES**    **NO**

**6.30.01A**            **FRONT FLASHERS**

Lights from curbside to streetside: Red/Blue/Red/Clear/Red/Blue/Red.  
Four Whelen #70R02FCR Clear lens Red Super LED flashers with 7EFLANGE shall be installed on the front of the module.  
Two Whelen #70B02FCR Clear lens Blue Super LED flashers with 7EFLANGE shall be installed on the front of the module.  
One Whelen #70C02FCR Clear lens Clear Super LED flasher with 7EFLANGE shall be installed on the front of the module.

**COMPLY**    **YES**    **NO**

**6.30.03C**            **FLASHERS**

Four Whelen #70R02FCR Clear lens Red Super LED flashers with 7EFLANGE shall be mounted two on each side of module in upper corners.  
Four Whelen #70BR6FCR Clear lens Red/Blue Split Super LED flashers with 7EFLANGE shall be mounted on the rear of the module two in the upper corners and two at window height. Lights shall be installed with red split outboard.  
One Whelen #70A02FCR Clear lens Amber Super LED flasher with 7EFLANGE shall be installed on the rear of the module centered over the rear doors.

**COMPLY**    **YES**    **NO**

**6.30.04X**            **SCENELIGHTS**

Six parabolic LED scenelights, Whelen Model #70C0ELZR with 7EFLANGE, shall be mounted two on each side and two on the rear of the module above the doors. The scenelights shall be flush mounted and have internal optics to deflect the light down at 8-32 degree angles.  
The side door shall activate the curbside scenelights. The rear scenelights shall activate when rear doors are opened or when vehicle is placed in "Reverse".

**COMPLY**    **YES**    **NO**

**6.30.05**            **SPOTLIGHT**

A 400,000cp hand-held spotlight shall be hard wired into the console and have a hanging clip.

**COMPLY**    **YES**    **NO**

**6.30.06X**            **INTERSECTION LIGHTS**

Four Whelen #70BR6FCR Clear lens Red/Blue Split LED with 7EFLANGE intersection lights shall be installed, one on each fender and one above each wheel well. Lights shall be installed blue split forward and red split aft.

**COMPLY**    **YES**    **NO**

- 6.30.08A GRILLE LIGHTS**  
 Shall be four Whelen TIR6 #50RB3ZCR Clear lens Red/Blue Split LED with 5TSMAC flange. Lights shall be installed with blue split towards streetside.  
**COMPLY YES NO**
- 6.30.09X SIREN**  
 Shall be Whelen #295SLSC1, 200 watt with detachable mic. Siren options to include radio, horn, manual, wail, yelp, and phaser. The hands-free siren function shall be wired to the vehicle horn ring.  
**COMPLY YES NO**
- 6.30.10A SIREN SPEAKERS**  
 Shall be a Cast Products model SA3800 “In-the-Bumper” Mount System with two 100-watt speaker drivers.  
**COMPLY YES NO**
- 6.30.11 SEQUENTIAL SWITCHING SYSTEM**  
 A Kussmaul sequential switching system shall be installed to control emergency lighting.  
**COMPLY YES NO**
- 6.31A INVERTER**  
 Shall be a Magnum Pure Sine 1000 watt inverter with a 50 amp battery charger installed in Compartment #1. A remote inverter status panel shall be installed adjacent to the streetside attendant panel. System shall be installed to turn on and off with ignition.  
**COMPLY YES NO**
- 6.35A IV WARMER**  
 A 120VAC fluid warmer with surround shall be installed in Cabinet #1. The warmer will be thermostatically controlled at 95 to 105 degrees F. Space for ten one-liter bags of fluids shall be provided.  
 A 120VAC receptacle shall be installed on back wall of cabinet to supply power to the warmer.  
**COMPLY YES NO**
- 6.40X ELECTRIC DOOR LOCKS**  
 Shall be installed on all compartment and module access doors. The module door locks shall be wired to the cab doors. Two extra fobs shall be provided. A hidden unlock switch shall be installed in chassis grille.  
**COMPLY YES NO**
- 6.45X ADDITIONAL LIGHTING**  
 A 12VDC *customer-supplied* box lantern wired battery hot shall be installed on passenger side of SCBA bracket in the cab, in back outboard corner (Section 1.02.50 related).  
 A *customer-supplied* flashlight with 12V charging base wired ‘battery hot’ shall be installed on aft wall of driver’s console (Section 6.09 related).  
**COMPLY YES NO**
- 6.46X BACK-UP CAMERA**  
 A Back-Up camera with a video monitor shall be installed. It shall be a Rostra System with video feed installed on OEM dash display. Rear camera shall be surface mounted above the rear doors.  
**COMPLY YES NO**

## **7 SUPPORTING DOCUMENTATION**

### **7.01 OWNERS MANUAL**

Shall be provided with vehicle and consists of the following items:

1. Chassis owner information packet.
2. Extra set of keys.
3. Lifetime module warranty.
4. Factory warranty on Chassis.
5. 7 Year/75,000 mile limited electrical warranty.
6. 2 Year/30,000 mile Conversion Warranty.
7. 5 Year Paint Warranty.
8. Module remount engineering check list.
9. Climate control information and warranty.
10. Main schematic.
11. Electrical Load Test.
12. Wire coding list.
13. Schematics for standard system: (As Built)
  - Driver switch console
  - Attendant switch console
  - Climate control system
  - Dual battery system
  - Module harness routing
  - Interior and exterior lights
14. Operations manual
15. Schematics for individual options.
16. Warranty and parts list for light bar, etc.

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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## **8 MISCELLANEOUS EQUIPMENT**

### **8.01 LOOSE EQUIPMENT**

The following equipment shall be shipped loose with the vehicle:

1. Two extra fobs
2. Two Touch Up Paint
  - a. White (GLV-33631 Alt 2)
  - b. Lt gray (GLV-51748)
3. One Cord End for Shoreline
4. One Oxygen cylinder wrench
5. Spare Tire & Wheel
6. One Simulator wrench
7. Tire changing tools
8. One Twist-lock adapter for 20 amp auto eject

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
---------------	------------	-----------



**8.02**

**CUSTOMER SUPPLIED EQUIPMENT**

The customer shall provide the following equipment and have delivered to manufacturer:

1. One Antenna mount and cable
2. One Knox MedVault2
3. One Motorola APX6500 dual remote head radio, with speaker and headset.
4. One 12V flashlights
5. One box lantern
6. Two Department door decals
7. Stryker PowerLOAD cot fastener
8. Two SCBA brackets

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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