

BID FORM

This form must be included with the bid package. It shall be located at the very front of your bid proposal under a Tab Labeled “ **PRICE QUOTE**”.

You may if you wish also include in this tab a copy of a price quote page of your own on your own stationary, however this form must also be included.

Name of Bidding Dealer _____

Street Address of Bidding Dealer _____

City and State of Bidding Dealer _____

Phone Number of Dealer: _____

Ambulance Manufacturer Being Represented: _____

Location of Ambulance Manufacturer _____

(City and State)

Year and Description of ambulance
(Model chassis and body) _____

Price of Each Ambulance: _____

Price shall include all applicable rebates
and / or discounts as well as all trips. None shall be listed individually.

Trade-in Allowance (if applicable) _____ NO TRADE IN _____

FINAL TOTAL PRICE **DELIVERED**: _____

Delivery in Calendar Days: _____

Signature of Bidder: _____

Printed Name of Bidder: _____

Title: _____ Today's Date : _____ 20_____

**SPECIFICATIONS FOR
FAIRBANKS FIRE
DEPARTMENT FAIRBANKS,
ALASKA**

1 CHASSIS For Type 1 Ambulance Build

OEM CHASSIS

1.01 2024 or newer Ford F-450 XLT, Regular Cab 4 x 4, meeting all the specifications of Section 1.01

Ambulance Prep Package
3 year/36,000 mile Bumper-to-Bumper
warranty 5 year/60,000 mile Powertrain
warranty
Dual rear wheels

1.01.01 SPECIFIC RATINGS

Drive – 4 x 4
G.V.W.R. – 16,500 lb
Front Axle – 7,000 lb
Rear Axle – 13,660 lb
Wheelbase – 169"
Cab to Axle –84"
Front Spring Capacity – 7,000 lb
Rear Spring Capacity – 13,660 lb
Rear Differential – 4.88 ratio, limited slip wide track rear axle

1.01.02 POWER TRAIN

Engine
7.3L V8 Gas DEVCT NA PFI(99N) or current closest version available.
Engine block heater
Oil Minder System
Engine Cooling System
Heavy duty, closed-air, free-liquid state type
Coolant recovery system
50/50 solution Permanent type antifreeze to –34 degrees F
Transmission
TorqShift 10-speed automatic transmission with selectable drive modes
External oil cooler in chassis grille area
Electronic Shift on the Fly
Exhaust System
System complies with Federal Motor Carrier Safety Regulations, Part 393.83
Suspended using three hangers, excluding manifold attachment
Discharge at top right rear side of module
Tailpipe shall not terminate within twelve inches of the vertical axis of the fuel tank filler opening.

- 1.01.03 STEERING**
Power-assisted
Tilt steering wheel
- 1.01.04 SHOCK ABSORBERS/STABILIZER BARS**
Heavy-duty shock absorbers front and rear
OEM front and rear stabilizer bars
- 1.01.05 BRAKES**
Heavy duty power-assisted four wheel ABS; front and rear disc
Front 14.53" diameter; Rear 15.35" diameter
Trailer Brake Controller
- 1.01.06X TIRES AND WHEELS**
Seven OEM LT 225-70R-19.5G all-purpose steel belted radials
Four OEM 19.5" forged polished aluminum wheels (**64D**)
Three OEM 19.5" steel wheels
Spare tire and wheel shipped loose
OEM jack and tire changing tools
- 1.01.07 ELECTRICAL**
Alternators – OEM dual rated at 397 Amps total
Battery – OEM dual rated at 750 CCA each
Stationary Elevated Idle Control
- 1.01.08X INSTRUMENT PANEL AND CONTROLS**
Gauges
Speedometer
Tachometer
Engine Coolant Temperature
Transmission Fluid Temperature
Fuel Level
Indicator lights
Odometer/Trip Odometer
Cruise Control, with steering mounted controls
Audio – OEM AM/FM/SiriusXM radio with three month prepaid subscription
SYNC 3 - Voice-Activated communications and entertainment system with 8" touchscreen
in center stack
4.2" LCD Productivity Screen in IP Cluster with compass display
Two USB Ports
Ford Pass® Connect 4G WiFi Modem
Rearview Camera Prep Kit (**872**)

1.01.09

CAB EXTERIOR

Trim Level – XLT

Bumper – Chrome

Tow Hooks – Two Front

Mud Flaps – Two Front

Horn – OEM dual electric

Windows – Solar Tinted

Windshield wipers – Two-speed electric, washer and intermittent speed control

Mirrors

Two black, below eye level, manually telescoping trailer tow

Power, heated glass, upper portion

Turn indicators and clearance lights on outside edge

Lower portion convex

Lights

Headlamps – Auto High-Beam, Quad-beam halogen

Roof clearance light

Fuel – OEM 40 gallon tank

1.01.10

CAB INTERIOR

Trim Level – XLT

Seats – OEM

Cloth 40/20/40

Combination lap and shoulder harness

Side door armrest

Flooring – Black vinyl

Climate control – OEM

Heavy duty, fresh air, high-capacity heater/defroster

Dehumidifying air conditioning system

Airbags

Driver and right-front passenger front

Front-seat side

Safety canopy system with roll-fold side curtain airbags

Other

Dome light, with dual map lights

Auxiliary Power Point

Interior hood release

Power door locks & windows

Remote keyless entry w/Antitheft

Adjustable gas and brake pedals

1.01.11

COLORS

Exterior – Race Red (**PQ**) Interior –

Medium Earth Gray (if available for model year.)

1.02 CHASSIS MODIFICATIONS

The following modifications shall be made to the chassis by the bid winner.

1.02.04 EXHAUST HEAT SHIELDS

Shall be formed from 20 ga. galvanized steel sheets with stamped reinforcements and formed edges. Access openings shall be provided for shock absorber, mounting bolts, etc. Heat shields shall be bolted to chassis frame and extend from back of cab to the frame cross member just behind the rear axle.

1.02.05E RUNNING BOARDS

Shall be installed on both sides of the vehicle and made of 0.125" NFPA embossed bright aluminum diamond plate. The running boards shall be flared towards the front corners of the module. The entire assembly shall be securely mounted with stainless steel 1/4"-20 truss head bolts.

1.02.08 RECOVERY EYES

Two rear recovery eyes, rated at 10,000 lb. per pair, shall be installed in 6.75"W x 6.75"H x 4.375"D recessed pockets. Eyes shall be 1.8125"D, bolted to frame. These eyes shall not be used for towing or lifting of emergency vehicle.

1.02.09 MUD FLAPS

Mud flaps with the Fairbanks Fire Department logo shall be installed behind each rear wheel.

1.02.10

TIRES AND WHEELS

The OEM tires shall be dismounted, six aftermarket Michelin #XDS 2 snow/traction tires shall be mounted on the OEM wheels, and the six OEM tires and OEM spare tire/wheel shall be shipped loose with the vehicle (Section 8.01 related).

1.02.11X

AIR HORN

A Buell air horn #1062 kit with two 12" horns shall be added to the chassis. The horns shall be mounted with steel brackets below the OEM bumper, outboard of the tow hooks. The compressor shall be mounted in Compartment #6. A disable switch shall be located adjacent to the compressor for ease of maintenance. An air tank shall be installed between the frame rails aft of the fuel tank. A Parker air dryer with a quick spin-on cartridge shall be installed.

Air horns shall be enabled when ignition is on and shall be activated by a momentary rocker switch in the driver's console.

1.02.14A

SUSPENSION

The OEM rear stabilizer bar shall be removed and a LiquidSpring suspension system shall be installed, with a kneeling feature to activate when the rear streetside patient compartment entrance door opens within 60 minutes of the chassis ignition being turned off. An override switch shall be provided on the curbside rear wall, accessible from rear curbside door. The LiquidSpring control panel shall be installed on the chassis dash to the left of the steering wheel.

1.02.18X

GRILLE GUARD

A **Setina PB400 VS #BK0534FDT17F250** black-painted aluminum bumper shall be installed.

Four WION grille lights, two OS series flashers, and two driving lightbars shall be installed on the grille guard (Section 6.30.08V and 6.33 related).

1.02.21X

CHASSIS LIGHTING

A Weldon #8081-7000-13 Red/Clear split dome light shall be installed in the cab headliner centered between the driver and the passenger.

Light shall be controlled by a switch on the light head. Red lens shall face forward and the clear lens shall face toward the rear.

1.02.31X

EXHAUST

The vehicle exhaust shall be modified to exit at the rear of the module, curbside upper, to prevent ice fog clouds from obscuring rearward visibility.

Exhaust tip shall be chrome and turned to exit toward the rear curbside.

Exhaust shall have a formed diamond plate heat shield around it.

Example photo:



1.02.35

KEYS

Two additional OEM vehicle key fobs shall be added to OEM vehicle remote keyless system for a total of four. Fobs shall be shipped loose (Section 8.01 related).

1.02.45X

CAB INSULATION

3M Thinsulate insulation shall be installed between the OEM headliner and the cab roof to reduce noise.

1.02.60

CAB CONDUIT

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

1.03 MODULE-TO-CHASSIS MOUNTING SYSTEM

1.03.01 MODULE MOUNTING SYSTEM

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

1.03.02 CAB-TO-MODULE ATTACHMENT

The module shall be connected to the cab with a flexible watertight boot to allow cab-body flex as designed by the chassis manufacturer.

The chassis rear window shall be replaced by an aluminum insert covered with black-painted polyurea thermoplastic elastomer, with a 16"W x 12.5"H opening on the cab side with a sliding clear polycarbonate window w, with a 16"W x 15"H opening on the module side (3.04.01 related).

An insulated vinyl covered flexible liner shall be installed inside the rubber boot. One stainless steel bracket shall be installed to protect the bottom of the pass-thru (Section 2.13 related).



2 MODULAR CONSTRUCTION

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

2.01

MATERIAL

<u>EXTRUSIONS</u>	<u>SIZE</u>	<u>ALLOY</u>
Structural Tubing	1" x 2" x 0.125" sq.	6063-T52
Structural Tubing	2" x 2" x 0.125" sq.	6063-T52
Cross Members	3" x 3" x 0.375"	6061-T6
Cross Members	1.5" x 0.25"	6061-T6
<u>FORMED SHEETING</u>	<u>SIZE</u>	<u>ALLOY</u>
Skin/Roof/Compartments/Subfloors/Doors	0.125"	5052-H32
Interior Cabinets	0.090"	5052-H32
Diamond Plate	0.125"/0.08"	3003-H22
Stainless Steel	16 ga., 20 ga.	304 # 4B

2.02

MODULE DIMENSIONS

Drop Skirt	4.00 "
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Overall Vehicle Dimensions (Specifications are listed as minimums.)

Length	24 '	6.875 "	294.88 "
Width (excluding mirrors)	8 '	0 "	96.00 "
Height (Approximate)	9 '	6.25 "	114.25 "

Exterior Module Dimensions (Specifications are listed as minimums.)

Length	12 '	7 "	151.00 "
Width	8 '	0 "	96.00 "
Height	7 '	8.37 "	92.37 "

Interior Dimensions (Specifications are listed as minimums.)

Length	Forward Wall to Rear Wall	143.00 "
Width	Left Wall to Right Wall	91.00 "
Floor Width	Left Cabinets to Squad Bench	50.25 "
Height	Floor to Ceiling	72.00 "

Load Height (Approximate)	37.00 "
With suspension dumped	33.00 "

2.03**STRUCTURAL FRAMING**

Side wall and rear wall construction shall consist of 2" x 2" x 0.125" aluminum square tubing extensions welded together with a maximum of 14" centers. 1" x 2" x 0.125" aluminum tubing may be utilized in addition to 2" x 2" tubing to accommodate custom compartment sizes. The bottom of the wall structure shall be sealed with a welded 2" x 2" tube, a 2" x 2" angle, or a 0.125" plate depending upon location. The wall structure shall be capped with a 2" x 4" x 0.125" header upon which a 2" x 2" x 0.125" roof structure is welded. This process provides a unitized roll cage structure for greater occupant safety. The front wall structure shall be constructed of formed aluminum channels to allow ample space for wiring raceways, heater hoses, and A/C hoses.

2.04**FOUNDATION SYSTEM**

The foundation system shall consist of a 0.125" aluminum sheet subfloor with foundation members securely welded under the subfloor. Transverse members (laterals) shall consist of 3" x 3" x 0.375" structural angles. 0.25" x 1.5" aluminum stringers shall span longitudinally between the laterals.

2.05**MODULE SEAMS**

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

2.06**EXTERIOR SKIN**

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

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

2.07**MODULE ROOF**

In order to improve module strength and minimize exposed seams, the roof shall be seamed transversely, shall be crowned, shall have a 1.5" radius along the edges, and shall be welded to 2" x 4" wall header tubes 4.75" below the roof line. The roof shall be supported by positive contact between sidewall framing and roof framing. All seams on the roof surface shall be continuously welded and body-worked on the outside. In order to avoid the possibility of paint and/or weld cracking, no extrusions shall be used in the exterior construction of the roof or corners of the module.

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

2.08X

MODULE EXTERIOR COMPARTMENTS

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

Compartments shall have a *sweep-out* design.

COMPARTMENT #1

Interior Dimensions – 26.25"W x 70"H x 20"D

Doorway Dimensions – 26"W x 71"H

Location – Streetside, forward

Shelving – One full width shelf above the oxygen cylinder

Door(s) – Single, with recessed pocket in the forward portion of the door skin for stair chair storage

Light(s) – One LED Strip light

Additional Instructions –

1. A boot-shaped bracket shall be installed for a *customer-supplied-and-installed* Stryker Model #6252 Stair Pro stair chair (Section 4.27 related).
2. This compartment shall have a welded bracket, painted to match the compartment, and three ratcheting straps with UHMW stiffeners set up for storage of a *customer-supplied-and-installed* M-size cylinder.
3. A vent with MERV 8 polyester filter media shall be installed on the forward wall.

COMPARTMENT #2

Interior Dimensions – 24.625"W x 23"H x 11.875"D

Doorway Dimensions – 22.5"W x 24"H

Location – Streetside, forward of wheel well

Shelving – One adjustable

Door(s) – Single

Light(s) – One LED strip light

Additional Instructions –

1. A Webasto Air Top EVO 55, 12V Sleeper gas-fired air heater (**Part #5011181C**) shall be installed in a 24.625" W x 20.25" H x 8.125" D three-part closeout to protect the heater, return air, and hot air ducting. The vents for the return air and hot air shall be installed below cabinet #6 (Section, 2.10, 5.17X, and 6.37B related)

COMPARTMENT #3

Interior Dimensions – 35.25"W x 71"H x 20"D

Doorway Dimensions – 35"W x 70"H

Location – Streetside, rear

Shelving – One full width adjustable shelf

Door(s) – Double

Light(s) – Two LED strip lights

Additional Instructions –

1. Four full length adjustable tracks shall be installed vertically on the back.
2. A vent with MERV 8 polyester filter media shall be installed on the aft wall.
3. Two black powder-coated angled corner brackets with Zico #KDLP6SFPHS walkaway brackets shall be installed on aluminum track, one each forward and aft for two *customer-supplied-and-installed* MSA 4500 bottles (Section 4.10 related).
4. A backer plate and painted closeout shall be installed for D Ring installed in the interior of the module (Section 2.10 Cabinet #7 related).

COMPARTMENT #4

Interior Dimensions – 14.25"W x 76"H x 20"D

Doorway Dimensions – 14"W x 70"H

Location – Curbside, rear

Shelving – None

Door(s) – Single, with a single 0.75" rubber bumper at mid-height

Light(s) – One LED strip light

Additional Instructions –

1. Two backboard restraining straps shall be installed on the aft wall. A formed stainless-steel gasket cover shall be installed on the lower doorframe edge so that backboards do not cut gasket material.
2. A vent with MERV 8 polyester filter media shall be installed on the aft wall
3. A backer plate and painted closeout shall be installed for D Ring installed in the interior of the module (Section 2.10 Cabinet #11 related).

COMPARTMENT #5

Interior Dimensions – 27.125"W x 21.625"H x 19.75"D

Doorway Dimensions – 25"W x 20.5"H

Location – Curbside, aft of wheel well

Shelving – One adjustable

Door(s) – Single

Light(s) – One LED strip light

Additional Instructions – None

COMPARTMENT #6

Interior Dimensions – 24.875"W x 63.5"H x 35"D

Doorway Dimensions – 22.75"W x 63.5"H

Location – Curbside, forward

Shelving – See Cabinet #15

Door(s) – Single

Light(s) – One LED Strip light

Additional Instructions –

1. This compartment shall provide inside/outside access through Cabinet #15.
2. There shall be a closeout in the upper forward corner for the interior HEPA Filter system.
3. The air compressor shall be installed in the below floor storage, in the forward portion of the compartment, and be protected with perforated aluminum surround. (Section 1.02.11X related).
4. The lower portion of the compartment shall be vented through a soffit vent in the back wall.

2.09 MODULE DOORS

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

2.09.01 DOOR FRAMES AND SEALS

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

2.09.02 DOOR HINGES

Compartment and passage doors shall have full-length, piano-type, 2.5"W stainless steel hinges, positioned with 0.25" rivets at each end. The hinges shall be attached with #12 x 0.75" stainless steel truss head screws spaced 4" apart, sealed with Sikaflex. All curbside and streetside side-hinged doors shall be hinged on the forward sides, and all rear side-hinged doors shall be hinged on the outboard sides.

2.09.03 DOOR LATCHES

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

Rear passage doors shall both have emergency release levers, one at the top and bottom of each door and accessible from the inside of the module.

2.09.04

COMPARTMENT DOOR CONTROL

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

A 0.75" diameter rubber bumper shall be installed on Compartment #4 door to limit door travel.



2.09.05

CURBSIDE DOOR CONTROL

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

2.09.06

REAR DOOR CONTROL

Rear door controls shall be one grabber-type hold-open device with replaceable rubber catch, per door.

2.09.07

COMPARTMENT DOORSKINS

Each compartment doorskin shall be made of 0.080" bright aluminum diamond plate, shall be removable, and have a latch service opening with a 2.25" x 4.5" black rubber plug for lubrication and service. Doorskins shall be secured with #8 pan head screws and Sikaflex. Red/white 1.5" conspicuity tape shall be installed on the outboard vertical edge of each door.

2.09.08X

ENTRANCE DOORSKINS

Shall be 16-gauge stainless steel; and be removable to service door hardware. Red/white 1.5" conspicuity tape shall be installed on the top, bottom, and vertical edges of the side passage door and curbside rear door. The streetside rear door shall have conspicuity tape on the top and bottom edges.

2.09.09

ENTRANCE DOORWAYS

One curbside and two rear module entrance doors shall be provided. The curbside doorway dimensions shall be 31"W x 80.75"H. The rear doorway dimensions shall be 49.75"W x 66"H.

2.09.10

THRESHOLDS

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

2.10

MODULE INTERIOR CABINETS

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

CABINET #1 RECESSED MED VAULT

Dimensions – 12.875"W x 9.375"H x 9"D

Location – Streetside, forward

Shelving – None

Door(s) – None

Additional Instructions –

1. A recess for a *customer-supplied-and-installed* Knox MedVault 2 shall be made, including prewire (Sections 5.36X).

CABINET #2 – Restocking

Dimensions – 39.75"W x 10.75"H x 16.75"D

Framed Opening – 34.25"W x 6.938"H

Location – Streetside, upper forward

Shelving – None

Door(s) – Sliding clear polycarbonate with felt-lined anodized aluminum track, interlocking aluminum trim, and full extruded aluminum door pulls with integral door latch, in pre-formed aluminum frame, hinged at top with gas shock lift system, and latch.

Lighting – Two LED vertical in-cabinet strip lights shall be installed to illuminate this cabinet.

An under-cabinet LED strip light shall be installed under this cabinet (Section 6.14 related).

Additional Instructions –

1. One adjustable vertical divider shall be installed on the ceiling, with two aluminum tracks. The divider shall be placed against the forward side of the IV Warmer.
2. One 120VAC IV warmer shall be installed on the floor in the aft portion, with a 120VAC receptacle installed on the back wall (Section 6.35A).

CABINET #3

Dimensions – 34"W x 9"H x 10.75"D

Location – Streetside, upper center

Shelving – None

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

Additional Instructions – None

CABINET #4 – Restocking

Dimensions – 31.75"W x 13.75"H x 15.75"D

Framed Opening – 27.5"W x 9.938"H

Location – Streetside, upper rear

Shelving – None

Door(s) – Sliding clear polycarbonate with felt-lined anodized aluminum track, interlocking aluminum trim, and full extruded aluminum door pulls with integral door latch, in pre-formed aluminum frame, hinged at top with gas shock lift system, and latch.

Additional Instructions –

1. One adjustable vertical divider shall be installed on the ceiling, with two aluminum tracks.

CABINET #5 – Action Area

Dimensions – 35"W x 30.5"H x 20"D

Location – Streetside

Shelving – None

Door(s) – None

Additional Instructions –

1. The Action Area shall contain an SSCOR #22000 suction unit with control panel, a #22002 canister holder, dual oxygen outlet, inverter status panel, V-MUX display panel, a volume knob, one *customer-supplied* Motorola remote head radio Pre-Wire and speaker installed over the V-MUX and O₂ (Sections 6.18 and 8.02 related), one 120VAC GFCI duplex receptacle, one 12VDC receptacle and one Blue Sea USB charge port.
2. An Ohio-type suction receptacle shall be installed. An Ohio-type adapter barb fitting shall be installed in the suction receptacle with a clear vinyl hose that will connect to the SSCOR suction collector (Section 5.13V related).
3. Full depth counter top shall be located below the action wall. The counter top shall be one-piece 16-gauge, 304 stainless steel with a 0.5" aluminum retaining lip.
4. An oxygen window shall be installed at the forward end of the Action Area (#5).
5. A sharps and waste space (sized for a Becton-Dickinson, 6.9 Qt., sharps container and a 7 Qt. waste) shall be recessed into the aft end of countertop and accessible through a hinged polycarbonate door and accessible for changing through a removable panel on top of the area. A hole shall be cut into the cover over the sharps container (Section 5.26 related).

CABINET #6

Dimensions – 23.75"W x 17.25"H x 19.75"D

Location – Streetside, under Action Area (#5)

Shelving – None

Door(s) — Sliding clear 0.25" polycarbonate with felt-lined anodized aluminum track, interlocking aluminum trim, and full extruded aluminum door pulls with integral door latch.

Additional Instructions –

1. Return air, and hot air vents for the Webasto Air Top EVO 55, 12V Sleeper gas-fired air heater (**Part #5011181C**) shall be installed below this cabinet. The diesel fired heater, return air ducting, and hot air ducting shall be installed in a 24.625" W x 20.25"H x 8.125" D three-part housing closeout in Compartment #2 (Section 2.08, 5.17X, and 6.37B related)

CABINET #7 – CPR Seat with Storage

Dimensions – Bench: 41.75"W x 18.75"H x 20"D

Storage: 41.75"W x 6.875"H x 20"D

Location – Streetside aft of Action Area (#5)

Shelving – None

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

Additional Instructions –

1. The CPR shall be a WISE six point harness seat back and/or head pads shall have high-density foam padding covered with seamless vinyl. One pad shall be installed on the aft wall. A back pad and head pad shall be installed.
2. The seat base to be formed from aluminum and securely anchored to sub-floor. The bottom and unfinished sides of the storage area shall be sprayed with textured gray polyurethane and painted white with gray splatter.
3. Two 6000 lb. break strength "D" rings shall be recess-mounted in the wall below the stainless-steel lower wall cover for use as tie-down anchor points for a *customer-supplied-and-installed* transport incubator.

CABINET #8

Dimensions – 34.25"W x 10"H x 12"D

Location – Curbside, upper rear

Shelving – None

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

Additional Instructions – None

CABINET #9

Dimensions – 34.25"W x 10"H x 12"D

Location – Curbside, upper center

Shelving – None

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

Additional Instructions – None

CABINET #10 – HEPA FILTER ACCESS

Dimensions – 10.375"W x 16.25"H

Location: Curbside, pass thru wall of Cabinet #15

Shelving: None

Door(s): Aluminum panel, punched, with two SouthCo C2 lever latches, hinged to allow the door to be opened a minimum of 90 degrees before having contact with the forward pad (Section 5.17V, and 5.19X related).

Additional Instructions –

1. This cabinet shall provide storage for a provided HEPA filter pack kit.

CABINET #11– Squad Bench with Storage

Dimensions – Bench: 61.25"W x 18.75"H x 20"D

Storage: 61.25"W x 6.875"H x 20"D

Location – Curbside

Shelving – None

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

Additional Instructions –

1. The squad bench will be a WISE with a four point harness back and/or head pads shall have high density foam padding covered with seamless vinyl.
2. The seat base to be formed from aluminum and securely anchored to sub-floor. The bottom and unfinished sides of the storage area shall be sprayed with textured gray polyurethane and painted white with gray splatter.
3. A sharps and waste space (sized for a Becton-Dickinson, 6.9 Qt., sharps container and a 7 Qt. waste) shall be located at the forward end of bench and accessible through a hinged polycarbonate door with hole access and accessible for changing through a removable panel on top of the area (Section 5.26 related). There shall be a 2" access hole in the lid over the sharp's container.
4. Squad bench pad, sharps, and waste are to be an even level horizontally to allow for a back board to be placed on top.
5. A personnel restraint net shall be installed at the front of the squad bench (Section 5.34 related)
6. An oxygen outlet, Webasto Thermostat, and a momentary rocker switch to activate the dome timer shall be located just below the head pad at the forward end of the bench near the curbside door (Section 5.11, 6.16, 6.37 related).
7. Two 6000 lb break strength "D" rings shall be recess-mounted in the wall below the stainless-steel lower wall cover for use as tie-down anchor points for a *customer-supplied-and-installed* transport incubator.

CABINET #12 HVAC

Dimensions – 35.75"W x 16.5"H x 24.875"D

Location – Front, upper right

Shelving – None

Door(s) – None

Additional Instructions –

1. This cabinet shall house the heating/air conditioning unit and suction pump.

CABINET #13 – Electrical Cabinet

Dimensions – 31.25"W x 15"H x 10"D

Location – Front center, above the pass-thru area

Shelving – None

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

Additional Instructions –

1. This cabinet shall house the electrical component module.
2. **A four pin V-MUX diagnostic port shall be provided and installed for customer use (Section 6.0 related).**

CABINET #14 – Radio Cabinet

Dimensions – 17.5"W x 33.5"H x 10"D

Location – Center forward

Shelving – None

Door(s) – Painted aluminum aft-facing access panel, with two slotted quarter turn latches.

Additional Instructions –

1. This cabinet is intended for radio component storage in the upper portion and shall be supplied with access to power component panel. Antenna cables shall terminate in this cabinet.
2. An inverter shall be installed in the mid portion of the cabinet (Section 6.31 related).
3. The cabinet door shall be vented through a punched area in the upper and lower portion of the streetside wall adjacent to pass thru.
4. The 120VAC power box shall be recessed below the cabinet and be accessible from behind the attendant seat through a removable acrylic panel with a thumb hole (Section 6.21X related).

CABINET #15

Dimensions – 26.5"W x 45.5"H x 24.875"D

Location – Right front stack, lower

Shelving – One adjustable 1" x 1" lip down on both interior and exterior edges. Shelf shall have a hole for power cord accommodation.

Door – ROM roll up door with J236 lock

Additional Instructions –

1. This cabinet shall share inside/outside access with Compartment #6.
2. One 120VAC GFCI duplex receptacle and one 12VDC receptacle shall be installed in the back wall just above the shelf on the right-hand side.
3. An angled stainless-steel threshold shall be installed on the interior access side. The area shall be lined with Matéflex flooring.
4. A closeout shall be installed on the aft left wall for the HEPA filters.
5. A 12VDC battery hot prewire shall be installed in the closeout on the forward wall for future *customer supplied and installed* portable suction (Section 5.13X and 6.25X related).

2.11A**SIDE DOORSTEP**

A recessed curbside double doorstep shall be provided which is 19" deep x 31" wide at the curbside passage door.

There shall be a drain hole and light gray Matéflex floor tile which is removable for cleaning purposes. Aluminum diamond plate kick panel shall be installed on the sides and face of the doorstep.

2.13**CAB TO MODULE PASSAGE**

Shall be a pass-thru measuring 16"W x 12.5"H on the cab side, 16"W x 15"H on the module side. A clear sliding polycarbonate window on the cab side of the pass-thru shall provide isolation between cab and module (Section 1.03.02 related).

2.14**WHEEL WELL LINERS**

Wheel well liners made of formed aluminum shall be installed in the module wheel well openings. Insulation shall be installed over the wheel wells.

2.15**ELECTROLYSIS PREVENTION**

All external materials and fasteners shall be selected to prevent electrolysis and corrosion due to dissimilar materials and exposure to the elements. The module shall be painted before any exterior items (hinges, latches, door hold opens, etc.) are installed to provide an isolating film between dissimilar materials. Exterior fasteners used for direct connection to painted aluminum surfaces shall be coated with a corrosion inhibitor.

3 COATINGS AND FINISHES

3.01 MODULE FINISH PREPARATION

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

3.02 MODULE PRIMER

Module shall be sealed with a two-component, low VOC, direct-to-metal epoxy primer/sealant prior to applying the finish coat of acrylic urethane paint.

3.03 PAINT TYPE

Shall be Sherwin Williams acrylic urethane.

3.04 COLOR SCHEME

Base Color: To match Ford Race Red (G4-100871777)

Reference: See #2517-1 photos

Stripe #1: Color: White (680CR-10)
Size: 2"H
Style: Beltline with a 45-degree upsweep on the sides of the module and a down sweep on the rear doors
Material: Scotchlite
Location: Front, sides, and rear of the module, 1" above the 6" white stripe

Stripe #2: Color: White (680CR-10)
Size: 6"H
Style: Beltline with a 45-degree upsweep on the sides of the module and a down sweep on the rear doors
Material: Scotchlite
Location: Front, sides, and rear of the module, beltline

Stripe #3: Color: White (680CR-10)
Size: 2"H
Style: Beltline with a 45-degree upsweep on the sides of the module and a down sweep on the rear doors
Material: Scotchlite
Location: Front, sides, and rear of the module, 1" below the 6" white stripe

Rear doors:



Item #S2 Lettering: "FAIRBANKS FIRE"
 Font: Bookman Old Style
 Color: Imitation Gold Leaf with Black Drop vinyl outline and
 drop shadow to the left
 Dimensions: 5.17"H x 55"W
 Material: Vinyl – Imitation Gold Leaf with Black Vinyl
 Location: Upper center

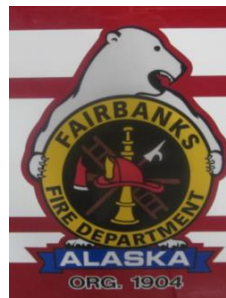


Item #S3 Decal: USA Flag
 Width: 8.2"H x 12"W
 Style: Printed color on white Vinyl, US Flag in the wind.
 Material: Vinyl
 Location: Compartment #3 door, upper



Item #S4 Lettering: "GOLDEN HEART CITY"
 Font: Helvetica Bold
 Color: Gold #680CR-64
 Dimensions: 3.17"H x 48"W
 Material: Scotchlite
 Location: In the white 6" stripe

Item #S5 Decal: *Fairbanks Fire Department* decal (Section
 Location: 8.02 related). Between stripes centered on
 chassis door



Rear:

Item #R1 Lettering: "PARAMEDIC"
Font: Helvetica Compact
Color: Imitation Gold Leaf with black outline and drop shadow left.
Dimensions: 4.5"H x 33.5"W
Material: Vinyl Imitation Gold Leaf with Black Vinyl
Location: Rear passage doors, upper

Item #R2 Lettering: "A-12"
Font: Helvetica Bold
Color: Gold #680CR-64
Dimensions: 4"H x 10"W (Measurements from current Ambulance)
Material: Scotchlite
Location: Rear of module, upper curbside

Item #R3 Decal: Star of Life – Window Perf (blue with white backing, white border, and white Rod of Asclepius)
Location: Rear Windows
Qty: 2

Item #R4 Lettering: "AMBULANCE"
Font: Helvetica Compact
Color: Imitation Gold Leaf with black shadow outline and drop shadow left
Dimensions: 4.5"H x 35"W between outer edge of the Street side and Curb Side Rear Windows.
Material: Vinyl Imitation Gold Leaf with Black Vinyl
Location: In 6" stripe on rear doors, the width of the outer edges of the curbside and street side rear windows.

Curbside:

Item #C1 Decal: Star of Life
Color: Blue with white outline and white Rod of Asclepius
Size: 16"
Material: Scotchlite
Location: Compartment #6 door, upper

Item #C5 Decal: *Fairbanks Fire Department* decal (Section 8.02 related).
Location: Between stripes centered on chassis door



3.06 COMPARTMENT FINISH

All compartments shall be sanded, etched, washed, primed, coated with textured polyurea thermoplastic elastomer finish and painted white with light gray splatter paint. (G2-33631 Alt 2 / GLV-51748)

All shelves and trays shall be sanded, etched, washed, primed, and painted white with light gray splatter paint. (G2-33631 Alt 2 / GLV-51748)

3.07 INTERIOR CABINETRY FINISH

All interior cabinetry shall be sanded, etched, washed, primed, coated with textured polyurea thermoplastic elastomer, and painted white with light gray splatter paint. (G2-33631 Alt 2 / GLV-51748)

All shelves and trays shall be sanded, etched, washed, primed, and painted white with light gray splatter paint. (G2-33631 Alt 2 / GLV-51748)

3.08 MODULE UPHOLSTERY

Module upholstery material shall be Dove Gray Spradling Perform 60 seamless vinyl.

3.09 MODULE FLOORING MATERIAL

Shall be Genome (#TFM2702) Altro Transflor Meta Slip-Retardant Sheet flooring providing durability, ease of maintenance and stain resistance. It shall contain a high concentration of microscopic aluminum oxide particles and colored quartz crystals suspended throughout the thickness with silicon carbide grains in the entire wear surface for slip-retardant performance. It shall have a bacteriostat incorporated to give flooring excellent anti-bacterial activity and an overall thickness of 0.11" nominal. Flooring shall be manufactured for Wear Resistance to meet ASTM C 501, indentation resistance in accordance with ASTM F 1303 and ASTM F 970, Grade 1 standards, shall meet ASTM D 2047 Slip Retardant, ASTM F 970 Static Load, ASTM E648, CMVSS, FMVSS 302, CAN ULC S102.2 Fire Data Tests. (Section 5.04 Related)

An insulated floor shall be installed over the 0.125" aluminum subfloor and shall be comprised of 0.75" thick polyiso insulation between 0.75" x 0.75" x 0.063" square tubing, covered with a 0.125" aluminum sheet (Section 2.04 related).

Floor covering material shall be seamless and cove up the side walls.

3.10 COMPARTMENT LINING

Compartment floors shall be lined with light gray Matéflex floor tile and all shelves with mat.

3.11**CABINET LINING**

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

3.12**SURFACES AND FINISHES**

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

4 MODULE EXTERIOR

4.01X STEP/BUMPER

The rear bumper shall be a welded construction of 3" x 3" x 0.375" aluminum angle and 1.5" x 0.25" flat bar and shall be covered by 0.125" bright aluminum diamond plate. The center section, below the doors, shall have Grip Strut open flow design to prevent accumulation of water and snow and provide a 10" step. This step shall flip up for ease of access. Both outermost ends shall be angled to prevent dragging of corners in high angle of departure areas. Diamond plate shall be formed on front and rear edges for channel-type strength, and a formed 0.090" aluminum closeout shall be welded to the underside of the bumper. The bumper shall be bolted directly to the chassis frame using high strength Grade 5 bolts. Bumper shall be easily removable and replaceable in case of damage. Bumper to be designed to accommodate a one-person-style cot.

A formed piece of stainless-steel plate shall be installed on the bottom of the grip strut to prevent damage to cots when loading. Plate shall angle toward the top to ease loading a cot. A drain hole shall be installed on the lower edge.

Bumper frame and underside shall have rubberized undercoating applied (4.34 related).

Mount bumper 0.5" from kick panel so flip-up center section stays up when suspension is dumped.

4.02 RUB RAILS

Bright finished extruded aluminum rub rails of a double channel design shall be installed along the lower streetside and curbside edges of the module. Rub rails shall be 2.5"H x 0.75"W x 0.125"D, with 0.5" red/white conspicuity reflective tape installed in the insert area.

4.03 FENDER RINGS

Bright polished aluminum fender rings with a rounded outer edge shall be installed on the module, following the full contour of the wheel well opening.

4.04 DRIP RAILS

Extruded, anodized aluminum drip rails shall be installed the full length of the module front, rear, and sides near the roof, and over each exterior compartment and curbside passage door. Drip rails shall be installed with bonding tape and mechanical fasteners on each end that shall withstand exposure to the elements. They shall be finished with 45-degree angled ends to avoid hooking materials which brush against the vehicle causing damage.

4.05 ROCK GUARDS

Bright aluminum diamond plate rock guards shall cover the front module corners, 24" up from bottom of module, 2.5" wrapped around the sides of module, and 15" across the front of the module.

4.06X REAR KICK PANEL

A bright aluminum diamond plate rear kick panel shall extend from the bottom edge of the module up to the bottom of the rear doors, full-width formed and wrapped 2.5" around the sides of the module.

Rear kick panel shall have recessed tow ring pockets, but no light cut-outs.

- 4.07 FUEL FILL**
A polished cast aluminum fill well shall be installed on the streetside of the module and be properly vented. Fill and vent hoses shall be installed and protected in accordance with the chassis bodybuilder recommendations.
A fill shall be provided for the DEF tank, between the cab and module, streetside.
- 4.08 MODULE WINDOWS**
All module windows shall have black anodized aluminum frames, rubber gaskets, be dark-tinted and shall be attached with screws for ease of replacement. The side door window shall be 18.75" x 18.75" with sliding glass, a positive catch, and a screen. The rear door windows shall be 18.75" x 18.75" fixed glass to prevent exhaust from entering the module.
- 4.09 FUEL SPLASH GUARD**
A stainless-steel fuel splash guard shall be installed below the fuel fill.
- 4.10 EXTERIOR OXYGEN CYLINDER STORAGE**
Two black powder-coated angled corner brackets with two Zico SCBA walkaway cylinder brackets shall be installed on aluminum adjustable track in the fore and aft corners on the back wall of Compartment #3 to hold two *customer-supplied-and-installed* MSA 4500 bottles.
- 4.16B LICENSE PLATE HOLDER**
A recessed license plate holder with dual Whelen #0AC0EDCR LED lights with angled chrome bezels shall be installed below rear doors.
- 4.17A ELECTRIC STEP**
A Zico VS-24-9 single electric step with a 7.625" drop shall be installed under the curbside passage door and shall be wired to extend and retract with the door.
- 4.27 STAIR CHAIR STORAGE**
A boot-shaped bracket shall be installed by bid winner in Compartment #1 for storage of a *customer-supplied-and-installed* Stryker Model #6252 Stair Pro stair chair.
- 4.33 BELOW FLOOR INSULATION**
To further enhance thermal and anti-condensation insulating properties of the floor system, a composite ceramic insulating coating shall be applied to the entire bottom surface of the module, including wheel well liners.
- 4.34X AUTOMOTIVE UNDERCOATING SEAL**
The chassis and module underbodies (excluding the area above the fuel tank, driveline, and exhaust lines, per manufacturer's specifications) shall be sprayed with undercoating for reduced corrosion and added sound deadening.
The bottom of the rear bumper shall be undercoated (Section 4.01X related).

5 MODULE INTERIOR

All interior hangers, supports, fasteners, latches, and hinges shall be of a near-flush-type design. The patient compartment shall be free of sharp projections. Exposed edges and corners shall be broken with a radius or protected with 1" high-density foam covered with heavy-duty vinyl color-matched upholstery.

5.01 UPPER WALL COVERING

The upper module interior walls shall consist of light gray, heavy-grade, 0.125" ABS vinyl panels attached to the wall structure with a closed-cell polyethylene foam tape coated on both sides with a permanent acrylic-based pressure-sensitive adhesive.

5.02 HEADLINER

The headliner shall be 0.125" aluminum which is sanded, etched, washed, primed, and coated with textured polyurea thermoplastic elastomer, and painted white with light gray splatter paint (G2-33631 Alt 2 / GLV-51748).

5.03X HEAD PADS/CUSHIONS

Head pads located over all module access openings and seat backs shall be 0.5" or 1" foam covered with heavy-duty seamless vinyl upholstery.

Seat cushions shall be 3" foam covered with heavy-duty seamless vinyl upholstery (Section 3.08 related).

A pad shall be installed on the wall aft of the CPR seat.

All seat and back pads shall be removable for ease of cleaning.

5.04B LOWER WALL COVERING

The squad bench sides and streetside wall from the Action Area (#5) counter top down shall be covered with polished stainless steel.

5.05 GRAB RAIL

Two 75"L x 1.250"D stainless steel grab rails with three support brackets shall be securely mounted to roof structural framing. The rails shall be mounted 7.5" on either side of centerline.

5.06 ACCESS DOOR GRAB RAILS

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

5.07 IV HANGERS

Four ceiling mounted Cast #IV2008 recessed IV holders shall be installed, two each towards the streetside and curbside.

5.08D

COT MOUNT

A *customer-supplied* Stryker Power-LOAD #6390 cot fastener system shall be installed by bid winner (Section 8.02 related). A safety hook shall be installed in the Power-LOAD floor plate.

The Power-LOAD anchor assembly shall be installed to position the aft end of the cot 11" forward of the rear doors. A *customer supplied* Stryker PowerPro Cot will be shipped loose (Section 8.01 and 8.02 related).

To allow use of non-Power-LOAD, X-frame cots with the Power-LOAD system, a floor plate with plastic cover shall be provided and installed for mounting a customer-supplied and installed rear rail clamp. A safety hook shall be installed in the Power-LOAD floor plate.

No rear rail clamp shall be installed.

5.09

COT PLATES

Two bright finish stainless steel 7" wide cot plates shall be installed and shall run from the rear passage doors to the forward wheel position. The cot plates shall be attached with a reinforced acrylic tape and polyurethane adhesive sealant system.

5.10X

ATTENDANT SEAT

A Wise #1808 rear-facing high-back bucket seat with a built-in child safety seat and upholstered with heavy grade vinyl, dove gray, shall be located at the head of the cot position and provide easy access to all action wall controls and outlets, and to the patient. Seat shall swivel, have a 5-point seatbelt, and be securely anchored on a #1934 swivel base.

5.11V

OXYGEN SYSTEM

The entire oxygen system to be assembled with certified oxygen hose (1000 PSI burst strength) with brass fittings, pressure tested, and certified. The electric oxygen system shall be integrated into the V-MUX system. The electric solenoid with manual bypass shall be controlled from the Action Area V-MUX display (Section 6.13V related). The display shall include a digital read-out of the oxygen system's pressure, a solenoid on/off control, a visual low-pressure alarm, audible low-pressure alarm, and an oxygen alarm silence feature. The visible low pressure alarm trigger point shall be set at 500 psi, and the audible low pressure alarm trigger point at 200 psi. A 50 PSI regulator shall be included, and one oxygen tank wrench shall be attached to the compartment wall with hook-and-loop tape.

Three Ohio-type outlets shall be installed:

- One dual outlet in Action Area #5
- One on the curbside wall above the squad bench
- One in ceiling above the primary patient

The system shall operate through the V-Mux System such **that the electric oxygen will be defaulted to the On Mode upon power up.**

5.12

SUCTION PUMP

The unit shall have an electric pump as the source of suction, installed in HVAC cabinet, and be vented to the outside of the vehicle under the module body.

The pump shall be controlled by an on/off switch labeled "SUCTION" on the attendant panel in Action Area (#5) (Section 6.13 related).

5.13X

SUCTION COLLECTOR

A flush mount SSCOR #22000 suction regulator and #22002 stainless steel wall-mount bracket with a 1200cc Bemis disposable canister and clear vinyl tube shall be installed in the Action Area #5.

An Ohio-type adapter barb fitting shall be installed in the suction receptacle with a clear vinyl hose that will connect to the SSCOR suction collector.

A 12VDC battery hot prewire shall be installed in the closeout on the forward wall of Cabinet #15 for future *customer supplied and installed* portable suction (Section 6.25X related).

5.14X

SEATBELTS

Black DOT-compliant seatbelts shall be installed at each seating position. Three sets of six-point automatic locking retractor seatbelts shall be installed on the squad bench with three additional lower seatbelt buckle ends and be set up for use with sit-up or stretcher patients. The CPR seat shall have a single six-point automatic locking retractor seatbelt. The attendant seat shall have a three-point seatbelt.

5.16X

INSULATION

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

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

A 3" wide, 60-mil, closed cell polyethylene foam tape shall be used as a thermal break on the inside surface of the roof and wall tubes.

Additional 1.5" Polyisocyanurate foam plank insulation with a 0.090" aluminum protective sheet shall be installed below the aluminum subfloor.

Access openings shall be provided in the below-floor insulation for module mounting hardware.

Heater hoses and the low-pressure air conditioner hoses between the engine and module shall be insulated with closed cell foam insulation. –

To further enhance thermal and anti-condensation insulating properties of the floor system, a composite ceramic insulating coating shall be applied to the entire bottom surface of the module, including wheel well liners (Section 4.33 related).

5.17V MODULE CLIMATE CONTROL SYSTEM

The module HVAC system shall incorporate a combination heating/air conditioning unit with 36,000 BTU/hr. heating and 32,000 BTU/hr. cooling capacity. The unit shall have a 580 CFM fan and controls independent of the cab system. A 12VDC booster pump shall be installed to optimize the heating capacity in the module. A return air path with open area equal to at least twice the blower outlet area shall be incorporated into the evaporator closeout.

A second blower, washable pre-filter, carbon panel filter, and Mini-pleat HEPA filter shall be installed.

The module HVAC system shall be integrated into the V-MUX system, and shall have controls in both the Action Area and driver's console V-MUX displays. Controls shall include HVAC Mode (Off/Auto/Heat/Cool), Blower Speed Up/Down, and Temperature Up/Down. Displays shall also include Module Inside Temperature and Set Point Temperature.

A Webasto Air top Evo 5500G gas-fired air heater, return air, and hot air ducting shall be installed in a 24.625" W x 20.25"H x 8.125" D three-part closeout to protect the diesel fired heating system in Compartment #2. The return and hot air vents shall be installed below Cabinet #6. The heater shall be fueled from the chassis fuel tank. A Webasto Rheostat Heater control shall be installed in the curbside Action Area (Section 2.10 related). The rheostat control shall provide blink codes to allow for end-user diagnostics. The heater shall be wired battery hot with ignition interlock such that turning off the chassis ignition switch causes the heater to shut down through its required cooldown cycle (Section 2.08, 2.10, and 6.37B related).

5.18X EXTERNAL AIR INTAKE

To supplement heated or cooled air with fresh air, an external air intake shall be provided on the side of the module. The intake shall consist of an opening protected by an aluminum vent cover. The interior chamber of the intake shall be made of aluminum and be formed to prevent the collection of moisture. Washable filter media shall be installed in the intake chamber.

5.19X AIR RETURN

Return air shall enter the HEPA filter system through a punched painted aluminum door that covers and provides service access to the filter pack.

An additional blower shall be installed to boost air flow to the heater A/C unit.

The HEPA filter pack shall include a washable pre-filter, carbon panel filter, and mini-pleat HEPA filter. Printed tape labels shall be installed inside the filter enclosure to show proper filter sequence: 0.5" pre-filter, 2" carbon filter, 4" HEPA filter. Gasketing shall be installed to ensure secure fit of filter elements and to prevent leakage past the HEPA filter.

5.20V EXHAUST VENT

A two-speed motor-powered exhaust vent with a chrome Perko cover shall be located in the curbside rear corner of the module.

Vent shall be integrated into the V-MUX system and the on/off feature shall be controlled from the Action Area V-MUX display.

5.21 NO SMOKING/FASTEN SEAT BELTS SIGNS

Two "No Smoking/Fasten Seat Belt" signs shall be installed - one each for driver's area and module.

- 5.24A** **CLOCK**
An atomic-controlled clock shall be installed: at the aft end of the curbside squad bench. The clock shall be LCD display and show hours (12/24 selectable), minutes, seconds, date, day, and temperature. Clock shall be powered by two alkaline batteries.
- 5.26X** **SHARPS/HAZARDOUS WASTE CONTAINERS**
One Becton Dickinson 6.9 qt. sharps container and one 7 qt. waste container shall be installed at the aft end of the Action Area #5 countertop, with a hinged 0.25" clear polycarbonate cover.
One Becton Dickinson 6.9 qt. sharps container and one 7 qt. waste container shall be installed at the forward end of the curbside squad bench, with a hinged 0.25" clear polycarbonate cover.
- 5.29** **OXYGEN WINDOW**
A 6" x 11" clear polycarbonate oxygen window with knob and self-closing hinges shall be installed.
- 5.32** **GLOVE BUTLERS**
Four white glove butlers shall be provided and shipped loose (Section 8.01 related).
- 5.34** **PERSONNEL RESTRAINT**
A net system installed at the forward end of the curbside squad bench to prevent a person seated on the bench seat from traveling forward off the seat and into the front cabinetry due to sudden braking. The net system shall be constructed of black 2" webbing and shall be easily detached for cleaning or replacement.
A second net shall be provided and shipped loose (Section 8.01 related).
- 5.36X** **MEDICATION SAFE**
A recess/prewire for a *customer-supplied and installed* Knox MedVault 2 shall be provided as Cabinet #1 (Section 8.02 related).
- 5.38X** **KEY SECURE**
A *customer-supplied* Knox KeySecure 5 shall be installed on the chassis floor forward of the driver's console; offset to the passenger side. Top of key secure in the 10:30 position relative to the vehicle access. (Section 1.02.35 related and Section 8.02 related).

6.0V ELECTRICAL

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

The vehicle electrical system shall be tested and certified to AMD 005 requirements.

All doors with electrical components shall use quick connectors from doorframe to door.

The V-Mux system shall utilize Hercules HC2 nodes.

A four pin V-MUX diagnostic port shall be provided in the electrical cabinet #13 for customer use.

Note: V-MUX displays shall be programmed to match #3120-1.

6.01V ELECTRICAL LOAD DEVICES

Electrical loads served by the Weldon V-MUX system shall utilize the overload protection features inherent in the V-MUX system. One 150-amp manual resettable breaker shall be used on the power supply for each V-MUX input/output node. Loads not served by the V-MUX system shall utilize automotive-type resettable circuit breakers. In addition, one single pole, 20-amp circuit breaker shall be provided for future use.

6.02V VOLTMETER

The driver's console Vista IV screen shall display system voltage (Section 6.09V related). A visual and audible alarm shall activate to indicate high or low voltage.

6.03V AMMETER

The driver's console Vista IV screen shall display alternator output amperage (of each alternator or of the alternator, check chassis spec) when the ignition is on (Section 6.09V related).

6.04V IGNITION CONTROL

Ignition-controlled circuits shall be controlled through the V-MUX system as triggered by the OEM chassis ignition switch.

6.05X

MODULE POWER

Module power shall be integrated into the V-Mux system and controlled by Ignition. An ignition interlock shall disconnect module power 15 minutes after vehicle's ignition is turned off. The interlock shall also allow module power to be reactivated independently for 15 minutes by cycling either the ignition switch.

An InPower SSC42-275 shall be installed to activate the VMUX system. The InPower SSC42-275 shall control the VMUX nodes and allow the system to shut down to prevent battery loss.

The Module disconnect switch labeled "MODULE DISC" shall disable Module related functions.

6.06

WIRING ACCESS

All cabinets and compartments shall have removable panels as needed to access wiring harnesses and hoses.

6.07

BACK-UP ALARM

An SAE J994-compliant self-adjusting back-up alarm shall be installed.

6.08

SERVICE LOOP

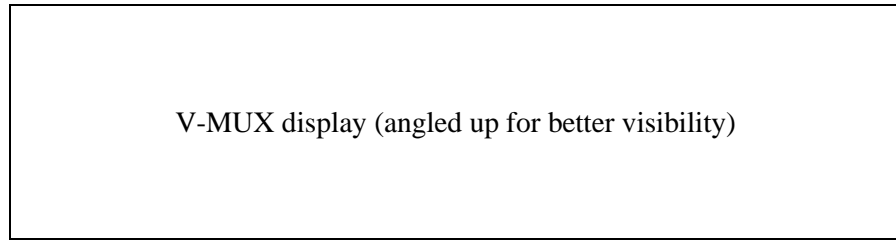
A 6" service loop of wire or harness shall be provided at all electrical components, terminals, and connection points.

6.09X

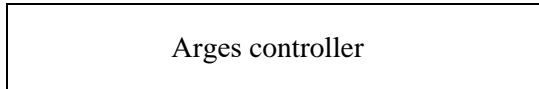
CUSTOM DRIVER'S CONSOLE/MAP BOX

A driver's console made of black-powder-coated formed aluminum shall be installed between the seats. It shall have a custom switch panel with the following layout, two cup holders, and a map holder with four mill-finished aluminum dividers. The Park Override legend button shall disable door switch activation of dome lights, scene lights, and compartment lights.

SWITCHPLATE LAYOUT:

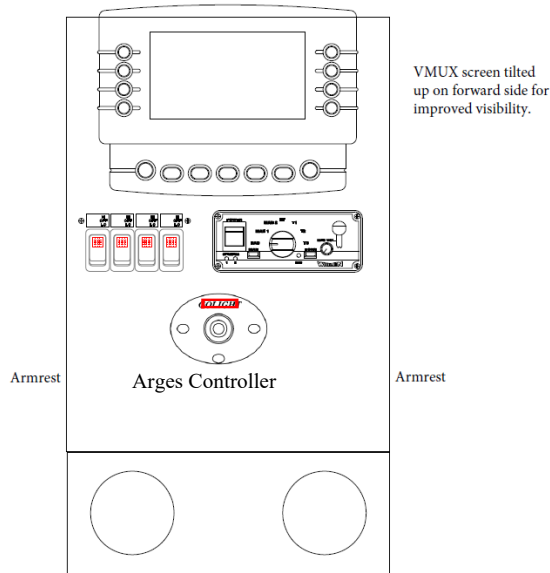


1.	2.		Siren
Air Horn	Driving Lights		



OTHER ITEMS ON CONSOLE

1. 120VAC GFCI duplex Receptacle, front of console, curbside, mid-height.
2. Two Radio speakers:
 - One customer supplied Motorola streetside forward wall of console.
 - One bid winner provided speaker curbside forward wall of console (Section 6.18 related).



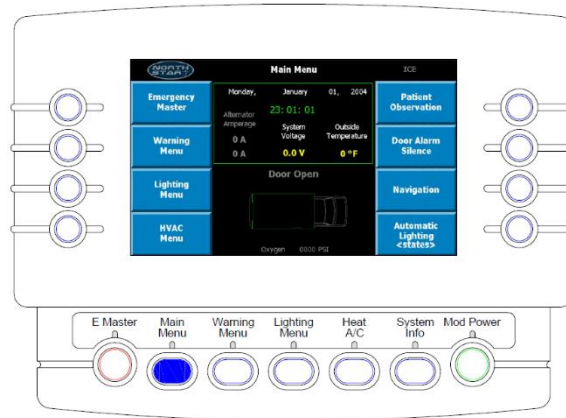
There shall be one V-MUX Vista IV touchscreen panel on the driver's console that is integrated with the V-MUX system.

The vista display will be tilted up for visibility purposes. The V-MUX Panel shall include:

MAIN MENU

Emergency Master
Warning Menu
Lighting Menu
HVAC Menu

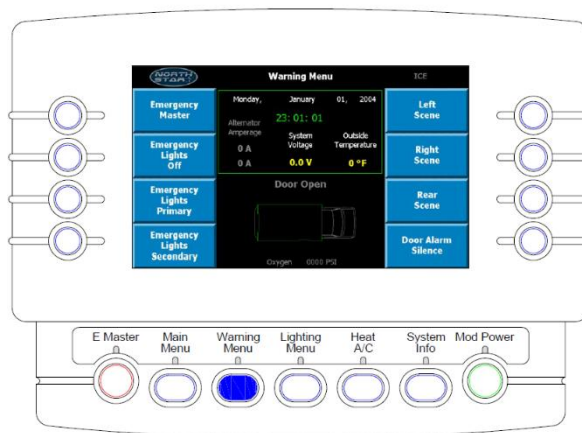
Patient Observation
Door Alarm Silence
Navigation
Automatic Lighting <states>



WARNING MENU

Emergency Master
Emergency Lights Off
Emergency Light Primary (*All Flashers and Opticom shall turn On*)
Emergency Lights Secondary (*Opticome off and only upper warning box lights on.*)

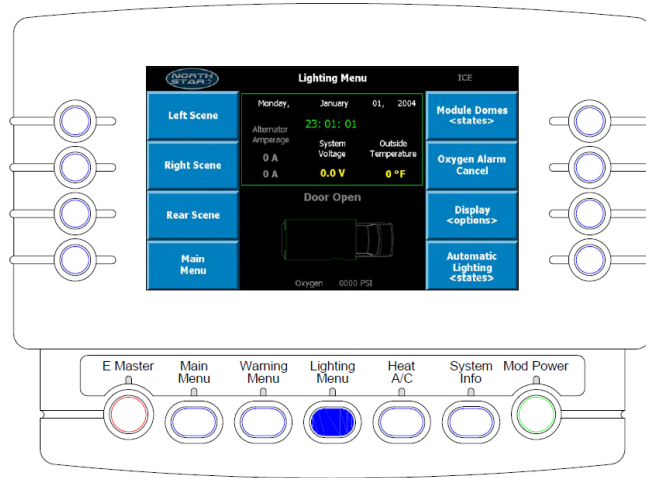
Left Scene
Right Scene
Rear Scene
Door Alarm Silence



LIGHTING MENU

Left Scene
 Right Scene
 Rear Scene
 Main Menu

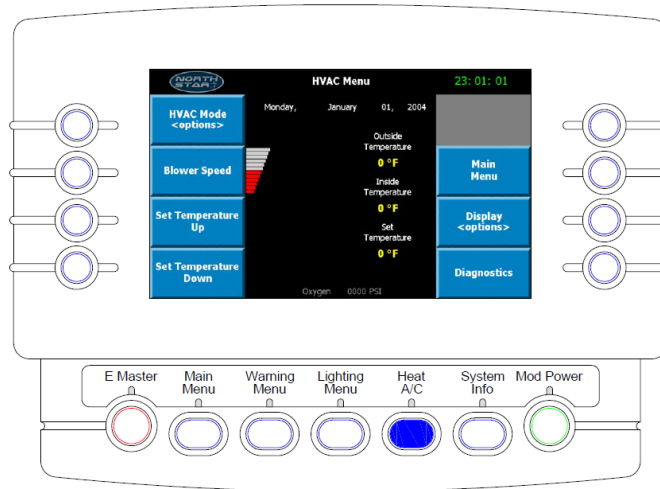
Module Domes <states>
 Oxygen Alarm Cancel
 Display <options>
 Automatic
 Lighting <states>



HEAT A/C

HVAC <options>
 Blower Speed
 Set Temperature Up
 Set Temperature Down

Main Menu
 Display <options>
 Diagnostics



LIGHTING MENU / MOD POWER

Left Scene
 Rear Scene
 Right Scene
 Main Menu

Module Dome Lights
 Oxygen Alarm
 Display Brightness
 Module Lighting

SYSTEM INFO – DIAGNOSTICS NODE

MOD POWER

OTHER INFORMATION DISPLAYED ON VISTA IV PANEL:

Ammeter/Voltmeter

Door Open Warning Alarm

Outside Temp

6.10V

SWITCHES

Rocker switches shall be interlocked through the V-MUX System.

Two rocker switches shall be installed on the Action Area (#5) wall: one for the attendant light and one for the suction (Section 6.13V related).

Three rocker switches shall be installed on the driver's console: one for Air Horn, one back-up disable, and one for driving lights. One On/Off switch shall be installed in an electrical junction box behind driver's seat for the block heater.

6.12V

DOOR AJAR WARNING LIGHT

Warning indicators shall be part of the V-Mux system and shall display on the driver's console Vista screen. The display shall include chassis, module passage and compartment doors and shall activate when a door is open and the ignition is on. In addition to the visual indication, an audible alarm shall sound if a door is open and the vehicle is out of park. There shall be a button on the driver's console Vista display to silence the alarm, limited to when the vehicle is in park.

6.13V

ATTENDANT CONTROL PANEL

There shall be one V-MUX Vista IV panel installed on the curbside on the Action Area (#5) wall and that is integrated with the V-MUX system. Note: Menu layout shall match #2517-1.

HVAC MENU

HVAC Mode <options>

Blower Speed

Set Temperature Up

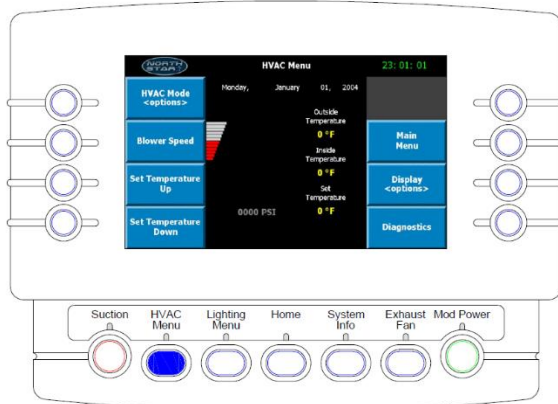
Set Temperature Down

Main Menu

Display <options>

Diagnostics

Front and rear module HVAC controls are to be tied together, Temperature controls to retain temperature setting when vehicle is turned off and then back on.

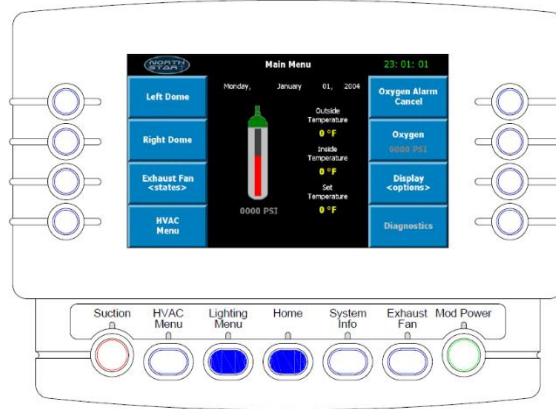


LIGHTING MENU / HOME

Left Dome
 Right Dome
 Exhaust Fan <states ((Hi/Off/Low)>
 HVAC Menu

Oxygen Alarm Cancel
 Oxygen (PSI)
 Display <options>
 (Normal/Dim/Night/Max)>
 Diagnostics

Oxygen will be defaulted to the “On” position upon power up.



SYSTEM INFO – Diagnostics Nodes

MOD POWER

OTHER INFORMATION DISPLAYED ON VISTA PANEL:

Oxygen System Pressure
 Temperature Set Point
 Inside Temperature

A two-switch attendant control panel shall be located on the streetside wall forward portion of the Action Area (Cabinet #5) with the following switch layout:

1.	2.
Suction	Attendant Light

6.14X CABINET LIGHTING

The wall area below Cabinet #2 shall be lighted utilizing under-cabinet LED strip lighting. Two in-cabinet vertical LED strip lights each shall be installed in Cabinet #2. Both the under-cabinet and in-cabinet LED strip lighting for Cabinet #2 shall be controlled with a single on/off switch labeled "ATTENDANT LIGHT" in the streetside attendant panel.

6.15A STEPLIGHTS

A Whelen #0AC0EDCR Clear Lens Clear LED light shall be installed on the forward wall of the curbside door stepwell.

6.16V**MODULE INTERIOR LIGHTING**

Shall be designed to keep vehicle height to a minimum without interfering with the structural integrity of the roof. Module interior lighting shall consist of eight dual intensity Whelen #80C0EHCR LED recessed lights - one bank of four lights shall be positioned toward streetside and four lights toward curbside.

The dome lights shall be controlled through the V-MUX displays.

The curbside bank of lights shall be automatically activated when the rear or side doors are opened or by a momentary rocker switch labeled "DOME TIMER" mounted on the wall near the curbside passage door which is independent of the V-Mux system, which shall activate a battery hot timer. Pressing the switch once shall initiate 15-minute timed operation of the lights. Pressing the switch again shall cancel the timed operation. The Park Override legend button on the V-MUX console display shall disable door switch activation of dome lights, scene lights, and compartment lights.

6.17X**BASIC EXTERIOR LIGHTING**

Basic lighting shall include headlights, parking lights, directional signal lights, tail and stop lights, license plate light, back-up lights, hazard lights, identification lights, clearance lights, and side marker lights as required by FMVSS 108. Module identification lights, clearance lights, and side marker lights, unless included on a lightbar, shall be Truck-Lite LED Model 36. Rear and side reflex reflectors shall be installed in accordance with FMVSS 108 requirements.

Rear stop/tail, turn and back-up lights shall be Whelen 600 Series LED lights with chrome flanges, stacked vertically on the rear of the module, outboard above the rear kick panel, pattern from top to bottom: #60BTT Red Lens red stop/tail light, #60A00TAR Amber Lens Amber turn signal, and #60C00VCR Clear Lens Clear back-up light. The back-up lights shall activate automatically when the vehicle is placed in reverse.

Two Whelen #60A00TAR Amber Lens Amber LED signal turn arrows with chrome flanges shall be installed on the front of the module, one below streetside outer flasher, and one below outer curbside flasher.

One Whelen #70BTT Red brake light with chrome flange shall be center mounted on the upper rear of the module as a third brake light.

6.18

COMMUNICATIONS EQUIPMENT

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

Item #1 **Description:** Power and Ground pre-wires, *customer-supplied* Radio harnesses and two speakers shall be installed in the following locations (One Motorola Speaker, Model #HSN4031B **provided by bid winner.**)

Locations:

- Transceiver Pre-Wire - Cabinet #14 (Radio Cabinet)
- Remote Head Pre-Wire(1st) - Cabinet #5 (Action Area) above manual bypass.
- Speaker (1st) - Cabinet #5 (Action Area) Forward of Radio Head, above manual bypass.
- Remote Head Pre-Wire (2nd) - Forward and centered on cab ceiling.
- Speaker (2nd) - Streetside forward wall of the console.
- Motorola HSN4031B - Installed on the Curbside forward wall of the console.

Additional Instructions:

All connections shall be made, including antenna, antenna cable(s), battery power, ignition power, and grounds. Prior to powering up of the module, all in-line fuses of radio equipment shall be removed and secured to their fuse holders.

6.19

ANTENNA MOUNTS AND CABLES

Two NMO universal antenna mounts with KHFUD cables and Larsen HyPer master universal connectors and mini-UHF adapters shall be installed on the module (Section 8.02 related).

Antenna base access shall be through the dome light openings, and the cables shall terminate in Cabinet #14.

6.20

BLOCK HEATER

A block heater, with a toggle-style circuit breaker in 120VAC 4x4 weatherproof power box, shall be wired to the 120VAC shorepower system and shall be circuit protected (Section 1.01.02 related). **An additional 120VAC on/off switch shall be installed in an electrical Junction box behind the driver’s seat.**

6.21X 120VAC/SHORELINE CIRCUIT BOX

Utility power shall be furnished from 120VAC shorepower via a Kussmaul 20-amp Super Auto-Eject amp plug with a yellow cover on a stainless-steel plate with a green indicator light located on the driver's side of vehicle and distributed via a formed aluminum power box recessed into Radio Cabinet #14. 120VAC power box shall have an easily removable cover.

Circuit breakers shall be installed for overcurrent protection and circuit isolation:

- Block Heater (15 A) with On/Off switch in Handy Box behind driver's seat.
- Inverter (20 A)
- Receptacles (15 A)

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

Five interior 120VAC duplex GFCI receptacles shall be mounted:

- One Cabinet #2 (IV Warmer)
- One Action Area (#5)
- One Cabinet #15
- One Driver's Console
- One Behind Driver's Seat - - In Junction Box

6.22 BATTERY GROUNDS

In addition to OEM chassis grounds, the following ground circuits shall be added to reduce RF interference:

- A minimum 4 ga. ground cable from the power component panel to the chassis frame.
- Two braided ground straps from the module body to the chassis frame.

6.23X BATTERY CHARGER

A 60-amp battery charger shall be provided as part of the Samlex 1200 inverter system (Section 6.31 related).

6.24 BATTERY MODIFICATIONS

Chassis batteries shall be utilized in existing locations.

6.25X 12VDC POWER SUPPLY

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

- One Action Area (#5)
- One Cabinet #15

Three additional 12VDC circuits shall be provided, coiled and capped:

- One under console (20 Amp circuit)
- One electrical panel/radio (20 Amp circuit)
- One Cabinet #15 – in closeout on forward wall (20 Amp Circuit)

One Dual USB Charge port shall be installed:

- One Blue Sea with cover in Action Area #5

All 12VDC power point receptacles, USB charge ports, 12VDC charging circuits, electric air compressors, powered cots, and cool cabinets, if present, shall be powered from a 12VDC auxiliary bus. An InPower LVD20-100-SPC540 low voltage disconnect switch shall deliver power to the auxiliary bus only when the supply voltage to the vehicle batteries is at or above 13.0 VDC.

6.26V

COMPARTMENT LIGHTING

LED strip lighting shall be installed in each outside compartment, and shall be activated by the respective compartment door switch.

The Park Override legend button on the forward V-MUX display, shall disable door switch activation of compartment lights.

6.27X

EXTERIOR DOOR SWITCHES

Shall be 1/2" mechanical door switches.

Fully insulated quick connects (size – 18-22gauge), also known as spade connectors, shall be used to connect to the harness to the door switches. **No butt splicing.**

In lieu of exposed cables, all doors with electrical components shall use quick connectors from doorframe to door.

6.30.08V

GRILLE LIGHTS

Two Whelen #WIONSMCR Clear Lens Red Super-LED with chrome housings and two Whelen #WIONSMCB Clear Lens Blue Super-LEDs with chrome housings shall be installed in the center section of the grille guard, using brackets mounted to the uprights. Two Whelen OSR00FCR Red Mini Flashers (Part# 65006) shall be installed horizontally on the outside of the grille guard in the upper portion, flashing outwards. *Grill Lights shall turn off when "Emergency Lights Secondary" is turned on.*



6.30.09

SIREN

A Whelen 295SLSA1, 200-watt siren shall be installed in the driver's console (Section 6.09X related). Standard features shall include Radio Rebroadcast, Public Address, Manual, Wail, Yelp, Air horn, and Piercer tones. The siren's hands-free function shall operate through the OEM horn ring circuit when the sirens rotary selector is in the HF position and the Emergency Master switch is on.

6.30.10

SIREN SPEAKERS

Two Federal Signal DynaMax #ES100C 100-watt speakers with mounting brackets shall be installed behind the bumper.

6.30.11V

SEQUENTIAL SWITCHING SYSTEM

Integrated in V-MUX System.

6.31

INVERTER

A Samlex #EVO1212F-HW 1200 watt pure sine wave inverter with a 60 amp battery charger shall be installed with a perforated surround in Cabinet #14. For ventilation, a filtered vent shall be installed on the forward wall, and a soffit vent on the back wall, in line with the inverter. An EVO-RC inverter remote control panel shall be installed in Action Area #14. The inverter shall be configured to turn on and off with ignition.

6.33

DRIVING LIGHTS

Two Rigid SR-2 10" LED light bars shall be installed on the grille guard, underneath the middle crossbeam to preserve the top of the beam as an access step for the engine compartment. Rigid Lights shall be controlled by the chassis high beams and a switch on the driver's console.

6.35A**FLUID WARMER**

A 120VAC Smithworks fluid warmer shall be provided and installed in Cabinet #2. The warmer shall be thermostatically controlled at 95 to 105 degrees F. Space for ten (10) one-liter bags of fluids shall be provided. 120VAC GFCI duplex receptacle shall be provided to provide power to the IV Warmer.

6.37B**AUXILIARY HEATER**

A Webasto Air top Evo 5500G gas-fired air heater shall be installed in a 24.625" W x 20.25"H x 8.125" D three-part closeout in Compartment #2 to protect the heater, return air, and hot air ducting. Vents for the return and hot air shall be installed below cabinet #6. The heater shall be fueled from the chassis fuel tank. A Webasto Rheostat Heater control shall be installed in the curbside Action Area (Section 2.10 related). The rheostat control shall provide blink codes to allow for end-user diagnostics. The heater shall be wired battery hot with ignition interlock such that turning off the chassis ignition switch causes the heater to shut down through its required cooldown cycle (Section 2.08, 2.10, and 5.17 related).

6.38**MODULE SPEAKERS**

Two module speakers with light gray, powder-coated, punched steel covers shall be installed in the headliner and be connected for use with the cab radio, with a volume control knob in the streetside Action Area.

6.40X**ELECTRIC DOOR LOCKS**

Electric door locks shall be installed on all module passage doors, and Compartment #6. Two lock/unlock switches shall be provided in the module: one located on the rear curbside passage door, and one located on the curbside passage door. The door locks for the cab and module shall be interconnected, to allow all doors to be locked/unlocked from either the cab or module.

One hidden unlock "Hidden Switch" shall be installed behind the chassis grille.

The locks shall be controlled remotely with OEM key fob type controllers.

6.46C**AUDIO/VIDEO/RECORDING****Item #1**

Description: A Zorg wedge-style surface-mounted back-up camera shall be installed.

Location: Above the rear passage doors

Additional Instructions: Camera shall be plugged in at the end of the chassis frame and shall automatically show on the OEM Sync 3 8" in-dash touchscreen display when the vehicle is placed in reverse.

Item #2

Description: A Voyager #VCMS20B patient monitoring camera shall be installed, to display on the V-MUX display on the driver's console.

Location: Camera on the head pad above the rear doors

Additional Instructions: Camera shall display on V-MUX screen when activated by the "ON" button, and be deactivated when another option is selected.

6.48

TRAFFIC SIGNAL PREEMPTION

A GTT #794H Opticom traffic preemption emitter shall be flush-mounted in a GTT #798 bezel mounting kit on the front of the module, below emergency lights.

Opticom and white lights shall turn on when "Emergency Lights Primary" is turned on, and shall turn off when in Park.

6.5

There will be a pre-build meeting (can be remote) and two in person inspections one at the mid point of the build and one for the final inspection. The ambulance dealer/manufacture will pay for up to two members of the fire department and one mechanic from the city of Fairbanks public works department to attend these inspections. The trips will include air fare, hotel, and transportation to and from the build location.

Any numeric that you the bidder uses a different item than listed, or you can't comply with. Please provide that info typed on a sheet labeled "BID SPEC DIFFERENCES". Make sure to reference the numeric listed for that item.

7

SUPPORTING DOCUMENTATION

7.01X

OWNERS MANUAL

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

1. Chassis owner information packet.
2. Second OEM key
3. Lifetime module warranty.
4. Factory warranty on Chassis.
5. 7 Year/75,000-mile limited electrical warranty.
6. 2 Year/30,000-mile Conversion Warranty.
7. 5 Year Paint Warranty.
8. Module remount engineering check list.
9. Climate control information and warranty.
10. Two Main schematic.
11. Electrical Load Test.
12. Wire coding list.
13. Two sets of schematics for standard system: (As Built)
 - Driver switch console
 - Attendant switch console
 - Climate control system
 - Dual battery system
 - Module harness routing
 - Interior and exterior lights
14. Operations manual
15. Two schematics for individual options.
16. Warranty and parts list for light bar, etc.
17. VMUX - V-MUX IO, full relationship reports, binary files for all modules, and node information loaded into nodes.