

Clay County EMS
2018 Type III modular ambulance specifications
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1. Chassis – Ford E450

The chassis must comply with KKK-A-1822F specifications and it is the responsibility of the responding bidder to confirm the vehicle he is bidding meets the requirements of that specification. Should the delivered vehicle not comply with these specifications, it will not be accepted.

2018 Ford E450, dual rear wheel, cutaway chassis with the ambulance prep package, XL series trim, and gray interior color.

158" wheelbase, 14,500# GVWR.

Paint color – Bright White.

6.8 Liter Triton V10 EFI gasoline engine.

Single alternator as provided by Ford – 225 amp.

Air conditioner – heavy duty OEM.

Transmission – automatic with overdrive.

Auxiliary transmission oil cooler.

Axle – front, 5000# capacity.

Axle – rear, 9600#, extra wide, dual wheel.

Back up alarm – with auto reset cut off switch.

Batteries, two heavy duty OEM – 750cca each. (1) battery to be mounted in the engine compartment, and (1) battery to be mounted in a slide out tray in a separate module body compartment below the inside/outside compartment.

Brakes – heavy duty power, front and rear disc.

Cruise control, tilt steering wheel, and power steering.

Am/fm/cd stereo radio with digital clock.

Power windows, and power door locks.

(2) Key fob keyless entry remotes.

Captain's chairs – cloth with inboard arm rests.

(2) LED map lights in the cab – (1) fixed above passenger seat, (1) flex shaft on front console.

Black rubber cab floor mat.

Chrome bumper – front, and chrome grille trim.

Fuel tank – single 55 gallon capacity.

Gauges – fuel, water temperature, oil pressure, and digital voltmeter.

Engine hour meter – included in the chassis gauge package.

Engine block heater – NOT WIRED to the shoreline.

Horns –dual factory installed.

High idle control – provided by Ford.

RV style exterior mirrors – motorized with convex inserts.

Rear mud flaps.

Running boards - polished treadplate with forward vertical splash shields.

Stepwell pads – black molded.

Seat belts – lap, and shoulder for driver and passenger.

Shock absorbers – heavy duty - front and rear.

Spare tire, and wheel – loaded loose.

Stabilizer bars – OEM on front, and rear.

Stainless steel wheel inserts with braided hose valve extenders.

Super engine cooling package with coolant recovery system.

Tires – LT225/75Rx16E all season radial tires (7).

Windshield wipers – interval select.

Does your bid comply?

Yes _____ No _____

2. Driver's compartment

A. ABS door trim with map trays.

B. Pass through cab/module passage having a slide open viewing window.

- C. Cab area recessed into front of module to provide full cab seat travel - recess space of 6" minimum on driver side, and passenger side.

Does your bid comply? Yes _____ No _____

3. Exterior body

- A. All aluminum module body – minimum of 174" length.
- B. Mig and tig welded aluminum construction.
- C. Exterior body seams to be full length welded, and finished.
- D. Remountable.
- E. A complete six-sided safety support structure formed by the roof, floor, and side frameworks. All extruded tubing framework members must be 6061T6 high strength alloy.
- F. Entire body shall be void of any overlap seams, unlevel weld seams, or side body trim rails.
- G. Cast aluminum, recessed fuel fill to be provided on the driver side.

Does your bid comply? Yes _____ No _____

4. Roof construction

- A. A one piece aluminum skin of .125" thickness, and full seam welded to the perimeter extrusions. This weld must be a smooth, and level seam.
- B. Roof support structure members of 2" x 2" x .125" tubing on 12" centers, plus (8) supplemental 2" x 1" extrusions to create strength for a crowned roof support structure.
- C. Interior headroom height to be 74".
- D. The patient compartment headliner to be surfaced with padded, White vinyl.
- E. Roof of the module to be fully insulated with (2) layers of hollow air cell insulation plus (1) layer of block foam insulation.

Does your bid comply? Yes _____ No _____

5. Side, front, and rear wall construction

- A. Side skins of .125" thickness with seams completely welded and finished.
- B. Side wall support frame members of 2" x 2" extruded tubing having a .125" wall thickness.
- C. Vertical corner extrusions to have a minimum .250" thickness outside corner surface wall thickness, and must be a fully boxed structure design for increased strength.
- D. Side wall skins to be welded, and bonded to the frame members. Side wall members to be located on 12" centers.
- E. The sides, front and rear wall of the module to be insulated with (2) layers of hollow air cell insulation plus (1) layer of block foam insulation.

Does your bid comply? Yes _____ No _____

6. Floor construction

- A. Under body frame members of 2" x 2" x .250" wall thickness, 2" x 2" x .125" wall thickness extrusion tubing, and 3/4" x 5" solid aluminum body mount platform plates.
- B. One piece aluminum outer subfloor of .090" thickness.
- C. An exterior grade plywood subfloor.
- D. A commercial Lonseal anti skid floor covering that is extended up the left and right walls 3". The flooring shall be Lonseal Moonstone. Color to be selected at time of order.

- E. A double rubber cushion module body mounting system with a minimum of (10) high strength grade 8 bolts utilizing the chassis manufacturer mount locations.
- F. Full width stainless steel rear entry door, and side entry door threshold moldings.
- G. The side door step well to be constructed of polished treadplate that is full seam welded, and shall be illuminated by an LED step well light. The exterior of this side door step well must be covered with a layer of sound/thermal insulation, and then enclosed with an additional aluminum cover.
- H. Double thickness wheelwell/wheelwell inner liner design.
- I. Inner wheelwell liner to be have sound insulation mat on the top side.
- J. Heat shields mounted above the chassis exhaust system.
- K. A layer of sound deadening mat shall be installed between the aluminum subfloor, and the plywood subfloor.
- L. Full undercoating per QVM certification guidelines.

Does your bid comply? Yes _____ No _____

7. Door construction

- A. 2½” minimum thickness, double break, pan formed/extrusion aluminum with internal cross braces.
- B. Door skins of minimum .125” thickness.
- C. Exterior compartment doors to have polished treadplate inner panels that are easily removed for service.
- D. The entry doors to have color coordinated, laminate finish upper inner panels, and lower inner panels of polished aluminum treadplate.
- E. Every door shall be equipped with (2) dual cam rotary safety latches.
- F. All doors must have latch activation via adjustable stainless steel pull rods.
- G. The doors must latch onto high strength, adjustable Nader type door bolts having hex heads.
- H. All entry doors shall be provided with a dark tinted window. The window in the side entry door shall be a slide open style having a screen in the open section. The windows in the rear entry doors shall be fixed windows.
- I. Fully insulated module doors – all module doors must be insulated with (1) layer of hollow air cell insulation plus (1) layer of block foam insulation.
- J. The module doors shall be equipped with stainless steel piano hinges having .125” hinge pins.
- K. All module door handles to be locking chrome finish, cast metal, lever style, and keyed alike.
- L. The module body entry doors and the inside/outside access compartment shall be provided with power door locks. The module power door lock system shall be wired to the chassis power door locks. One exterior unlock switch for the power door lock shall be provided in the rear license plate housing. The chassis shall have (2) wireless key fobs for the power door locks.
- M. The door locks must utilize a dual edge cut style key that will function when inserted in either vertical position. All module doors must be keyed alike.
- N. All of the module door weather strip to be formed extrusion design that are mounted to the door flange, and outboard of the door latches.
- O. The bottom surface of all lower module door openings must be protected with stainless steel scuff plates on both levels of the dual level door threshold.
- P. Each door opening must be provided with a corrosion resistant magnetic switch to activate the open door warning system, and the compartment dome light circuits.
- Q. The rear doors shall be provided Cast Products “grabber” style door hold opens having rubber replacement inserts. All other swing open doors (except the small battery door) shall have gas charged hold opens.

Does your bid comply? Yes _____ No _____

8. Rear bumper/step

- A. Outside bumper covers shall be polished aluminum treadplate.
- B. The rear bumper end caps shall be provided with 18" wide x 4" tall rubber dock bumpers.
- C. The rear step frame must be bolted to the chassis frame in lieu of welding for ease of replacement.
- D. A flip up center section of non-skid, grip strut.
- E. Assembly in sections for ease of repair.
- F. A cast aluminum license plate housing shall be mounted in the center of the rear kick plate, below the rear doors, and shall be illuminated by (2) LED lights.

Does your bid comply? Yes _____ No _____

9. Body protection shields

- A. Polished treadplate stone shields shall be mounted on each lower corner of the module body.
- B. A full width polished aluminum treadplate kick plate must be provided on the module rear below the entry door opening, and extending downward to the lower edge of the module body. This kick plate must wrap around the lower rear module corner to provide a stone shield function.
- C. Bright polished stainless steel module body fenderettes.
- D. Rear mud flaps located behind each dual wheel set.
- E. Lower body rub rails of 3" wide, thick wall, heavy duty "C" channel extrusion mounted to the lower body side to extend beyond the body side by a minimum of 1¼".

Does your bid comply? Yes _____ No _____

10. Ambulance lettering and paint

- A. Special ambulance service lettering shall be provided as follows;
 - (2) "CLAY COUNTY EMS" 6" letters – non-reflective letters having 1/4" reflective black outline on sides.
 - (2) "ADVANCED LIFE SUPPORT" 4"- non-reflective letters having 1/4" reflective black outline on sides. Centered under CLAY COUNTY EMS
 - (1) "CLAY COUNTY EMS" 3" letters – non-reflective letters having 1/4" reflective black outline on rear.
 - (4) "CY##" Unit identification numbers – 4" numerals – non-reflective numerals having a 1/4" Reflective black outline.
- B. A Partial Star of Life decal package shall be provided to include: (1) Blue 32" Star of Life decal on the roof.
- C. Paint system to be provided with a 5-year/100,000 mile warranty.
- D. The cab, and module body must be painted White.
- E. The paint stripe/graphics scheme shall incorporate a single Blue beltline paint stripe and a large 68" reflective "American Flag" Star of Life wrapped around each rear body corner. The Beltline stripe shall be outlined with ½" wide reflective pinstripes. Clear-View Star-of-Life (see out, not in) shall be placed on rear windows.

Does your bid comply? Yes _____ No _____

11. Scene lights and vehicle lighting

- A. (2) Whelen 900 series LED side scene lights per side, each having an internal downward angle reflector.
- B. The curb side scene lights shall be activated by the opened side entry door. The rearmost side scene light on each side shall be activated with the ambulance in reverse.

- C. (2) Whelen 900 series LED rear load lights shall be provided on the upper module rear. Each light shall have an internal downward angle reflector. These lights must be activated in reverse and with opened rear entry doors.
- D. Delete the hand held spotlight from the cab.
- E. (2) Streamlite Survivor rechargeable lights shall be provided and located on the top of the supplemental floor console in the cab.
- F. Front and rear directional signals, hazard warning lights, rearward side marker lights, and back up lights. The rearward side marker lights shall flash with the turn signals. These side body marker lights, and the side body turn indicator lights shall be LED style.
- G. Whelen 600 series LED stop/tail, LED turn lights, and LED back up lights having chrome bezels shall be provided on the module rear. These lights shall be vertical mounted on the module body rear.
- H. Upper body clearance/marker lights shall be provided on the module upper body front, sides, and rear. (5) lights to be located on the body front, (5) lights shall be located on the body rear, and (2) lights to be located on each side. The forward lights shall be Amber, and the rearward lights shall be Red. These must be LED style.

Does your bid comply? Yes _____ No _____

12. Exterior warning lights

- A. (7) Whelen 900 series LED warning lights shall be provided on the upper module front. The light lenses shall be clear, (6) lights shall be Red/Blue, and (1) light shall be clear.
- B. (4) Whelen 900 series LED warning lights shall be located at the upper corners of the module sides. The light lenses shall be clear, and the lights shall be Red/Blue.
- C. (5) Whelen 900 series LED lights shall be provided on the module rear. (3) of these lights shall be located on the upper rear, and (2) lights shall be located at rear door window level. The light lenses shall be clear, (2) lights shall be Red/Blue, (2) lights shall be Red/Amber, and (1) light shall be Amber.
- D. (2) Whelen 700 series LED warning lights, each having a cast aluminum, forward angle housing shall be located (1) per front fender as intersection lights. The light lenses shall be clear, and the lights shall be White/Red.
- E. (2) Whelen 500 series LED warning lights, each having a chrome flange shall be located on the chassis front grille. The light lenses shall be clear, and the lights shall be (1) Red & (1) Blue.
- F. All of the body mounted warning lights, and scene/load lights must have chrome finish flanges.
- G. The body warning lights shall be controlled by flashers utilizing a primary/secondary flash pattern.
- H. A sequencer with load manager function shall be provided for the warning light systems to reduce alternator stress. This system must sequence both activation, and deactivation of the warning lights.
- I. (2) Rear warning lights shall be wired to a brake override function.

Does your bid comply? Yes _____ No _____

13. Audible emergency warning equipment

- A. (1) Carson #SA400 multiple tone siren system shall be provided. The siren to have multiple tones, simulated air horn, and PA modes.
- B. (2) Cast Products siren speakers must be provided, and one mounted in each bumper end. Each speaker must have 100 watt capacity.
- C. A siren/horn switch shall be provided to place control of the siren functions on to the chassis horn switch.
- D. A Buell air horn system is to be provided. This system must have an electric air compressor, an

air reserve tank and (2) bumper mounted trumpets. The air horns are to be activated by a momentary style switch in the front console when the master emergency switch is in the on position.

Does your bid comply? Yes _____ No _____

14. Electrical power system

- A. The battery system shall be activated by an ignition controlled relay system. This system must include a shut down timer to keep the battery system connected to the ambulance conversion for (5) minutes after the ignition is turned off. Current chassis standards will not allow disconnect of the chassis from the battery system. This system shall automatically connect, and disconnect the batteries from the ambulance conversion with the ignition switch.
- B. High temperature GXL and SXL wiring encased in high temperature protective convoluted loom.
- C. Wiring must be full color-coded, word legend coded, and number coded every 6”.
- D. The electrical system shall have a 7 year/100,000 mile warranty, and a copy must be submitted with the bid proposal.
- E. All added module equipment shall have ground wiring routed to a chassis ground attachment point. Grounding to the module body at the device location is not acceptable.
- F. The ambulance conversion electrical system shall be Weldon V-MUX 100% solid-state microprocessor based multiplex system will be installed to control the electrical functions. The system will provide diagnostics lap top plug in capability.
- G. (1) Digital voltmeter shall be located on the front control console.
- H. (1) 20 amp minimum auto eject shoreline system shall be provided. A shoreline pigtail cord must be provided to connect the shoreline inlet to a standard straight prong plug.
- I. (1) LED light shall be provided on the module exterior next to the shoreline inlet to indicate activation of the shoreline system when a shoreline cord is plugged in.

Does your bid comply? Yes _____ No _____

15. Electrical control panel

- A. The electrical distribution panel must be located in the upper action area behind a hinged rear switch panel.
- B. The front console shall contain fifteen (15) PODS buttons with an OLED, text display
- C. The rear panel shall contain twelve (12) PODS buttons

Does your bid comply? Yes _____ No _____

16. Patient compartment electrical

- A. (8) Whelen LED high capacity, dual light level dome lights.
- B. A dial style 15-minute timer must be provided for one bank of the LED interior dome lights. This “check out” timer is to be located on the interior wall next the side entry door.
- C. (1) Vanner #1050CUL inverter shall be provided. This inverter shall have an integral vehicle battery charger wired to the shoreline system. The inverter shall be mounted in an interior bulkhead cabinet, beside the cab/module walk through.
- D. (5) 110vac duplex interior outlets shall be provided. These outlets shall be GFI protected. The outlets shall be powered by the shoreline or by the inverter – (1) outlet to be located in the cab, (1) outlet to be located in the action area, (1) outlet to be located in the ALS cabinet, (1) outlet to be located in the open monitor area rearward of the CPR seat, and (1) outlet located forward of the curb side back rest cushion.
- E. The 110vac interior outlets must have internal indicator lights to display energized status.
- F. Access panels must be provided for the center headliner wiring race.

- G. (3) 12 vdc outlets are required - (1) in the primary action area, (1) in the open monitor area rearward of the CPR seat and (1) in the ALS cabinet. Furthermore, two USB outlets shall be installed in the ambulance (1 front, 1 rear).
- H. All patient compartment controls must be located in the action area control panel.
- I. The high/low intensity mode of the right, and left row of dome lights controlled by separate switches.
- J. The high intensity level of (1) bank of LED dome lights to be activated by opened module entry doors. These same lights must be able to be activated by a front console switch.
- K. A light shall be provided in the step well of the curb side entry door. This light shall be an LED light, and activated by the opened side door.
- L. (1) Battery powered clock shall be provided on the head pad above the rear entry doors.
- M. (1) 4" LED light shall be provided in the action area.
- N. (3) Antenna coax prewires shall be provided - (2) prewires shall start from the module roof, and shall terminate behind the front control console, (1) prewire shall start from the module roof, and shall terminate in the rear action area. Each coax prewire must have power wiring with circuit breaker and ground wiring at the termination point. Each coax prewire must be provided with an antenna base installed in the module roof.
- O. Two radio speakers shall be installed in the ceiling of the patient area. A volume control mechanism is to be placed on the wall at action area. These speakers are for radio listening.
- P. A Color Reverse Camera with screen visible from the cab area are required.
- Q. (2) 800 Mhz radios with supplemental operational accessories shall be provided with the ambulance. These radio systems are to be purchased from and installed by the following listed supplier.

Homman Electronics
 200 N. Pine
 Soloman, Kansas 67480
 Phone: (785) 655-9471

Does your bid comply? Yes _____ No _____

17. Driver's console

- A. An engine cowl mounted combination front control console/radio mounting console with upward angled switch panel face, and (2) cup holders shall be provided.
- B. Modular design with rounded edges for safety.
- C. The switches shall be push button style with universal symbol labels and "on" indication. Only the switch labels shall be illuminated to reduce night glare.
- D. Switches in the front console shall be provided for the following function; master disconnect, master emergency sequencer, primary/secondary, front warning lights, air horn, back up alarm cut off, left flood, rear flood, right flood, rear dome.
- E. (2) "Open door" warning indicator lights shall be provided. These lights shall indicate opened entry doors, and opened compartment doors. This indicator system must also be supplemented by an audible alert tone to be activated with opened module body door(s) when the vehicle emergency brake is released.
- F. The back up alarm shall be an automatic reset style with a momentary style cut off switch.
- G. A supplemental floor mounted storage console shall be provided between the cab seats. This console must have (3) moveable plexiglass dividers to allow for storage of map books and glove storage. Space must be provided on the top of this supplemental console for the mounting of the (2) Survivor hand held lights.

Does your bid comply? Yes _____ No _____

18. Action wall
- A. Vertical laminate panel to match interior walls.
 - B. Fiberglass counter top with retainer lip.
 - C. A technician control panel with all patient compartment controls. Rearward angle mounted for improved technician visibility, and access.
 - D. The rear switch panel shall be mounted on a hinged, swing down door to provide access to the electrical power distribution panel located behind this panel.
 - E. Backlit, universal graphic legend labels. Only the labels are illuminated for improved visibility.
 - F. A dial style thermostat, a master on/off switch, and a three speed fan control switch for the HVAC system.
 - G. Dome light mode switches for high/off/low for each row of lights.
 - H. A switch to activate a separate oxygen compartment regulator light.
 - I. Electric exhaust vent control.
 - J. A SSCOR suction system having an electric pump and disposable canister.
 - K. (2) Oxygen outlets – Ohmeda compatible.
 - L. (1) 110vac duplex outlet.
 - M. (1) 12 vdc outlet – cigar style.
 - N. (1) LED action area light.
 - O. A three light patient status indicator system with alert tone.

Does your bid comply? Yes _____ No _____

19. Environmental equipment
- A. A high capacity combination heater/air conditioner unit shall be provided. This unit to be located in a cabinet beside the walk-thru at floor level. The return air opening for this cabinet shall be located on the cabinet door, and shall be fitted with an air filter.
 - B. A dial style thermostat, a master on/off switch, and a three speed fan control switch for the HVAC system.
 - C. All air conditioner, and heater controls must be located in the action area.
 - D. The HVAC system must be ducted to (4) adjustable outlets located in the upper front bulkhead.
 - E. An electric exhaust vent shall be provided, and located at the upper, rearward street side wall.

Does your bid comply? Yes _____ No _____

20. Patient compartment medical
- A. (1) Ohmeda compatible oxygen outlets shall be located in the action area, (1) oxygen outlet located on the curb side wall at the head end of the squad bench, and (1) additional oxygen outlet located in the ceiling above the primary patient but positioned further forward.
 - B. (1) 50 p.s.i. reducer regulator for the oxygen system.
 - C. (1) Constant flow selector style flowmeter with an outlet adapter shall be provided.
 - D. A strap style mounting bracket for "M" size cylinder shall be provided in the street side forward exterior compartment.
 - E. (1) Oxygen regulator wrench must be tethered in the oxygen bottle storage area.
 - F. (2) Portable oxygen bottle brackets shall be mounted in a recessed area at the head of the squad bench and accessible from the side entry door.
 - G. (1) SSCOR suction system having a 1200cc canister, and an electric vacuum pump.
 - H. (2) Cast Products dual bottle, recessed, fold down ceiling IV holders to be provided – (1) above each patient position.
 - I. A Stryker Power Load cot mount system must be installed in the ambulance.
 - J. A Stryker Power Pro XT Cot with XPS package & accessories shall be included in the proposal.
 - K. A recessed cabinet for (3) glove boxes shall be provided in the lower rearward street side wall.

This cabinet must have a swing open plexiglass door having glove access slots.

- L. (3) Glove box holders shall be provided above the side entry door. Each of these glove box holders shall be covered by a plexiglass door having a glove access slot.

Does your bid comply?

Yes _____ No _____

21. Patient compartment cabinetry

A. The interior cabinet layout to include as listed below;

- 1) (1) Two section cabinet above the full length of the action area having slide open plexiglass doors in the full depth forward section and the rearward section is to be "safety angled" to meet the depth of the cabinet above the CPR seat. This rearward section is to have a swing open plexiglass door. Both sections of this cabinet are to have (1) adjustable shelf.
- 2) A recess cabinet for (1) waste container located in the street side wall immediately below the action area. This cabinet must have a half height door to provide disposal access to the container and removal access for the container.
- 3) A widened CPR seat shall be provided. This widened CPR seat area shall be 36" wide (between the protective hip pads) and must have a fixed backrest. The seating position shall have 2-point seat belt system.
- 4) (1) Two section cabinet located above the CPR seat with each section having a swing up plexiglass door.
- 5) (1) Two section upper rearward cabinet having slide open plexiglass doors in the full depth rearward section and the forward section is to be "safety angled" to meet the depth of the cabinet above the CPR seat. This forward section is to have a swing open plexiglass door. Both sections of this cabinet are to have (1) adjustable shelf.
- 6) A monitor area space to the rear of the CPR seat to be approximately 24" in height – reduced width with widened CPR seat. (1) Equipment strap shall be provided in the monitor area.
- 7) (1) Lower rearward cabinet having slide open plexiglass doors and (1) adjustable shelf located immediately rearward of the monitor area.
- 8) A large interior/exterior ALS cabinet having (2) plexiglass insert doors, and (3) adjustable shelves shall be provided at the curb side front bulkhead. This cabinet must have (4) LED interior lights.
- 9) (1) Storage cabinet having a swing up door shall be provided above the ALS cabinet. This cabinet must have (1) adjustable shelf.
- 10) (1) Storage cabinet located in the upper front bulkhead, above the walk thru. This cabinet shall have slide open plexiglass doors and (1) adjustable shelf.
- 11) (2) Front bulkhead cabinets shall be provided on the driver side of the pass thru area. The lower cabinet shall be for the HVAC system, and the upper cabinet shall provide storage for the inverter, and equipment. Each of the cabinets to have a swing open door having a slam style stainless steel latch.
- 12) (1) Engel #MHD13F-DM portable electric fridge/warmer shall be provided and mounted on a transit slide lock bracket secured to the floor below the cab/module pass thru. This portable fridge/warmer must be provided with a constant 12v power wire having adequate in line circuit protection and a ground wire.
- 13) (1) Two-section cabinet above the length of the squad bench having a swing up plexiglass door for each of the two sections. This two-section cabinet shall have 9¼" interior height and shall be 9" deep.
- 14) A locking door cabinet shall be provided at the forward end of the squad bench. This cabinet shall be approximately 18" high x 16" wide x 20" deep (as viewed from the cot toward the curb side wall). The locking door for this cabinet shall open toward the bench and swing downward. This door must have a push button lock. A 1 qt. size sharps

container shall be provided on a tilt out door located in the forward end of the squad bench and extending upward into the bottom section of the cabinet above. Also at the head end of the squad bench shall be a recessed area for two portable oxygen bottles.

- 15) A squad bench shall be provided on the curb side of the patient compartment measuring approximately 75" length. The height of the squad bench shall be lowered to provide the the 9¼" interior height of the upper curb side cabinet and providing the required 43" distance between the bottom of this cabinet and the squad bench cushion. The aisle side of the squad bench base shall be constructed of heavy duty stainless steel for strength and ruggedness. The lid shall be split into two sections. Each lid will have a gas strut hold open device, and a paddle style handle latch.

The interior shall be lined with White laminate. The squad bench cushions shall be seamless and the squad bench lid shall not have any post or wheel cups.

- B. Interior cabinet shelves to be mounted on mini "C" track adjusters for infinite positioning.
- C. Main cabinet construction to be of multiple layer, ¾" thickness cabinet grade plywood with all surfaces covered with plastic laminate. Cabinet construction must include screw and staple assembly.
- D. Interior laminate surface color to be selected from available designs at time of order. Cabinet interiors to be surfaced with White laminate.
- E. Plexiglass cabinet doors shall be ¼" thickness, smoke tinted, and set in felt lined perimeter extrusions. The plexiglass sliding doors shall have full height aluminum extrusion handles.
- F. All hinged solid doors shall be provided with a positive, stainless steel mini "D" style slam style latch.
- G. The interior cabinet shelves shall have front edge lips to retain equipment.
- H. The counter tops for the primary, and monitor areas shall be molded fiberglass, and the color shall be selected at time of order.
- I. The street side wall from the bottom of the CPR seat downward to the flooring roll up, and the aisle side of the squad bench shall be commercial grade stainless steel.
- J. The sliding plexiglass door frames for the cabinet above the action area, the upper rearward cabinet, the center rearward cabinet (immediately rearward of the monitor area) and the upper front bulkhead cabinet shall be a swing up "speed load" style having gas charged hold opens.

Does your bid comply? Yes _____ No _____

22. Technician's seat

- A. A high back captains seat having an incorporated child safety seat, a 3-point seat belt and mounted on a swivel base. This seat to have front-to-rear adjustment, and have seamless upholstery.
- B. The technician seat must be certified for motor vehicle safety standards, and KKK-A-1822F mounting specifications.

Does your bid comply? Yes _____ No _____

23. Squad bench

- A. A two-section squad bench lid with seamless, padded vinyl cushions.
- B. Equipment storage under the swing up squad bench lids.
- C. Stainless steel paddle style latch for both squad bench lids.
- D. The squad bench lids shall be equipped with gas charged hold opens.
- E. Padded vinyl covered backrest on the wall above the squad bench.
- F. Automotive style retractable seat belts for (3) seated positions, or (1) prone position. The seat belts must be bolted to structural framework members.
- G. The squad bench lids shall be void of any post and wheel cups.

Does your bid comply? Yes _____ No _____

24. Safety features

- A. Padded vinyl covered head knocker pads above all entry door interiors, on the surface of the upper front bulkhead cabinets, and on the bottom of the upper curb side cabinet.
- B. All upper cabinet vertical corners to be rounded with a minimum 1" radius.
- C. (1) 85" overhead grab rail shall be provided above the primary cot. This grab rail shall be 1½" diameter stainless steel having an anti-bacterial coating.
- D. (1) 85" overhead grab rail shall be provided above the secondary cot. This grab rail shall be 1½" diameter stainless steel having an anti-bacterial coating.
- E. (1) Large stainless steel "V" handle on the inner panel of each patient compartment entry door. These handles to be 1½" diameter and have an anti-bacterial coating.
- F. Audible back up warning alarm with an automatic reset switch in the front console. This alarm to have 97db.
- G. The interior upholstery cushions shall be seamless, vacuum formed style.

Does your bid comply? Yes _____ No _____

25. Hazardous waste management system

- A. (1) 1 qt. sharps container shall be mounted on a tilt out door below the monitor area rearward of the CPR seat. (1) Additional 1 qt. sharps container shall be mounted on a tilt out door in the forward end of the squad bench.
- B. (1) Waste container shall be located in a recess cabinet below the primary action area. This recess cabinet is to have a half height door to allow for container removal. (1) Additional waste container having a wire basket style mount must be provided with the mounting location to be determined at an order detail meeting. Each of these waste containers must be minimum one gallon size.

Does your bid comply? Yes _____ No _____

26. Exterior compartments

- A. The exterior compartment layout to include as listed below;
 - 1) (1) Large, full height vertical compartment at the forward street side of the module body. This compartment shall provide storage for the large oxygen bottle, and have (1) full width fixed shelf above the large oxygen bottle and 57" from the bottom of the compartment. This compartment must have a minimum opening of 18" wide, and 82" high.
 - 2) A dual door storage compartment at the center street side forward of the wheel. This compartment must have a minimum opening of 44" wide, and 36" high.
 - 3) A single door storage compartment at the street side rearward of the wheel well. This compartment must have a minimum opening of 32" wide, and 42" high. The door of this compartment must have a mounting bracket and (1) equipment strap for a Stryker stair chair.
 - 4) A dual door storage compartment at the curb side between the wheel well, and the rear corner of the body. This compartment shall have a minimum opening of 38" wide, and 18" high.
 - 5) An inside/outside ALS compartment at the forward curb side. This compartment must have a minimum opening of 18" wide x 46" high.
 - 6) A battery storage compartment below the ALS compartment at the forward curb side having a slide out tray for (1) battery.
 - 7) A full height backboard compartment shall be provided at the forward curb side of the

body. (1) Fixed shelf and (1) fixed vertical divider shall be provided in this compartment. This compartment must have a minimum opening of 12" wide x 82" high and shall be provided with (2) equipment straps.

- B. Exterior compartments to be constructed of polished aluminum treadplate. The compartment floors to be sweep out style. The compartments must have recessed LED dome lights, and must be vented to the interior of the body above the module floor line.
- C. The dual door street side center, and curb side rearward compartments to have (1) exterior handle, and an easy reach extender on the interior handle.
- D. (1) Adjustable shelf shall be provided in the street side center compartment, and is to be Mounted on "C" track adjustors for infinite positioning.
- E. (1) Fixed 1/2 depth shelf in the street side rear compartment
- F. The exterior compartment shelves must have retainer lips on all four sides.
- G. Dri Dek mats shall be provided on the floor of each module body storage compartment.
- H. Bright metal drip rails shall be provided above all of the exterior compartment doors, and above the entry doors.

Does your bid comply? Yes _____ No _____

27. Special features

- A. A fixed approximate 16" x 32" size dry erase board shall be provided on the curb side wall above the squad bench.
- B. (2) Engraved "no smoking oxygen equipped/fasten seat belts" placards shall be provided – (1) in the cab and (1) in the primary action area.
- C. The delivered ambulance must have a complete owner/operations manual.
- D. A set of "specific" electrical schematics shall be provided for this ambulance.
- E. A Mid-build and a Final inspection of the ambulance at the manufacturer plant is to be provided for (2) agency staff members with the motel and meal expenses to be paid by the supplier.

Does your bid comply? Yes _____ No _____