

**BID INSTRUCTIONS AND SPECIFICATIONS  
FOR  
AMBULANCE  
FRANKLIN COUNTY FIRE PROTECTION DISTRICT #3  
PASCO, WASHINGTON**

**GENERAL INSTRUCTIONS**

**SUBMITTING INSTRUCTIONS**

It is the intent of these specifications to secure an Ambulance for immediate delivery, within 120 days from the “*Notice to Proceed*”. Ambulance shall be constructed to withstand the severe and continuous use encountered during emergency service.

After the date and hour set for the opening of the bids, no Bidder may withdraw their proposal unless the award is delayed for a period exceeding thirty (30) days. The proposals are to be:

**MAILED TO:  
Franklin County FPD #3  
7809 Road 36.  
Pasco, WA 99301**

**OR      DELIVERED TO:  
Franklin County FPD #3  
7809 Road 36  
Pasco, WA 99301**

**FAILURE TO DELIVER**

Vendor shall specify delivery dates, in terms of calendar-day time interval following placement of order for the vehicle.

**TAXES/LICENSES**

Bid price to include all taxes and licenses and/or installation permits, including Washington State and City sales tax necessary for delivery of said vehicle. Washington State Sales Tax or higher sales tax, if applicable, shall be shown as a separate item.

**RIGHT TO REJECT**

The District reserves the right to reject any or all bids and to waive minor irregularities. The District will award or reject bids within thirty (30) days after bid opening. Any bids turned in after the official time for bids to be opened will be considered late and will be returned to the Bidder(s) unopened.

**VENDOR COORDINATION**

Vehicle specified shall be as described in the attached exhibit and includes, but is not limited to, the chassis, body, modifications, module and equipment. The vehicle shall be tested by the District for proper operation before delivery, and the District may reject it if it determines the vehicle unsatisfactory in District’s sole discretion.

**TERMINATION**

Vendor’s bid together with these Instructions for Sealed bids, including Detailed Specifications, shall constitute the contract upon acceptance of the Bid by the District. In the event of a breach by vendor of any of the provisions of this contract, the District reserves the right to cancel and terminate this contract forthwith by giving oral or written notice to vendor.

**LIENS, CLAIMS AND ENCUMBRANCES**

Vendor warrants and represents that all goods and materials delivered will be free and clear of all liens, claims or encumbrances of any kind.

**RISK OF LOSS**

Vendor agrees to bear all risk of loss, injury or destruction of goods and materials which occur prior to delivery.

**GOVERNING LAW; VENUE**

This agreement shall be governed by the laws of the State of Washington. Any lawsuit arising out of this agreement shall be brought in the Superior Court of the State of Washington for Franklin County.

**ADDITIONAL INFORMATION**

Specifications are attached hereto. Additional information may be obtained from the Fire Chief.

**CHANGES**

No alterations in any of the terms, conditions or specifications of this contract will be effective without the written consent of Mike Harris, Fire Chief of Franklin County Fire Protection District No. 3.

**PAYMENT**

Payment by District shall be made within thirty (30) days of delivery and compliance with all conditions and provisions of the specifications.

**0 GENERAL INSTRUCTIONS**

**0.01** It is the intent of these specifications to secure an Ambulance 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 Ambulance 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** Ambulance 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 Ambulance and the purpose for which it is intended.

**COMPLY** YES \_\_\_ NO \_\_\_

**0.05** The Ambulance 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 copy of parts, service, and operational manuals at delivery of the proposed ambulance. 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 "**Ambulance 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 exterior views showing lights, equipment, stripes, lettering, etc. and four 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 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 person from purchaser. Final Inspection meeting shall be for two 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 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, 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.

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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*This bid shall remain open to additional purchases (Interlocal, Tag-On, Piggy Back) by this or other agencies for a period of three years, with periodic cost adjustments based on actual manufacturer's price increases.*



**INVESTMENT:**

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

Option 1 Furnish and Install Liquid Spring Suspension \_\_\_\_\_  
Option 2 Furnish and Install Transafe XRS2400PL Bariatric Patient Transport \_\_\_\_\_

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

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

Pre-Build/ Inspection visit allowance  
(One Person for Pre-Build; two 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 years, with periodic cost adjustments based on actual manufacturer's price increases.*

**DETAILED SPECIFICATIONS  
FOR AMBULANCE  
DODGE 3500 FOUR-WHEEL DRIVE**

**1 CHASSIS**

**1.01 OEM CHASSIS**

- 2018 Ram 3500, 4 x 4, ST, meeting all the specifications of Section 1.01.
  - 3 year/36,000-mile Basic Limited Warranty
  - Special Emissions-Emergency Vehicle Fire Rescue Prep Package
  - Dual Rear Wheels
  - Provided by manufacturer

**COMPLY    YES    NO**

**1.01.01 SPECIFIC RATINGS**

- Drive – four wheel
- G.V.W.R. – 14,000 lbs.
- Wheelbase – 167.5"
- Cab to Axle – 84"
- Front Spring Capacity – 6,000 lbs.
- Rear Spring Capacity – 9,850 lbs.
- Front Axle – 6,000 lbs.
- Rear Axle – 9,850 lbs.
- Rear Differential – 3.73 ratio, Anti-Spin Differential Rear Axle

**COMPLY    YES    NO**

**1.01.02 POWER TRAIN**

- Engine
  - 6.7L I6 Cummins Turbo diesel, B-20 Bio Diesel capability
  - Diesel Emission Fluid (DEF) System
  - 5 years/100,000-mile warranty
  - External oil cooler
  - Engine block heater (Cold Weather Group)
  - Factory diesel package
  - Diesel exhaust brake
  - Heavy duty dry type air cleaner with flow restriction indicator
- Engine Cooling System
  - Heavy duty, closed-air, free-liquid state type
  - Coolant recovery system
- Transmission
  - Six speeds Heavy Duty Automatic, AISIN AS69RC
  - Auxiliary Transmission Oil Cooler
  - Electronic Shift on the Fly

- 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.

**COMPLY**    **YES** \_\_\_ **NO** \_\_\_

**1.01.03      STEERING**

- Power assisted
- Tilt steering wheel

**COMPLY**    **YES** \_\_\_ **NO** \_\_\_

**1.01.04      SHOCK ABSORBERS/STABILIZER BARS**

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

**COMPLY**    **YES** \_\_\_ **NO** \_\_\_

**1.01.05      BRAKES**

- Heavy duty power assisted four wheel ABS; Front and rear disc

**COMPLY**    **YES** \_\_\_ **NO** \_\_\_

**1.01.06      TIRES AND WHEELS**

- Seven OEM LT 235-80R-17E All Season
- Seven OEM 17" Steel Wheels
- Bright Wheel Skins
- Spare tire and steel wheel shipped loose

**COMPLY**    **YES** \_\_\_ **NO** \_\_\_

**1.01.07      ELECTRICAL**

- Alternators – OEM Dual 220 Amp each
- Batteries – OEM Dual 730 CCA each
- Auto Throttle – OEM installed

**COMPLY**    **YES** \_\_\_ **NO** \_\_\_

**1.01.08      INSTRUMENT PANEL AND CONTROLS**

- Gauges
  - Odometer/Trip odometer
  - Speedometer
  - Voltmeter
  - Fuel
  - Coolant temperature
  - Oil pressure
  - Diesel engine warning lights
  - Tachometer
- Engine Hour Meter
- Temperature and Gauge

- Controls – Cruise
- Audio – OEM AM/FM

**COMPLY**    **YES** \_\_\_ **NO** \_\_\_

**1.01.09**

**CAB EXTERIOR**

- Trim Level – ST
- Horn – OEM dual note electric
- Windows – Tinted safety glass
- Windshield wipers – Variable, Intermittent
- Mirrors
  - Interior Day/Night rear view mirror
  - Two black, Trailer Tow with convex
  - Supplemental signals and courtesy lamps
  - Power, heated glass
- Bright front bumper and grille
- Lighting
  - Aerodynamic halogen headlamps
  - Daytime running headlamps, low beam
  - Clearance lamps
- Fuel tank – OEM 52 Gallons

**COMPLY**    **YES** \_\_\_ **NO** \_\_\_

**1.01.10**

**CAB INTERIOR**

- Seats – OEM
  - Vinyl bench seat 40/20/40
  - Delete front center seat
  - Combination lap and shoulder harness
- Climate Control – OEM
  - Heavy duty, fresh air, high capacity heater/defroster
  - Dehumidifying air conditioning system
- Interior upgrade package
  - Cloth headliner
  - Cloth sun visors
  - High-series door trim panels
  - Black vinyl floor covering
  - Power windows & power door locks, with fob
- Lights and convenience group
  - Courtesy light switches on all doors
  - Warning chimes
  - Headlight-on audible alert
  - Illuminated entry

**COMPLY**    **YES** \_\_\_ **NO** \_\_\_

**1.01.11**

**COLORS**

- Exterior – Flame Red
- Interior – Gray

**COMPLY**    **YES** \_\_\_ **NO** \_\_\_

**1.02 CHASSIS MODIFICATIONS**

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

**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
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**1.02.05A RUNNING BOARDS WITH SPLASH GUARDS**

Shall be installed on both sides of the vehicle. They shall be made of 0.125" polished aluminum diamond plate. The running boards shall be flared to the front corner of module. The splashguards shall be welded to the forward end of the running boards. The entire assembly shall be securely mounted with stainless steel 1/4"-20 Truss head bolts.

COMPLY	YES	NO
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**1.02.09 MUD FLAPS**

Black mud flaps shall be installed behind each rear wheel.

COMPLY	YES	NO
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**1.02.30 RIDE HEIGHT MODIFICATION**

The ride height for the vehicle shall be lowered by removing the plates under the rear leaf springs, and the chassis headlights shall be re-adjusted.

COMPLY	YES	NO
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**1.02.38 CAB ROOF STIFFENER**

In order to reduce noise and vibration, a 0.125" ABS stiffener panel shall be bonded to the inside of the cab roof. Panel shall be applied with adhesive tape and polyurethane adhesive/sealant.

COMPLY	YES	NO
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**1.02.50 USB PORT AND 3.5MM INPUT**

The RAM OEM USB port and 3.5mm auxiliary audio input shall be installed in the dash.

COMPLY	YES	NO
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**1.02.51 HAVIS MOBILE DATA TERMINAL**

Install customer provided HAVIS Mobile Data Terminal mount and wire.

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 bolts. All bolts shall be secured with locking nuts.

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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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 back shall be modified and reinforced with a welded, galvanized steel framework. The rear window openings on each side of the module access shall be covered with 14 ga. galvanized steel welded to the cab and painted to match the body. A stainless-steel threshold shall be installed to protect the bottom of the walk-thru.

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

<u>EXTRUSIONS</u>	<u>SIZE</u>	<u>ALLOY</u>
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>COMPLY</b>	<b>YES</b>	<b>NO</b>
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<u>FORMED SHEETING</u>	<u>SIZE</u>	<u>ALLOY</u>
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:	23'	5"	(281")
Width:	7'	10"	( 94") Excluding Mirrors
Height:	8'	11.125"	(107.125")

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

Length:	12'	3"	(147")
Width:	7'	10"	( 94")
Height:	7'	4.375"	( 88.375")

Interior Dimensions: (Specifications are listed as minimums.)

Length:	Forward Wall to Rear Doors	139"
Width:	Left Wall to Right Wall	89"
Floor Width:	Left Cabinets to Squad Bench	50.25"
Height:	Floor to Ceiling	72"

Load Height:	Ground to Floor Height	36.25"
	Approximately	

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

**STRUCTURAL FRAMING**

Side wall 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 the 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 the 2" x 2" x 0.125" roof structure is welded. This process provides a utilized roll cage 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.

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

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**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 a watertight, dust-free module environment.

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**2.06.01**

**EXTERIOR SKIN**

In addition to welding the exterior skin to structural framing, a Norton NORBOND closed-cell, polyurethane foam tape with high-performance acrylic adhesive shall be utilized full length on all front and rear wall and roof frame members. A polyurethane adhesive sealant shall be applied to the edges of framing members that are bonded with NORBOND tape. An advanced two-part methacrylate structural adhesive shall be used to bond all side wall tubes to the exterior skin and door frames.

The module shall be constructed utilizing full-size sheet construction to minimize body seams. There shall be no corner or mid-body seams.

COMPLY	YES	NO
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**2.07A**

**MODULE ROOF**

The roof shall be seamed transversely with seam spacing not less than 96", be crowned, have a 1.5" radius along the edges, and be welded to 2" x 4" wall header tubes 4.75" 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 continuously welded. 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 module.

The module roof front and rear edges shall be constructed to allow mounting of recessed lightbars.

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
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**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 adjustable track, which is securely welded to compartment interiors. Each shelf shall support at least 300 lbs. of equipment.

COMPLY	YES	NO
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**COMPARTMENT #1**

**Interior Dimensions** – 52"W x 35"H x 19"D

**Doorway Dimensions** – 52"W x 35"H

**Location** – Streetside, forward

**Shelving** –Two adjustable: one bin type 17.5" W, one full width (shipped loose).

**Door(s)** – Double

**Light(s)** – One LED strip light

**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 will have four vertical strips of adjustable track on the back wall. This will allow the bin shelf to be installed fore or aft in the compartment. The side walls of the bin shelf shall be notched to allow better access to the 120VAC box.

Two vertical strips of adjustable track shall be added to each of the side walls for future installation of a full-length shelf. The adjustable shelf will be shipped loose.

A spare tire mount shall be mounted on the back wall of the aft section.



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 installed on the back wall of the compartment.

COMPLY	YES	NO
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**COMPARTMENT #2**

**Interior Dimensions** – 25"W x 74"H x 19"D

**Doorway Dimensions** – 25"W x 70"H

**Location** – Streetside, rear

**Shelving** – Three bin type 12.625" W

**Door(s)** – Single

**Light(s)** – One LED strip light

**Additional Instructions** – Three heavy-duty aluminum adjustable tracks will be installed on back wall to accommodate bin type shelving on either side.

A filtered vent shall be added to the aft wall of the compartment.

COMPLY	YES	NO
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**COMPARTMENT #3**

**Interior Dimensions** – 15.5"W x 77"H x 19"D

**Doorway Dimensions** – 15.5"W x 70"H

**Location** – Curbside, rear

**Shelving** – None

**Door(s)** – Single

**Light(s)** – One LED strip light

**Additional Instructions** – This compartment shall have three straps setup for storage of an "M" size cylinder.

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 vent shall be added to the aft wall of the compartment.

COMPLY	YES	NO
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**COMPARTMENT #4**

**Interior Dimensions** – 22.5"W x 25"H x 19"D

**Doorway Dimensions** – 20.5" W x 25"H

**Location** – Curbside, rear, aft of wheel well

**Shelving** – None

**Door(s)** – Single

**Light(s)** – One LED strip light

**Additional Instructions** – None

COMPLY	YES	NO
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**COMPARTMENT #5**

**Interior Dimensions** – 27.75"W x 56.25"H x 32"D

**Doorway Dimensions** – 25.75"W x 56.25"H

**Location** – Curbside, forward

**Shelving** – See Interior Cabinet #19

**Door(s)** – Single

**Light(s)** – One LED strip light

**Additional Instructions** – This compartment shall provide inside/outside access to Cabinet #19 with a full width stainless steel threshold on the floor level shelf. There shall be storage located below the floor. Area shall be vented by louvers in the lower portion of the door.

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

**2.09X** **MODULE DOORS**

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

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

**2.09.01** **DOOR FRAME AND SEAL**

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 spread 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**

**2.09.03X** **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, one at the top and bottom of each door and accessible from the inside of the module.

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

**2.09.04X** **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, except compartment #3. A 1" rubber bumper shall be installed on the door for compartment #3.

**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 door open at approximately a 90-degree angle on any road surface.

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

**2.09.06**

**REAR DOOR CONTROL**

Shall be "grabber" type hold-open devices with replaceable rubber catches.

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

**2.09.07**

**COMPARTMENT DOOR SKINS**

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**

**2.09.08**

**ENTRANCE DOOR SKINS**

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 the side passage door, top, and bottom of rear doors.

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

**2.09.09A**

**ENTRANCE DOORWAYS**

One curbside and two rear module entrance doors shall be provided. The curbside doorway dimensions shall be 28"W x 73.75"H. The rear doorway dimensions shall be 49.75"W x 66"H.

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

**2.09.10**

**THRESHOLDS**

All compartment and module access doorframes 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 Adjustable track.

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

**CABINET #1**

**Dimensions** – 39.5"W x 13.75"H x 14.75"D

**Location** – Streetside, upper forward

**Shelving** – One adjustable, aft of divider

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

**Additional Instructions** – Cabinet shall be divided in the center by a vertical fixed divider. An IV Warmer shall be located in the lower aft corner of this cabinet. One 120VAC receptacle shall be installed on the back wall of the cabinet. LED Light under cabinet. Rocker Switch at attendant panel.

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

**CABINET #2**

**Dimensions** – 39.5"W x 13.75"H x 14.75"D

**Location** – Streetside, upper center

**Shelving** – One adjustable

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

**Additional Instructions** – LED Light under cabinet. Rocker Switch at attendant panel.

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

**CABINET #3**

**Dimensions** – 20"W x 13.75"H x 14.75"D

**Location** – Streetside, upper 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**

**CABINET #4**

**Dimensions** – 20 "W x 15"H x 19"D

**Location** – Streetside, center 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**

**CABINET #5 – Open Storage**

**Dimensions** – 22"W x 15.75"H x 19"D

**Location** – Streetside, lower rear

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – The counter top shall be one-piece 16 ga, 304 stainless steel with a 0.5" aluminum retaining lip.

A 120VAC receptacle shall be located on the back wall.

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

**CABINET #6 – Action Area**

**Dimensions** –55.625"W x 31.75"H x 19"D

**Location** – Streetside

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – It shall contain one oxygen outlet, vacuum connection, suction collector, attendant control panel, inverter status panel, digital thermostat, one 120VAC receptacle, and one 12VDC receptacle.

The entire action wall area shall be lighted utilizing a under cabinet LED strip light..

A 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.

A sharps and waste space (sized for a Becton-Dickinson, 8.2 Qt., sharps container and a 7 Qt. waste) shall be located at the aft of the countertop. The sharps and waste shall be accessible and changeable thru a hinged acrylic flip up door.

COMPLY	YES	NO
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**CABINET #7 – Radio Cabinet**

**Dimensions** – 8"W x 27.75"H x 19.5"D

**Location** – Front, behind attendant seat

**Shelving** – None

**Door(s)** – Aluminum, hinged door, and a quarter turn slotted 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.

Shall be vented by louvers in the upper and lower portion of the door.

COMPLY	YES	NO
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**CABINET #8 – Miscellaneous Storage**

**Dimensions** – 8" W x 25"H x 19.5"D

**Location** – Front, under Cabinet #7

**Shelving** – Two adjustable

**Door(s)** – None

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

COMPLY	YES	NO
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**CABINET #9 – Attendant Seat Cabinet**

**Dimensions** – 25" W x 8"H x 19.5"D

**Location** – Streetside, below Attendant Seat

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – This cabinet shall be open to the aisle side and have a 1" lip along floor edge to hold items in place.

COMPLY	YES	NO
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**CABINET #10 – CPR Seat with Storage**

**Dimensions** – Bench: 25.5” W x 18.75”H x 19” D

Storage: 25.5”W x 8.125”H x 19”D

**Location** – Streetside

**Shelving** – None

**Door(s)** – Hinged aluminum bench lid, with high-density foam padding covered with seamless vinyl shall provide access to the storage area. It shall have a 1.5” overhang, an automatic hold-open device, and stainless-steel paddle latch. The pad shall be removable.

**Additional Instructions** – The CPR seat back pad shall have high-density foam padding covered with seamless vinyl. One set of seatbelts shall be installed on the seat.

The CPR seat base to be formed from aluminum and securely anchored to sub-floor. The bottom and unfinished sides of the storage area shall be sprayed with textured polyurea and painted white with gray splatter.

COMPLY	YES	NO
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**CABINET #11**

**Dimensions** – 31.5”W x 10”H x 9”D

**Location** – Curbside, upper rear

**Shelving** – None

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

**Additional Instructions** – LED Light under cabinet. Rocker Switch at curbside wall.

COMPLY	YES	NO
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**CABINET #12**

**Dimensions** – 31.5” W x 10”H x 9”D

**Location** – Curbside, upper forward

**Shelving** – None

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

**Additional Instructions** – This cabinet shall have three adjustable vertical dividers. LED Light under cabinet. Rocker Switch at curbside wall.

COMPLY	YES	NO
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**CABINET #13**

**Dimensions** – 12”W x 21”H x 5.5”D

**Location** – Curbside, aisle side of right front stack

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – None

COMPLY	YES	NO
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**CABINET #14 – Squad Bench with Storage**

**Dimensions** – Bench: 66.125” W x 18.75”H x 19”D

Storage: 43.375”W x 8.125”H x 19”D

**Location** – Curbside

**Shelving** – None

**Door(s)** – Hinged aluminum split lid bench, with high-density foam padding covered with seamless vinyl shall provide access to the storage area. It shall have a 1.5” overhang, an automatic hold-open device, and a stainless-steel paddle latch.

The forward lid shall provide access to the storage area. The aft lid shall be fixed. The pad shall be removable.

**Additional Instructions** – The squad bench back and/or head pads shall have high-density foam padding covered with seamless vinyl. Three sets of seatbelts shall be installed on the bench and set up for use with sit-up or stretcher patients.

The squad bench base to be formed from aluminum and securely anchored to sub-floor. The bottom and unfinished sides of the storage area shall be sprayed with textured polyurea and painted white with gray splatter.

An Oxygen window and clock shall be installed in the wall at the aft end of the bench.

An Oxygen outlet and a DOME TIMER momentary rocker switch shall be installed on the curbside wall over the bench.

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

**CABINET #15 – HVAC**

**Dimensions** – 34.75”W x 16.5”H x 27.875”D

**Location** – Front, right upper

**Shelving** – None

**Door(s)** – None

**Additional Instructions** – This cabinet shall house heater/AC unit and suction pump.

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

**CABINET #16 – Electrical Cabinet**

**Dimensions** – 30.75” 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**

**CABINET #17**

**Dimensions** – 18.75”W x 29.25”H x 10”D

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

**Cool Cabinet** – Installed in 17 L left towards center of modular

**Shelving** – Two adjustable shelves in cabinet closest 17 R right towards outer modular wall.

**Door(s)** –One clear door with twist slam latch on 17 R

**Additional Instructions** – None

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

**CABINET #18**

**Dimensions** – 31.75"W x 16.5"H x 27.875"D

**Location** – Front, right center

**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 #19 – Drawers**

**Dimensions** – 32"W x 7.75"H x 27.875"D

**Location** – Front, right below Cabinet #17

**Additional Instructions** – There shall be two 13"W x 5"H x 19"D metal drawers in this area. Each drawer shall operate on 18" slides rated at 300 lbs. per set and have a gas shock hold open/closed device to ensure drawers do not accidentally open or close during operation of the vehicle. Drawers shall be formed of 16 ga. steel welded construction with an automotive gray enamel finish, and formed structural support on the sides and front of drawers. Each drawer shall have machine stamped divider supports along the side for at least four dividers per drawer with four adjustable dividers provided with each drawer installed side to side. Top drawer in stack shall have a simplex drawer lock.

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

**Dimensions** – 32" W x 42.5"H x 27.875" D

**Location** – Front, right lower

**Shelving** – Two adjustable, one full width and one partial width with 1" x 1" lip down facing doorway

**Door(s)** – None

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

One 120VAC receptacle and one 12VDC receptacle shall be installed in the upper forward portion of the left wall.

The HVAC shall be distributed thru a vertical plenum on the aisle side of the right front stack.

Install two (2) customer provided ZICO D medical brackets in HVAC plenum side cut out.

COMPLY	YES	NO
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2.11A

**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
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2.13A

**CAB TO MODULE PASSAGE**

Shall be a walk-thru measuring 15.75" W x 37" H.

COMPLY	YES	NO
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2.14

**WHEEL WELL LINERS**

Shall be installed in the wheel wells over the rear wheels. The liners shall be formed aluminum.

**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: Dodge Flame Red SW (#GB-46916)

Stripe: Color: Gold, White & Gold

1” each gold stripe installed above white stripe.

Size: 4” white stripe installed with 0.50” between each stripe

1” each gold stripe installed below white stripe.

Material: Scotchlite

Location: Cab and middle of the modular on both sides and rear.

Star of Life: Color: Blue six-point with white border and white “Rod of Asclepius”

Size: 4”

Material: Scotchlite

Location: Front of modular, centered between top of cab and top of modular one on each side of 4” letters “AMBULANCE” in reverse letters.

Star of Life: Color: Blue six-point with white border and white “Rod of Asclepius”

Size: 16”

Material: Scotchlite

Location: Curbside and street side between reflective stripe and modular roof

Star of Life: Color: Blue six-point with white border and white “Rod of Asclepius”

Size: 12”

Material: Scotchlite

Location: Rear of modular, curbside and street side on each side of the rear doors between reflective stripe and modular roof.

Lettering: FRANKLIN COUNTY  
FIRE DISTRICT #3

White letters

Size: 4"

Material: Scotchlite

Location: Rear of Modular, curbside and street side centered on each side of the modular.

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

**3.06X COMPARTMENT FINISH**

All compartments 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**

**3.07X INTERIOR CABINETS 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**

**3.08X MODULE UPHOLSTERY**

Shall be Spradling 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 side walls 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**

3.10

**COMPARTMENT LINING**

Compartment floors shall be lined with light gray Mate'flex material and all shelves with easy sweep mat.

**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 chassis and module underbodies (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**

**4 MODULE EXTERIOR**

4.01

**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 a hex punched open flow design to prevent accumulation of water and snow and provide a 7" step width. Both outermost ends shall be angled to prevent dragging of corners in high angle of approach/departure areas. 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 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 RAIL**

Shall be extruded, anodized aluminum running full length of module at top of sides, front, rear. 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**

4.05

**ROCK GUARDS**

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

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

4.06

**REAR KICK PANEL**

Shall extend from the top of the rear step to the bottom of the rear doors, full width formed around corners, and 2.5" forward on each side.

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

4.07

**FUEL FILL(S)**

Shall be on the streetside of the module. Each location shall have 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 dark tinted.

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 side window shall 18.75" x 37.5" window with screen in curbside wall above squad bench.

**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

4.17X

**ELECTRIC STEP**

One step shall be provided and mounted under the curbside door. It shall be a ZICO Model and shall be wired to open and close with the side door. Pre-wire for an Auto/Off switch just inside the curbside door.

**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 fiberglass reinforced 0.090" "Glasboard" with textured 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. Seat cushions shall be 3" high-density foam covered with heavy-duty vinyl matching upholstery. (Section 3.08 related)

**COMPLY** YES NO

5.04

**LOWER WALL COVERING**

The squad bench sides and lower portion of the streetside wall shall be nonporous, color-coordinated material. Nonporous, color-coordinated material shall cover the wall from the squad bench to the rear door at the same height as the squad bench front.

**COMPLY** YES NO

5.05A

**GRAB RAIL**

One 75" long x 1.250" diameter stainless steel grab rail with three support brackets shall be securely mounted to roof structural framing running through center.

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

5.06

**ACCESS DOOR GRAB RAILS**

Each module access door shall have a 1.250" "L" style stainless steel grab handle which may also be used as an entry assist rail.

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

5.07

**IV HANGERS**

One retractable dual IV hanger with stabilizers shall be near flush mounted in the ceiling over the primary cot.

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

5.08X

**COT MOUNT**

Install customer provided Stryker Power-LOAD System.

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

5.10X

**ATTENDANT SEAT**

A rear facing high-back bucket seat, 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 be securely anchored to an aluminum storage cabinet with 2-point safety belt.

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

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 outlets shall be installed in the following locations: one in action area, one in ceiling above primary patient, and one in the curbside wall above the squad bench.

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

A bulkhead connector shall be installed in the ceiling of Compartment #3.

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

5.12

**SUCTION PUMP**

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

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

5.13

**SUCTION COLLECTOR**

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

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

5.14A

**SEATBELTS**

Shall be DOT certified and shall be installed with all passenger seating. Three sets shall be installed on the squad bench and set up for use with sit-up or stretcher patients. The attendant seat and the CPR seat shall each have a single seat belt.

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

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**

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 the action wall.

The HVAC shall be routed thru a vertical plenum on the aisle side of the right front stack. 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 on the side of the module. The intake shall consist of an opening protected by an aluminum vent cover. The interior chamber of the intake shall be made of aluminum and formed to prevent the collection of moisture.

Washable filter media shall be installed in the intake chamber.

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

5.19

**AIR RETURN**

A return air path with open area equal to at least twice the blower outlet area shall be incorporated into the evaporator closeout.

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

**5.20 EXHAUST VENT**  
A motor-powered exhaust vent shall be located in the streetside rear corner of the module.

COMPLY	YES	NO
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**5.21 NO SMOKING/FASTEN SEAT BELTS SIGNS**  
Two "No Smoking/Fasten Seat Belt" signs shall be installed – one each for driver's area and module.

COMPLY	YES	NO
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**5.23A WHITE MARKER BOARD**  
Shall be installed on the curbside wall of the walk-through.

COMPLY	YES	NO
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**5.24A CLOCK**  
An Atomic controlled clock shall be installed at the aft end of the squad bench over the oxygen window. The clock shall be LCD display and show hours (12/24 selectable), minutes, seconds, date, day, and temperature. Clock shall be powered by two "AA" alkaline battery.

COMPLY	YES	NO
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**5.26X SHARPS/HAZARDOUS WASTE CONTAINER**  
One Becton Dickinson 8.2 qt., sharps container and one 7 qt. waste container shall be installed under the aft end of the action area countertop.

COMPLY	YES	NO
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**5.29A OXYGEN WINDOW**  
Shall be a clear, 6" x 10", acrylic window. The window shall be mounted with self-closing hinges, on the forward-facing wall at the aft end of the squad bench.

COMPLY	YES	NO
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**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, or function coded every 3" for permanent identification and correspond with the vehicle schematics. Solderless, insulated connectors shall be used. Slotted Panduit-style wiring duct 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. The vehicle electrical system shall be tested and certified to AMD 005 requirements.

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

**6.01 OVERLOAD PROTECTION DEVICES**

Body electrical wiring shall utilize overload protective devices of the automotive type circuit breaker. 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 includes visual alarm for low voltage.

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

**6.04 IGNITION CONTROL**

Chassis electrical circuits shall be controlled by the ignition switch as provided by the OEM chassis manufacturer. The auxiliary chassis-related functions shall be powered by one 100-amp continuous duty solenoid, triggered by the chassis ignition.

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

**6.05A MODULE POWER**

A 200-amp power disconnect switch (CDR-357) shall provide module power. An ignition interlock shall disconnect module power fifteen minutes after vehicle's ignition is turned off. The interlock shall also allow module power to be activated independently for fifteen minutes by cycling either the ignition switch or the module disconnect switch.

**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.

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**6.07**

**BACK-UP ALARM**

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 have a sound output level of 97dB.

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**6.08**

**SERVICE LOOP**

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

<b>COMPLY</b>	<b>YES</b>	<b>NO</b>
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**6.09A**

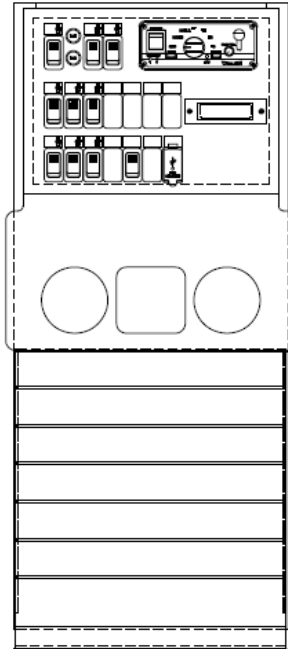
**DRIVER'S CONSOLE/MAP BOOK HOLDER**

A driver's console made of black-powder-coated formed aluminum shall be installed between the seats. It shall have a switch panel with the following layout, two cup holders, two arm rests, and a map holder with six mill-finished aluminum dividers. A map light shall be installed in the upper right corner (Section 6.11 related).

1.	Passage D/O Compt D/O	2.	3.	Siren
Module Disc.		Emerg. Master	Back-up Disable	

4.	5.	6.	7.	8.	9.	10.	Digital Meter
Light bar Red	Light bar White	Flashers	Flashing Head Lts	Blank Pre-wire White Lights	Blank Pre-wire Steady Red	Blank Pre-wire Opticom	

11.	12.	13.	14.	15.	16.	17.	Blank
Left Scene	Right Scene	Rear Scene	Blank	Spare	Blank	Switch insert USB	



COMPLY YES NO

**6.10X SWITCHES**

Shall be lighted rocker type and permanently marked by function. One spare switch shall be provided.

COMPLY YES NO

**6.11 MAP LIGHT**

A map light with a 19" flexible neck shall be mounted on the driver's console.

COMPLY YES NO

**6.12A DOOR AJAR WARNING LIGHT**

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.

COMPLY YES NO

**6.13 ATTENDANT CONTROL PANEL**

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

- |                   |              |          |
|-------------------|--------------|----------|
| 1. Dome Hi/Off/Lo | 3. Aspirator | 5. Blank |
| 2. Dome Hi/Off/Lo | 4. Vent      | 6. Blank |

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

COMPLY YES NO

**6.14 ACTION WALL AREA LIGHTING**  
The entire action wall area shall be lighted utilizing under cabinet LED strip lights connected to a rocker switch in attendant panel.

**COMPLY** YES NO

**6.15 STEP LIGHTS**  
A Pre-Wire for a side door step well light shall be installed.

**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 six dual intensity #80C0EHCR LED recessed lights - one bank of three lights shall be positioned toward streetside and three lights toward curbside.  
LED Undercabinet lighting shall be provided.  
The three lights on the curbside shall be automatically activated when the rear or side doors are opened.  
There shall be a switch for each bank of lights on the action wall for Hi/Off/Lo.  
The curbside bank of lights shall be automatically activated when the rear or side doors are opened or by a DOME TIMER momentary rocker switch mounted in the wall near the curbside passage door, which shall activate a battery hot timer. Pressing the switch once shall initiate 15-minute timed operation of the lights. Pressing the switch again shall cancel the timed operation.

**COMPLY** YES NO

**6.17A 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.  
Rear, stop, back-up, and turn lights shall be Truck-Lite LED.  
Side marker lights shall be "Truck-Lite" LED Model 36.  
Front and rear module clearance lights shall be an integral part of the light bar system.

**COMPLY** YES NO

**6.19 ANTENNA MOUNTS AND CABLES**  
Two NMO universal antenna mounts with KHFUD cables and Larsen HyPer master universal connectors and mini-UHF adapters shall be installed on the module. Antenna base access shall be through the dome light openings, and the cables shall terminate in the radio cabinet.

**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 with 120VAC shorepower via Kussmaul 20-amp Super Auto-Eject plug located on driver's side of vehicle with a green LED indicator light on a stainless-steel access plate and distributed via a formed 0.125" aluminum power box recessed into compartment #1. Power box shall be flush mounted so as to maximize compartment size and shall have an easily removable cover.

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

- 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.

Four interior 120VAC duplex GFCI receptacles shall be mounted:

- One cabinet #1
- One Action Area
- One Cabinet #5
- One Cabinet #20

**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**

**6.23C**

**BATTERY CHARGER**

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

**COMPLY**    **YES**    **NO**

**6.25**

**12VDC RECEPTACLES**

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

- One action area
- One Cabinet #20

Receptacles shall be powered continuously.

In addition, one Blue Sea Dual USB charger will be installed:

- Driver's console

**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
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**6.30 EMERGENCY WARNING SYSTEMS**

**6.30.01X FRONT LIGHTBAR**

Shall be a 94" Whelen #4500 Plus lightbar. Pattern curbside to streetside:

- Curbside Red Lens Red Super LED Flasher
- Clear Lens Clear Super LED Flasher
- Red Lens Red Super LED Flasher
- Red Lens Red Super LED Flasher
- Center Opticom™ Model 794M Multimode LED Emitter
- Red Lens Red Super LED Flasher
- Red Lens Red Super LED Flasher
- Clear Lens Clear Super LED Flasher
- Streetside Red Lens Red Super LED Flasher

The Lightbar shall be recess mounted with horizontal plane of the roof, protrude no more than 1/2" beyond the vertical plane of the front and sides of the module.

The clearance lights shall be an integral part of the light bar.

The Red flashers shall be controlled by the Light bar Red switch and the Clear flashers shall be controlled by the Light bar White switch.

Prewire for Steady Red light(s)

COMPLY	YES	NO
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**6.30.02X REAR LIGHTBAR**

Shall be a 94" Whelen #4500 Plus lightbar. Pattern curbside to streetside:

- Curbside Red Lens Red Super LED Flasher
- Red Lens Red Super LED Flasher
- 17 Degree Angled LED Scenelights
- Amber Lens Amber Super LED Flasher
- Center Red LED Brake Light
- Amber Lens Amber Super LED Flasher
- 17 Degree Angled LED Scenelights
- Red Lens Red Super LED Flasher
- Streetside Red Lens Red Super LED Flasher

The Lightbar shall be recess mounted with the horizontal plane of the roof, and protrude no more than 1/2" beyond the vertical plane of the rear and sides of the module.

The clearance lights shall be an integral part of the light bar.

The Red and Amber flashers shall be controlled by the Light Bar Red switch

The scenelights shall activate when rear doors are opened or when vehicle is placed in "Reverse".

COMPLY	YES	NO
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**6.30.03X**

**TRAFFIC ADVISOR**

One Whelen TAL 85 Traffic advisor on rear of module under lightbar. Traffic Advisor shall be controlled with TACTLD1 controller in console.

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

**6.30.03B**

**FLASHERS**

Four (4) Red Lens Red Super LED flashers shall be mounted two (2) on each side of module in upper corners. Lights shall be Whelen #9SCOENZR lights.

Two (2) Amber Lens Amber Super LED flashers shall be mounted on the rear of the vehicle at window height. Lights shall be Whelen #9SCOENZR.

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

**6.30.04**

**SCENELIGHTS**

Four parabolic LED scenelights, mounted two on each side, shall be installed. The scenelights shall be flush mounted and have internal optics to deflect the light down at 8-32 degree angles. The lights shall be Whelen Model #9SCOENZR LED Scene lights. The side door shall activate the curbside scenelights. Lights shall be controlled by a switch in the console.

**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 Intersection lights shall be installed, one on each fender and one above each wheel well. These shall be Whelen #WIONSMCR Clear Lens Red Super LED lights with a chrome housing. The lights shall be switched on the console by the "Flasher" switch.

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

**6.30.07X**

**FLASHING HEADLIGHTS**

OEM flashing headlights shall be enabled by manufacturer and shall be activated by a switch labeled "HEADLIGHT FLASHER" on the driver's console (Section 6.09 related).

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

**6.30.08X**

**GRILLE LIGHTS**

Shall be two Whelen #WIONSMCR Red Lens Red Super LED with a chrome housing on top of the grill and two Whelen #WIONSMCR Red Lens Red Super LED with a chrome housing on bottom of the grill. The lights shall be switched on the console by the "Flasher" switch.

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

**6.30.09**

**SIREN**

Shall be a Whelen 295SLSA1, 200 watt. Siren options to include radio, horn, manual, wail, yelp, and phaser. The siren's hands-free function shall operate through the OEM horn ring circuit when the sirens rotary selector is in the HF position and the Emergency Master switch in on. Furnish and install Whelan Howler Low Frequency Tone Siren with push button on console.

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

**6.30.10A**

**SIREN SPEAKERS**

Shall be DynaMax ES100C with two 100-watt speaker drivers installed in the open center portion of the bumper.

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

**6.30.11**

**SEQUENTIAL SWITCHING SYSTEM**

A Kussmaul sequential switching system shall be installed to control emergency lighting.

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

**6.30.12**

**FLASHER CONTROL**

A 50 amp per terminal Vanner 3250 GCP flasher shall be provided to control halogen and LED flashers.

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

**6.31A**

**INVERTER**

Shall be a Magnum Pure Sine 1000, 1000-watt inverter with a 50-amp battery charger installed in Compartment #1. A remote inverter status panel shall be installed in the action area. The inverter shall be configured to turn on and off with ignition

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

**6.35A**

**FLUID WARMER**

A 120VAC voltage fluid warmer shall be installed in the lower aft corner of 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.

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

**6.40**

**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 switches shall be provided: located on rear curbside door, and located on the curbside passage door.

A hidden unlock switch shall be located behind the license plate.

**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 miles limited electrical warranty.
6. 2 Year/30,000-mile Conversion Warranty.
7. 5 Year Paint Warranty.
8. Module remount engineering checklist.
9. Climate control information and warranty.
10. Main schematic.
11. Electrical equipment amperage ratings.
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. Touch Up Paint
  - White GLV-33631 Alt #2
  - Gray GLV-51748
2. Oxygen cylinder Wrench
3. Tire Changing tool and OEM jack
4. Antenna Coax Ends
5. 20-amp shoreline plug
6. Adjustable shelf for compartment #1
7. Road Safety Kit (includes flares, triangle and fire extinguisher)

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