

IMPORTANT NOTICE!!

If you download these materials and wish to be added to the proposer contact list send an email to:

Jayne McMahan jmcmahan@springfield-or.gov

Information to be provided:

- “RFP# 1493 Ambulances” in the subject line
- Company name
- Primary contact name
- Primary contact title
- Primary contact direct phone #
- Primary contact email

It will be the responsibility of each participating supplier to refer daily to the City of Springfield – Purchasing/Contracts website <http://www.springfield-or.gov/RFPAGE.HTM> to check for any available addendum to current opportunities, cancellations or intents to award posted.

**CITY OF SPRINGFIELD
OREGON**

**Request for Proposals #1493
Fire & Life Safety Department
Ambulances**

Sealed proposals will be received by the Finance Department, City of Springfield, 225 Fifth St. Springfield OR, 97477, Attn: Jayne McMahan until 2:00 p.m. local time, the 21st of September, 2015 and opened at 2:00 p.m. local time the same day, for proposals regarding Ambulances. Sealed proposals must be marked "**RFP#1493: Ambulances**".

Proposal packets are available on the City's website at www.springfield-or.gov (select the hyperlink from the left menu titled *Purchasing/Contracts* then *RFP#1493: Ambulances*) or by contacting Jayne McMahan at (541)726-3708 or by email: jmcmahan@springfield-or.gov

The City of Springfield reserves the right to accept or reject any or all proposals or to waive any specifications or requirements, or to negotiate with any vendor submitting a proposal regarding any aspect of this Request for Proposals when doing so is deemed to be in the best interest of the City.



Robert J. Duey
Finance Director
City of Springfield, OR

Publication Schedule:

Daily Journal of Commerce August 10, 2015
Eugene Register Guard August 10, 2015



**City of Springfield
Fire and Life Safety Department**

**REQUEST FOR
PROPOSALS
RFP #1493**

FOR

Ambulances

August 10, 2015

I. Proposal Overview

The City of Springfield, Oregon requests proposals from qualified vendors for two (2) Type 1 Ambulances as described herein, to be delivered on or before April 30, 2016.

The City of Springfield, Oregon is seeking to purchase new ambulances to replace existing fleet assets at the end of their useful lives. Eugene Springfield Fire is a functionally and operationally, but not currently administratively and financially, merged organization of the fire departments of the cities of Eugene and Springfield Oregon. Eugene Springfield Fire has 305 employees with 257 line fire and emergency medical service personnel. Eugene has 172 line positions and Springfield has 85 line positions. The organization has two assigned ambulance services areas (#4 and #5) and covers 1,960 square miles, serving a population of 285,392.

An RFP packet may be downloaded from the City of Springfield home page (www.springfield-or.gov) by clicking on the Purchase/Contracts hyperlink, or by contacting Jayne McMahan at jmcmahan@springfield-or.gov or by phone at (541)726-3708. Prospective Proposers are requested to confirm receipt of downloaded RFP packets by email to City of Springfield, Attn: Jayne McMahan at the above email address.

The City of Springfield intends to enter into a contractual agreement with the successful Proposer for purchase of two (2) ambulances. The City of Eugene intends to enter into a co-operative contract for one (1) ambulance under Paragraph 10, Conditions and Benefits.

As an option, City of Springfield may trade in one (1) 2005 Freightliner ambulance VIN# 1FVACWDD05HU11908. Trade-ins are offered in "AS IS" condition. There are no warranties of any kind, express or implied.

City of Springfield may choose to purchase additional units with the same specifications no later than August 31, 2017.

II. Proposal Submission Requirements

Your response to the Request for Proposal must contain all of the information requested in the Request for Proposal along with acknowledgement of all addenda. A completeness check will be conducted for each submission. Incomplete submissions will not be accepted. Submissions must include the items organized and numbered to correspond to each requirement below:

Content requirements

- 1. General** – Proposals will be clear and concise. The City encourages green options and discourages the use of materials that cannot be recycled such as PVC and spiral binders, plastic or glossy covers and dividers. Further, the City encourages Proposers to print on both sides of a sheet of paper whenever possible.
- 2. Cover Letter** – All Proposals must be accompanied by a cover letter signed by an individual who is legally authorized to enter into a contract and capable of binding the

entity on behalf of the proposing individual/firm. The letter must introduce the Proposal, provide an overview of your representation according to the Attachment 1 Ambulance Specifications and affirm that the Proposer accepts all terms and conditions of the Request for Proposals, including the Attachment 5 Sample Contract, terms and conditions. The letter must designate the Proposer's contact person during the Proposal review process. Also, identify whether you qualify as resident bidder as described in ORS279A.120 (1) (b) and if you are licensed to do business in the State of Oregon. Include a statement that the submission is a firm offer for a 90-day period.

3. **Contact Information** - Proposer's firm name, mailing and physical addresses, telephone number, fax number, and taxpayer identification number. Primary contact person's name, title, phone number, fax number and email address.
4. **Qualifications**- Include a detailed statement of the qualifications of the firm. This should include organizational history, clients presently served, and experience manufacturing and maintaining ambulances.
5. **Additional Services** - If it should become necessary for the City of Springfield to request the Provider to render any additional services to supplement the ambulances requested in this RFP, then such additional work shall be performed only if set forth in a written addendum to the contract between the City of Springfield and the firm.
6. **References** - Provide a minimum of three (3) references for organizations for whom you have provided similar ambulances. The references should include, at a minimum, the name of the organization, the address, the contact person, title, email address and a telephone number. References cannot include current City of Springfield or City of Eugene staff.
7. **Price** – Submit completed **Attachment #2 Bid Form**. Include prices on all optional items listed.
8. **Signed Attachment #3** – Supply Bond
9. **Signed Attachment #4** - Authorization to Legally Bind Bidder
10. **Attachment #5** – Sample Contract – in your cover letter, state acceptance of terms and conditions.
11. **Signed Attachment #6** – Minority Women Emerging Small Business Form (MWESB)
12. **Schedule and Expense Itemization** for required conferences and inspections to be provided by Proposer:
 - a. **Timeline** – Provide detailed timeline/schedule for building ambulances, included estimated delivery date.

- b. **Pre-build Conference** – indicate how soon after award, a pre-construction Web-Ex Conference will be held. This conference shall take place after the initial engineering and drawing is complete and before the final sheet metal design is started.
- c. **Inspection Trip** - Selected vendor will provide transportation, lodging & meals (all-expense paid trip) for two City of Springfield employees to the manufacturer's site location for vehicle inspection/acceptance.

13. Spare parts and Maintenance Service Support - Provide in your response how you will meet the following requirements :

- a. Spare parts shall be available to ship within 24 hours of request
- b. Parts availability shall be guaranteed for the life of the unit (10 years)
- c. Provide samples of the follow that will be delivered with the unit:
 - A recommended parts stocking list for all fast moving parts.
 - All parts needed for the first preventative maintenance (PM)
 - A comprehensive parts list for all items needed for a routine PM
 - Recommended number of PMs each year for the first seven (7) years
 - Estimated number of hours for each PM recommended each year during the first seven (7) years, broken down by year.

One original and (5) five copies of the proposal clearly marked “RFP #1493- Ambulances” and contained in a sealed envelope or box shall be received no later than 2:00 PM local time, September 21, 2015 at the following address:

City of Springfield
 Administrative Services Dept.
 Attention: Jayne McMahan, Contract Manager
 225 Fifth Street, Springfield, Oregon 97477

Proposals will be opened on September 21, 2015 at 2:00 pm local time. All proposals shall be valid through 90 days after the RFP closing date.

III. Contact Person

Proposers may contact Jayne McMahan for further information regarding this process. **Contact with other City officials may be grounds for disqualification.** Jayne McMahan can be reached by email at jmcmahan@springfield-or.gov or by phone at (541) 726-3708. Questions regarding specifications will be forwarded by Jayne McMahan to the appropriate Eugene Springfield Fire personnel when more detailed technical explanations are required, and upon receipt of response from Eugene Springfield Fire personnel, Ms. McMahan will disseminate the information by written addenda issued by the City (See Section VII).

IV. Evaluation and Selection Criteria

A committee comprised of representatives from the Eugene-Springfield Fire will review the Proposals for conformance with the requirements of the Request for Proposals. Conforming Proposals will be evaluated according to the criteria listed below.

1. Proposal Review

- a. The committee will use the selection criteria as identified in section #2 below to score each proposal. Based on the strength of the Proposals received, the committee may elect to identify finalists and schedule appointments for demonstrations, presentations and/or interviews. Following the demonstrations, presentations and/or interviews, if any, the committee will make a final selection based on the best overall interests of the City of Springfield. The committee will rely on information provided in the Proposals and during demonstrations, presentations and/or interviews, if any, as well as information provided by references.

2. Evaluation Criteria

- a. Proposals will be evaluated and scored using the criteria listed below.

Criteria	Possible Points
Conformity of submitted proposal to this RFP	5
Warranties	10
References from at least 3 recent customers within the past 2 years	15
Conformity to Specifications per Attachment 1	35
Total Price per Ambulance	40
Spare parts & maintenance service support	30
Total	135

- b. Demonstration, Presentation and/or Interview

The City may, at their sole discretion, if desired, request a demonstration of a unit the Proposer has recently built. In the event of such demonstration the context of the demonstration will be viewed in the criteria of conformity to specifications in Attachment 1 Ambulance Bid Specifications.

c. Tie Breaker

In the event of a tie during the evaluation process, the tie will be broken by taking the highest scoring proposer based on Conformity to Specifications. If still tied, highest scoring proposer based on price will break the tie.

V. Schedule For Selection Process

Request for Proposals Package Available	August 10, 2015
Proposals Advertised	August 10, 2015
Request for Equal specification Due	August 31, 2015, 12:00pm
Response to Equal Spec. Requests	September 8, 2015
Proposals Due /Opening	September 21, 2015 2:00 pm
Interview/Demonstration (if necessary)	September 29, 2015 (Approximate)
Notice of Intent to Award	October 10, 2015 (Approximate)
Contract Awarded	November 3, 2015 (Approximate)

VI. Late Proposals Not Considered

Proposals must be received by 2:00PM local time on September 21, 2015 at the address listed above. Any proposals received after the deadline will not be considered. Faxed or emailed proposals will not be accepted.

VII. Addenda to RFP

In the event that it is necessary to amend, revise, or supplement any part of the RFP, City of Springfield will post addenda on the City website (www.springfield-or.gov) and will make reasonable effort to provide addenda to all Proposers to whom City provided the initial RFP. This includes the amendment of dates in the Schedule for Selection Process. Any addenda so issued are to be considered part of the specifications of the RFP. City is not responsible for any explanation, clarification, interpretation or approval made or given in any manner except by written addenda issued by City.

Addenda may be downloaded from the City of Springfield home page (www.springfield-or.gov) by clicking on the Purchase/Contracts hyperlink, or by contacting Jayne McMahan at jmcmahan@springfield-or.gov. Prospective Proposers are requested to confirm receipt of downloaded Addenda by email to City of Springfield, Attn: Jayne McMahan at the above email address.

In case of any doubt or differences of opinion as to the services to be furnished hereunder, or the interpretation of the provisions of the RFP, the decision of City shall be final and binding upon all parties.

VIII. Contract

The successful Proposer will be expected to enter into a contract with the City of Springfield. A sample of the contract is attached herein as Attachment 5.

IX. Negotiation Of Agreement

City reserves the right to negotiate a final contract which is in the best interest of City considering cost effectiveness and quality control. Once a tentative selection has been made by the evaluation committee, Staff will attempt to negotiate a contract with the preferred Proposer. If the negotiations are not successful, staff will negotiate with other qualified Proposers in the order of their respective qualifications until an agreement is reached or staff decides to terminate the selection process. If contract negotiations are successful, the contract will be forwarded to the appropriate City authority for award.

X. Conditions, Benefits

Other contracting agencies may use this competitive process and contract, with no material change in the Original Contract requirements, terms, conditions or prices as a basis for executing a separate agreement in their own name with the Vendor. Any Amendments must be generally stated, in Writing, in the Solicitation Document and the Original Contract pursuant to OAR 125-247-0805 and OAR 137-047-0800. Any material, goods or services sold by Vendor to such other agencies shall be ordered by, delivered to, and paid by that agency. By acting to contract with another contracting agency under this provision, Vendor agrees to indemnify and hold the City of Springfield, its Councilors, officers, employees and agents harmless from any claim arising out of: the appropriateness of another contracting agency's decision to use Springfield's competitive process and the material contract terms in this Contract; procedural obligations such other contracting agency may have had under ORS 279A.215, ORS 279A.220 and ORS 279A.225 in order to use the City of Springfield's process and contract terms; Vendor's and such other agency's adoption of different contract terms; and, their performance or failure to perform the contractual obligations of their separate agreement.

XI. City Selection Discretion

City reserves the right to reject any or all proposals and to waive irregularities and informalities in the selection process. The City further reserves the right to negotiate, amend, and refine proposals in consultation with one or more of the prospective Proposers.

XII. Proposal Ownership

All material submitted by the Proposers shall be considered property of City, and City shall not be required to return same to any Proposer. The material submitted by Proposers will be treated in the same manner as City's own records.

After proposal opening, all proposals become part of the public record and are available for public review unless exempt under Oregon Public Records Law. Proposers wishing to exempt appropriate portions of their proposals from disclosure as public records are encouraged to discuss their concerns with City's Finance Director (address listed below) prior to the submissions of their proposals.

Bob Duey, Finance Director
City of Springfield Finance Department
225 Fifth Street
Springfield, OR 97477

XIII. Exceptions To RFP

If, for any reason, a Proposer should desire an interpretation of a term or condition of this RFP, find fault with the structure of this RFP or with the evaluation process, concerns may be submitted in writing to:

Jayne McMahan
City of Springfield
225 Fifth Street
Springfield, OR 97477
Phone: (541) 726-3708
jmcman@springfield-or.gov

City will make every effort to answer questions and, if warranted, amend the RFP. Responses to questions and amendments to the RFP will be posted on the City of Springfield home page (www.springfield-or.gov), click on the Purchase/Contracts page). Proposers who are unable or unwilling to meet one or more of the requirements of this RFP should include, as part of their response, written exceptions to those requirements. Such request shall be delivered on or before **August 31, 2015 noon.**

XIV. Equal Specification Change Requests

A prospective Proposer may deliver to Jayne McMahan, Contracts Manager at City of Springfield Finance Department, a written Equal Specification Change Request (Attachment 7) for any of the requirements listed in this Request for Proposal including but limited to Brand Names or Specifications listed in Attachment 1 Ambulance Bid Specifications. Such request shall be delivered on or before **August 31, 2015 noon.**

The City will review the change request and notify the prospective Proposer of the decision in writing prior to the RFP closing date. To the extent possible, the City will notify other prospective Proposers of any changes or modifications to the Request for Proposal.

XV. Protest

Any Proposer who has submitted a proposal to the City of Springfield and who is adversely affected by the City's award of the Contract to another Proposer and who desires to protest said award shall submit within 7 days after issuance of the Notice of Intent to Award the Contract, to submit a written protest of the award to the City of Springfield. Such right to protest shall conform to the requirements of OAR 137-047-0740 and specify the grounds upon which the protest is based.

Failure to file a protest as specified herein waives Proposers right to pretest or contest the award. An adversely affected Proposer must exhaust all avenues of administrative relief and review before seeking judicial review of the City's Contract award. Concerns must be submitted to:

Robert Duey
Finance Director
City of Springfield
225 Fifth Street
Springfield, OR 97477

XVI. Cost Of Proposal

The City of Springfield is not liable for any costs incurred by vendors for the preparation and presentation of their proposals. This includes any costs in the submission of a proposal or in making necessary studies or designs for the preparation thereof.

ATTACHMENT 1

AMBULANCE BID SPECIFICATIONS

Note: "Brand Name or Equal Specification" means a specification that uses one or more manufacturers' names, catalog numbers, or similar identifying characteristics to describe the standard of quality, performance, functionality or other characteristics needed to meet the contracting agency's requirements. Such a specification authorizes bidders or proposers to offer goods or services that are equivalent or superior to those brands named or described in the specifications. The City shall determine if the proposed substitution is equal or superior based on submittals given to us during the proposal process (See **XIV. Equal Specification Change Request**). All contractors will be notified of the "equal or superior substitution" prior to submitting their proposals, allowing everyone to bid the approved alternate product if desired.

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

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

TYPE I – AMBULANCE DIMENSIONS	
<p>Exterior Module Dimensions: (Approximate)</p> <ul style="list-style-type: none"> • Length 14' (168") • Width 8' (96") • Height 7'8" (93") <p>Interior Dimensions (Approximate)</p> <ul style="list-style-type: none"> • Length: Forward Wall to Rear Doors 160" • Width: Left Wall to Right Wall 92" • Floor Width: Left Cabinets to the Squad Bench 44.5" • Height: Floor to Ceiling (headroom) minimum 72" 	
EACH CHASSIS & CAB	
One (1)	<p>CHASSIS - FORD F-450 CHASSIS, 189" WB 4 x 4 F4G 2016 FORD F450 CHASSIS CAB, 189"WB 4x4 DRW (108 C.A.)</p> <p>POWERTRAIN / FUNCTIONAL</p> <ul style="list-style-type: none"> <input type="checkbox"/> Alternators dual heavy duty <input type="checkbox"/> Axle - Front mono-beam axle w/coil spring suspension <input type="checkbox"/> Axle Rear limited slip (4.10 ratio) <input type="checkbox"/> Batteries Dual 750 CCA <input type="checkbox"/> Brakes 4-wheel disc Anti-Lock Braking System (ABS) <input type="checkbox"/> Engine - 6.7L 4 Valve OHV Power Stroke® Diesel V8 <input type="checkbox"/> Engine block heater <input type="checkbox"/> Fuel Tank 40 Gallon <input type="checkbox"/> Shock absorbers Heavy Duty gas <input type="checkbox"/> Spare tire & wheel, includes jack <input type="checkbox"/> Springs, rear auxiliary <input type="checkbox"/> Stabilizer bars Front & Rear <input type="checkbox"/> Stationary elevated Idle Control (SEIC)

- Steering damper
- Steering power
- Tires LT225/70R x 19.5G BSW All-Season
- Transmission Torqshift ®6 speed SelectShift automatic w/overdrive

EXTERIOR

- Bumper front, chrome
- Door handles - black
- Fender vents front
- Glass Privacy
- Grille chrome - 2 bar
- Headlamps dual beam jewel effect
- License plate bracket
- Lights roof/marker clearance lights
- Light under hood service light
- Mirrors manually telescoping trailer tow mirrors w/power heated glass, heated convex spotter mirror & integrated clearance lights / turn signals
- Tow hooks (2) front frame mounted, (2) recessed in the rear kick plate panel
- Wheels 19.5" Aluminum
- Window rear manual sliding with privacy glass

INTERIOR

- Air conditioning manual
- Air conditioning vents black w/chrome ring
- AM/FM stereo w/digital clock/single CD/MP3 player & 4 speakers, Auxiliary audio input jack
- Convenience - Auxiliary power point, Coat hooks, RH/LH color coordinated, Dash-top tray, Dome lamp w/dual map lights, RH/LH door activated & I/P switch operated w/delay, Grab handles, Roof ride handles - front passenger
- Steering Wheel controls for radio and climate control
- Cruise control (steering wheel mounted)
- Door trim soft armrest/grab handle, upper and lower map pockets & reflector
- Floor covering black floor mat
- Headliner color coordinated molded cloth
- Hood release
- Horn dual electric
- Instrument panel color coordinated w/glove box, (4) air registers w/positive shutoff, power point
- Multifunction switch message center w/ice blue lighting (three button message control on steering wheel)
- Mirror rearview 11.5" day/night
- Outside Temperature Display
- Power equipment driver window, door locks & windows w/backlit switches & accessory delay
- 1-Touch up and down driver/passenger window
- Scuff plates color coordinated
- Bucket Seats
- Steering wheel black urethane w/tilt
- Sun visors color coordinated vinyl, single driver w/covered mirror, single passenger w/covered mirror
- Windshield wipers interval control

SAFETY / SECURITY

- Air bag- Driver & passenger, Frontal and side air bag/curtain, passenger side air bag deactivation switch
- Belt-Minder®- chime& flashing warning light on I/P if belts not buckled

	<ul style="list-style-type: none"> • Safety Belts color coordinated w/height adjustment (front outboard seating positions only) • Remote keyless entry & perimeter anti-theft alarm • SOS Post Crash Alert System • SecuriLock Anti-Theft ignition • MyKey <p>WEIGHT RATINGS</p> <table> <tr> <td>Front Gross Axle Weight Rating</td> <td>7000</td> </tr> <tr> <td>Rear Gross Axle Weight Rating</td> <td>12000</td> </tr> <tr> <td>Gross Vehicle Weight Rating</td> <td>16,500</td> </tr> </table> <p>ADDITIONAL OPTIONS</p> <p>OEM Vermillion or Race Red or Similar Steel Cloth Preferred equipment package XLT Trim Package Ambulance Prep Package Operator Commanded Regeneration (OCR)</p>	Front Gross Axle Weight Rating	7000	Rear Gross Axle Weight Rating	12000	Gross Vehicle Weight Rating	16,500
Front Gross Axle Weight Rating	7000						
Rear Gross Axle Weight Rating	12000						
Gross Vehicle Weight Rating	16,500						
One (1)	<p>ALUMINUM WHEELS - INCLUDED WITH CHASSIS Aluminum wheels shall be ordered with the chassis. These will include the hub, hat and lug covers.</p>						
One (1)	<p>REAR AXLE, 4:10 LIMITED SLIP 4.10 Limited slip rear axle</p>						
One (1)	<p>MUD FLAPS, FRONT WHEELS Rubber mud flaps for front wheels</p>						
One (1)	<p>SEAT COVERS – One set of washable/removable Cordura seat covers for the seats in the cab that are airbag compliant.</p>						
One (1)	<p>FUEL TANK - FULL UPON FACTORY RELEASE The chassis fuel tank of the completed unit shall be full at time of release from the ambulance manufacturer's facility.</p>						
One (1)	<p>SUSPENSION: AIR SUSPENSION – KELDERMAN The chassis shall have a Kelderman four air bag air ride suspension system with an automatic lowering feature when street side rear passage door is opened. A disable switch shall be provided at the rear doorway to deactivate the system. The system shall include dual electronic leveling valves, tank/compressor mounted inside the frame rail, 1-1/2" front and OEM rear stabilizer bars, and a heated automatic drain valve. The compressor and solenoid valve shall be able to be relocated if necessary.</p>						
One (1)	<p>BATTERY: TWO BATTERY SYSTEM - F SERIES CHASSIS The vehicle shall have a 12 V two (2) battery system rated at 1500 cold cranking amps. Both batteries shall be securely installed in the Ford OEM locations, under the vehicle hood.</p>						
One (1)	<p>BATTERY JUMP START SYSTEM An Associated Equipment Plug-in jump-start set Warn (WAR26769 or whatever necessary Warn Product to match current fleet) shall be provided and installed. The set shall include 800 amp clamps, 4 ft polarized socket box, and 25 foot 1g cables. The socket box shall be installed in a location to be determined at the pre-construction meeting.</p>						
One (1)	<p>ENGINE BLOCK HEATER - OEM PLUG An engine block heater shall be included in the chassis and shall be tied into the shoreline plug.</p>						
One (1)	<p>HEAT SHIELDS Protective heat shields shall be installed above the exhaust system as recommended by the chassis manufacturer.</p>						

One (1)	HIGH IDLE SYSTEM, AUTOMATIC An aftermarket auto high-idle system shall be provided on the chassis. The high-idle shall be programmed to activate when the transmission is placed in the park position and the parking brake is activated. The system will automatically go to high idle, but will adjust itself as needed for higher or lower idle. If the module heat or a/c is activated the high idle will be over ridden to 1500 rpm.
One (1)	LIGHT, DOME WELDON 8080 RED/CLEAR A Weldon #8080 dome light with red/clear push on/off lenses shall be installed in the cab headliner. The lights shall be activated by individual lamp switches.
One (1)	LIGHTS FOG, AMBER One (1) pair of amber fog lights, highest wattage allowed shall be installed. The fog lights will be activated via switching on the master control center, and only activate when the OEM headlights are dimmed.
One (1)	LIGHT, SPOTLIGHT - GOLIGHT STRYKER H.I.D. WITH REMOTE A Golight Stryker HID with black housing, permanent mount spotlight shall be installed on the cab roof. Operated via Wireless Dash-Mount model #30211. See Dwg #1
One (1)	MIRRORS, EXTERIOR OEM MANUAL TELESCOPING W/REMOTE & HEAT The chassis shall have OEM telescopic trailer tow mirrors with power adjustable flat heated glass and manual adjustable convex glass.
One (1)	OEM AUTO-LOCK DISABLED (cab & module doors do not auto lock or unlock)
One (1)	TIRE PRESSURE - LED VALVE CAP MONITOR RealWheels LED valve cap tire pressure monitors shall be provided and installed. This active monitoring system helps you maintain safe tire pressure by providing a quick, easy visual inspection of each tire, alerting of pressure variations with a bright red LED light.
One (1)	RUNNING BOARDS - STAR PUNCHED DIAMOND PLATE Aluminum diamond plate running boards with a star punched non-skid surface shall be provided on the cab. The running boards shall be bright dip anodized after they are formed to retain finish and increase corrosion resistance
One (1)	FUEL TANK, AUXILIARY Provide a 28 gallon auxiliary fuel tank. Both fuel tanks shall draw down together without a separate fuel tank selector.
One (1)	FUEL WATER SEPARATOR Provide fuel water separator with a drain indicator light
Two (2)	OUTLET, 12 VOLT POWER POINT (2) 12 volt power point connections, located in floor mounted center console in the cab.
One (1)	FRONT HITCH RECEIVER, 2" 2" front hitch receiver with 12 volt power for a Warn (WAR26769 or whatever necessary Warn Product to match current fleet) portable winch.
One (1)	STEERING WHEEL, SWITCH OPTION Provide standard Ford OEM option for switch controls in the steering wheel.
One (1)	IDLERITE SYSTEM IdleRite System: Provide <u>Havis</u> "IdleRight2" and remote starter or similar system to allow the vehicle to be parked with the emergency lights, radios, etc. activated with the engine off. System to restart the vehicle if the battery voltage drops below a predetermined threshold. The intent is to prevent vehicles that won't start due to discharged batteries. This system shall have a manual override to disconnect the system when connected to shore power.
One (1)	FLOOR CONSOLE - ANGLED FRONT - REMOVABLE PLATES - ALUMINUM The Console will be decided at the pre-construction meeting but will generally be a center floor console manufactured out of aluminum and covered in a black onyx scratch resistant, multi-use polychromatic coating with a clear epoxy finish and shall be installed in the cab. The console shall include an area to accommodate a Mobile Data Terminal display, it will consist of a flat area that shall contain the siren, two (2)

	drink holders, and a recessed storage area for maps and reports. The console face plates shall be removable for accessibility and serviceability.
ELECTRICAL SYSTEM	
	<p>ELECTRICAL SYSTEM - WELDON V-MUX, MICRO PROCESSOR BASED A Weldon V-MUX 100% solid state microprocessor based multiplex system shall be installed to control the electrical functions. The system shall include load management, load shedding, power modulation, load sequencing capabilities and provide on-board diagnostics with real-time status reporting. The system shall consist of one (1) color control console (Vista) in the cab, one (1) color control console (Vista) in the patient compartment, four (4) control nodes (Hercules), and a cab warning display with video input and monitoring capabilities.</p> <p>The system must be a Weldon V-MUX. <u>No exception.</u> Bidders who propose any other proprietary electrical system shall be considered as non-compliant.</p>
One (1)	<p>VISTA IV MCC - PUSH BUTTON and TOUCH SCREEN A Weldon V-MUX Vista IV interface module / display screen shall be provided and installed in the cab. The Vista module shall be operated through the use of push buttons and the touch screen.</p>
One (1)	<p>VISTA IV ACP - PUSH BUTTON and TOUCH SCREEN A Weldon V-MUX Vista IV interface module / display screen shall be provided and installed in the patient compartment. The Vista module shall be operated through the use of push buttons and the touch screen.</p>
One (1)	<p>WARNING DISPLAY - MULTIPLEX ELECTRICAL SYSTEM A digital warning display shall be integrated into the cab display console and programmed through the multiplex system to provide visual and audible indications for:</p> <ul style="list-style-type: none"> • Parking brake set condition • Parking brake release condition • Patient status alarm (four color with reset capability) • Individual outside storage compartment "door open" warnings in vehicle outline form. • Low voltage alarm • Low oxygen pressure alarm
One (1)	<p>DAYTIME RUNNING LAMPS - MULTIPLEX ELECTRICAL SYSTEM Headlights shall be activated at 30% intensity, for day time operation, when transmission is placed in drive, as a feature of the multiplex system. (if not standard on the chassis)</p>
One (1)	<p>MASTER CONTROL CONSOLE (MCC) - MULTIPLEX ELECTRICAL SYSTEM A floor mounted Master Control Console (MCC) shall be located in the cab. The console shall house the siren and the color microprocessor display screen, which will control all the Emergency Warning functions as well as also being able to control the Patient Compartment lighting and module heat/ac functions.</p>
One (1)	<p>ATTENDANT CONTROL PANEL (ACP) - MULTIPLEX ELECTRICAL The Attendant Control Panel (ACP) shall contain a color micro processor screen, which will control all equipment installed in the patient compartment.</p>
One (1)	<p>ELECTRICAL COMPARTMENT (PDQ) - MULTIPLEX ELECTRICAL SYSTEM The Power Distribution Quarters (PDQ) shall hold electrical components, (i.e. power distribution nodes, circuit breakers, etc). The electrical compartment shall be enclosed with a lockable, hinged door, located on the partition wall behind the attendant seat.</p>
One (1)	<p>SPARE CIRCUIT - MULTIPLEX ELECTRICAL SYSTEM One (1) spare 15 amp circuit shall be provided.</p>
One (1)	<p>WIRING HARNESS CONNECTORS - MULTIPLEX ELECTRICAL SYSTEM All wiring harnesses shall be connected via quick connect circular plug connectors.</p>

One (1)	RADIO TIE-IN POINTS - MULTIPLEX ELECTRICAL SYSTEM Radio tie-in points shall be installed and labeled in the lower area of the electrical compartment. The radio tie-in points shall be comprised of insulated terminal stud blocks with one "battery hot" and one "ignition hot".
One (1)	EMERGENCY MASTER SWITCH - MULTIPLEX ELECTRICAL SYSTEM A single emergency master switch shall be supplied for activating all the emergency warning lights and shall be provided on the master control console screen. The emergency master switch will activate the module power automatically. There shall also be an Emergency Master Menu button which shall allow access to individual warning light functions.
One (1)	CONTROL PANEL SWITCHES - MULTIPLEX ELECTRICAL SYSTEM The switches on the master control console and attendant control panel screens shall have dimmable perimeter backlighting for easy identification.
One (1)	MODULE POWER SWITCH - MULTIPLEX ELECTRICAL SYSTEM A module power switch for the electrical system shall be provided on both the master control console and the Attendant Control Panel screens.
One (1)	MODULE DISCONNECT - MULTIPLEX ELECTRICAL SYSTEM An In-Power disconnect with a built-in adjustable timer shall be installed to keep the module power switch engaged for five minutes, after the ignition is switched to the "off" position. This disconnect can also be activated from the side and rear doorways to turn on the fluorescent check-out lights.
One (1)	VOLTMETER - MULTIPLEX ELECTRICAL SYSTEM One (1) digital voltmeter shall be provided on the master control console screen.
One (1)	FLASHER - MULTIPLEX ELECTRICAL SYSTEM The flasher shall be provided within and programmed by the multiplex electrical system.
Two (2)	FRONT FLASHER UNIT Install two (2) clear TIR #RSC03ZCR Super LED lights mounted on the bumper below each headlight housing with chrome flanges RFLANGEC A control switch shall be provides on the driver's control panel.
One (1)	PARK OVERRIDE - MULTIPLEX ELECTRICAL SYSTEM A park override switch, located on the master control console screen, shall reactivate all lights disabled when the transmission is placed in the neutral/park position.
One (1)	LOAD MANAGER-SEQUENTIAL SWITCHING SYSTEM - MULTIPLEX ELECTRIC The load manager-sequential switching system shall be controlled by the microprocessor based electrical system. The emergency master switch shall control the sequential switching of the emergency lights and/or other warning devices. The load manager shall automatically shed not-critical electrical loads during low voltage conditions to help prevent electrical system overload when the vehicle is stationary and the transmission is in the park position.
One (1)	WARNING LIGHTS SWITCH - MULTIPLEX ELECTRICAL SYSTEM All flashing module warning lights shall be operated from a single switch on the master control console screen, labeled "flashers".
One (1)	FRONT CLEAR DISABLE SWITCH - MULTIPLEX ELECTRICAL SYSTEM Activation of the switch on the master control console screen shall disable all forward facing clear warning lights. When the master is on and the vehicle is in park, the forward facing white lights and the opticom shall be disabled.
One (1)	CURBSIDE SCENE LIGHTS "ON" WITH CURBSIDE DOOR - MULTIPLEX EL The curbside scene lights shall be programmed to activate when the curbside door is in the open position.
One (1)	REAR SCENE LIGHTS "ON" WITH REAR DOORS OPEN - MULTIPLEX ELEC The rear scene lights shall be programmed to activate when the rear doors are in the open position.
One (1)	DISABLE SWITCH FOR REAR SCENE LIGHTS - MULTIPLEX ELECTRICAL A disable switch shall be installed at the rear door area to disable the rear scene

	lights.
One (1)	DISABLE SWITCH FOR SIDE SCENE LIGHTS - MULTIPLEX ELECTRICAL A disable switch shall be installed at the curbside door area to disable the curbside scene lights.
One (1)	REVERSE (TRANSMISSION) FUNCTIONS - MULTIPLEX ELECTRICAL The system shall be programmed to provide activation for the rear outboard warning lights, the rear side warning lights, the rear scene lights, and the rear side scene lights, when the transmission selector lever is placed into "reverse" position.
One (1)	REVERSE ACTIVATION, FORWARD SIDE SCENE LIGHTS The side scene lights on the forward corners of the body to be activated with reverse in addition to lights activated per option
One (1)	VISTA IV, PUSH BUTTON & TOUCH SCREEN, CURBSIDE WALL, ADDITIONAL One (1) Vista IV push button and touch screen located on the curbside wall over the head end of the squad bench per dwg #6.
One (1)	BACKUP ALARM An (OSHA approved) back up alarm shall be installed with disable switch for silent backing. The disable switch shall be located on the MCC (master control console). The backup alarm system shall automatically reset to the "on" mode when the transmission is taken out of reverse.
One (1)	INVERTER/BATTERY CONVERTER/CHARGER, MagnaSine1000 (MMS1012-G) Magnum Pure Sine 1000 inverter with 50 amp charger. A remote inverter panel shall be installed in the action area. The Inverter shall be configured to turn on and off with the ignition. The inverter shall be equipped with an automatic transfer relay which disconnects the inverter when the shore power is applied. To include the following; auto transfer for shore power connection, on/off control near the primary action area.
One (1)	CAMERA REAR VIEW - SINGLE SYSTEM - VISTA SCREEN A colorcamera system connected to the cab Vista display screen shall be installed, providing rear view monitoring to the rear exterior of the module. The camera shall be connected to the video input provided in the cab's Vista screen. This camera image shall automatically be displayed on the MCC Vista when the vehicle is placed in reverse. The Vista shall resume normal operation when the vehicle is taken out of reverse.
One (1)	CAMERA PATIENT AREA SINGLE SYSTEM - VISTA SCREEN A colorcamera system connected to the cab Vista display screen shall be installed, providing rear view monitoring to the patient area of the module. The camera will be mounted as such looking front to back of the patient area. The camera shall be connected to the video input provided in the cab's Vista screen. The patient area camera is activated as needed by a switch on the master control console screen, labeled "Module Camera".
One (1)	ELECTRICAL CIRCUITS All electrical circuits shall have wiring and circuit protection suitable to the demand and must meet the national electric code (NEC) wiring requirements. All added on wiring (18 GA through 10 GA) shall be color coded and stamped with code numbers and functions every 4" for easy identification (all other wiring shall be color coded). SLX high temperature thermoplastic cross link wire shall be used. SGX insulated cable shall be used for all under hood / underbody battery and charging system cable. High temperature (375°F) thermoplastic loom shall be used on all harnesses.
One (1)	GROUND FAULT CIRCUIT INTERRUPTER (GFCI) A 125 VAC, 20 AMP circuit breaker with ground fault circuit interrupter (GFCI)

	electronic ground leakage detection shall be installed in the load center for the shoreline circuit.
One (1)	LIGHT, ATTENDANT CONTROL PANEL AREA - LED - WARM WHITE A TecniqSilho-X 2.75" round warm white LED light with SS trim ring, shall be mounted above the left wall forward action area counter. The light shall be operated through the a button on the ACP Vista screen labeled "Attendant Light".
One (1)	LIGHT, ELECTRICAL COMPARTMENT (PDQ) A 12 VDC light shall be located in the electrical compartment. The light shall be wired "battery-hot" to activate when the power distribution quarter's door is in the open position. The light shall be off when the door is in the closed position.
One (1)	LIGHT OSS COMPARTMENT - LED ROPE Each outside storage compartment shall be equipped with LED rope lighting which shall be located across the top and down both sides of the door opening, activated by a magnetic switch.
One (1)	LIGHT, STEPWELL - CURBSIDE DOORWAY - MINI LED SURFACE MOUNT A Whelen Mini-LED light shall be installed to illuminate the step well at the curbside doorway.
One (1)	SYSTEM ACTIVE AND CHECK OUT LIGHTS - 5 MINUTES A switch shall be located at the curb and rear entry doors that will allow activation of the V-MUX electrical system. There shall also be a check out light switch located at the curb and rear doors that will allow activation of the left LED ceiling/dome lights prior to entering the module. The system shall be programmed to shut down automatically after 5 minutes unless the ignition is on. This shutdown delay shall be user adjustable.
Eight (8)	LIGHTS, DOME LED (8) Whelen Eight (8) Super LED dome lights, Whelen #80C0EHCR, shall be provided in the patient compartment. The dome lights shall be controlled by separate switches for the left bank and right bank of lights. The dome lights shall be activated by switches on both the attendant control panel and the master control console. The dome lights shall be illuminated at 50% power whenever the patient compartment side or rear doors are opened.
Six (6)	OUTLETS, 125VAC - SIX (6) INTERIOR DUPLEX, SPECIAL LOCATIONS Six (6) 2-wire +plus ground 125 VAC hospital-grade duplex outlets shall be installed in the patient compartment with wiring connected to the shoreline. One (1) in rear action area (std) One (1) in lower front wall cabinet #3(std) One (1) above the foot end of the squad bench One (1) above the head end of the squad bench One (1) behind drivers cab seat base One (1) behind passengers cab seat base An indicator lamp shall be located within each 125 VAC outlet as a line monitor to indicate a live circuit. The outlets shall be labeled, "125 VAC". The exact location of the outlets shall be determined at the pre-construction meeting.
Two (2)	OUTLETS, 12VDC - TWO (2) INTERIOR POWERPOINT Two (2) 12 VDC power point outlets shall be installed in the patient compartment, one (1) in the front wall equipment area, and one (1) in the attendant control panel area in the street side cabinet. The outlets shall be labeled, "12 VDC". A Schottky diode medical isolator shall be provided to protect the 12 VDC outlets.
Two (2)	USB CHARGER JACK , 5VDC - TWO (2). Two (2) USB Type A 5 VDC charger jacks shall be provided and installed. These jacks shall have power and ground for charging low amperage equipment, such as cell phones. The jacks will need to be able to be used at the same time. The locations of the jacks shall be determined at the pre-construction conference.

Five (5)	<p>RADIO ANTENNA BASES - FIVE (5) Five (5) antenna bases with attached coax cables shall be installed on the module roof. Two (2) of the coax cables shall terminate in the PDQ, and three (3) of the coax terminations to be determined at the pre-construction meeting. Access to the antenna bases shall be through adjacent module interior dome lights.</p>
One (1)	<p>RADIO TIE-IN POINT - (1) 12V/25 AMP - CAB CONSOLE AREA One (1) set of 12 volt /25 amp radio tie-in points shall be installed in the cab console area of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" junction stud.</p>
One (1)	<p>RECEPTACLE SHORELINE INLET-SUPER 20 AMP, AUTO EJECT - RED COVER One (1) Kussmaul super auto eject shoreline inlet receptacles with red cover shall be installed. The receptacle shall be equipped with an integral dynamic disconnect. Location - drivers side, on the side of module near cab door. Preference is to eject to the side, not to the front.</p> <p>The 125 VAC, heavy duty 20-amp circuit breaker shall have GFCI protection and shall be connected to the lighted 125 VAC patient compartment outlet(s). A mating connector shall be shipped loose with the completed ambulance.</p>
One (1)	<p>SPARE CIRCUIT BREAKER, 20 AMP Provide one (1) spare 20 amp circuit breaker in the Electrical cabinet</p>
One (1)	<p>STRYKER POWER LOAD PREWIRE Add tapping plate and pre wire for a Stryker Power Load System</p>
One (1)	<p>FIRECOM INTERCOM SYSTEM Provide FireCom 5100D intercom w/o DMR. System to include 5100D control head. Three (3) UH51 wired headsets with PTT (red button). Three (3) FireCom HM-10 headset modules and three (3) headset hanger hooks, part #520-0676-00. Provide two way radio interface cable for Kenwood TK790H two way radio. Chassis AM/FM radio to interface with the intercom system. AM/FM to mute when Kenwood is transmitting or receiving. Locations of the components to be determined at the preconstruction conference.</p>
AUDIBLE WARNING OPTIONS	
Two (2)	<p>AIR HORNS - BUELL DUAL TRUMPETS 10" & 12", UNDR BMPR W/FT SW Air Horn - (Buell) 1062 dual trumpets, mounted under front bumper, one each side, compressor w/cover in OSS #2. The air horns shall be activated by a (1) driver's side floor switch and (1) passenger's side floor switch. Switches to be wired through the emergency master to prevent activation in non-Code 3 conditions</p>
One (1)	<p>SIREN, WHELEN 295-HFSA7-REMOTE WITH MICROPHONE A Whelen 295-HFSA7 remote dual siren amplifier shall be flush-mounted in the master control console located in the cab. The siren shall be capable of hands-free operation and shall be equipped with a noise canceling microphone. Some features of this siren include:</p> <p>DUAL 200 WATT, FLUSH MOUNT SIREN with REMOTE SIREN AMPLIFIER</p> <ul style="list-style-type: none"> • Six function siren plus radio repeat and public address. • Operates two 100-watt speakers. • Operates in dual (outputs 2 independent siren tones creating rich harmonic dual tone sound) or mono sound modes. • External dip switch programmable siren tones. • PTT (push to talk) switch on microphone overrides all siren functions. • Removable unidirectional microphone with adjustable microphone volume & adjustable preset radio repeat volume. • SI TEST®, silent diagnostic test. • Quick disconnect plug for ease of service or replacement. <p>12 Siren Tones</p> <ul style="list-style-type: none"> • Airhorn • Wail • Yelp • Piercer • Manual Coast to Stop

	<ul style="list-style-type: none"> • Manual • Mechanical Coast to Stop • Hi/Low • Yelp 249 • Warble • Whoop • Mechanical Tone
One (1)	<p>SIREN SPEAKERS, WHELEN SA315 - IN THE BUMPER OPENING 30-10-0814</p> <p>Whelen dual 100 watt siren speakers shall be installed in the bumper opening.</p>
One (1)	<p>ADDITIONAL SIREN - Federal Eq2B</p> <p>Siren will have (2) foot switches, one on the driver and passenger side. The speaker will be 200 watt, located in the bumper opening. There will be a removable Mic for PA.</p> <p>This is in-addition to this Whelen Siren</p>
EXTERIOR LIGHTING	
Four (4)	<p>LIGHTS, FRONT GRILLE - (4) WHELEN 500 SUPER LED (2-RED/2-BLUE)</p> <p>Four (4) Whelen 500 series super LED warning lights, two (2) red with red lens and two (2) blue with blue lens and waterproof connectors shall be installed in the grille area of the chassis. The lights shall operate from a switch on the master control console labeled "Flashers". These light will flash in an "X" pattern.</p>
Seven (7)	<p>LIGHTS, FRONT MODULE - WHELEN (7)900 - (3)RED, (2) BLUE, (2) WHITE, ALL WITH CLEAR LENS</p> <p>Seven (7) Whelen 900 series super LED warning lights with chrome flanges shall be installed on the module front. There shall be three (3) red with clear lens, two (2) blue with clear lens, and two (2) white with clear lens. IPOS. Per dwg #1</p>
One (1)	<p>LIGHT, OPTICOM, INFRARED PRIORITY CONTROL SYSTEM -792H</p> <p>An Opticom <input type="checkbox"/> Infrared system shall be installed on the module front utilizing the 792H Emitter. The control system provides positive guidance for emergency vehicles and sustains flow control for traffic engineering.</p>
One (1)	<p>LIGHTS, REAR TAIL - WHELEN400LED STOP, TURN, & MAXIMUM INTENSITY BACK-UP</p> <p>One (1) pair each of Whelen 600 series LED stop/tail lights, turn lights, and fully populated MAXIMUM intensity LED back-up lights with chrome bezels shall be installed on the rear of the module.</p>
Two (2)	<p>LIGHTS, REAR WINDOW-LEVEL - WHELEN (2)900 SUPER LED - AMBER</p> <p>Two (2) Whelen 900 series amber super LED warning lights with amber lenses and chrome flanges shall be installed on the rear of the module at window level, one (1) on each side. These lights shall operate from a switch on the master control console, labeled "Flashers".</p>
Seven (7)	<p>LIGHTS, REAR MODULE -WHELEN (7) 900 SUPER LED</p> <p>Two (2) Whelen 900 series blue super LED lights w/clear lens, two (2) Whelen 900 series super LED amber, two (2) Whelen 900 series LED scene/load lights, and one (1) Whelen 900 series red super LED light w/clear lens shall be installed on the rear of the module w/chrome flanges. Center red light to function as brake light.</p> <p>See dwg #2</p>
One (1)	<p>LIGHT, LICENSE PLATE LED</p> <p>One (1) Whelen OACOEDCR LED license plate light with 45 deg angled chrome-plated bezel shall be installed on the rear of the module, lower left side.</p>
Five (5)	<p>LIGHTS, ICC / LED CLEARANCE - ON MODULE FRONT - TECNIQ</p> <p>The vehicle shall have five (5) amber Tecniq LED (S33-AA00-1) clearance / ICC lights on the front of the module near the roof line.</p>
Five (5)	<p>LIGHTS, ICC / LED CLEARANCE - ON MODULE REAR - TECNIQ</p> <p>The vehicle shall have five (5) red Tecniq LED (S33-RR00-1)clearance / ICC lights on the rear of the module near the roof line.</p>
Eight (8)	<p>LIGHTS, UNDERBODY EIGHT (8), TECNIQ E10 LED</p> <p>There shall be eight (8) Tecniq E10 white LED lights mounted on brackets underneath the truck in the following locations; each cab door, one side of the body just forward of the rear wheels, one each side of the body aft of the rear wheels, one each centered under front and rear bumpers. The lights shall turn on automatically when the vehicle is shifted into park. The lights may also be activated or disabled by</p>

	a switch on the MCC Vista display screen labeled "Underbody Lights".
	LIGHTS, ICC / LED CLEARANCE - WITH CHROME BEZELS ON MODULE SIDE The vehicle shall have surface mounted Peterson MFG LED clearance / ICC lights with chrome bezels: one (1) red on each side at the rear of the vehicle which will also function with the turn signals.
Two (2)	LIGHTS, INTERSECTION FRONT - WHELEN TIR6 Two(2) Whelen TIR6 #50RB3ZCR red/blue LED, one (1) on each side.
Four (4)	LIGHTS, SIDE MODULE SCENE - WHELEN 900 24 DIODE LED - CLEAR Four (4) Whelen 900 series (clear 2-40° light spread) 24 Diode LED scene lights with chrome flanges shall be installed, two (2) each module side, inboard of the warning lights. These lights shall operate from switches on the master control console labeled "Left Scene Light" and "Right Scene Light".
Four (4)	LIGHTS, SIDE MODULE WARNING - WHELEN 900 SUPER LED - RED W/CLR LENS Four (4) Whelen 900 series red super LED warning lights with clear lenses and chrome flanges shall be installed, two (2) each module side, outboard of the side module scene lights. These lights shall operate from a switch on the master control console labeled "Flashers".
Two (2)	LIGHTS, INTERSECTION REAR - WHELEN TIRE6 LED - RED/BLUE Two (2) Whelen 700 series split red/blue super LED warning lights with clear lenses, chrome flanges and water-proof connectors, shall be installed above the rear wheel wells, one (1) on each side. These lights shall operate from a switch on the master control console screen labeled "Flashers".
	SPECIAL FLASH PATTERN, REAR MODULE Upper and lower Whelen amber lights on the rear of the module to flash in a coordinated X flash pattern.
	SPECIAL FLASH PATTERN, GRILLE LIGHTS Upper and lower Whelen 500 grill lights to flash in a coordinated X flash pattern.
CUSTOMER SUPPLIED COMPONENTS	
	CUSTOMER SUPPLIED RADIO - ONE (1) KENWOOD TK790H w/REMOTEHEADS Install Kenwood TK790H radio with two (2) remote heads. Control head to be located in the module radio cabinet. Remote heads to be located in the cab console exact placement to be determined at the pre-construction meeting.
	CUSTOMER SUPPLIED COT HOOK One (1) Customer supplied cot hook to be installed in a location to be determined in the pre-construction meeting.
	CUSTOMER SUPPLIED FLASHLIGHT - TWO (2) Two (2) Customer supplied Flashlights to be installed in locations to be determined in the pre-construction meeting.
MODULE BODY CONSTRUCTION	
	<p>MODULE BODY CONSTRUCTION - SEAMLESS The module shall be fabricated entirely of parts cut and formed from .125" (minimum) thickness 5052-H32 flat aluminum sheet stock, using CNC machines capable of .0004" repeatability. This is the only alloy that may be used for body parts that are welded together.</p> <p>The roll-cage type interior super-structure, aluminum partition and module shall all be welded together into a single unit to give optimum strength for patient and attendant protection. The module roof shall be designed with a minimum 1.5" crown to facilitate water run-off.</p> <p>The floor, roof, sides, and all exterior doors shall be fabricated from .125" (minimum) thick flat aluminum sheet stock. The exterior joints between the roof and side components shall be continuous full seam welded the entire length of the module. All exterior body panel joints shall be continuous full seam welded.</p>

	No VHB bonding tape or other adhesives shall be used in the construction of the ambulance module.
	<p>AWS ALUMINUM CERTIFIED WELDERS AWS Aluminum Certified Welders shall construct the module.</p> <p>AWS certificates shall be required to be part of the completed bid packet. Bids without AWS certificates shall be considered non-compliant (no Exception).</p>
	<p>CONNECTIONS, MODULE The module shall be bolted to the chassis frame rail with (12) 5/8" -11 grade 8 bolts through OEM rubber insulating spacers installed on outriggers at twelve (12) separate locations (six each frame rail), providing noise insulation and easy removal for chassis replacement. The frame mounting bolts shall be properly torqued and secured with locktite. The system used for fastening the module to the frame shall be that approved by the chassis manufacturer.</p>
	<p>ALUMINUM PARTS - MODULE EXTERIOR All unpainted exterior aluminum parts shall be bright dip anodized after fabrication to retain the finish and increase corrosion resistance.</p>
	<p>CORROSION MINIMIZATION - MODULE All module contact with dissimilar metals shall be minimized with the use of nylon screw-hole inserts to prevent fastener contact with the module body, nylon hinge strips, ceramic coated stainless steel hinge bolts, and ECK brand corrosion inhibitor spray.</p>
	<p>DOOR SKINS, OUTSIDE STORAGE COMPARTMENTS - DIAMOND PLATE INTERIOR SKINS The interior door skins for all outside storage compartments shall be constructed of .063" thick aluminum diamond plate.</p>
	<p>DOOR CONSTRUCTION - GASKET PLACEMENT All exterior hinged module doors shall be constructed in an inverted pan-formed design. The pan shall be constructed from .125" thick 5052-H32 flat sheet aluminum. The exterior door skin shall be constructed of .190" thick aluminum and welded to the pan.</p> <p>Door gaskets shall be attached to the interior side of the door skin. Gaskets attached to interior door frames are not satisfactory and shall not be accepted.</p>
	<p>EXTERIOR COMPARTMENTS DESIGN All exterior compartments shall include these features:</p> <ul style="list-style-type: none"> • Sound absorbing slip resistant polyurethane material shall be sprayed on the inside of all compartments and compartment shelving, slide out trays and closeouts. • Baffled seep holes shall be provided to prevent water from splashing or seeping into the exterior compartments. • Full-length, two-way adjustable, stainless steel hinges on all exterior compartment doors with 3/16" stainless steel hinge pins. • Compartment doors shall be installed, flush with the module body. • When double doors are provided, each door shall have an exterior handle, but only the forward door shall be lockable. (rearward door is secured when forward door is locked). All exterior compartments and passage doors shall be keyed alike. • Lockable, Eberhard "free-floating" type chrome plated handles with rotary locks. A gasket shall be installed under each handle to protect the paint. • Drip rails shall be installed above all exterior compartment doors.
	<p>EXTERIOR COMPARTMENTS, VENTING A minimum of nine (9) square inches of venting shall be provided inside the #1, #2, #3, & #4 exterior storage compartments to provide for easier closure of the compartment doors.</p>

	<p>EXTERIOR COMPARTMENTS, VENTING - OXYGEN STORAGE A minimum of nine (9) square inches of venting shall be provided in the exterior oxygen storage compartment, to dissipate any leaking oxygen gas.</p>
	<p>EXTERIOR COMPARTMENTS - SWEEP-OUT Exterior module compartments shall be of a sweep-out design to aid in facilitation of the purchaser's routine care and cleaning of the vehicle.</p> <p>All exterior compartment floors, with the exception of the front ALS compartment shall be constructed to be flush with the bottom door frame.</p>
	<p>HANDLES, EBERHARD - CHROME FREE FLOATING TYPE Eberhard #EMC-1-2110 chrome "free-floating" handles shall be installed on each exterior module door. The handles shall be large enough to accommodate a gloved hand.</p>
	<p>INSULATION - POLYURETHANE SPRAY FOAM The walls, ceiling, passage doors, outside storage doors, the entire underside of the module floor (except for mounting pads), the underside of the outside storage compartments, the wheel wells, and the underside of the curbside step area shall be completely foam - in - place insulated with nominal 3/4" thick sprayed on class I, urethane foam for thermal and acoustical insulation. The insulation shall comply with FMVSS #302 flame spread requirements. The underside of the body shall be properly prepared to ensure adhesion before the spray insulation is applied.</p>
	<p>SOUND DEADENING PACKAGE Audioguard acoustic coating shall be applied to help reduce structure-born vibrations and associated sound transmission. The entire floor, the left wall, the ceiling, and the left and right panels forward of the partition shall be covered at the manufacturers recommended thickness.</p>
	<p>ZTECH UNDERCOATING – Or Similar Product The entire underbody (excluding drive shaft, wheels, fuel tank, and 12" either side of exhaust system) shall be sprayed with ZTECH (Or Similar) under seal for reduced corrosion.</p>
	<p>THRESHOLD, STAINLESS STEEL - EXTERIOR STORAGE COMPARTMENT Each exterior storage compartment with a hinged door shall have a stainless steel lower threshold at the door opening to protect the paint as equipment is installed and removed from the compartment.</p>
	<p>LOWERED MODULE SIDES Module sides to be as low as possible and still comply with KKK-1822-F ramp break over angle. Lowered sides will allow easier entry into the module as well as increased compartment storage.</p>
	<p>DOORS – SIDE ENTRANCE There shall be a curbside door opening in the patient compartment approx. 31"W x 75"H. The doors shall be flush without a protruding flange or lip. The door shall have a lockable, chrome exterior handle. The handle shall be installed with a gasket to protect the paint. The hinge shall be full length stainless steel with a 3/16" stainless steel hinge pin and shall be two-way adjustable. There shall be a heavy duty spring door check installed at the top of the door. The door check will hold the passage door open at an approx. 90 degree angle on any road surface. The doors shall be lockable from the inside and outside. A drip rail shall be installed above the door.</p> <p>The doors shall shut on molded, air-core, automotive type door seals to prevent any water from leaking into the vehicle interior. The door shall have an access port adjacent to the rotary locks.</p>
	<p>DOORS - REAR PASSAGE There shall be a 47.50" wide x 59" high rear door opening in the patient compartment. The doors shall be flush without a protruding flange or lip. The right rear passage door shall have a lockable, chrome exterior handle. The left rear door</p>

	<p>shall have a non-locking, chrome exterior handle. All handles shall be installed with a gasket to protect the paint. The hinge shall be full length stainless steel with a 3/16" stainless steel hinge pin and shall be two-way adjustable. Each rear door shall have a two point slam action automotive type rotary latching system to the body. The right rear door shall lock to the body at the top and bottom, not to the left rear door. The doors shall have .213" steel door latch activator rods with turn buckle adjusters. The doors shall be lockable from the inside and outside.</p> <p>All doors shall shut on molded, air-core, automotive type door seals to prevent any water from leaking into the vehicle interior. Each door shall have an access port adjacent to the rotary locks.</p>
One (1)	<p>FENDERETTES – POLISHED ALUMINUM One pair of polished aluminum fenderettes shall be installed around the rear wheel well openings.</p>
One (1)	<p>FUEL FILL PROTECTOR - STAINLESS STEEL A stainless steel fuel fill protector shall be provided and installed.</p>
One (1)	<p>DEF TANK FILL PROTECTOR - STAINLESS STEEL A stainless steel DEF tank fill protector shall be provided and installed.</p>
One (1)	<p>HOLD-OPEN - REAR DOORS - GRABBERS Door grabbers (1 pair) with hard rubber inserts shall be installed on the rear doors, permitting a door hold open position of 180 degrees.</p>
One (1)	<p>SWITCH DOOR UNLOCK - HIDDEN IN FRONT GRILLE AREA An exterior hidden door unlock switch shall also be included and located in the front grille area.</p>
Three (3)	<p>KEYLESS ENTRY - (3) 3 REMOTE KEY FOBS Three (3) keyless entry remote transmitter key fob shall be provided. This remote transmitter will be programmed to operate with the other keyless remote transmitter key fobs, provided. The key fob transmitter shall lock/unlock all powered locks provided on the cab, the module passage doors, and the outside storage compartments.</p>
	<p>LOCKS POWER - PASSAGE, COMPARTMENTS, KEY FOBS Power door locks shall be included on module passage doors and five (5) outside storage compartments. The locks shall be activated from the interior of the rear door and the curbside doorway, as well as the OEM chassis cab door switches. A keyless entry system shall be installed. The system shall operate with the OEM key fobs to lock/unlock all chassis and module doors.</p>
One (1)	<p>MUD FLAPS, REAR - BLACK RUBBER FIBERGLASS REINFORCED – NO LOGO One (1) Pair of Black rubber, fiberglass reinforced mud flaps with a minimum 1/4" thickness shall be bolted to the underside of the module behind the rear wheels. The width and length of the flaps shall provide adequate coverage of the rear dual wheels of the chassis.</p>
One (1)	<p>REAR STEP/BUMPER</p> <ul style="list-style-type: none"> • Should be a welded construction covered by bright aluminum diamond plate. • The Center section below the doors should have grip strut open flow design to prevent accumulation of water and snow and provide no less than a 7" step. • Install stainless steel edge guards • The outmost corners should be angles to reduce damage. • Diamond plate should be formed on the front and rear edges for strength. • The bumper should be easily removable and replaceable in the case of damage. • Shall include two (2) recessed tow eyes.

	<ul style="list-style-type: none"> • Rear step installation shall comply with AMD standard 018. • A strip of black PVC shall be installed on the face of the step to protect the patient cots during loading.
	RUB RAILS, ANODIZED ALUMINUM Bright dip anodized polished aluminum rub rails shall be installed on the lower sides of the body below the outside compartment sill areas. The rub rails shall be offset 3/16" from the body to facilitate wash down of road debris
	STEPWELL, CURBSIDE DOORWAY - MID STEP AREA An aluminum diamond plate step well and mid-level step shall be installed in the curbside doorway threshold area.
	KWIKEE STEP, ELECTRIC Mounted under the curbside door. It should be a Kwikkee Step wired to open and close automatically with the side door. Final position to be determined at pre-construction.
	STONE GUARDS, MODULE FRONT - ANODIZED DIAMOND PLATE (24" H) Bright dip anodized aluminum diamond plate stone guards shall be installed on the lower 24" of the module front, one (1) each side. These stone guards shall be 14" wide.
	KICKPLATE/THRESHOLD, REAR DOORWAY - ANODIZED DIAMOND PLATE A bright dip anodized aluminum diamond plate kick plate shall be installed at the rear exterior doorway, providing a kick / scuff plate at the rear of the vehicle above the rear step.
Two (2)	TOW EYES, RECESSED REAR KICK PLATE Two (2) tow eyes to be attached to the frame rails and recessed into the kick plate above the rear bumper.
	WINDOWS, PASSAGE DOOR - (CURB SLIDING, REAR FIXED) The curbside passage door shall have a 16" x 23" openable (<i>sliding</i>) window with removable screen. Each rear passage door shall have a 19" x 18" non-openable window. The distance between the rear window glass shall not exceed 6" to assure maximum vision to the rear. The Windows will be tinted. The level of tint will be as such not to allow people seeing into patient area. Even at night with lights on inside the patient area. The windows shall be secured with black oxide coated fasteners. No warning lights shall be blocked from view when the curbside or rear doors are open.
	TURTLE TILE/DRY DECK MATTING OR SIMILAR PRODUCT (LT GRAY)- BOTTOM OF OUTSIDE COMPARTMENTS Lt. Gray Turtle tile/Dry Deck matting with ramps shall be installed in the bottoms of outside storage compartments #1, #2, #3, #4, and #5 to ensure proper ventilation of the compartment and stored equipment.
MODULE SPECIAL OPTIONS	
One (1)	BACKBOARD RESTRAINT STRAPS (PAIR) Provide pair of back board restraint straps. Location to be determined.
Nine (9)	HOOK, FIRECOM HANGER, 520-0676-00 Firecom hanger hook; 520-0676-00. Locations to be determined at the preconstruction conference.
EXTERIOR/OUTSIDE STORAGE (OSS) BODY COMPARTMENTS	
	OSS #1 - STREETSIDE FORWARD The compartment door shall be a single hinged door with a locking handle installed on the exterior of the door. The door will be held open with a spring loaded gas cylinder. It will have a clear opening of 55.35"H x 18.25"W, inside dimension of 64.75"H x 24.50"W x 20.75"D The Interior of OSS #1: will have (2) additional strips of shelf track mounted vertically

	<p>on the back wall.</p> <p>SHELF TRACK - EXPOSED - OSS #1 Unistrut 1-1/4" x 3/4", 19 gauge channel shall be installed in outside storage compartment #1.</p> <p>SHELF ONE (1) IN OSS #1 One (1) adjustable shelf with sprayed on polyurethane material shall be provided and installed in outside storage compartment #1.</p>
	<p>OSS #2 - STREETSIDE CENTER Shall have a 44.25" high x 39.50" wide clear door opening with double doors and shall have 47.75" high x 45.50" wide x 20.75" deep interior dimensions. One (1) fusee holder shall be installed on the inner door skin of the forward compartment door. The compartment shall have double doors held open with a spring loaded gas cylinders. An exterior handle shall be installed on each door. A locking handle shall be installed on the forward door.</p> <p>SHELF TRACK - EXPOSED - OSS #2 Install exposed shelf track in OSS #2. The exposed tracks shall be welded in place and coated with Gatorhyde or Like Product for a cleaner look and no exposed fasteners. Install horizontal on the fore and aft walls for future customer installation of tools and equipment.</p> <p>UNISTRUT TRACK Install on back wall of OSS #2 in addition to the standard shelf track</p> <p>SHELF, NONE (0) OSS #2 No adjustable shelf in OSS #2.</p>
	<p>OSS #3 - STREETSIDE REAR - TALL DOOR Clear opening of 73.25"H x 31.25"W, inside dimension of 82.75"H x 35"W x 20.75"D. This compartment shall have inside/outside access. The compartment door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door.</p> <p>SHELF TRACK - EXPOSED - OSS #3 Unistrut 1-1/4" x 3/4", 19 gauge channel shall be installed in outside storage compartment #2. These exposed tracks shall be welded in place and coated with Gatorhyde or Like Product for a cleaner look and no exposed fasteners.</p> <p>SHELF FOUR (4) IN OSS #3 Install four (4) adjustable shelf in OSS #3.</p> <p>FIXED SHELF, OSS #3 Provide fixed shelf in OSS #3 per drawing #4</p> <p>DIVIDER(S) FIXED IN OSS #3 Install two (2) fixed dividers. To accommodate <u>Stryker</u> 6252 Stair Pro that is 8" wide (folded) x 20.5" deep x 37.5" tall. Exact placement to be determined at the preconstruction conference.</p> <p>DIVIDERS - ADJUSTABLE FOR BACKBOARDS (8 total - 4 top of comp, 4bottom of comp) Eight (8) adjustable L-shaped backboard dividers shall be provided and installed on shelf track in OSS #3. (four at the top and four at the bottom of the compartment). The dividers shall be 8" high and be fabricated out of .190 aluminum. Rubber gasket shall be installed on the edge of dividers to cushion the backboards.</p>

	OXYGEN STORAGE REAR ACCESS W/SLIDE OUT Oxygen storage under the squad bench with slide out and rear module access door. Dual M cylinder.
	OSS #4 – CURBSIDE REAR OSS #4; double door, clear opening = 19.25H x 31.50" W, inside dimensions = 20.75"H x 36.50"W x 20.75"D per dwg. 4. (1) adjustable shelf The compartment door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door.
	OSS #5 - CURBSIDE FORWARD OSS #5: Clear opening of 60.50"H x 22.50"W, inside dimension of 5B 19"H x 25.25"W x 18"D per dwg. 4. One (1) adjustable shelf. The compartment door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door.
INTERIOR MODULE OPTIONS & FEATURES	
	ROUNDED INTERIOR CORNERS Interior vertical edges shall have rounded corners in the following locations: forward and aft edges of the CPR seat, the wall at the aft end of the squad bench, the partition opening cabinet edges and the upper front wall cabinet.
One (1)	COMBINATION LOCK - SYMPLEX PUSH BUTTON A Simplex combination lock shall be installed on interior cabinet door(s), as determined at a pre-construction conference.
	LATCHES CABINET - CHROME / STAINLESS STEEL The ACP (attendant control panel) door, the PDQ (power distribution quarters) door, and the radio cabinet door shall be secured with chrome locking lever latches, all remaining interior hinged cabinet doors and drawers shall be secured with Southco stainless steel locking flush pull latches.
Seven (7)	DIVIDER - INTERIOR CABINET - CUSTOM ADJUSTABLE w/ NO SHELVES,SEVEN (7) Install seven (7) custom acrylic dividers with adjustment slots at one-inch increments within specified cabinet(s) (without shelves). Install in curbside cabinets #3 & #4 above the squad bench. Dividers to be mounted to the ceiling of the cabinets to leave a flat, unobstructed floor.
Nine (9)	SHELF LINER INTERIOR CABINET SHELF Soft padded non-skid 1/8" thick liner shall be installed on the shelves located in the interior cabinets. Number of shelves to be lined to be determined at pre-construction meeting.
INTERIOR MODULE LAYOUT	
	CABINET - LEFT WALL, UPPER REAR #1 - RESTOCKING HINGE (UP) Install a flip-up restocking hinge on cabinet #1. Door opening of 11.25"h x 20.75"w and interior dimensions of 13.75"h x 22.75"w x 17.25"d per dwg. 5. The cabinet shall contain one (1) adjustable shelf on each side.
	LEFT WALL - ATTENDANT CONTROL PANEL - REMOVABLE PANEL The color microprocessor screen shall be installed on an angled hinged access panel and secured with two (2) latches. The panel will be located to the immediate right of the attendant's seat. The forward portion of the panel will contain a flat area that may be used for future radio mounting etc. The color microprocessor screen shall be installed on a removable panel per dwg. 5.
	CABINET - LEFT WALL, UPPER OVER PANEL #2 RESTOCKING HINGE Install a flip-up restocking hinge on cabinet #2. The cabinet shall contain one (1) adjustable shelf. See dwg #5. Door opening of 14.25"H x 61.25"W, inside dimensions 16.75"H x 63.25"W x 17.25"D
	CABINET - LEFT WALL, LOWER REAR #3 - INSIDE/OUTSIDE Cabinet #3 - Door opening 26.25"H x 21."W, inside dimensions OSS#3 per dwg. 5.

	Door to be left side hinged (no slider).
	<p>PRIMARY ACTION AREA</p> <p>The primary action area shall be located beside the attendant seat with work area dimensions of 48.50" wide x 17.00" deep.</p>
	<p>SECONDARY ACTION AREA</p> <p>The secondary action area shall be located to the rear of the CPR seat with work area dimensions of 21.00" high x 18.00" wide x 17.00" deep.</p>
	<p>SHARPS, DROP IN, ACTION AREA COUNTER</p> <p>Drop in sharps for a 5 Qt. Covidien (85131) with Mailbox style lid. container per dwg. 5.</p>
	<p>CABINET, LEFT WALL, #4</p> <p>Cabinet #4, top hinged acrylic door, locking push/pull flush latch. Door opening 6"H x 31.25" W. Inside dimension of 6"H x 31.25"W x 17.25"D per dwg. 5.</p>
	<p>CABINET, LEFT WALL #5</p> <p>Install a flip-up restocking hinge on cabinet #5. Cabinet #5 with sliding acrylic doors and (1) adjustable shelf. Door opening of 17"H x 31.25"W. Inside dimensions of 18.75"H x 33"W x 8"D per dwg. 5.</p>
	<p>CABINET - FRONT WALL, UPPER #1</p> <p>Door opening; 13.25"H x 23.75"W, Inside dimensions 13.25"H x 23.75"W per dwg. 7. Top hinged acrylic door with locking stainless steel flush pull latch and (1) adjustable shelf.</p>
	<p>DRAWERS, FRONT WALL, UPPER #2</p> <p>Comp. #2 per drawing #7. Four (4) drawers above cabinet #3 (all same size). Inside dimensions; 3.5"h x 10.75"w x 16.5"d. Locking stainless steel flush pull latches</p>
	<p>CABINET - FRONT WALL, LOWER #3 - INSIDE/OUTSIDE ACCESS</p> <p>Front Wall, Lower #3 See dwg #7. Door opening; 39.25"H x 25.25"W. Inside dimension of 43"H x 31.50"W x 26.50"D. (1) adjustable shelf. Open storage</p>
	<p>CABINET, FRONT WALL, LOWER PASS THRU #4</p> <p>Inside dimensions; 5.75"h x 16.25"w x 19.50"d per dwg. 7. Lift up lid/countertop to access storage area, Aluminum door to have D handle. Lower portion of the cabinet to house a OTE 19511 temperature controlled cabinet.</p>
	<p>CABINET - FRONT WALL, LOWER BELOW PDQ (SINGLE VENTED DOOR)</p> <p>The compartment below the power distribution cabinet (PDQ) shall have a door opening of 9.00 high x 11.75" wide with interior dimensions of 9.00" high x 11.75" wide x 21.50" deep. The compartment shall have a vented, hinged aluminum door secured by a chrome locking lever latch. Door to open towards rear of the ambulance module.</p>
	<p>One (1) PASS THROUGH - CAB TO MODULE</p> <p>A window opening shall be provided in the rear of the cab to accommodate pass-through communications to the patient compartment. A bellows shall be provided to connect the cab to the module.</p>
	<p>CLIMATE CONTROL –</p> <p>OEM Air Conditioner, Heat & Defroster with controls on the cab dash.</p>
	<p>PATIENT COMPARTMENT CLIMATE CONTROL - A Second OEM complete air conditioning system, should be provided for the ambulance patient module.</p> <p>The heater/air conditioner air return shall be filtered to minimize contamination of the heater/air conditioner cores. The cab and module environmental systems shall be simultaneously capable of heating in the front while cooling in the rear and vice-versa. A thermostatically controlled rear system shall be provided for heating and air conditioning the patient compartment.</p> <p>The temperature, whether heating or cooling, shall be controlled by a thermostat built into the attendant control panel screen, located in the street side cabinet and from the cab master control console screen. Heating and cooling may be selected</p>

	<p>automatically or manually. The system will be capable of maintaining a temperature of 65°F to 78°F while patients are in the patient compartment. The heater/air conditioner system shall function only when the ignition system and the module power switch are on. Connecting hoses for heating and cooling system will be readily accessible for servicing at the installed location. Connecting hoses for heating and cooling will be supported by rubber-installed metal clamping devices at least every 18". The rear heater shall have EPDM/Nomex heater hoses. The rear air conditioner shall have barrier air conditioner hoses for R-134A refrigerant. Full module HVAC controls shall be located on both the rear V-MUX screen and the cab V-MUX screen.</p>
	<p>HEAT/AIR CONDITIONING, CENTRAL DUCTED SYSTEM Central ceiling ducted system per dwg. 7 and 9. The pulse-width-modulated output of the microprocessor based electrical system, shall be provided for high volume air movement with minimal noise.</p>
	<p>ATTN SEAT - EVS HiBAC, INTEGRAL CHILD, SWIVEL BASE A rear facing EVS HiBAC attendant seat shall be installed at the head of the patient cot. The seat shall be equipped with a sliding swivel base and incorporate an integral child safety restraint system. The seat shall be covered with color coordinated vinyl and equipped with an automatic retracting safety seat belt.</p>
	<p>CPR SEAT - WIDE - W/HINGED SEAT BOTTOM - STORAGE BELOW A 30" wide CPR seat shall be installed on the street side of the patient compartment aft of the main action area counter. The seat, backrest, and sides of the seat shall be covered with color coordinated, cushioned vinyl. The bottom seat cushion shall be hinged with a storage area located below. The interior of the storage area shall be sprayed with sound absorbing polyurethane material. An automatic latching fastener shall be installed to secure the CPR seat lid in the closed position. The seat shall be equipped with a red automatic locking, retractable seat belt.</p>
	<p>SQUAD BENCH BASE STORAGE (COMPARTMENT #2) A storage area shall be provided in the squad bench base (compartment #2). The interior dimensions of the storage area shall measure 14.25" high x 77.00" wide x 21.00" deep. The squad bench base shall be constructed of .090" thick aluminum for maximum storage capacity and minimum weight. The interior of the squad bench shall be sprayed with sound absorbing polyurethane material.</p> <p>Per drawing 6; Inside dimensions 15.25"H x 37"W x 21"D. Rear access O2 storage to take up the aft storage.</p>
	<p>SQUAD BENCH LID - NO SHARPS AND TRASH ACCESS The squad bench lid area shall be 15.75" wide x 74.00" long. The padded cushion shall be 15.50" wide x 59.50" long. The squad bench cushion shall be covered with color coordinated vinyl upholstery material and shall be one-piece, liftable on a full length continuous hinge. The squad bench cushion upholstery shall be sewn with seams only at the vertical corners to minimize entrapment of fluids. An automatic latching fastener shall be installed to secure the squad bench lid in the closed position.</p> <p>Automatic locking, retractable red seat belts shall be provided for three (3) people while seated on the squad bench or for one (1) person lying down.</p>
Two (2)	<p>HOLD OPENS - SQUAD BENCH LID - GAS CYLINDERS Two (2) gas cylinders hold -opens shall be provided and installed to hold the cushion in the open and closed position.</p>
One (1)	<p>TRASH CONTAINER, 7 QUART, SHARPS, DROP IN, CURBSIDE Provide 7 quart drop in waste container and drop in 5 Qt. Covidien (85131) with Mailbox style lid in the curbside #1 cabinet at the head end of the squad bench per dwg. 6.</p>
	<p>CABINET, CURBSIDE #1 Curbside cabinet #1 per drawing #6. Right hinged aluminum door with locking st/st flush pull latch for misc. storage below the drop in trash. Door opening of 24"H x</p>

	11"W and inside dimensions of 24"H x 11"W x 19"D
	CABINET(S), RIGHT WALL, ABOVE FOOT END OF SQUAD BENCH Cabinets, two (2) above foot end of the squad bench per drawing 8. Both with left hinged acrylic doors with locking st/st flush pull latches. One (1) shelf per cabinet. Door opening of both; 11"H x 8.75"W and inside dimensions of 12.75"H x 10.5"W x 7"D.
	CABINETS, RIGHT WALL #3 & #4 ABOVE SQUAD BENCH Cabinets #3 & #4 per drawing 6. Both with sliding plexiglass doors. No shelves. Door opening of #3 and #4; 8"H x 37.75"W and inside dimensions of 8"H x 39.5"W x 5"D. Build out the squad bench back pads. There should be a minimum of 15" from the backpads to the edge of the bench cushion (extend the squad bench cushion if necessary). Restocking style doors on both cabinets.
INTERIOR MODULE CONSTRUCTION & FINISHES	
	CAD drawing should be supplied at the time of bid encompassing all sides of the vehicle interior and exterior.
	CABINET CONSTRUCTION - INTERIOR - ALUMINUM All interior cabinets shall be constructed of .090" thick welded aluminum. Wood products shall not be used in the construction of any interior cabinet. All cabinet exteriors, interiors, drawer fronts, drawer interiors, and aluminum doors shall be sealed with a washable sprayed-on multi-use polychromatic coating.
	RECESSED ADJUSTABLE SHELF TRACK – CABINET Unistrut 13/16" x 13/32", 19 gauge channel shall be installed in the interior cabinets that contain adjustable shelves. The track shall be welded in and recessed to reduce the number of fasteners and provide a cleaner look.
	CABINET DOORS - BRONZE ACRYLIC All sliding cabinet doors shall be nominally 1/4" thick light bronze acrylic material. The sliding cabinet doors shall be installed in aluminum track lined with PPL inserts to eliminate rattles and prevent the doors from opening during transit. An edge mounted aluminum handle shall be installed on each sliding cabinet door.
	CABINETS/ WALLS - POLYCHROMATIC COATING - MARBLE STONE All exposed side walls, the partition wall (on the patient compartment side only), the headliner, along with the cabinet and drawer fronts, aluminum doors, cabinet and drawer interiors shall be covered with a washable #20-63 Marble Stone sprayed-on multi-use polychromatic coating, to create a laminate-free interior.
	COUNTER TOP - SOLID ACRYLIC - RAVEN BOULDER (BLACK) A Meganite or similar product solid acrylic counter top, Raven Boulder (black) #810, with a 1/2" lip shall be installed to prevent equipment from sliding off. The solid acrylic counter top shall be provided on both the primary and secondary action area counters, fore and aft of the CPR seat.
	UPHOLSTERY - SPRADLING "ARCTIC" SLATE GREY #9012 All cushions, head pads and seats shall be covered with Spradling International "Arctic" Slate Grey # 9012 expanded vinyl upholstery material. The arctic vinyl and all foam cushion material shall comply with FMVSS #302 flame spread requirements.
	LONPLATE II, NON-SLIP EMBOSSED SM. GRID - GUNMETAL #424 The floor in the patient compartment shall be covered with Lonseal brand "Lonplate II" non-slip; small grid (embossed) Gunmetal #424, resilient sheet vinyl flooring material, which shall be covered 3-inches up the wall on the street side, and to the top of the squad bench base on the curbside. The flooring material shall be stripped and waxed before delivery.
INTERIOR MODULE OPTIONS	
One (1)	ASPIRATOR / SUCTION - SSCOR - WITH ELECTRIC PUMP - COUNTER TOP An SSCOR suction system with a 12 VDC electric vacuum pump shall be recessed into the street side lower interior wall near the attendant's seat. The system shall be activated by a switch on the attendant control panel. The SSCOR vacuum pump exhaust shall be vented to the exterior of the vehicle.

Six (6)	<p>ASSIST HANDLES, (6) BLACK RUBBER</p> <p>A total of six (6) 10-7/8" black vulcanized rubber with steel core assist handles shall be provided and installed: one (1) handle on each rear door, one (1) on the curbside door, one (1) at the curbside doorway and two (2) at the rear doorway</p>
One (1)	<p>CLOCK - FRANKLIN DIGITAL - REAR HEAD PAD 50-60-0099</p> <p>A Franklin digital clock shall be installed in the head pad above the rear module passage doors.</p>
One (1)	<p>COT FASTENER - CUSTOMER SUPPLIED STRYKER POWER LOAD SYSTEM - CENTER POSITION</p> <p>A Customer Supplied Stryker Power-LOAD, power-loading cot fastener system (center mount) shall be installed on the module floor to accommodate a Stryker cot. 3/8" thick aluminum tapping plates shall be installed below the aluminum floor to secure the cot fastener system. (does not include cot).</p>
	<p>DRY ERASE BOARD WITH MARKERS AND ERASER - CURBSIDE</p> <p>A dry erase board shall be installed on the curbside wall in a location to be determined at a pre-construction conference. Two (2) dry erase markers and one (1) eraser shall be shipped loose with the completed ambulance.</p>
	<p>EMBLEMS / SIGNS - REAR PATIENT COMPARTMENT</p> <p>Two (2) "No Smoking / Oxygen Equipped / Fasten Seat Belts" signs shall be provided. One (1) sign shall be installed in the cab and one (1) above the oxygen outlets in the patient compartment street side cabinet.</p>
	<p>EXHAUST VENTILATOR, 3-SPEED - MULTIPLEX ELECTRIC SYSTEM</p> <p>A three-speed, 300 CFM (minimum) exhaust fan meeting KKK-A-1822F requirements shall be provided and located in the street side cabinet in the patient compartment. The exhaust fan shall be pulse width modulated from a switch on the attendant control panel vista screen. The exhaust system shall have a louvered grille inside and a chrome vent outside. The exhaust system shall vent through the side of the vehicle, not through the roof.</p>
	<p>FLOOR CONSTRUCTION- PATIENT COMPARTMENT, NON-WOOD COMPOSITE</p> <p>The sub-floor in the patient compartment shall be constructed of .125" thick aluminum over .125" and .190" thick reinforcing hat sections and mounting laterals. The aluminum sub-floor shall be covered with a single piece of 3/4" non-woodcomposite material. All corner molding, edging and trim shall be anodized aluminum or stainless steel and shall be sealed to prevent fluids from seeping under the cabinets.</p> <p>Wood floors are not satisfactory and shall not be accepted by the purchaser.</p>
	<p>FLOORING - COVE</p> <p>The patient compartment floor radius shall be coved with pre-formed floor coving material. The coving shall be installed behind the vinyl floor covering, along both the street side and curbside walls.</p>
Three (3)	<p>GLOVE DISPENSER - (3) BOX - ABOVE ENTRY DOOR - CURBSIDE</p> <p>A three (3) - box glove dispenser unit, with a clear plexi hinged access panel with three (3) cut-outs, shall be recessed above the curbside entry door. The dispenser shall be 8.25" high x 33.50" wide with interior dimensions of 5.38" high x 30.25" wide x 3.25" deep.</p>
	<p>GRAB RAILS, 1-1/4" DIAMETER, ANTI-MICROBIAL(YELLOW) 96" AND 64"</p> <p>Two (2) 1-1/4" diameter stainless steel, yellow Anti-microbial grab rails shall be installed on the ceiling of the patient compartment. One (1) 64" rail shall be installed over the squad bench area and one (1) 96" rail shall be installed over the patient cot area for attendant/patient balance control. The 96" grab rail will be attached to the ceiling with three (3) mounting brackets that secure it to the super structure of the module. Installation of each grab rail shall comply with AMD-008 requirements.</p>

	<p>HEADLINER - REAR PATIENT COMPARTMENT The headliner in the patient compartment shall be one-piece, seamless, .090 thick aluminum finished with sprayed-on multi-use polychromatic coating.</p>
Two (2)	<p>I V HANGERS - BUTTON STYLE CLIP Two (2) button style IV holders to be provided per Dwg. #5 & #6.</p>
One (1)	<p>I V WARMER - SMITHWORKS - INSIDE (1) INTERIOR CABINET One (1) Smithworks 12VDC IV warmer shall be provided in the patient compartment of the unit. The exact location of this warmer will be determined at a pre-construction meeting.</p>
Three (3)	<p>OXYGEN OUTLETS (2) WALL/(1)CEILING - OHIO MEDICAL TYPE Three (3) Ohio Medical flush mounted, quick release outlets shall be installed. One (1) in the forward street side cabinet action area, one (1) shall be installed in the wall above the squad bench and one (1) shall be installed in the ceiling above the head end of the cot.</p>
Two (2)	<p>FLOW METER, OXYGEN - THORPE STYLE Two (2) Thorpe style oxygen flow meter (15LPM) shall be shipped loose with the completed vehicle.</p>
	<p>OXYGEN SYSTEM, ELECTRIC - MULTIPLEX ELECTRIC SYSTEM A 12 VDC controlled electric O2 system operated through the v-mux multiplex electrical system shall be provided and installed.</p> <p>The oxygen system shall be completely installed and include a pre-set oxygen regulator with a cylinder pressure gauge and a 200 PSI safety valve with all necessary piping and connections. The oxygen system shall be completely low pressure, and the regulator shall be fastened directly to the cylinder. The regulator shall be set to operate at approximately 50 PSI. The oxygen cylinder shall be installed so the system may be easily turned on and off at the main cylinder valve from the patient compartment. The oxygen cylinders shall be provided by the purchaser.</p> <p>The oxygen system monitor shall be readily available to the attendant while seated at the head of the cot as part of the microprocessor based electrical system. Flexible conductive oxygen hose with a minimum 900 lbs. burst rating shall be installed between the regulator and the oxygen receptacles. The system shall be tested and tagged in conformance with NFPA-56-F and KKK-A-1822F.</p> <p>The electric oxygen system shall be provided with an on/off switch on the attendant control panel screen. The emergency manual bypass valve shall be located near the oxygen storage compartment in the patient compartment.</p> <p>Dual M Oxygen System, electric, system to include dual solenoids, regulators, manual override. System to be switchable from the action area from tank #1 to tank #2</p>
	<p>PADDED EDGING PROTECTION Padded corner edging shall be installed where necessary on exposed corners and edges in the patient compartment for patient and attendant protection.</p>
	<p>PADS, HEAD AND BACK Vinyl upholstered, foam cushioned head/back pads shall be installed as follows: the lower edge of the upper front wall cabinet (above the partition doorway or window), above the rear doors, above the side door, on the street side wall behind and each side of the CPR seat, and on the curbside wall behind the squad bench. The pads shall be covered with a flame retardant color coordinated vinyl upholstery material.</p>
Two (2)	<p>RADIO SPEAKERS, STREETSIDE (OEM RADIO) Two (2) stereo speakers shall be installed in the upper streetside side panel in the cab. There shall be no OEM speakers in the patient compartment.</p>
	<p>SQUAD BENCH FACE - VINYL FLOORING MATERIAL</p>

	The face of the squad bench shall be covered with vinyl flooring material.
	DOOR PANELS - MODULE PASSAGE DOORS - FULL LENGTH STAINLESS STEEL The inner door panels shall be made from brushed stainless steel.
	STAINLESS STEEL WALL PROTECTION - INTERIOR STREETSIDE A brushed stainless steel panel shall be provided on the street side wall from the bottom of the CPR seat cushion down to the flooring material to protect this area when the cot is taken in or out of the vehicle.
	TURTLE TILE/DRY DECK - SKID-RESISTANT MAT, CURBSIDE STEPWELL Skid resistant charcoal gray turtle tile/dry deck style matting shall be installed in the curbside step well
	PORTABLE OXYGEN STORAGE, THREE (3) D BOTTLES Provide three (3) storage slots for D sized oxygen bottles in the front wall storage cabinet #3 per dwg. 4 and 7. The storage slots will be attached to the bottom of the adjustable shelf located on the inside / outside compartment on passenger side of patient module.
	GRAB RAILS, MODULE ENTRY DOORS, ANTI MICROBIAL (YELLOW) Grab rails on the interior surface of the module rear and side entry doors to be antimicrobial (yellow).
PAINT & GRAPHICS	
	PPG PAINT PROCEDURE All non-anodized aluminum module body surfaces shall be completely chemically steam cleaned, filled with premium body filler as needed, sanded smooth and primed with F-3993 epoxy primer and then primed again with F-4930 high solid primer. The cured primer surfacer shall be DA sanded with 320 grit and cleaned with DX-330. F-4930 high solid primer shall then be applied, where needed, as a sealer.
	CLEAR COATING - MODULE PAINT The entire module shall be clear-coated, using a PPG process, sprayed over the final paint coat.
	BUFFING, PAINT - MODULE The paint on the module sides shall be buffed to a high shine using a recommended paint buff system.
	CAB - OEM PAINT Cab to be painted Ford OEM red
	PAINT MODULE, TWO TONE, PLUS CLEAR COAT Two tone paint on module: Black GB-56590 upper 17" and wrap 2" of roof, to match Ford OEM red cab paint on lower module.
	CHEVRON STRIPING - FULL COVERAGE / GRAPHICS Chevron striping 6" wide inverted "V" shall be installed on the complete rear of the module. Striping color to match 3M Diamond Grade red 983-72 and fluorescent yellow green 983-23. Striping to extend only up to the upper black paint break.
	REFLECTIVE AVERY STRAIGHT STRIPE, 10" WIDE ON CAB AND MODULE 60-20-0510 A ten (10) inch wide reflective Avery stripe shall be installed straight around the cab and with angle on the module. The stripe color and location will be determined at the pre-construction meeting.
	BLACK REFLECTIVE MATERIAL IN RUB RAILS Rub rails shall incorporate a 5/8" wide black reflective scotchlite safety accent stripe.
	DOOR REFLECTIVITY Reflective material (25" x 2.5" red/silver chevron style) meeting FMVSS 108 requirements shall be installed on the lower interior stainless steel panel of each rear door and hinged side door. If a sliding side door is provided, it shall have a 1.50" x 40.00" white reflective stripe

	installed on the rear facing edge.
	<p>"KKK" STARS OF LIFE & LETTERING PACKAGE-INSTALLED A "KKK" lettering and star of life package will be installed. The lettering shall be installed in the "KKK" prescribed dimensions, colors, and locations. "Ambulance" lettering shall be provided and installed on each side, the rear and in reverse image on the chassis hood. The stars of life decals shall be installed in the "KKK" dimensions, color, and placement. Stars of life will be installed as follows: (2) on the chassis hood, (1) on each module side, (2) on the module rear, and (1) on the module roof. Lettering and stars of life decals shall be blue in color.</p>
	<p>REFLECTIVE MATERIAL, MODULE ENTRY DOORS IATS Install red/silver reflective striping on the vertical edge of each door, full height of each module entry door</p>
	<p>MODULE ROOF, OEM WHITE Module roof painted OEM white approximately 2" in front edge</p>
	<p>TOUCH UP PAINT, SHIPPED LOOSE Provide touch up paint for all custom cab/body colors</p>
	<p>INSTALL CUSTOMER SUPPLIED DOOR EMBLEM Install three (3) customer supplied emblems.</p>
	<p>STRIPE, BURLED GOLD LEAF, ON BODY PAINT BREAK Provide approximately 1" burled gold leaf stripe on the upper body paint break. Stripe to wrap all four sides of the body.</p>
Forty Five (45)	<p>BURLED GOLD LEAF LETTERING, 5" Provide and install approximately 5" burled gold leaf letters</p>
Eighteen (18)	<p>BURLED GOLD LEAF LETTERING, 8" Provide and install approximately 8" burled gold leaf lettering.</p>
Four (4)	<p>UNIT NUMBER HOLDERS & PLATES WITH NUMBERS Provide and install holders for unit number plates. Dimensions to match current fleet. Holders can be stainless steel and installed using bonding tape. Plates to be red and easily removable yet secure with matching numbers to the current fleet. Mounting locations to match customer supplied photos.</p>
CERTIFICATIONS, MANUALS & WARRANTIES	
	<p>KKK-A-1822F COMPLIANCE A KKK-A-1822F compliance sticker, electrical load analysis sticker, and payload sticker shall be installed in the oxygen compartment. Any deviations from KKK-A-1822F shall be listed in the vehicle delivery packet with a notation on the-compliance sticker.</p>
	<p>VEHICLE MANUALS (1) PACKAGE SET One (1) Delivery Manual Package shall be supplied with the vehicle, and shall include the following items:</p> <ul style="list-style-type: none"> • Ambulance manufacturer parts, service and operation manuals • OEM chassis owner's guide • Complete 12 VDC and 125 VAC wiring schematics for all included standard and optional systems • Multiplex Electrical system programming - electronic media
	<p>WARRANTIES MANUFACTURER WARRANTIES: The ambulance manufacturer shall provide Warranty coverage as follows:</p> <p>A. Structural Module Warranty - Limited Life Time</p> <p>B. Ambulance Conversion Warranty - 2 Years/30,000 Miles</p>

	<p>C. Electrical Warranty (Multiplex-based systems) - 7 Years/ 84,000 Miles</p> <p>D. PPG Paint Warranty - This pro-rated warranty covers the areas of the ambulance body finished with specified PPG products for a period of 7 years from the date of manufacture or 84,000 miles whichever occurs first. The first four years or 48,000 miles are covered at 100% parts and labor. The fifth year or up to 60,000 miles is covered at 75% parts and labor, and the sixth and seventh years or up to 84,000 miles are covered at 50% parts and labor. Paint repairs must be pre-approved by the Manufacturer/PPG and performed by the Manufacturer or a Braun Authorized Service Center.</p> <p>NOTE: Copies of these Warranties shall be provided to the purchaser in the bid response.</p>
REPORTS, TRIPS & TRAINING	
	<p>WEEKLY PROGRESS PHOTO REPORT Weekly progress photo report to be provided by the builder</p>
	<p>CUSTOMER TRIP(S), DEALER PROVIDED Dealer to provide for preconstruction trip for two (2) customer travelers. Normal travel expenses for one (1) round trip from Eugene, Oregon.</p>
	<p>FINAL INSPECTION, DEALER Dealer only to perform final inspection of the vehicles at the factory. Customer will perform their final inspection at the dealer facility.</p>

ATTACHMENT 2

BID FORM

BASE QUOTE				
Qty	UOM	Item Description	Unit Price	Extended Price
2	EA	Current Model Year Ambulance per Specifications		
1	EA	Operator Training (as required by department)		
2	EA	Technical Training		

OPTIONS
The following are optional items that may be purchased. The calculation of lowest responsible offeror will include the price of items chosen for purchase unless otherwise noted in the quote document.

Qty	UOM	Item Description	Total Price
One (1)	EA	Extended Warranty – 1 year	
One (1)	EA	Extended Warranty – 2 year	
One (1)	EA	Extended Warranty – 3 year	
One (1)	EA	Extended Warranty – 4 year	
One (1)	EA	Extended Warranty – 5 year	
One (1)	EA	A CLASS® - COMPRESSIBLE LIQUID ADAPTIVE SUSPENSION SYSTEM, shall be provided and installed. Utilizing a strut, with a compressible fluid as the spring/damping medium, and its sophisticated on-board microprocessor, CLASS® adapts the entire vehicle's response to road variations and the driver. Unlike current steel and air sprung suspension systems, CLASS® can automatically and instantaneously change the spring stiffness and damping at each wheel over a very broad range with minimal power consumption while the vehicle is being driven and without driver intervention. The system shall include an automatic lowering feature, which is activated by opening the rear patient compartment doors. There shall be a switch near the rear doors which will defeat the lowering feature.	
One (1)	EA	Stryker Powerpro XT stretcher with XPS Accessory installed, compatible with the Stryker Powerloader	
One (1)	EA	Bariatric load system including ramps and winch assembly capable of transferring a maximum weight of 1600 lbs. Including any necessary mounting hardware for use with the Stryker Bariatric Stretcher. To be installed as per manufacturer instruction. Must be removable and transferable to other units.	
One (1)	EA	F550 Cab Chassis 4X4	
One (1)	EA	F550 Cab Chassis 4X2	
One (1)	EA	F550 Gasoline V10 in-place of V8 diesel bid above with reference of like departments who are using them.	
One (1)	EA	Trade in of 2005 Freightliner ambulance VIN# 1FVACWDD05HU11908	

One (1)		<p>DOOR SLIDING - MODULE CURBSIDE PASSAGE The module body shall include a sliding side entry door to access the curbside of the patient compartment. The door shall slide out and towards the rear of the module body. The door design must meet FMVSS 206 for sliding doors and shall have been cycle tested in excess of 100,000 cycles. The door shall not extend out more than 5 1/4" from the module when in the open position and shall be flush in the closed position. The door shall operate on a total of nine (9) casters and three (3) tracks for ease of operation. The door shall be held closed with two (2) rotary latches and two (2) locking tabs. The door must have a system to prevent the door from self-closing, when unit is parked on an incline. A measured force of ten (10) pounds maximum shall be required to release the door from the open to closed position. A chrome locking handle shall be installed on the exterior of the door. The door shall be lockable from the inside and outside and shall shut on molded air-core, automotive type door seals to prevent any water from leaking into the vehicle interior. A drip rail shall be installed above the door.</p>	
Two (2)		<p>CUSTOMER SERVICE TECHNICIAN TRAINING, DEALER PROVIDED Dealer to provide for technical service training of two (2) service technicians. All expenses including food, lodging, and transportation to be incurred by the selling dealer. Transportation will be to and from Eugene Airport.</p>	

Will you allow us to perform in-house warranty repairs for the Chassis and reimburse the City of Springfield for those costs?
YES _____ NO _____

Will you allow us to perform in-house warranty repairs for the module and reimburse the City of Springfield for the costs incurred?
YES _____ NO _____

SUPPLY BOND

Bond No.:

KNOW ALL MEN BY THESE PRESENTS: That _____, called the Principal, and _____ a _____ corporation, with its home office located in _____, called the Surety, are held and firmly bound unto _____, called the Obligee, in the amount of _____ U.S. Dollars (\$ _____), for the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein.

WHEREAS, Principal entered into that certain material contract with the Obligee dated _____ for _____, a copy of which is by referenced made a part hereof ("Material Contract").

NOW, THEREFORE, if Principal shall faithfully comply with all terms and conditions of said Material Contract, or if the Principal shall pay, indemnify, and hold harmless the Obligee from all direct damages sustained by the Obligee as a result of any default by the Principal under the Material Contract, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, however, that it is a condition precedent to recovery under this bond that written notice of any default claimed under the Material Contract be provided to Surety at the following address:
_____ within 60 days from the date of default; and

PROVIDED, further, that any suit by the Obligee under this bond must be instituted before the earlier of: (a) the expiration of one year from the date the Principal was obligated under the Material Contract to deliver the materials to the Obligee, or (b) the expiration of one year from the date any other default by the Principal under the Material Contract. If the limitation set forth in this bond is void, prohibited by law or unenforceable for any reason, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable, and said period of limitation shall be deemed to have accrued and shall commence to run no later than the earlier of (y) the date the Principal was obligated under the Material Contract to deliver the materials to the Obligee or (z) the date of any other default by the Principal under the Material Contract; and

PROVIDED, further that no right of action shall accrue on this bond to or for the use of any person or corporation other than the Obligee named herein or its successor.

Signed this _____ day of _____, 20_____.

(Principal)

By: _____

By: _____, Attorney-in-Fact

Attachment 4

Authorization to Legally Bind Bidder

The person executing this Bid and the instruments referred to herein on behalf of the Bidder has the legal power, right, and actual authority to submit this Bid, and to bind the Bidder to the terms and conditions of this Bid.

(Signature of person authorized to bind Bidder) Dated

Print Name of Person signing as authorized to bind Bidder

Title of Person signing as authorized to bind Bidder

Firm Name

Phone

Address

Fax

City, State, Zip

email address

ATTACHMENT 5

SAMPLE CONTRACT

**CITY OF SPRINGFIELD
PURCHASE AGREEMENT
Contract # TBD**

Dated: November 3, 2015

Parties: City of Springfield "CITY"
A Municipal Corporation of the State of Oregon
225 5th Street
Springfield, OR 97477
and

XXXX "Seller"

Additional Contractor Information:

- a) Type of Entity: Sole Proprietorship Partnership
 Limited Liability Comp Corporation
- b) Address:
c) Telephone:
d) Fax No:

In consideration of the mutual covenants contained herein, the parties agree to the following terms, provisions and conditions:

- 1. Personal Property to be Delivered.** Seller will build, customize and deliver FOB City of Springfield, two XXXX Ambulances, as described in Attachment 1 attached hereto and incorporated herein by this reference on or before April 30, 2016.
- 2. Payment by CITY.** CITY will pay invoice on Net 30 day terms upon inspection and acceptance of the vehicles.
- 3. Invoice.** Invoice to be sent to: Accounts Payable - City of Springfield, 225 5th Street, Springfield, OR 97477 or email to ap@springfield-or.gov. Invoice will be paid on net 30 day terms upon City acceptance of goods received, work or services performed. The invoice must reference this contract #XXX.
- 4. Purchase Price.** Price for two XXXX Ambulances shall not exceed the total of \$XX. This contract ensures that CITY may purchase any of the products listed in this contract at the prices stated through August 31, 2017.
- 5. Trade in.** Springfield will trade in one (1) 2005 Freightliner ambulance VIN# 1FVACWDD05HU11908. Trade-ins are offered in "AS IS" condition. There are no warranties of any kind, express or implied.
- 6. Warranty.** Seller shall warrant XXXX Ambulances as described Attachment 2 attached hereto and incorporated herein by this reference.

7. **Sourcing.** Seller selected from RFP#1493 Ambulances issued August 10, 2015.
8. **First Point of Contact.**
Seller: TBD
CITY: Jana Sorenson, jsorenson@springfield-or.gov, 541-744-4150
9. **Work Performed.** The work to be performed by Seller includes services generally performed by Seller in his/her/its usual line of business.
10. **Tax duties and Liabilities.** Seller shall be responsible for all federal, state and local taxes, if any, applicable to any payments received pursuant to this Agreement, including but not limited to income tax, payroll tax, social security and self-employment tax. CITY shall not withhold, pay, or in any other manner be responsible for payment of any taxes on behalf of Seller.
11. **Indemnification and Hold Harmless.** Seller shall defend, indemnify and hold harmless City from and against all liability or loss and against all claims or actions based upon or arising out of damage or injury to persons or property caused by or sustained in connection with the performance of this Contract by Contractor except, pursuant to ORS 30.140, for losses, claims, or actions resulting from the sole negligence of City.

The Seller shall assume all responsibilities for the work, and bear all losses and damages directly or indirectly resulting to the Seller, the City, or to others on account of the character or performance of the work, unforeseen difficulties, accidents, or any other cause whatsoever. The Seller shall assume defense of, indemnify and save harmless the City, its officials, agents, and employees from all claims, liability, loss, damage and injury of every kind, nature and description, directly or indirectly resulting from activities in the performance of the Contract, the ownership, maintenance or use of motor vehicles in connection therewith, or the acts, omissions, operations, or conduct of the Seller or any Subcontractor under the Contract or any way arising out of the Contract, irrespective of whether any act, omission or conduct of the City connected with the Contract is a condition or contributory cause of the claim, liability loss, damage or injury and irrespective of whether act, omission, or conduct of the Seller or Subcontractor is merely a condition rather than a cause of a claim, liability, loss damage or injury. The Seller shall not be liable for nor be required to defend or indemnify, the City relative to claims for damage or damages resulting solely from acts or omissions of the City, its officials, agents or employees. The absence of or inadequacy of the liability insurance required in section 12 shall not negate Seller's obligations in this paragraph.

12. **Insurance.**
- a. **General Insurance.** The Seller shall maintain in force for the duration of this agreement a Commercial General Liability insurance policy written on an occurrence basis with limits not less than \$2,000,000 per occurrence and \$3,000,000 in the aggregate for bodily injury or property damage. Automobile Liability (owned, non-owned and hired) insurance with limits not less than \$1,000,000 per occurrence shall be maintained. The City, its employees, officials and agents will be named as an Additional Insured where operations are being conducted related to this contract, on the General Liability policy as respects to work or services performed under this agreement to the extent that the death or bodily injury to persons or damage to property arises out of the fault of the Seller or the fault of the Seller's agents, representatives or subcontractors. This insurance will be primary over any insurance the City may carry on its own. If the City requires Professional Liability coverage, the City's Risk Manager must approve the terms, conditions and limits. Seller understands that CITY is a public entity subject to the requirements of the Oregon Governmental Tort Claims Act, ORS 30.260 et seq. In the event that CITY'S financial obligations or liabilities are modified by any amendment to the liability limits imposed by the Oregon Governmental Tort Claims Act, Seller agrees that the limits regarding liability insurance set forth in this Section 10 will be modified to conform to such limits. Independent contractor and CITY shall sign an amendment to this Agreement incorporating such modification.

- b. Workers' Compensation.** Seller shall provide and maintain workers' compensation coverage for its employees, officers, agents, or partners, as required by applicable workers' compensation laws. If contractor is exempt from coverage, a written statement signed by Contractor so stating the reason for exemption shall be provided to the City.
 - c. Evidence of Insurance Coverage.** Evidence of the required insurance coverages issued by an insurance company satisfactory to the City shall be provided to the City by way of a City approved certificate of insurance before any work or services commence.
 - d. Notice of Cancellation or Material Change in Coverage.** All policies shall provide a 30 day notice of cancellation to the named insured. The Certificate of Insurance shall provide the following cancellation clause: Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.
 - e. Equipment and Material.** The Seller shall be responsible for any loss, damage, or destruction of its own property, equipment, and materials used in conjunction with the work.
 - f. Subcontractors.** The Seller shall require all subcontractors to provide and maintain general liability, auto liability, professional liability (as applicable), and workers' compensation insurance with coverage's equivalent to those required of the general contractor in this contract. The Seller shall require certificates of insurance from all subcontractors as evidence of coverage.
 - g. Exception or Waivers.** Any exception or waiver of these requirements shall be subject to review and approval from the City's Risk Manager.
- 13. Bonds.** Delivery of all required bond(s) shall be a condition to the City's obligation to make any payment under this Purchase Agreement. Each bond shall be issued solely for the protection of the City and executed solely by a surety company or companies holding a certificate of authority to transact surety business in Oregon. All bond(s) or other forms of surety shall be in a form approved by the City's purchasing agent (see RFP# 1493 Attachment 2 Supply Bond attached hereto and incorporated herein by this reference). This Price Agreement requires Seller to provide the Supply Bond described below:
- a. Supply Bond.** A surety bond that guarantees Seller's obligation to deliver an ambulance that conforms to all applicable mechanical and performance specifications ("Supply Bond") shall be issued for the ambulances purchased under this Purchase Agreement. The Supply Bond for the ambulances must be delivered to City within fifteen (15) calendar days after City's execution of this Agreement and shall be maintained in full force and effect until the date of Acceptance of the Ambulances. The amount of the Supply Bond shall be for in the full amount contract to supply the ambulances as set forth in this Purchase Agreement.
 - b.** Notwithstanding any document or assertion to the contrary, any surety bond related to the sale of a vehicle will apply only to the Basic One (1) Year Limited Warranty for such vehicle. Any surety bond related to the sale of a vehicle will not apply to any other warranties that are included within this bid (OEM or otherwise) or to the warranties (if any) of any third party of any part, component, attachment or accessory that is incorporated into or attached to the vehicle. In the event of any contradiction or inconsistency between this provision and any other document or assertion, this provision will prevail.
- 14. Access to Records.** CITY and its duly authorized representatives shall have access to books, documents, papers and records of Seller which are directly pertinent to this Agreement for the purpose of making audit, examination, excerpts and transcripts.
- 15. Waiver.** Failure of CITY to enforce any provision of this Agreement shall not constitute a waiver or relinquishment by CITY of the right to such performance in the future nor of the right to enforce any other provision of this Agreement.

- 16. Amendments.** The terms of this Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, without prior written approval of CITY. No modification of this Agreement shall bind either party unless reduced to writing and subscribed by both parties, or ordered by a Court.
- 17. Nondiscrimination.** Seller shall comply with all applicable requirements of Federal and State civil rights and rehabilitation statutes, rules and regulations.
- 18. Termination.** The performance of work under this Agreement may be terminated by CITY, in whole or in part, whenever for any reason CITY shall determine that such termination is in the best interest of CITY. Any such termination shall be effected by delivery to the Seller of a Notice of Termination specifying the extent to which performance of the work under the Agreement is terminated and the date on which such termination is effective. Upon delivery to the Seller of a Notice of Termination under this paragraph, the Seller and CITY shall, by agreement, make an appropriate written modification to this Agreement governing completion of portions of the Seller's work and payment therefore by CITY.
- 19. Assignment/Subcontract.** Seller shall not assign, sell, transfer, subcontract or sublet rights, or delegate responsibilities under this agreement, in whole or in part, without the prior written approval of CITY. No such written approval shall relieve Seller of any obligations of this Agreement, and any transferee or subcontractor shall be considered the agent of Seller. Seller shall remain liable as between the original parties to this Agreement as if no such assignment had occurred.
- 20. Successors in Interest.** The provisions of this Agreement shall be binding upon and shall inure to the benefit of the parties to this Agreement and their respective successors and assigns.
- 21. Compliance with All Government Regulations.** Seller shall comply with all Federal, State and local laws, codes, regulations and ordinances applicable to the work performed under this Agreement. Failure to comply with such requirements shall constitute a breach of contract and shall be grounds for termination of this Agreement. Damages or costs resulting from noncompliance shall be the sole responsibility of Seller.
- 22. Attorney Fees.** In the event a lawsuit of any kind is instituted on behalf of CITY to enforce any provision of this Agreement, Seller shall pay such additional sums as the Court may adjudge reasonable for attorney fees plus all costs and disbursements at trial and on any appeal.
- 23. Force Majeure.** Neither party to this Agreement shall be held responsible for delay or default caused by fire, riot, acts of God and/or war which is beyond that party's reasonable control. CITY may terminate this Agreement upon written notice after determining such delay or default will unreasonably prevent successful performance of the Agreement.
- 24. Conditions, Benefits:** Other contracting agencies may use this competitive process and contract, with no material change in the Original Contract requirements, terms, conditions or prices as a basis for executing a separate agreement in their own name with the Vendor. Any Amendments must be generally stated, in Writing, in the Solicitation Document and the Original Contract pursuant to OAR 1425-247-0805 and OAR 137-047-0800. Any material, goods or services sold by Vendor to such other agencies shall be ordered by, delivered to, and paid by that agency. By acting to contract with another contracting agency under this provision, Vendor agrees to indemnify and hold the City of Springfield, its Councilors, officers, employees and agents harmless from any claim arising out of: the appropriateness of another contracting agency's decision to use Springfield's competitive process and the material contract terms in this Contract; procedural obligations such other contracting agency may have had under ORS 279A.215, ORS 279A.220 and ORS 279A.225 in order to use the City of Springfield's process and contract terms; Vendor's and such other agency's adoption of different contract terms; and, their performance or failure to perform the contractual obligations of their separate agreement.

25. Remedies, Choice of Law, Forum, Construction of Agreement. This Agreement shall be governed and construed in accordance with the laws of the State of Oregon, apart from choice of law provisions. The parties agree that the Circuit Court for the County of Lane, State of Oregon, or the Federal District Court of the State of Oregon (Eugene) is the sole and proper forum for resolving any disputes involving this Agreement, any breach of this Agreement, or relating to its subject matter. The Parties agree to submit themselves to the jurisdiction of such courts without challenge to the jurisdiction of these courts. This Agreement shall not be construed more favorably to Licensee due to the preparation of this Agreement by Licensor. The headings and subheadings in this Agreement are for convenience, do not form a part of this Agreement, and shall not be used in construing this Agreement.

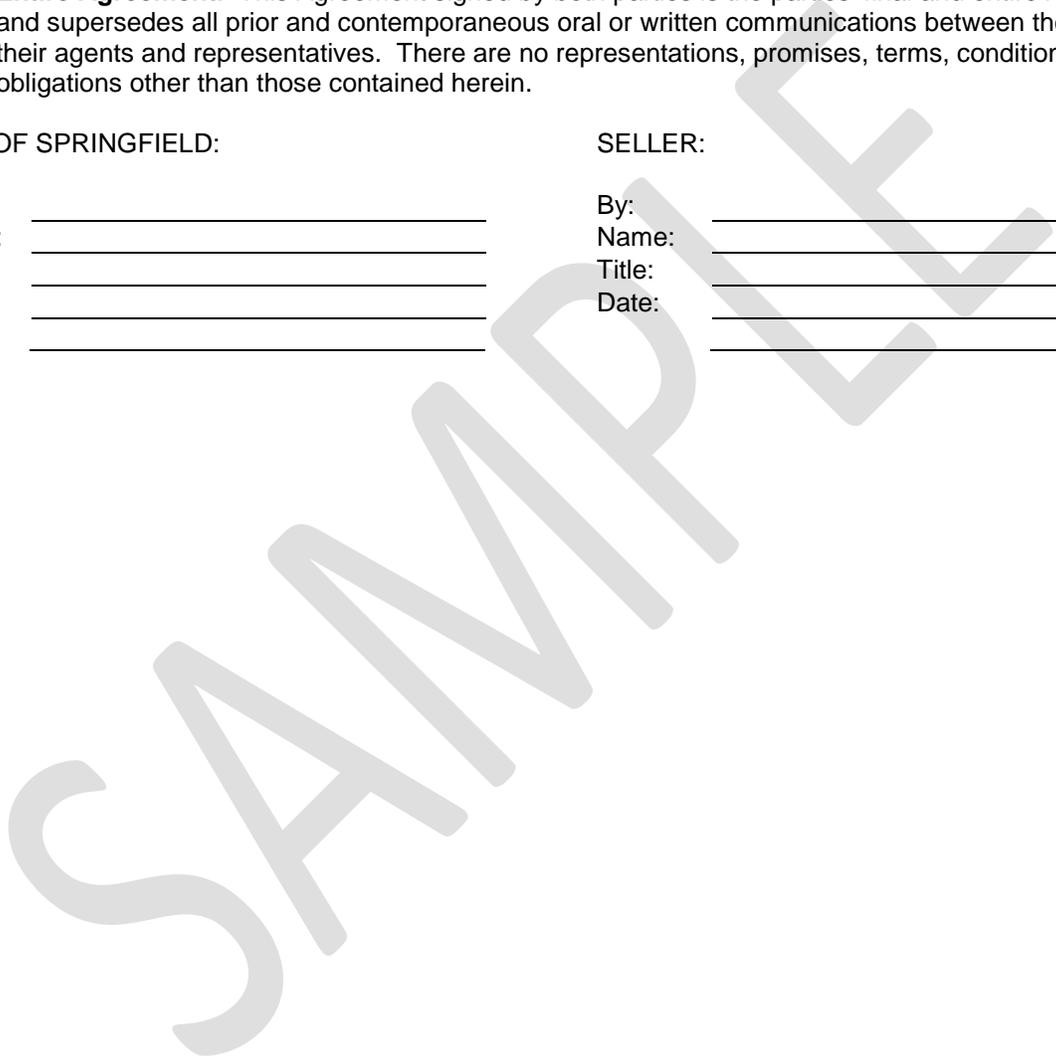
26. Entire Agreement. This Agreement signed by both parties is the parties' final and entire Agreement and supersedes all prior and contemporaneous oral or written communications between the parties, their agents and representatives. There are no representations, promises, terms, conditions or obligations other than those contained herein.

CITY OF SPRINGFIELD:

SELLER:

By: _____
Name: _____
Title: _____
Date: _____

By: _____
Name: _____
Title: _____
Date: _____



Minority, Women, and Emerging Small Business/Disadvantaged Business Enterprise



MWESB/DBE Voluntary Self-Declaration for City Solicitation (ITB/RFP) # _____

The City of Springfield is seeking information on the various business entities that submit bids and proposals. We request that you provide the following information to assist us with evaluating our efforts at reaching the underrepresented sectors of the business communities. The City does not intend to use this data as criteria for selecting the successful bidders or proposers for city-funded procurements. For procurements with state or federal DBE requirements, the City will use the forms and criteria established by the state or federal agency for selecting the successful bidders or proposers.

Please include this form with your bid/proposal submittal to the City.

Prime Bidder/Proposer: _____

Business Name: _____

Contact Person: _____

CCB#/PE#/Other Registration: _____

Business Address: _____

Business Phone: _____

Please check each box indicating the business certificate type that your firm has with the State of Oregon or the federal government, if any:

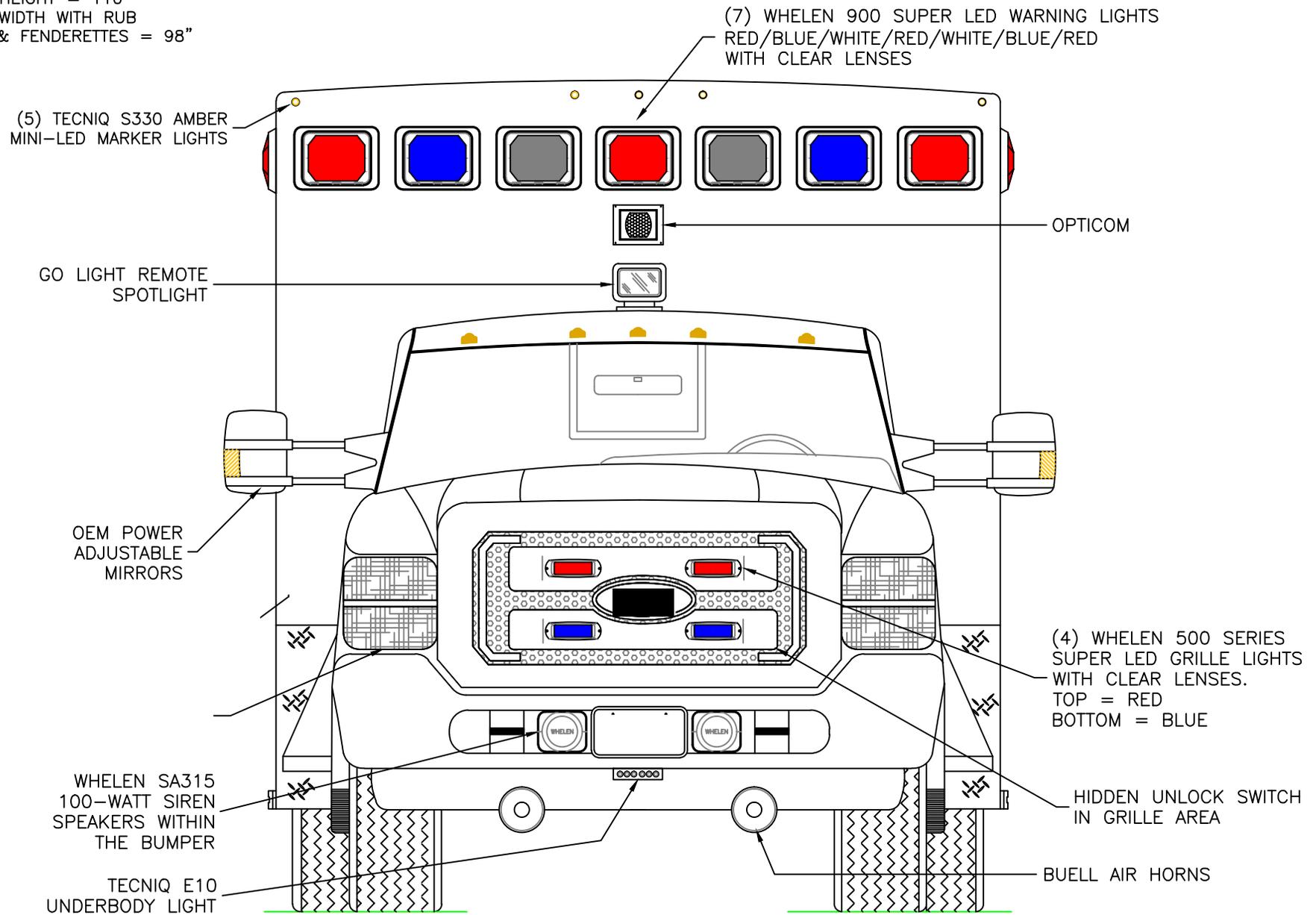
- Oregon Minority-owned
- Business Oregon Woman-owned
- Business Oregon Emerging
- Small Business Federal Disadvantage

First Tier Sub-contractors:

For each First Tier Subcontractor, provide the same information, using additional sheets as needed.

For more information please visit State of Oregon office of Minority, Women, Emerging Small Business <http://www.oregon4biz.com/Grow-Your-Business/Business-services/Minority-Owned-Business-Certification/>

DIMENSIONS FOR OVERALL HEIGHT AND LENGTH ARE APPROXIMATE
 OVERALL HEIGHT = 110"
 OVERALL WIDTH WITH RUB
 RAILS & FENDERETTES = 98"



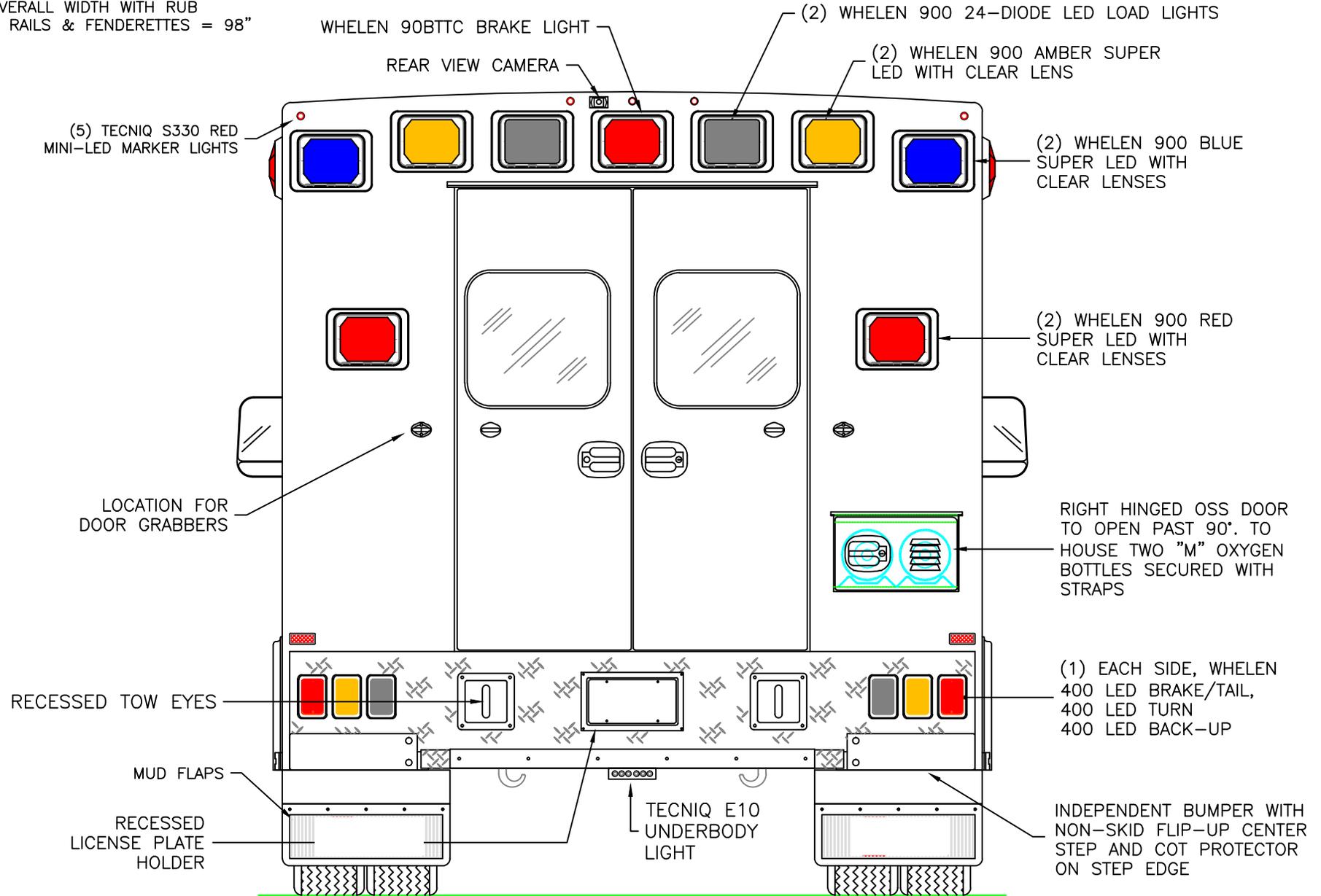
THIS DRAWING IS FOR REPRESENTATIONAL PURPOSES ONLY. DETAILS ARE CONCEPTUAL AND ARE SUBJECT TO CHANGE DURING DESIGN AND CONSTRUCTION
 DIMENSIONS ARE APPROXIMATE

2015 FRONT EXTERIOR VIEW

DATE:	08 JAN 15
DWG.	REV.
AAB	C

DRAWING NO.	1
-------------	---

DIMENSIONS FOR OVERALL HEIGHT AND LENGTH ARE APPROXIMATE
 OVERALL HEIGHT = 110"
 OVERALL WIDTH WITH RUB
 RAILS & FENDERETTES = 98"



THIS DRAWING IS FOR REPRESENTATIONAL PURPOSES ONLY. DETAILS ARE CONCEPTUAL AND ARE SUBJECT TO CHANGE DURING DESIGN AND CONSTRUCTION
 DIMENSIONS ARE APPROXIMATE

2015 REAR EXTERIOR VIEW

DATE:		DRAWING NO.	
08	JAN	15	
DWG.	AAB	REV.	C

DIMENSIONS FOR OVERALL HEIGHT AND LENGTH ARE APPROXIMATE
 OVERALL HEIGHT = 110"
 OVERALL LENGTH = 301.5"
 MODULE LENGTH = 169"

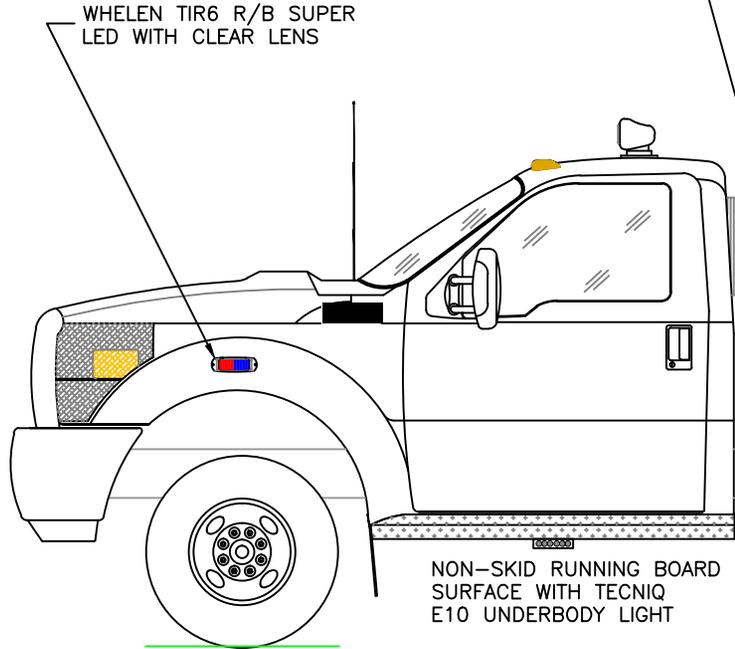
TECNIQ S330 RED MINI-LED MARKER LIGHT TO ALSO FLASH WITH TURN SIGNAL

(2) WHELEN 900 RED SUPER LED WARNING LIGHTS WITH CLEAR LENSES

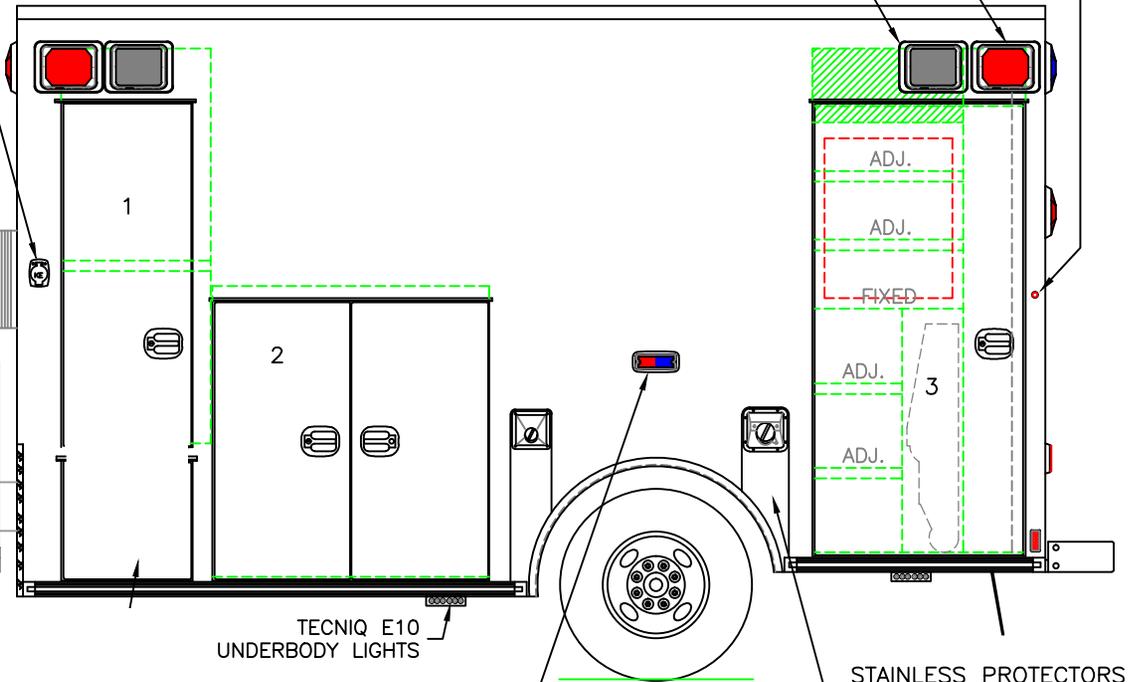
(2) WHELEN 900 CLEAR HALOGEN SCENE LIGHTS

KUSSMAUL 20 AMP SUPER AUTO-EJECT SHORELINE INLET

WHELEN TIR6 R/B SUPER LED WITH CLEAR LENS



NON-SKID RUNNING BOARD SURFACE WITH TECNIQ E10 UNDERBODY LIGHT



TECNIQ E10 UNDERBODY LIGHTS

WHELEN M7 R/B SUPER LED WITH CLEAR LENS

STAINLESS PROTECTORS ON DEF AND DIESEL FUEL FILLS

COMPARTMENT

O.S.S #1

CLEAR OPENING: 55.25h x 18.25w
 INSIDE DIM'S.: 64.75h x 24.50w x 20.75d
 (1) ADJUSTABLE SHELF

O.S.S #2

CLEAR OPENING: 44.25h x 39.50w
 INSIDE DIM'S.: 47.75h x 45.50w x 20.75d
 SHELF TRACK ON FORWARD/REARWARD WALLS

O.S.S #3

CLEAR OPENING: 73.25h x 31.25w
 INSIDE DIM'S.: 82.75h x 35.00w x 20.75d
 40" h FIXED DIVIDER 14.75" FROM FORWARD WALL
 (2) ADJ SHELVES FORWARD OF DIVIDER/STAIR CHAIR REAR OF DIVIDER
 FIXED SHELF ABOVE DIVIDER
 (2) ADJ. SHELVES ABOVE FIXED SHELF WITH INSIDE/OUTSIDE ACCESS
 FULL HEIGHT DIVIDER 10" FROM FORWARD DIVIDER
 BACKBOARD STORAGE REAR OF FULL HEIGHT DIVIDER

THIS DRAWING IS FOR REPRESENTATIONAL PURPOSES ONLY. DETAILS ARE CONCEPTUAL AND ARE SUBJECT TO CHANGE DURING DESIGN AND CONSTRUCTION DIMENSIONS ARE APPROXIMATE

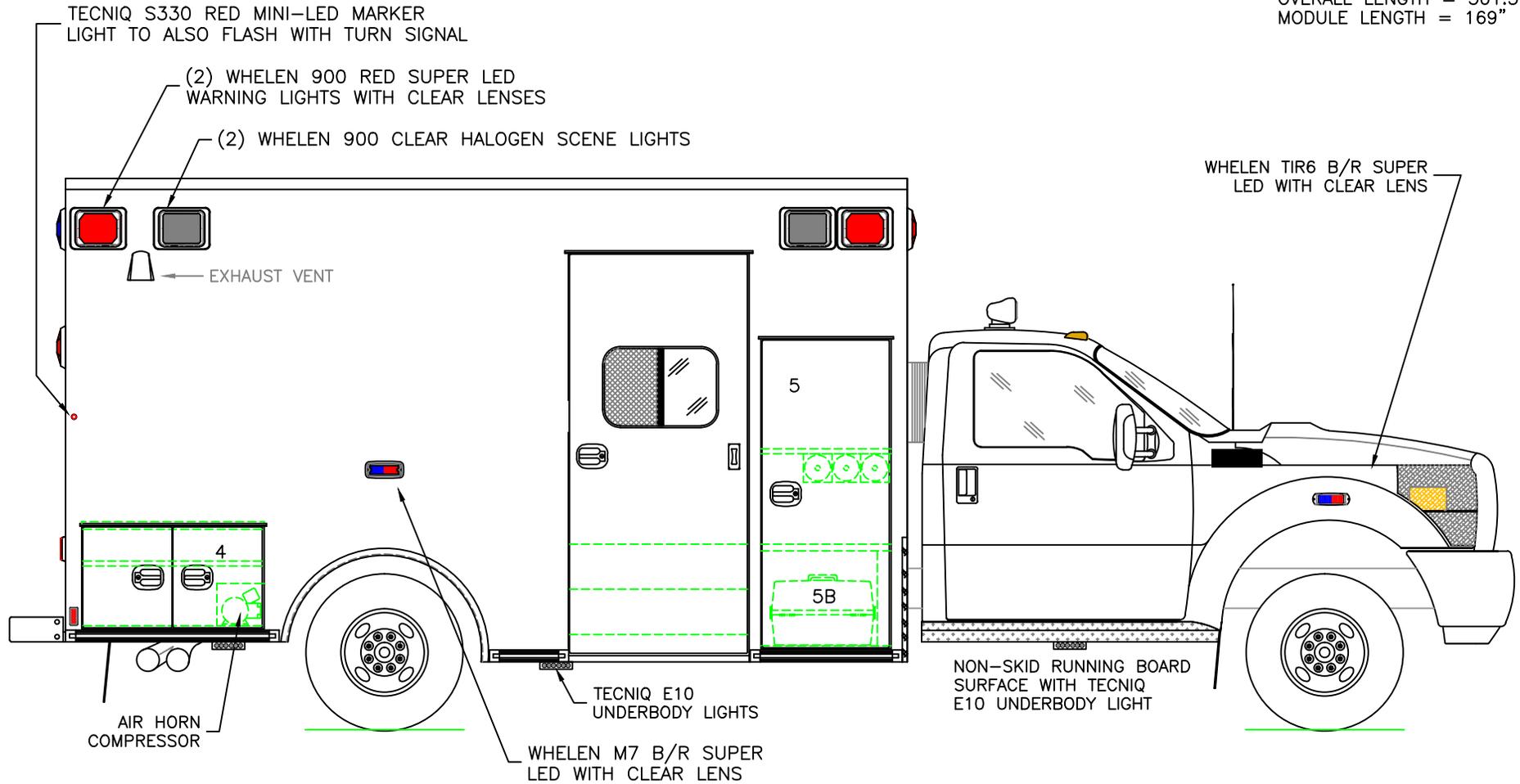
2015 STREETSIDE EXTERIOR VIEW

DATE:	08 JAN 15
DWG.	AAB
REV.	C

DRAWING NO.	3
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These drawings are for illustrative purposes only.

DIMENSIONS FOR OVERALL HEIGHT AND LENGTH ARE APPROXIMATE
 OVERALL HEIGHT = 110"
 OVERALL LENGTH = 301.5"
 MODULE LENGTH = 169"



COMPARTMENT
 O.S.S #4
 CLEAR OPENING: 19.25h x 31.50w
 INSIDE DIM'S.: 20.75h x 36.50w x 20.75d
 (1) ADJUSTABLE SHELF WITH 1" LIP

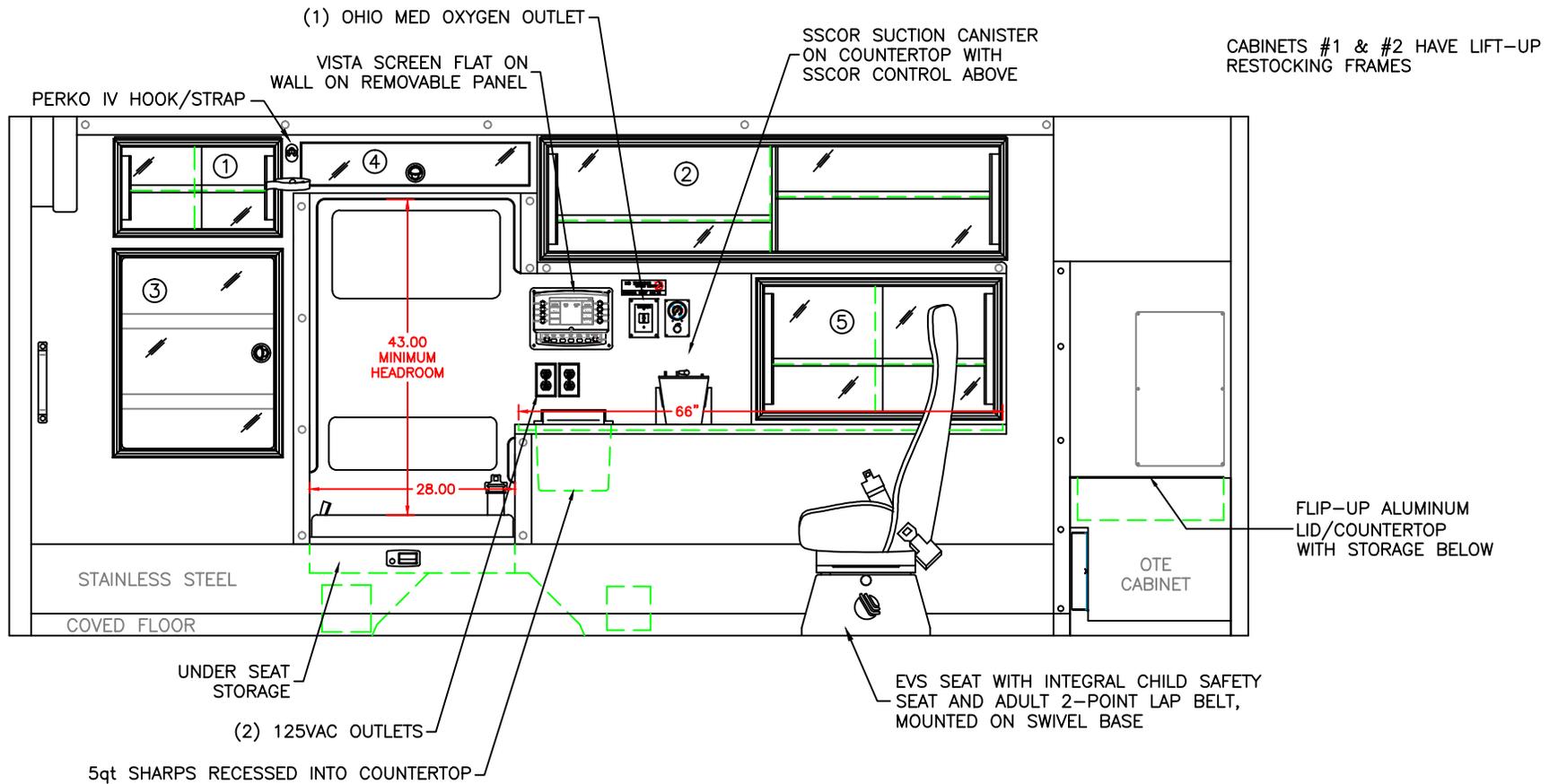
O.S.S #5
 CLEAR OPENING: 60.50h x 22.50w
 INSIDE DIM'S. 5A: SEE PARTITION INTERIOR VIEW
 INSIDE/OUTSIDE STORAGE WITH ONE (1) ADJUSTABLE SHELF
 STORAGE FOR (3) "D" BOTTLES BELOW THE SHELF
 INSIDE DIM'S. 5B: 19.00h x 25.25w x 18.00d
 747 KIT STORAGE LOCATION

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2015 CURBSIDE EXTERIOR VIEW

DATE:		08 JAN 15	
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DRAWING NO.



COMPARTMENT

#1 DOOR OPENING: 11.25h x 20.75w
 INSIDE DIMS: 13.75h x 22.75w x 17.25d
 (1) ADJUSTABLE SHELF
 SLIDING ACRYLIC CABINET DOORS

#2 DOOR OPENING: 14.25h x 61.25w
 INSIDE DIMS: 16.75h x 63.25w x 17.25d
 (1) ADJ SHELF EACH SIDE OF CENTER DIVIDER
 SLIDING ACRYLIC CABINET DOORS

#3 DOOR OPENING: 26.25h x 21.00w
 INSIDE DIMS: O.S.S. #3
 LEFT HINGED ACRYLIC CABINET DOOR
 LOCKING STAINLESS STEEL FLUSH PULL LATCH
 INSIDE/OUTSIDE ACCESS

#4 DOOR OPENING: 6.00h x 31.25w
 INSIDE DIMS: 6.00h x 31.25w x 17.25d
 TOP HINGED ACRYLIC CABINET DOOR
 LOCKING STAINLESS STEEL FLUSH PULL LATCH

#5 DOOR OPENING: 17.00h x 31.25w
 INSIDE DIMS: 18.75h x 33.00w x 8.00d
 (1) ADJUSTABLE SHELF
 SLIDING ACRYLIC CABINET DOORS

CABINETS TO BE ALUMINUM

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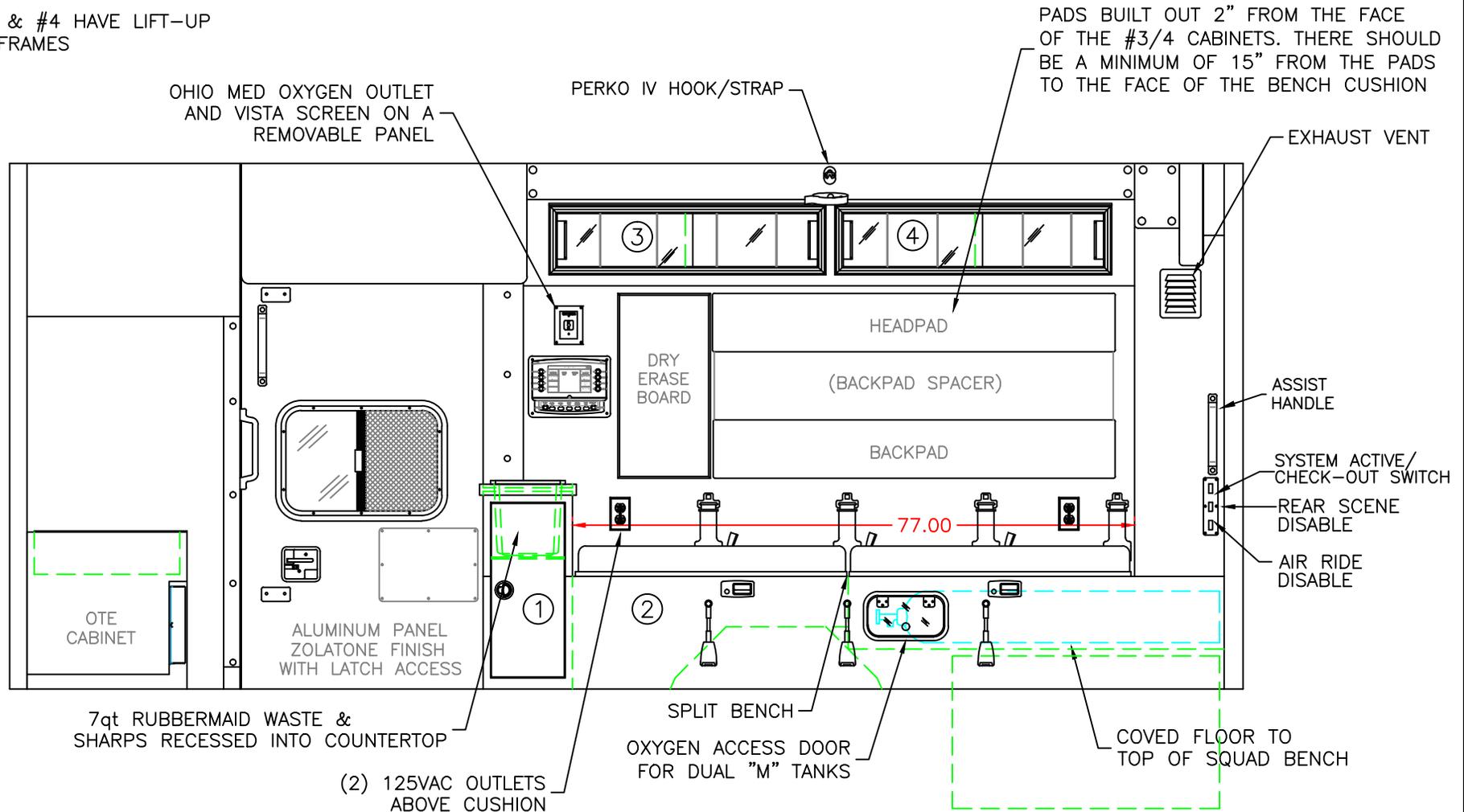
2015 STREETSIDE INTERIOR VIEW

DATE:	08 JAN 15	DRAWING NO.	
DWG.	AAB	REV.	C

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CABINETS #3 & #4 HAVE LIFT-UP RESTOCKING FRAMES



COMPARTMENT

#1 DOOR OPENING: 24.00h x 10.25w
 INSIDE DIMS: 24.00h x 10.25w x 16.25d
 RIGHT HINGED ALUMINUM DOOR
 LOCKING STAINLESS STEEL FLUSH PULL LATCH
 MISC. STORAGE BELOW SHARPS/WASTE CONTAINERS

#2 INSIDE DIM'S: 15.25h x 37.00w x 21.00d

#3/4 DOOR OPENING: 7.25h x 35.50w
 INSIDE DIMS: 8.00h x 37.50w x 5.00d
 SLIDING ACRYLIC CABINET DOORS
 ADJUSTABLE ACRYLIC DIVIDERS IN EACH CABINET

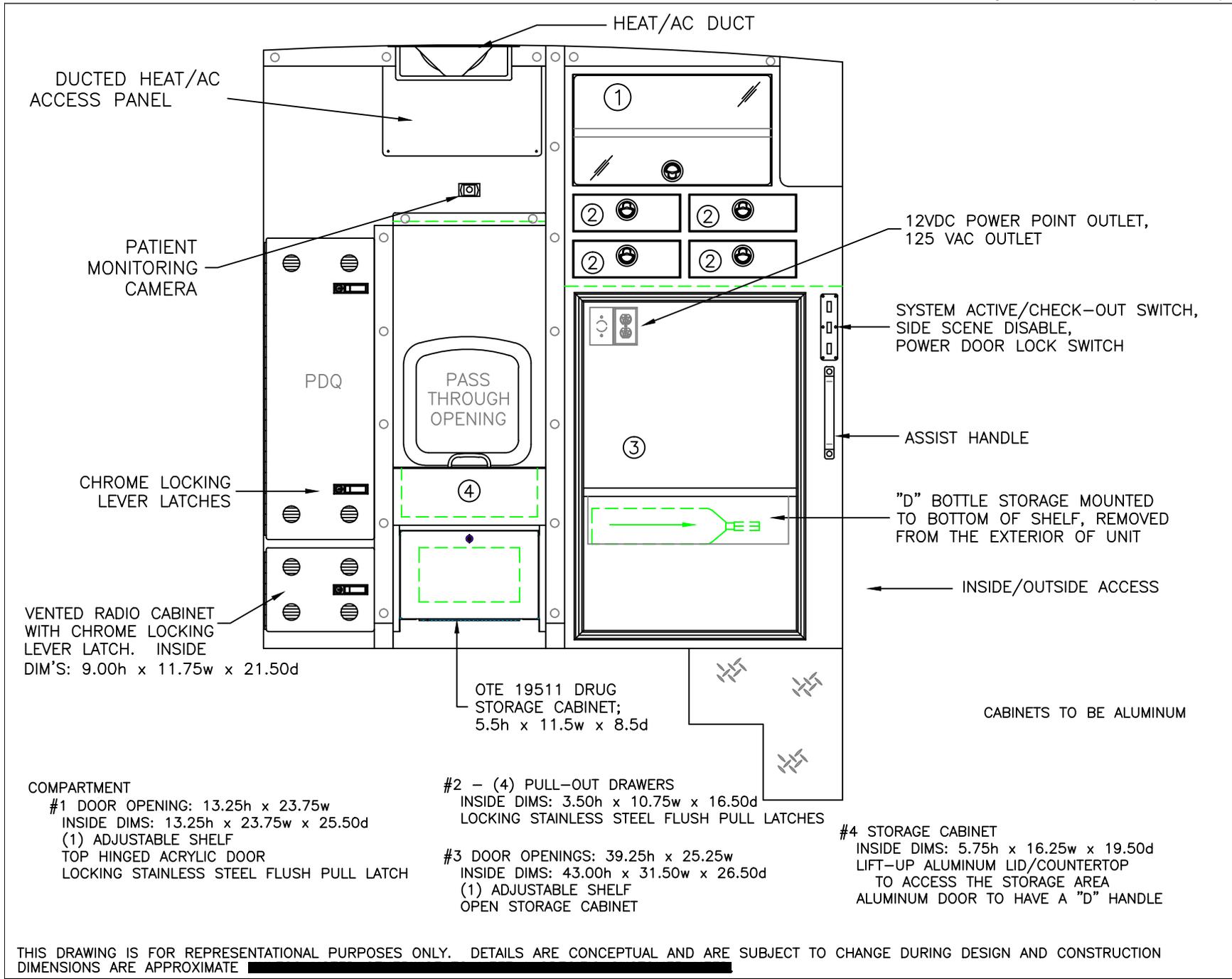
CABINETS TO BE ALUMINUM

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2015 CURBSIDE INTERIOR VIEW

DATE: 08 JAN 15		DRAWING NO. 6
DWG. AAB	REV. C	

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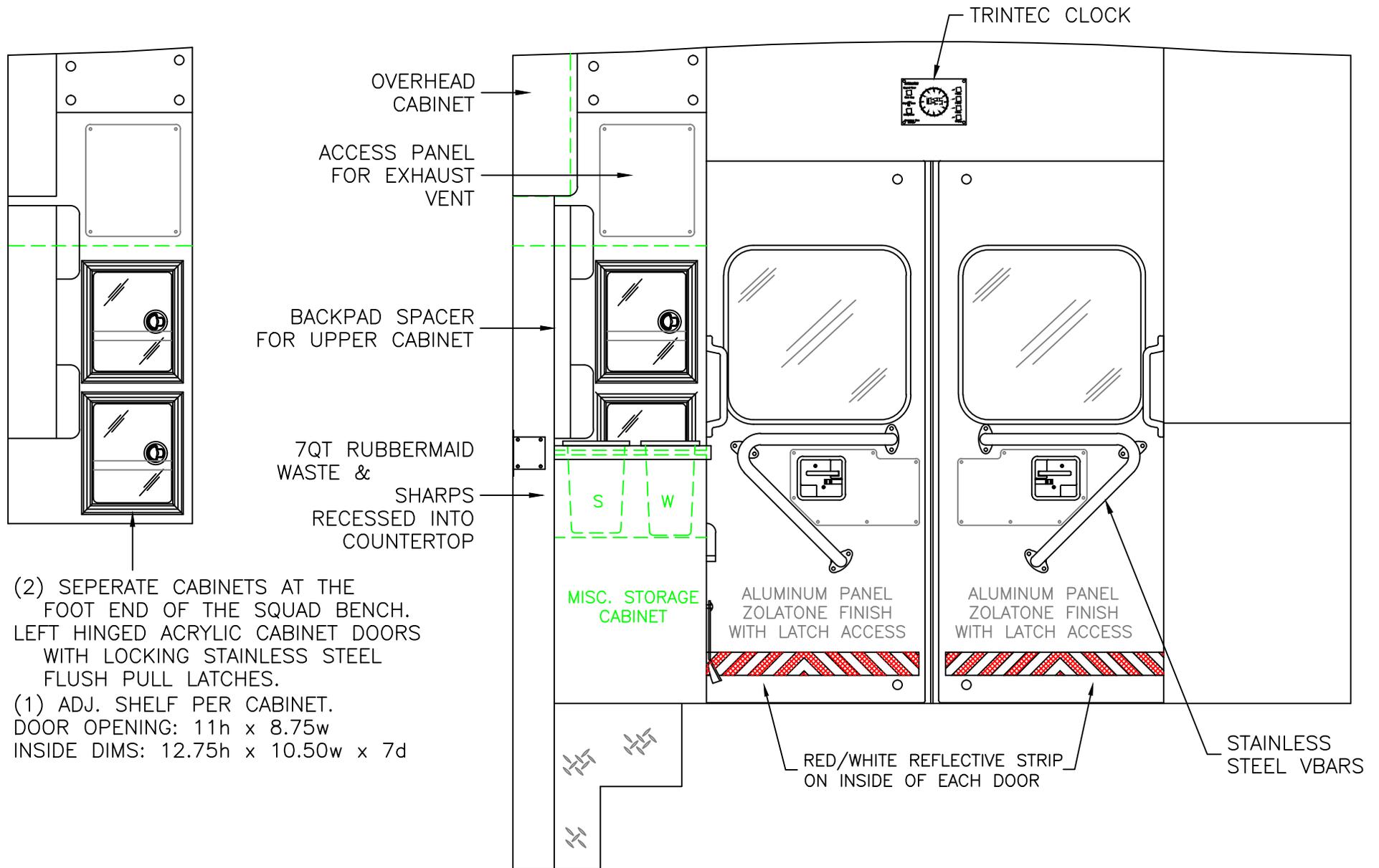
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2015 PARTITION INTERIOR VIEW

DATE:	08 JAN 15
DWG.	AAB
REV.	C

DRAWING NO.

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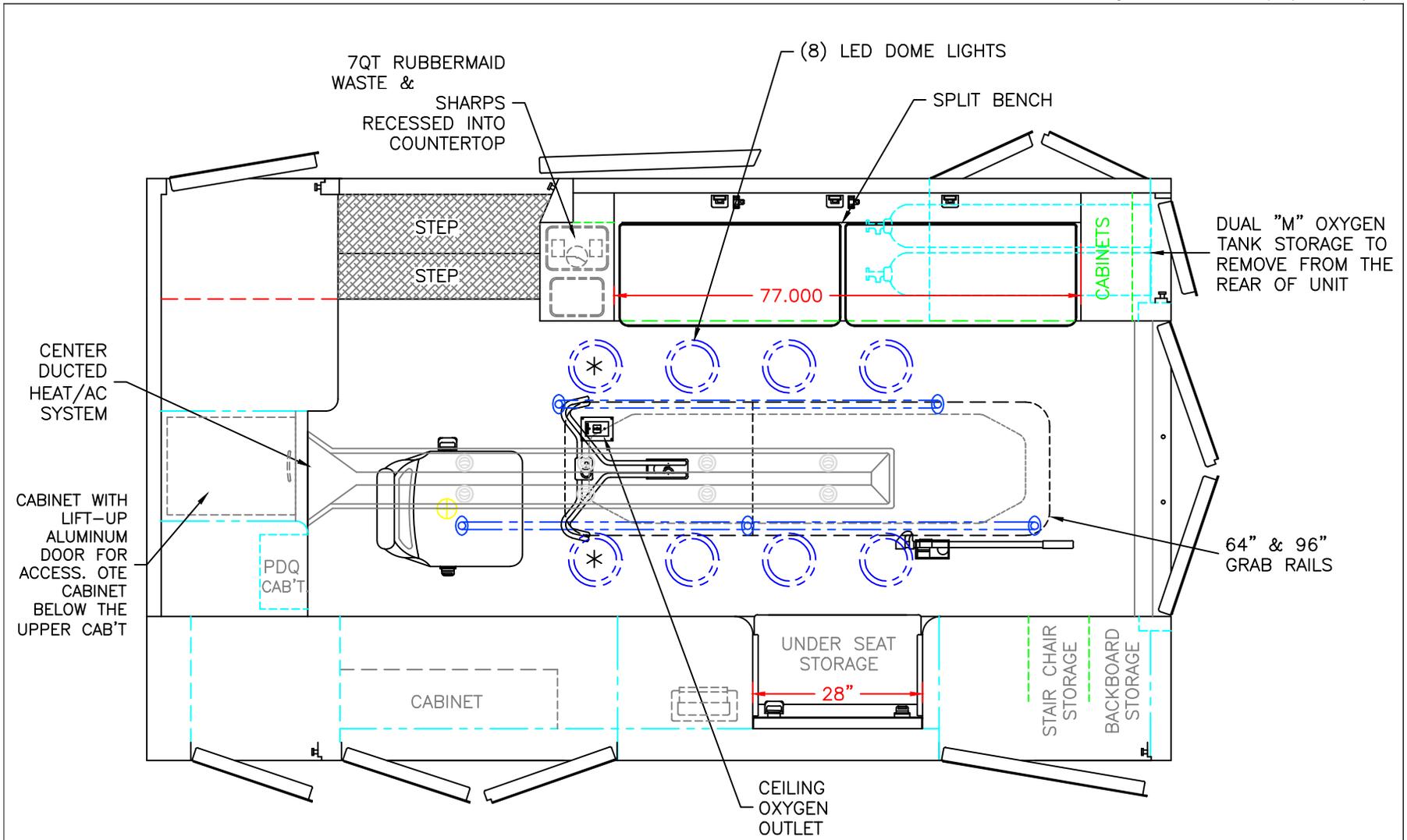
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2015 REAR INTERIOR VIEW

DATE:	08 JAN 15	DRAWING NO.
DWG.	AAB/C	REV.

1:12

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DUAL "M" OXYGEN TANK STORAGE TO REMOVE FROM THE REAR OF UNIT

* (2) ANTENNA BASES LOCATED OUTBOARD OF DOME LIGHTS WITH COAX SERVICE LOOP

MODULE WIDTH = 96"
 MODULE LENGTH = 169"
 MODULE HEAD ROOM = 72"

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2015 FLOOR INTERIOR VIEW

DATE:	08 JAN 15
DWG.	REV.
AAB	C

DRAWING NO.

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