



Bid Specification

Signature Series I F-350 4x2 Braun Bid Spec 2020-05-06 15-41-49

Reference: QUO0000001007 Rev: 0
Purchaser: Braun
Contact: Business Unit Test Contact
Address:

Opportunity: HGAC AM10-20
Account: HGAC Buy
Quote Owner: Terri Suever
Shipping Address:

Telephone:

Currency: USD
Quotation Date: 2020-05-06
Expiration: 2020-06-05

Name	Specifications
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Signature Series I



KKK Change Notice

Item Number	Name	
00-01-0001	GENERAL CONDITIONS	Y___N___
00-01-0019	<p>BIDDER KKK-A-1822F CHANGE NOTICE 9 COMPLIANT Bidder shall be KKK-A-1822F Change Notice 9 compliant to meet SAE J3043 - Ambulance Equipment Mounts; Interior Stowage Accommodations; Equipment Mounting Devices: Installed Oxygen cylinder, cardiac monitor, and fire extinguisher mounting devices shall meet the performance requirements of SAE J3043.</p>	Y___N___
00-01-0020	<p>BIDDER KKK-A-1822F CHANGE NOTICE 10 COMPLIANT Bidder shall be: KKK-A_1822F Change Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity; SAE J3057- Ambulance Modular Body Evaluation-Quasi-Static Loading for Type I and Type III Modular Ambulance Bodies; SAE J3102- Ambulance Patient Compartment Structural Integrity Test to Support SAE J3027 Compliant Litter Systems; SAE J3043 - Ambulance Equipment Mounts, Interior Stowage Accommodations, Equipment Mounting Devices; Installed suction mounting; to conform to all applicable requirements.</p>	Y___N___
00-01-0022	<p>BIDDER KKK-A-1822F CHANGE NOTICE 11 COMPLIANT Bidder cab console to meet SAE J3043; Ambulance Equipment Mount Device or Systems, to be KKK-A-1822F Change Notice 11 compliant and shall be labeled with its weight capacity.</p>	Y___N___
00-01-0023	<p>BIDDER KKK-A-1822F CHANGE NOTICE 12 COMPLIANT Revision to the existing standards include Temperature Conditions; Engine High-Idle Speed Control; Ambulance Emergency Lighting; Photometric, Chromaticity, and Physical Requirements; Tests, Warning Light System;</p>	Y___N___



Flood and Loading Light (Exterior); Bumpers and Steps; Doors; Equipment Mounting Devices; Oxygen Main Supply and Installation; Ventilation Criteria; Siren – Public Address System; and Test Criteria.

00-01-0029 NO STS, HGAC, FSA, SOURCEWELL OR GPO CONTRACT REQUIRED Y___N___

80-10-0000 KKK-A-1822F COMPLIANCE PACKAGE Y___N___
 A KKK-A-1822F compliance sticker, electrical load analysis sticker, and payload sticker shall be installed in the oxygen compartment. Any deviations from KKK-A-1822F shall be listed in the vehicle delivery packet with a notation on the-compliance sticker.

00-01-0018 BIDDER KKK-A-1822F CHANGE NOTICE 8 COMPLIANT Y___N___
 Bidder shall be KKK-A-1822F Change Notice 8 compliant to meet SAE J3026 - Ambulance Patient Compartment Seating Integrity and Occupant Restraint Standards, and SAE J3027 - Ambulance Litter Integrity, Retention, and Patient Restraint Standards.

Chassis

Item Number	Name	
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00-01-0006	DYNAMIC SIDE IMPACT & ROLLOVER TESTS Bidder shall perform Dynamic Side Impact & Rollover Tests with same module that was involved in side impact crash test. This module must be the same brand, make, and model for both tests. Video documentation to be provided to the Purchaser upon request. Crash test shall be performed within a controlled and repeatable environment, validated by a third party testing facility.	Y___N___
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01-01-0206	TYPE I - AMBULANCE - SIGNATURE SERIES - 68 INCH INTERIOR HEADROOM SPECIFICATION INTENT: Type I, 150-inch module, constructed with not less than 68.0-inches interior module height, an overall length of 288-inches, an overall width of 95.00-inches, and an overall height not to exceed 105-inches.	Y___N___
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15-00-0010	FUEL TANK - FULL UPON FACTORY RELEASE The chassis fuel tank of the completed unit shall be full at time of release from the ambulance manufacturer's facility.	Y___N___
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19F2350S	CHASSIS FORD F350 169" WB 4X2 DRW (84 C.A.) DIESEL ENGINE F3G 2020 FORD F350 CHASSIS CAB, 169" WB 4X2 DRW (84" C.A.)	Y___N___
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MECHANICAL

- Axle -Twin-I-beam front axle w/coil spring suspension
- Battery - Batteries Dual 750 CCA
- Brakes – Four-wheel Disc Brakes; Anti-lock Brake System (ABS)
- Emission 50-State Emissions System
- Engine — 6.7L 4V OHV POWER STROKE V8 TURBO DIESEL B20 (*99T*)



- Engine block heater (*41H*)
- Operator Command Regeneration (*98R*)
- Rear-axle Wide Track 4.10 Limited-slip w/DRW (*X4W*)
- Tires - LT245/75Rx17E BSW A/S (*TD8*)
- Transmission – TorqShift® Ten-Speed automatic w/Selectable Drive Modes (*44G*)

FUNCTIONAL

- Alternator: 397 amp (*67B*)
- Ambulance Prep Package (*47L*)
- Hood release
- Horn - dual electric
- Intelligent Oil-Life Monitor
- Shock absorbers - heavy -duty gas
- Sirius XM® Radio (Note: Includes a 6-month prepaid subscription. Service is not available in Alaska or Hawaii)
- Spare Tire, Wheel and Jack (Excludes carrier; includes Hydraulic Jack (*512* *61J*))
- Springs, rear auxiliary
- Stabilizer bars – front rear
- Trailer Brake Controller
- Transmission Power Take-Off Provision (62R)

EXTERIOR

- Bumper – front, chrome
- CAL SER VEH EXP (*936*)
- Color - Oxford White (*Z1*)
- Fender vents – front
- Front License Plate Bracket
- Fuel Tank — 40 gallon aft axle
- Glass – privacy
- Grille – two (2) bar, bright chrome
- Preferred Equipment Package XLT Trim (*643A*)
- Scuff plates – front, color-coordinated
- "Three Blink" Lane change signal
- Tow hooks – front (2)
- Trailer wiring – 7 wire harness w/relays, blunt cut labeled
- Wheels – 17" Argent Painted Steel
- Windshield Wipers – intermittent

INTERIOR/COMFORT/CONVENIENCE

- 4.2" LCD Productivity Screen in IP Cluster w/Compass display
- 12V Power point, auxiliary



- Adjustable Gas / Brake Pedal (62M)
- Air conditioning – single-zone, manual
- Air conditioning vents – black w/chrome ring and knob
- Auxiliary audio input jack
- Cabin Air Particulate Filter
- Carpet Delete (*166*)
- Coat hooks, LH/RH color-coordinated
- Dash top tray
- Daytime Running Lamps (DRL) (*942*)
- Dome lamp – LH/RH door activated I/P switch operated w/delay
- Door locks w/ backlit switches
- Door-trim – soft armrest, grab handle, power window/lock switches and reflector; front map pockets
- Gauges Meters - Fuel , Transmission temperature, Engine coolant temperature, Oil pressure (gas engine), and Turbo (diesel engine) gauges, Speedometer, Odometer, and Tachometer
- Handles, grab – driver front-passenger Handles, roof ride – front-passenger (also over rear-doors on Crew Cab)
- Headrests - driver and passenger 4 way adjustable
- Map lights – dual (front and rear w/Crew Cab)
- Mirror – rearview 11.5" day/night
- Outside Temperature Display
- Power Equipment Group – 1ST row (front-seat) windows w/one-touch up/down, power 2ND row (rear-seat) windows (Super/Crew Cab); power/door-locks w/backlit switches accessory delay
- Seat –Front, high-series cloth 40/20/40 medium earth grey (*3S*) split bench - 20% center under-seat storage, – w/center armrest, cupholder and storage (manual lumbar – driver’s side) — Four-way adjustable driver/passenger headrests
- Steering – power
- Steering wheel – Black urethane with tilt and telescoping steering wheel/column; includes three (3) button message control
- Sun visors – color-coordinated cloth, driver w/pocket, both driver and passenger w/covered mirrors
- Upfitter switches – 6 located in Overhead Console
- Power windows w/backlit switches



SAFETY/SECURITY

- AdvanceTrac® with RSC® (Roll Stability Control™)
- AutoLamp – Auto On/Off Headlamps with Rain lamp Wiper activated Headlamps
- Belt-Minder® (front safety belt reminder)
- Driver and passenger frontal and side airbag/curtain; passenger side deactivation switch
- Headlamps – Quad beam jewel effect halogen
- Lamps – Roof marker/clearance – LED
- Mirrors – manually telescoping (*54K*) /folding trailer tow with power/heated glass, heated convex spotter mirror, integrated clearance lamps/turn signals
- MyKey® owner controls feature
- Remote keyless entry and Perimeter anti-theft alarm
- Safety Belts – color-coordinated w/height adjustment (front-outboard seating positions only)
- Safety Canopy® System
- SecuriLock® Passive Anti-Theft System (PATS)
- Stationary Elevated Idle Control (SEIC)
- SOS Post-Crash Alert System™
- Under hood service light

DRIVER ASSIST

- Audible Lane Departure Warning (60C)
- Automatic High Beam – standard
- Pre-Collision Assist with Automatic Emergency Braking (AEB) and Forward Collision Warning (94P)
- Cruise Control (steering wheel mounted)
- SYNC® 3 – Enhanced Voice-Recognition Communications and Entertainment System with 911 Assist® and AppLink®, Apple CarPlay™, and Android Auto™

WEIGHT RATINGS

- FRONT AXLE WEIGHT RATING 5250 lbs
- REAR AXLE WEIGHT RATING 10040 lbs
- GROSS VEHICLE WEIGHT RATING 14000 lbs

20-10-0206

BATTERY - TWO SYSTEM - F SERIES CHASSIS

Y ___ N ___

The vehicle shall have a 12 V two (2) battery system rated at 1500 cold cranking amps. Both batteries shall be securely installed in the Ford OEM locations, under the vehicle hood.



20-10-0603	<p>ENGINE BLOCK HEATER - OEM PLUG</p> <p>An engine block heater shall be included in the chassis with the 125 VAC power cord, located under the hood.</p> <p>-----</p>	Y ___ N ___
20-20-0108	<p>F-Series ABS Console</p> <p>A black vacuum formed ABS center floor console shall be installed. This shall include an angled surface to accommodate the Weldon Vista display as well as a siren and a radio. Additional sirens or radios can also be installed on the horizontal surface on the base console. It will also include a recessed storage well for maps and reports and two (2) drink holders. The location of the console shall be between the cab seats (arm rest not available w/ ABS console). The Console System is to be SAE J3043 Ambulance Equipment Mount Device or Systems compliant and shall be labeled with its weighted capacity.</p> <p>-----</p>	Y ___ N ___
20-20-0252	<p>HEAT SHIELDS, PROTECTIVE</p> <p>Three (3) aluminized steel protective heat shields shall be installed to the upper laterals above the exhaust system to help protect the module from the chassis exhaust system heat. This shall meet OEM guidelines for heat shields.</p> <p>-----</p>	Y ___ N ___
20-20-0277	<p>HIGH IDLE SYSTEM, AUTOMATIC</p> <p>An aftermarket auto high-idle system shall be provided on the chassis. The high-idle shall be programmed to activate when the transmission is placed in the park position and the parking brake is activated. The system will automatically go to high idle, but will adjust itself as needed for higher or lower idle. If the module heat or a/c is activated the high idle will be overridden to 1500 rpm</p> <p>-----</p>	Y ___ N ___
20-30-0202	<p>MIRRORS, EXT OEM MANUAL TELESCOPNG WREMOTE & HEAT</p> <p>The chassis shall have OEM manual telescoping, folding trailer tow mirrors with power/heated glass, heated convex spotter mirror, integrated clearance lamps/turn signals.</p> <p>-----</p>	Y ___ N ___
20-30-0261	<p>OEM AUTO-LOCK DISABLED (cab & module doors do not auto lock or unlock)</p> <p>The OEM auto-lock feature will be disabled.</p> <p>-----</p>	Y ___ N ___
20-30-0806	<p>RUNNING BOARDS - STAR PUNCHED DIAMOND PLATE</p> <p>Aluminum diamond plate running boards with a star punched non-skid surface shall be provided on the cab. The running boards shall be bright dip anodized after they are formed to retain finish and increase corrosion resistance.</p> <p>-----</p>	Y ___ N ___
20-30-0916	<p>SUPER SWAY STOPS - F350</p> <p>Super Sway Stops shall be added to the chassis, installed one (1) per side, and mounted on the overload spring bracket(s) on the rear of the OEM suspension.</p> <p>-----</p>	Y ___ N ___
20-40-0206-30	<p>WHEEL SIMS - STAINLESS WITH VALVE STEM EXTENSIONS - F-350 CHASSIS</p> <p>Stainless steel full wheel simulators shall be provided for the front and the outside rear wheels. Air Max valve extensions shall be provided to properly</p>	Y ___ N ___



inflate the inner dual rear tires.

30-10-0030

BACKUP ALARM

Y ___ N ___

An (OSHA approved) back up alarm shall be installed with a disable control for silent backing. The disable control shall be located on the MCC (master control console). The back up alarm system shall automatically reset to the "on" mode when the transmission is taken out of reverse.

30-10-0753

SIREN, WHELEN 295-HFSA7-REMOTE WITH MICROPHONE (Meets CA Title 13)

Y ___ N ___

A Whelen 295-HFSA7 remote dualsiren amplifier shall be flush-mounted in the master control console located in the cab. The siren shall be capable of hands-free operation and shall be equipped with a noise canceling microphone. Note - Meets CA Title 13. Some features of this siren include:

DUAL 200 WATT, FLUSH MOUNT SIREN with REMOTE SIREN AMPLIFIER

- Six function siren plus radio repeat and public address.
- Operates two 100-watt speakers.
- Operates in dual (outputs 2 independent siren tones creating rich harmonic dual tone sound) or mono sound modes.
- External dip switch programmable siren tones.
- PTT (push to talk) switch on microphone overrides all siren functions.
- Removable unidirectional microphone with adjustable microphone volume adjustable preset radio repeat volume.
- SI TEST®, silent diagnostic test.
- Quick disconnect plug for ease of service or replacement.

12 Siren Tones

- Air horn • Wail • Yelp • Piercer • Manual Coast to Stop
- Manual • Mechanical Coast to Stop • Hi/Low • Yelp 249
- Warble • Whoop • Mechanical Tone

30-10-0812

SIREN SPEAKERS, CAST PRODUCTS - IN FRONT BUMPER

Y ___ N ___

Two (2) Cast Products - 100-watt siren speakers, shall be installed in outer ends of the front bumper.

Electrical

Item Number

Name

125AA101

OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - LEFT WALL ACTION AREA

Y ___ N ___

One (1) 2-wire +plus ground 125 VAC hospital grade duplex outlet shall be installed in the street side wall in the primary action area, with wiring connected to the shoreline. An indicator lamp shall be located within the 125 VAC outlet as a line monitor to indicate a live circuit. The outlet shall be labeled, "125 VAC".

125AA201

OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - LEFT WALL REAR ACTION AREA

Y ___ N ___

One (1) 2-wire +plus ground 125 VAC hospital grade duplex outlet shall be installed in the street side wall in the rear action area, with wiring connected to the shoreline. An indicator lamp shall be located within the 125 VAC outlet as a line monitor to indicate a live circuit. The outlet shall be labeled, "125 VAC".



125IF201	<p>OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - FRONT WALL CABINET</p> <p>One (1) 2-wire +plus ground 125 VAC hospital grade duplex outlet shall be installed in the mid front wall cabinet, with wiring connected to the shoreline. An indicator lamp shall be located within the 125 VAC outlet as a line monitor to indicate a live circuit. The outlet shall be labeled, "125 VAC".</p> <p>-----</p>	Y ___ N ___
12VAA101	<p>OUTLET, 12VDC - ONE (1) - LEFT WALL ACTION AREA</p> <p>One (1) 12 VDC power point outlet shall be installed in the street side wall in the primary action area. The outlet shall be labeled, "12 VDC". A Schottky diode medical isolator shall be provided to protect the 12 VDC outlet.</p> <p>-----</p>	Y ___ N ___
12VIF201	<p>OUTLET, 12VDC - ONE (1) FRONT WALL - CABINET</p> <p>One (1) 12 VDC power point outlet shall be installed in the patient compartment, in the front wall equipment area. The outlet shall be labeled, "12 VDC". A Schottky diode medical isolator shall be provided to protect the 12 VDC outlet.</p> <p>-----</p>	Y ___ N ___
30-06-0004	<p>ELECTRICAL SYSTEM - WELDON V-MUX, MICRO PROCESSOR BASED</p> <p>A Weldon V-MUX 100% solid state microprocessor based multiplex system shall be installed to control the electrical functions. The system shall include load management, load shedding, power modulation, load sequencing capabilities and provide on-board diagnostics with real-time status reporting. The system shall consist of one (1) color control console (Vista) in the cab, one (1) color control console (Vista) in the patient compartment, a total of three (3) control nodes: two (2) High Content nodes and one (1) 8 X 16 node, and a module warning display with video input and monitoring capabilities. The system must be a Weldon V-MUX. No exception. Bidders who propose any other proprietary electrical system shall be considered as non-compliant. Documentation required with bid submission. Bidder must supply with his/her bid proposal, a listing of not less than 500 ambulances produced with the Weldon V-MUX system within the past 5 years. The documentation shall include a production order number, the purchaser's agency name, and the date the ambulance was delivered. Bids submitted without this documentation shall not be considered.</p> <p>-----</p>	Y ___ N ___
30-06-0010	<p>VISTA IV MCC - PUSH BUTTON</p> <p>A Weldon V-MUX Vista IV interface module / display screen shall be provided and installed in the cab. The Vista module shall be operated through the use of push buttons.</p> <p>-----</p>	Y ___ N ___
30-06-0015	<p>VISTA IV ACP - PUSH BUTTON</p> <p>A Weldon V-MUX Vista IV interface module / display screen shall be provided and mounted on an angled flip - down panel with chrome lever latches, in the patient compartment ACP area. The Vista module shall be operated through the use of push buttons. A temperature sensor shall be mounted to the bottom of the ACP panel.</p> <p>-----</p>	Y ___ N ___



30-06-0026	WARNING DISPLAY - MULTIPLEX ELECTRICAL SYSTEM A digital warning display shall be integrated into the cab display console and programmed through the multiplex system to provide visual and audible indications for: Parking brake set condition, Parking brake release condition, Patient status alarm (four color with reset capability), Individual outside storage compartment "door open" warnings in vehicle outline form, Low voltage alarm, Low oxygen pressure alarm.	Y ___ N ___
30-06-0050	DAYTIME RUNNING LAMPS - MULTIPLEX ELECTRICAL SYSTEM The Headlights shall be activated at 30% intensity, for day time operation, when transmission is placed in drive, as a feature of the multiplex system. (if not standard on the chassis).	Y ___ N ___
30-06-0076	MASTER CONTROL CONSOLE (MCC) - MULTIPLEX ELECTRICAL SYSTEM A floor mounted Master Control Console (MCC) shall be located in the cab. The console shall house the siren and the color microprocessor display screen, which will control all the Emergency Warning functions as well as also being able to control the Patient Compartment lighting and module heat/ac functions.	Y ___ N ___
30-06-0101	ATTENDANT CONTROL PANEL (ACP) - MULTIPLEX ELECTRICAL SYSTEM The Attendant Control Panel (ACP) shall contain a color micro processor screen, which will control all equipment installed in the patient compartment.	Y ___ N ___
30-06-0126	ELECTRICAL COMPARTMENT (PDQ) - MULTIPLEX ELECTRICAL SYSTEM The Power Distribution Quarters (PDQ) shall hold electrical components, (i.e. power distribution nodes, circuit breakers, etc). The electrical compartment shall have a hinged door with two (2) chrome locking lever latches and be shall located on the partition wall behind the attendant seat.	Y ___ N ___
30-06-0150	SPARE CIRCUIT - MULTIPLEX ELECTRICAL SYSTEM One (1) spare 15 amp circuit shall be provided.	Y ___ N ___
30-06-0175	WIRING HARNESS CONNECTORS - MULTIPLEX ELECTRICAL SYSTEM All wiring harnesses shall be connected via quick connect circular plug connectors.	Y ___ N ___
30-06-0201	RADIO TIE-IN POINT - (1) 12V/40 AMP - CAB CONSOLE AREA One (1) set of 12 volt/40 amp radio tie-in points shall be installed in the cab console area of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" 250 amp junction stud.	Y ___ N ___
30-06-0202	RADIO TIE-IN POINT - (1) 12V/40 AMP - PATIENT COMPARTMENT One (1) set of 12 volt/40 amp radio tie-in points shall be installed in the patient compartment attendant control panel area of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" 250 amp junction stud.	Y ___ N ___



30-06-0203	RADIO TIE-IN POINT - (1) 12V/40 AMP - PDQ One (1) set of 12 volt/40 amp radio tie-in points shall be installed and mounted in the PDQ of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" 250 amp junction stud. -----	Y ___ N ___
30-06-0225	EMERGENCY MASTER SWITCH - MULTIPLEX ELECTRICAL SYSTEM A single emergency master switch shall be supplied for activating all the emergency warning lights and shall be provided on the master control console screen. The emergency master switch will activate the module power automatically. There shall also be an Emergency Master Menu button which shall allow access to individual warning light functions. -----	Y ___ N ___
30-06-0250	CONTROL PANEL SWITCHES - MULTIPLEX ELECTRICAL SYSTEM The switches on the master control console and attendant control panel screens shall have dimmable perimeter backlighting for easy identification. -----	Y ___ N ___
30-06-0275	MODULE POWER SWITCH - MULTIPLEX ELECTRICAL SYSTEM A module power switch for the electrical system shall be provided on both the Master Control Console and the Attendant Control Panel screens. -----	Y ___ N ___
30-06-0285	MODULE DISCONNECT - MULTIPLEX ELECTRICAL SYSTEM An In-Power 15 minute, nonadjustable disconnect shall be installed to keep the module power switch engaged, after the ignition is switched to the "off" position. This disconnect can also be activated from the side and rear doorways to turn on the check-out lights. -----	Y ___ N ___
30-06-0300	VOLTMETER - MULTIPLEX ELECTRICAL SYSTEM One (1) digital voltmeter shall be provided on the master control console screen. -----	Y ___ N ___
30-06-0325	FLASHER - MULTIPLEX ELECTRICAL SYSTEM The flasher shall be provided within and programmed by the multiplex electrical system. -----	Y ___ N ___
30-06-0350	FLASHING HEADLIGHTS - MULTIPLEX ELECTRICAL SYSTEM The headlights (high beams) shall be programmed through the multiplex system to alternate flash (wig-wag), activated by a switch on the master control console screen labeled "Flashing Headlights", with the ignition on and module power and emergency master switches enabled. The flashing headlights are to be disabled when the low or high beams are activated. They are also disabled when the transmission is placed in the neutral/park position. The flashing headlights shall have the capability to be reactivated with the "park override" switch in the "on" position if the low and high beams are off. -----	Y ___ N ___
30-06-0375	PARK OVERRIDE - MULTIPLEX ELECTRICAL SYSTEM A park override switch, located on the master control console screen, shall reactivate all lights disabled when the transmission is placed in the neutral/park position. -----	Y ___ N ___



<p>30-06-0400</p>	<p>LOAD MANAGER-SEQUENTIAL SWITCHING SYSTEM - MULTIPLEX ELECTRIC SYSTEM The load manager-sequential switching system shall be controlled by the microprocessor based electrical system. The emergency master button shall control the sequential switching of the emergency lights and/or other warning devices. The load manager shall automatically shed non-critical electrical loads during low voltage conditions to help prevent electrical system overload when the vehicle is stationary and the transmission is in the park position.</p>	<p>Y ___ N ___</p>
<p>30-06-0450</p>	<p>FRONT CLEAR DISABLE SWITCH - MULTIPLEX ELECTRICAL SYSTEM Activation of the switch on the master control console screen shall disable all forward facing clear warning lights.</p>	<p>Y ___ N ___</p>
<p>30-06-0475</p>	<p>CURBSIDE SCENE LIGHTS ON WITH CURBSIDE DOOR The Curbside scene lights shall be programmed to activate when the Curbside door is in the open position.</p>	<p>Y ___ N ___</p>
<p>30-06-0500</p>	<p>REAR SCENE LIGHTS ON WITH REAR DOORS OPEN The rear scene lights shall be programmed to activate when the rear doors are in the open position.</p>	<p>Y ___ N ___</p>
<p>30-06-0525</p>	<p>DISABLE SWITCH FOR REAR SCENE LIGHTS - MULTIPLEX ELECTRICAL SYSTEM A disable switch shall be installed at the rear door area to disable the rear scene lights.</p>	<p>Y ___ N ___</p>
<p>30-06-0550</p>	<p>DISABLE SWITCH FOR SIDE SCENE LIGHTS - MULTIPLEX ELECTRICAL SYSTEM A disable switch shall be installed at the curbside door area to disable the curbside scene lights.</p>	<p>Y ___ N ___</p>
<p>30-06-0575</p>	<p>REVERSE -TRANSMISSION- FUNCTIONS - MULTIPLEX ELECTRICAL SYSTEM The system shall be programmed to provide activation for the rear outboard warning lights, the rear side warning lights, the rear scene lights, and the rear side scene lights, when the transmission selector lever is placed into "reverse" position.</p>	<p>Y ___ N ___</p>
<p>30-10-0050</p>	<p>BATTERY CONVERTER - CHARGER A Progressive Dynamics #PD9245C, 45 amp, 125 VAC to 13.6 VDC converter shall be connected to the shoreline inlet and be capable of maintaining the batteries when plugged in.</p>	<p>Y ___ N ___</p>
<p>30-10-0110</p>	<p>ELECTRICAL CIRCUITS All electrical circuits shall have wiring and circuit protection suitable to the demand and must meet the national electric code (NEC) wiring requirements. All added on wiring (18 GA through 10 GA) shall be color coded and stamped with code numbers and functions every 4" for easy identification (all other wiring shall be color coded). SLX high temperature thermoplastic cross link wire shall be used. insulated cable shall be used for all under hood / underbody battery and charging system cable. High temperature (375° f)thermoplastic loom shall be used on all harnesses.</p>	<p>Y ___ N ___</p>



30-10-0190	<p>GROUND FAULT CIRCUIT INTERRUPTER-GFCI</p> <p>A 125 VAC, 20 AMP circuit breaker with ground fault circuit interrupter (GFCI) electronic ground leakage detection shall be installed in the load center for the shoreline circuit.</p> <p>-----</p>	Y ___ N ___
30-10-0415	<p>LIGHTS, OSS COMPARTMENTS - INCANDESCENT</p> <p>The outside storage compartments shall be equipped with Truck-Lite brand incandescent lights, activated by magnetic switches. (compartments #1, #1A, #2, and #3, each contain one (1) clear 4" round light, and compartment #4 shall contain two (2) clear 2-1/2" round lights)</p> <p>-----</p>	Y ___ N ___
30-10-0585	<p>USB - DUAL OUTLET, ONE (1) INTERIOR LOCATED ON CONSOLE</p> <p>One (1) dual USB port outlet, 5 volt / 2.1 amp, shall be installed on the Master Control Console in the cab. The outlet shall have power and ground for charging equipment, such as cell phones, iPad, etc...</p> <p>-----</p>	Y ___ N ___
30-10-0651	<p>RADIO ANTENNA BASES - ONE (1)</p> <p>One (1) antenna base, with attached coax cable shall be installed on the module roof. The coax cable shall terminate in the PDQ. Access to the antenna base shall be through an adjacent interior module dome light.</p> <p>-----</p>	Y ___ N ___
30-10-0901	<p>SYSTEM ACTIVE AND CHECK OUT LIGHTS - 15 MINUTES</p> <p>A switch shall be located at the curb and rear entry doors that will allow activation of the V-MUX electrical system. There shall also be a check out light switch located at the curb and rear doors that will allow activation of the left LED angled lights prior to entering the module. The system shall be programmed to shut down automatically after 15 minutes unless the ignition is on. This shutdown delay shall be user adjustable.</p> <p>-----</p>	Y ___ N ___
30-10-1007	<p>BRAKE OVERRIDE NOT REQUIRED</p> <p>Brake override not required.</p> <p>-----</p>	Y ___ N ___
30-11-0106	<p>LIGHTS, DOME LED (8) WHELEN SUPER LED</p> <p>Eight (8) Super LED dome lights, Whelen #80COEHCR, shall be provided in the patient compartment. The dome lights shall be controlled by separate switches for the left bank and right bank of lights. The dome lights shall be activated by switches on both the attendant control panel and the master control console. The dome lights shall be illuminated at 50% power whenever the patient compartment side or rear doors are opened.</p> <p>-----</p>	Y ___ N ___
30-12-0001	<p>RECEPTACLE SHORELINE INLET-SUPER 20 AMP, AUTO EJECT - YELLOW COVER</p> <p>A Kussmaul super auto eject shoreline inlet receptacle with yellow cover shall be installed on the module exterior (forward Streetside) near the driver's door. The receptacle shall be equipped with an integral dynamic disconnect. The 125VAC, heavy duty 20-amp circuit breaker shall have GFCI protection and shall be connected to the lighted 125VAC patient compartment outlet(s) and to the engine block heater (with a block heater circuit breaker in the load center). A mating connector shall be shipped loose with the completed ambulance.</p> <p>-----</p>	Y ___ N ___



USBAA101	<p>OUTLET, USB - ONE (1) DUAL - LEFT WALL ACTION AREA</p> <p>One (1) dual USB port outlets, 5 volt / 2.1 amp, shall be installed in the vehicle, located on the streetside main action area in the patient compartment. The outlet shall have power and ground for charging equipment, such as cell phones, iPad, etc...</p> <p>-----</p>	Y ___ N ___
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Exterior Lighting

<i>Item Number</i>	<i>Name</i>	
30-06-0410	<p>WARNING LIGHTS FLASH PATTERN SIGNAL ALERT 75 - MULTIPLEX ELECTRICAL SYSTEM</p> <p>The default flash pattern for the warning lights shall be Signal Alert 75. These warning lights will be operated from a single button labeled "flashers" via the Multiplex System on the master control console.</p> <p>-----</p>	Y ___ N ___
30-25-0122	<p>LIGHTS, ICC / LED CLEARANCE - ON MODULE FRONT - TECNIQ</p> <p>The vehicle shall have five (5) amber Tecniq LED (S33-AA00-1) clearance / ICC lights on the front of the module near the roof line.</p> <p>-----</p>	Y ___ N ___
30-25-0123	<p>LIGHTS, ICC / LED CLEARANCE - ON MODULE REAR - TECNIQ</p> <p>The vehicle shall have five (5) red TECNIQ LED (S33-RR00-1) clearance / ICC lights on the rear of the module near the roof line.</p> <p>-----</p>	Y ___ N ___
30-26-3008	<p>LIGHTS, REAR TAIL - WHELEN 600 LED STOP, TURN, & MINIMUM INTENSITY BACK-UP</p> <p>One (1) pair each of Whelen 600 series LED stop/tail lights, turn lights, and MINIMUM intensity LED back-up lights with chrome bezels shall be installed on the rear of the module.</p> <p>-----</p>	Y ___ N ___
30-26-7002	<p>LIGHT, LICENSE PLATE LED - WHELEN OACOEDCR</p> <p>One (1) Whelen OACOEDCR LED license plate light with 45 deg angled chrome-plated bezel shall be installed on the rear of the module, lower left side.</p> <p>-----</p>	Y ___ N ___
30-27-1102	<p>LIGHTS, ICC / LED CLEARANCE - ON MODULE SIDE - TECNIQ</p> <p>The vehicle shall have two (2) Tecniq (S330) red mini LED marker lights: one (1) red on each side at the rear of the vehicle which will also flash with turn signal.</p> <p>-----</p>	Y ___ N ___
ClearLENS	<p>CLEAR LENSES ON ALL WARNING LIGHTS</p> <p>All warning lights to have clear lenses</p> <p>-----</p>	Y ___ N ___
FIL05F0002	<p>LIGHTS FRONT INTERSECTION - 2 WHELEN 500 LED</p> <p>Two (2) Whelen 500 series super LED warning lights, with chrome flanges and water-proof connectors, shall be mounted on the front chassis fenders, one (1) on each side. The lights shall operate from a switch on the master control console labeled "Flashers".NOTE: When vehicle is placed in park, the override switch must be on for intersection light(s) to remain on.</p> <p>-----</p>	Y ___ N ___



FILCLR1R	<p>FRONT INTERSECTION LIGHT LOCATION 1 - RED</p> <p>The warning light located on front of the chassis fender in location 1 shall be red.</p> <p>-----</p>	Y ___ N ___
FILCLR2R	<p>FRONT INTERSECTION LIGHT LOCATION 2 - RED</p> <p>The warning light located on front of the chassis fender in location 2 shall be red.</p> <p>-----</p>	Y ___ N ___
FWL060007	<p>LIGHTS FRONT MODULE - 7 WHELEN 600 SUPER LED</p> <p>Seven (7) Whelen 600 series super LED warning lights with chrome bezels shall be installed on the module front. The lights shall operate from a switch on the master control console, labeled "Flashers".</p> <p>-----</p>	Y ___ N ___
FWLCLR1R	<p>FRONT WARNING LIGHT LOCATION 1 - RED</p> <p>The warning light located on the upper front of the module in location 1 shall be red.</p> <p>-----</p>	Y ___ N ___
FWLCLR2R	<p>FRONT WARNING LIGHT LOCATION 2 - RED</p> <p>The warning light located on the upper front of the module in location 2 shall be red.</p> <p>-----</p>	Y ___ N ___
FWLCLR3R	<p>FRONT WARNING LIGHT LOCATION 3 - RED</p> <p>The warning light located on the upper front of the module in location 3 shall be red.</p> <p>-----</p>	Y ___ N ___
FWLCLR4W	<p>FRONT WARNING LIGHT LOCATION 4 - WHITE</p> <p>The warning light located on the upper front of the module in location 4 shall be white.</p> <p>-----</p>	Y ___ N ___
FWLCLR5R	<p>FRONT WARNING LIGHT LOCATION 5 - RED</p> <p>The warning light located on the upper front of the module in location 5 shall be red.</p> <p>-----</p>	Y ___ N ___
FWLCLR6R	<p>FRONT WARNING LIGHT LOCATION 6 - RED</p> <p>The warning light located on the upper front of the module in location 6 shall be red.</p> <p>-----</p>	Y ___ N ___
FWLCLR7R	<p>FRONT WARNING LIGHT LOCATION 7 - RED</p> <p>The warning light located on the upper front of the module in location 7 shall be red.</p> <p>-----</p>	Y ___ N ___
GWL050004	<p>LIGHTS GRILLE - 4 WHELEN 500 SUPER LED</p> <p>Four (4) Whelen 500 series super LED warning lights, with waterproof connectors shall be installed the grille area of the chassis. The lights shall operate from a switch on the master control console labeled "Flashers".</p> <p>-----</p>	Y ___ N ___
GWLCLR1R	<p>GRILL WARNING LIGHT LOCATION 1 - RED</p> <p>The warning light located on the grill in location 1 shall be red.</p> <p>-----</p>	Y ___ N ___
GWLCLR2R	<p>GRILL WARNING LIGHT LOCATION 2 - RED</p> <p>The warning light located on the grill in location 2 shall be red.</p> <p>-----</p>	Y ___ N ___



GWLCLR3R	GRILL WARNING LIGHT LOCATION 3 - RED The warning light located on the grill in location 3 shall be red. -----	Y___N___
GWLCLR4R	GRILL WARNING LIGHT LOCATION 4 - RED The warning light located on the grill in location 4 shall be red. -----	Y___N___
RCL060001	LIGHTS REAR MODULE, UPPER CENTER - 1 WHELEN 600 LED One (1) Whelen 600 series super LED warning light with chrome bezels shall be installed on the upper rear of the module, center location. The lights shall operate from a switch on the master control console, labeled "Flashers". -----	Y___N___
RCLCLR1A	REAR CENTER MODULE LIGHT LOCATION 1-AMBER The warning light located on upper rear of the module in the center location shall be amber. -----	Y___N___
RIL070002	LIGHTS INTERSECTION REAR - 2 WHELEN 700 LED Two (2) Whelen 700 series super LED warning lights with, chrome flanges and water-proof connectors, shall be installed above the rear wheel wells, one (1) on each side. These lights shall operate from a switch on the master control console screen labeled "Flashers".NOTE: When vehicle is placed in park, the override switch must be on for intersection light(s) to remain on. -----	Y___N___
RILCLR1R	REAR INTERSECTION LIGHT LOCATION 1 - RED The warning light located on above the rear wheel well at location 1 shall be red. -----	Y___N___
RILCLR2R	REAR INTERSECTION LIGHT LOCATION 2 - RED The warning light located on above the rear wheel well at location 2 shall be red. -----	Y___N___
ROL060004	LIGHTS REAR MODULE, UPPER OUTER - 4 WHELEN 600 LED Four (4) Whelen 600 series super LED warning light with chrome bezels shall be installed on the upper rear of the module, in the outer locations. The lights shall operate from a switch on the master control console, labeled "Flashers". -----	Y___N___
ROLCLR1R	REAR OUTER MODULE LIGHT LOCATION 1 - RED The warning light located on upper rear of the module, in outer location 1 shall be red. -----	Y___N___
ROLCLR2R	REAR OUTER MODULE LIGHT LOCATION 2 - RED The warning light located on upper rear of the module, in outer location 2 shall be red. -----	Y___N___
ROLCLR3R	REAR OUTER MODULE LIGHT LOCATION 3 - RED The warning light located on upper rear of the module, in outer location 3, shall be red. -----	Y___N___



ROLCLR4R	<p>REAR OUTER MODULE LIGHT LOCATION 4 - RED</p> <p>The warning light located on upper rear of the module, in outer location 4, shall be red.</p> <p>-----</p>	Y ___ N ___
RS060002	<p>LIGHTS REAR SCENE - 2 WHELEN 600 LED</p> <p>Two (2) Whelen 600 Series super LED scene/load lights with chrome bezels shall be installed on the upper rear of the module. The lights shall operate from a switch on the master control console, labeled "Rear Scene Lights".</p> <p>-----</p>	Y ___ N ___
SS090004	<p>LIGHTS SIDE SCENE - 4 WHELEN 900 24 DIODE LED</p> <p>Four (4) Whelen 900 series 24 Diode LED scene lights with chrome flanges shall be installed, two (2) each module side. Streetside shall have one (1) scene light inboard of the module rear warning light, and one (1) scene light inboard of the module front warning light. Curbside shall have one (1) scene light inboard of the module rear warning light, and one (1) scene light below front warning light. These lights shall operate from switches on the master control console labeled "Left Scene Light" and "Right Scene Light".</p> <p>-----</p>	Y ___ N ___
SWL090004	<p>LIGHTS SIDE WARNING - 4 WHELEN 900 SUPER LED</p> <p>Four (4) Whelen 900 series super LED warning lights with chrome flanges shall be installed, two (2) each module side. Streetside shall have one (1) warning light outboard of the side module rear scene light, and one (1) warning light outboard of the module front scene light. Curbside shall have one (1) warning light outboard of the side module rear scene light, and one (1) warning light outboard of the module front scene light. These lights shall operate from a switch on the master control console labeled "Flashers".</p> <p>-----</p>	Y ___ N ___
SWLCLR1R	<p>SIDE WARNING LIGHT LOCATION 1 - RED</p> <p>The warning light located on side of the module, in outer location 1 shall be red.</p> <p>-----</p>	Y ___ N ___
SWLCLR2R	<p>SIDE WARNING LIGHT LOCATION 2 - RED</p> <p>The warning light located on side of the module, in outer location 2 shall be red.</p> <p>-----</p>	Y ___ N ___
SWLCLR3R	<p>SIDE WARNING LIGHT LOCATION 3 - RED</p> <p>The warning light located on side of the module, in outer location 3 shall be red.</p> <p>-----</p>	Y ___ N ___
SWLCLR4R	<p>SIDE WARNING LIGHT LOCATION 4 - RED</p> <p>The warning light located on side of the module, in outer location 4 shall be red.</p> <p>-----</p>	Y ___ N ___
WL090002	<p>LIGHTS REAR WINDOW - 2 WHELEN 900 SUPER LED</p> <p>Two (2) Whelen 900 series super LED warning lights with chrome flanges shall be installed on the rear of the module at window level, one (1) on each side. These lights shall operate from a switch on the master control console, labeled "Flashers".</p> <p>-----</p>	Y ___ N ___



WLCLR1R	<p>WINDOW LEVEL LIGHT LOCATION 1 - RED</p> <p>The warning light located on rear of the module at window level, location 1 shall be red.</p> <p>-----</p>	Y ___ N ___
WLCLR2R	<p>WINDOW LEVEL LIGHT LOCATION 2 - RED</p> <p>The warning light located on rear of the module at window level, location 2 shall be red.</p> <p>-----</p>	Y ___ N ___

Module Features / Exterior

Item Number	Name	
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39-00-0001	<p>MODULE BODY CONSTRUCTION - SEAMLESS</p> <p>The module shall be fabricated entirely of parts cut and formed from .125" (minimum) thickness 5052-H32 flat aluminum sheet stock, using CNC machines capable of .0004" repeatability. This is the only alloy that may be used for body parts that are welded together.</p> <p>The roll-cage type interior super-structure, aluminum partition and module shall all be welded together into a single unit to give optimum strength for patient and attendant protection. The module roof shall be designed with a minimum 1.5" crown to facilitate water run off.</p> <p>The floor, roof, sides, and all exterior doors shall be fabricated from .125" (minimum) thick flat aluminum sheet stock. The exterior joints between the roof and side components shall be continuous full seam welded the entire length of the module. All exterior body panel joints shall be continuous full seam welded.</p> <p>No VHB bonding tape or other adhesives shall be used in the construction of the ambulance module.</p>	Y ___ N ___
39-00-0002	<p>SOLE SOURCE MODULE BODY CONSTRUCTION</p> <p>It is required that the manufacturer of this vehicle have the ability to manufacture a completed ambulance, with the exception of the chassis, within their own manufacturing facility. The modular body must be built in the manufacturer's facility and shall not be the product of a subcontractor or any company other than the manufacturer.</p>	Y ___ N ___
39-00-0005	<p>AWS ALUMINUM CERTIFIED WELDERS</p> <p>AWS Aluminum Certified Welders shall construct the module. AWS certificates shall be required to be part of the completed bid packet. Bids without AWS certificates shall be considered non-compliant (no Exception).</p> <p>-----</p>	Y ___ N ___
39-10-0003	<p>CONNECTIONS, MODULE</p> <p>The module shall be bolted to the chassis frame rail with (12) 5/8" -11 grade 8 bolts through OEM rubber insulating spacers installed on outriggers at twelve (12) separate locations (six each frame rail), providing noise insulation and easy removal for chassis replacement. The frame mounting bolts shall be properly torqued and secured with locktite. The system used</p>	Y ___ N ___



40-00-0009	<p>for fastening the module to the frame shall be that approved by the chassis manufacturer.</p> <p>ALUMINUM PARTS - MODULE EXTERIOR</p> <p>All unpainted exterior aluminum parts shall be bright dip anodized after fabrication to retain the finish and increase corrosion resistance.</p> <p>-----</p>	Y___N___
40-00-0010	<p>CORROSION MINIMIZATION - MODULE</p> <p>All module contact with dissimilar metals shall be minimized with the use of nylon screw-hole inserts to prevent fastener contact with the module body, nylon hinge strips, ceramic coated stainless steel hinge bolts, and ECK brand corrosion inhibitor spray.</p> <p>-----</p>	Y___N___
40-00-0019	<p>DOOR SKINS, OUTSIDE STORAGE COMPARTMENTS - DIAMOND PLATE INTERIOR SKINS</p> <p>The interior door skins for all outside storage compartments shall be constructed of .063" thick aluminum diamond plate.</p> <p>-----</p>	Y___N___
40-00-0020	<p>DOOR CONSTRUCTION - GASKET PLACEMENT</p> <p>All exterior hinged module doors shall be constructed in an inverted pan-formed design. The pan shall be constructed from .125" thick 5052-H32 flat sheet aluminum. The exterior door skin shall be constructed of .190" thick aluminum and welded to the pan.</p>	Y___N___
40-00-0030	<p>Door gaskets shall be attached to the interior side of the door skin. Gaskets attached to interior door frames are not satisfactory and shall not be accepted.</p> <p>EXTERIOR COMPARTMENTS DESIGN</p> <p>All exterior compartments shall include these features:</p> <ul style="list-style-type: none">• Sound absorbing slip resistant polyurethane material shall be sprayed on the inside of all compartments and compartment shelving, slide out trays and closeouts.• Baffled seep holes shall be provided to prevent water from splashing or seeping into the exterior compartments.• Full-length, two-way adjustable, stainless steel hinges on all exterior compartment doors with 3/16" stainless steel hinge pins.• Compartment doors shall be installed, flush with the module body.• When double doors are provided, each door shall have an exterior handle, but only the forward door shall be lockable. (rearward door is secured when forward door is locked). All exterior compartments and passage doors shall be keyed alike.• Lockable, Eberhard "free-floating" type chrome plated handles with rotary locks. A gasket shall be installed under each handle to protect the paint.	Y___N___



- Drip rails shall be installed above all exterior compartment doors.

40-00-0050	<p>EXTERIOR COMPARTMENTS, VENTING</p> <p>A minimum of nine (9) square inches of venting shall be provided inside the #1, #2, #3, & #4 exterior storage compartments to provide for easier closure of the compartment doors.</p> <p>-----</p>	Y ___ N ___
40-00-0055	<p>EXTERIOR COMPARTMENTS, VENTING - OXYGEN STORAGE</p> <p>A minimum of nine (9) square inches of venting shall be provided in the exterior oxygen storage compartment, to dissipate any leaking oxygen gas.</p> <p>-----</p>	Y ___ N ___
40-00-0060	<p>EXTERIOR COMPARTMENTS - SWEEP-OUT</p> <p>Exterior module compartments shall be of a sweep-out design to aid in facilitation of the purchaser's routine care and cleaning of the vehicle. All exterior compartment floors, with the exception of the front ALS compartment shall be constructed to be flush with the bottom door frame.</p>	Y ___ N ___
40-00-0070	<p>HANDLES, EBERHARD - CHROME FREE FLOATING TYPE</p> <p>Eberhard #EMC-1-2110 chrome "free-floating" handles shall be installed on each exterior module door. The handles shall be large enough to accommodate a gloved hand.</p> <p>-----</p>	Y ___ N ___
40-00-0080	<p>INSULATION - POLYURETHANE SPRAY FOAM</p> <p>The walls, ceiling, passage doors, outside storage doors, the entire underside of the module floor (except for mounting pads), the underside of the outside storage compartments, the wheel wells, and the underside of the curbside step area shall be completely foam - in - place insulated with nominal 3/4" thick sprayed on Class I, urethane foam for thermal and acoustical insulation. The insulation shall comply with FMVSS #302 flame spread requirements. The underside of the body shall be properly prepared to ensure adhesion before the spray insulation is applied.</p> <p>-----</p>	Y ___ N ___
40-00-0091	<p>THRESHOLD, STAINLESS STEEL - ALL OSS STORAGE COMPARTMENTS</p> <p>Each exterior storage compartment with a hinged door shall have a stainless steel lower threshold at the door opening to protect the paint as equipment is installed and removed from the compartment.</p> <p>-----</p>	Y ___ N ___
40-10-0066	<p>DOOR SLIDING - MODULE CURBSIDE PASSAGE</p> <p>The module body shall include a sliding side entry door to access the curbside of the patient compartment. The door shall slide out and towards the rear of the module body. The door design must meet FMVSS 206 for sliding doors and shall have been cycle tested in excess of 100,000 cycles. The door shall not extend out more than 5 1/4" from the module when in the open position and shall be flush in the closed position. The door shall operate on a total of nine (9) casters and three (3) tracks for ease of operation. The door shall be held closed with two (2) rotary latches and two (2) locking tabs. The door must have a system to prevent the door from self closing, when unit is parked on an incline. A measured force of ten (10) pounds maximum shall be required to release the door from the open to closed position. A chrome locking handle shall be installed on the exterior of the door. The door shall be lockable from the inside and outside and shall shut on molded air-core, automotive type door seals to prevent</p>	Y ___ N ___



any water from leaking into the vehicle interior. A drip rail shall be installed above the door.

Documentation required:

The bidder must submit with this bid proposal a listing of not less than 200 ambulances produced with curbside sliding doors in the past four years. The listing is to include a production order number, the purchaser's agency name, and date the ambulance equipped with the curbside sliding door was delivered.

Failure to provide the required documentation shall be considered as non-responsive.

- | | | |
|-------------------|---|----------|
| 40-10-0073 | <p>LOWERED MODULE CURB SIDE</p> <p>Module curb side to be as low as possible and still comply with KKK-1822-F ramp break over angle. Lowered side will allow easier entry into the module as well as increased compartment storage.</p> <p>-----</p> | Y___N___ |
| 40-10-0083 | <p>DOORS - REAR PASSAGE</p> <p>There shall be a 49.00" wide x 59" high rear door opening in the patient compartment. The doors shall be flush without a protruding flange or lip. The right rear passage door shall have a lockable, chrome exterior handle. The left rear door shall have a non-locking, chrome exterior handle. All handles shall be installed with a gasket to protect the paint. The hinge shall be full length stainless steel with a 3/16" stainless steel hinge pin and shall be two-way adjustable. Each rear door shall have a two point slam action automotive type rotary latching system to the body. The right rear door shall lock to the body at the top and bottom, not to the left rear door. The doors shall have .213" steel door latch activator rods with clevis adjusters. The doors shall be lockable from the inside and outside. All doors shall shut on molded, air-core, automotive type door seals to prevent any water from leaking into the vehicle interior.</p> <p>-----</p> | Y___N___ |
| 40-10-0103 | <p>FENDERETTES - POLISHED ALUMINUM</p> <p>Polished aluminum fenderettes shall be installed around the rear wheel well openings.</p> <p>-----</p> | Y___N___ |
| 40-10-0119 | <p>HOLD-OPEN - REAR DOORS - GRABBERS</p> <p>Door grabbers (1 pair) with hard rubber inserts shall be installed on the rear doors, permitting a door hold open position of 130 degrees.</p> <p>-----</p> | Y___N___ |
| 40-10-0130 | <p>EMERGENCY RELEASE LEVER, EXPOSED, REAR PATIENT PASSAGE DOORS</p> <p>An emergency release lever shall be attached to each rear passage door latch and shall be operated with a sliding motion within a slotted track located towards the edge of the door frame. These levers shall provide an externally mounted means of actuating the latches from the patient compartment without the use of the interior door handles.</p> <p>-----</p> | Y___N___ |



40-10-0151	SWITCH DOOR UNLOCK, WATERPROOF - HIDDEN IN FRONT GRILLE AREA An exterior waterproof hidden door unlock switch shall be provided and installed in the front grill area. -----	Y ___ N ___
40-10-0191	LOCKS POWER - PASSAGE, COMPARTMENTS, KEY FOBS Power door locks shall be included on module passage doors and five (5) outside storage compartments. The locks shall be activated from the interior of the rear and the curbside doorway, as well as the OEM chassis cab door switches. A keyless entry system shall be installed. The system shall operate with the OEM key fobs to lock/unlock all chassis and module doors. -----	Y ___ N ___
40-10-0204	MUD FLAPS, REAR - BLACK RUBBER FIBERGLASS REINFORCED - THREE COLOR Black rubber, fiberglass reinforced mud flaps with a minimum 1/4" thickness shall be bolted to the underside of the module behind the rear wheels. The width and length of the flaps shall provide adequate coverage of the rear dual wheels of the chassis. The mud flaps shall be three color with the bidder's logo. -----	Y ___ N ___
40-10-0266	REAR STEP/BUMPER -FLIP-UP CENTER SECTION - STAR PUNCHED AND ANODIZED The rear bumper shall be affixed to the chassis frame. The bumper shall be constructed with a hinged center section. Two (2) steel braces shall secure the step to the chassis frame. The outer 17" on each end of the bumper shall be constructed from heavy gauge stamped polished stainless steel bumper parts and shall provide smooth rounded corners. The step shall be constructed of star punched .125" thick aluminum diamond plate. Two (2) rear LED step illumination lights shall be provided. All diamond plate surfaces shall be bright dip anodized. Rear step installation shall comply with AMD standard 018. A strip of black PVC shall be installed on the face of the step to protect the patient cots during loading. -----	Y ___ N ___
40-10-0280	RUB RAILS, ANODIZED ALUMINUM Bright dip anodized polished aluminum rub rails shall be installed on the lower sides of the body below the outside compartment sill areas. The rub rails shall be offset 3/16" from the body to facilitate wash down of road debris. -----	Y ___ N ___
40-10-0322	STEPWELL, CURBSIDE DOORWAY The curbside doorway step area shall be covered with a washable sprayed-on multi-use polychromaticcoating.	Y ___ N ___
40-10-0340	STONE GUARDS, MOD FRNT -ANODIZED DIAMOND PLATE Bright dip anodized aluminum diamond plate stone guards shall be installed on the module front, one (1) each side. -----	Y ___ N ___
40-10-0360	KICKPLATE/THRESHOLD, REAR DOORWAY - ANODIZED DIAMOND PLATE A bright dip anodized aluminum diamond plate kick plate shall be installed at the rear exterior doorway, providing a kick / scuff plate at the rear of the vehicle above the rear step. -----	Y ___ N ___



40-10-0505	<p>WINDOWS, PASSAGE DOOR - (CURB SLIDING, REAR FIXED)</p> <p>The curbside passage door shall have a 16" x 23" openable (sliding) window with removable screen. Each rear passage door shall have a 19" x 18" non-openable window. The distance between the rear window glass shall not exceed 6" to assure maximum vision to the rear. The windows shall have a 69% dark tint and shall be secured with black oxide coated fasteners. No warning lights shall be blocked from view when the curbside or rear doors are open.</p> <p>-----</p>	Y ___ N ___
EC2-2001	<p>EXTERIOR CURB F350</p> <p>Curbside Exterior F350: Please refer to completed drawing and the selected features for actual details of curbside exterior layout.</p> <p>-----</p>	Y ___ N ___
EF2-2001	<p>EXTERIOR FRONT F350</p> <p>Front Exterior F350: Please refer to completed drawing and the selected features for actual details of front exterior layout.</p> <p>-----</p>	Y ___ N ___
ER2-2001	<p>EXTERIOR REAR F350</p> <p>Rear Exterior F350: Please refer to completed drawing and the selected features for actual details of Rear exterior layout.</p> <p>-----</p>	Y ___ N ___
ES2-2001	<p>EXTERIOR STREET F350</p> <p>Streetside Exterior F350: Please refer to completed drawing and the selected features for actual details of Streetside exterior layout.</p> <p>-----</p>	Y ___ N ___
OS102WELD	<p>OSS #1 - OXYGEN STORAGE BRACKET WELDED IN FOR H or M CYLINDER</p> <p>An oxygen storage bracket shall be welded in OSS #1 for retention of "H" or "M" oxygen cylinders.</p> <p>-----</p>	Y ___ N ___
OS1ASS1OP1	<p>OSS #1A</p> <p>A Streetside exterior center compartment OSS #1A, shall be installed.</p> <p>-----</p>	Y ___ N ___
OS1ASS1STD	<p>OSS #1A - STREETSIDE CENTER</p> <p>Streetside exterior compartment center, OSS #1A, shall have a 45.25" high x 17.50" wide clear door opening with 50.25" high x 24.00" wide x 18.50" deep interior dimensions. The door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door.</p> <p>-----</p>	Y ___ N ___
OS1BB	<p>OSS #1 - BACKBOARD - SCOOP STRETCHER STORAGE</p> <p>Outside storage compartment #1 shall provide storage for backboard / scoop stretcher.</p> <p>-----</p>	Y ___ N ___
OS1DIV1	<p>OSS #1 - FIXED DIVIDER</p> <p>One (1) fixed divider with sprayed on polyurethane material shall be provided and installed in outside storage compartment #1.</p> <p>-----</p>	Y ___ N ___
OS1SS1OP1	<p>OSS #1 - OXYGEN STORAGE WITH DIVIDER</p> <p>There shall be an outside storage compartment #1, Streetside forward, with divider and oxygen bracket for backboard - scoop stretcher and O2 storage.</p> <p>-----</p>	Y ___ N ___



OS1SS1STD	<p>OSS #1 - STREETSIDE FORWARD</p> <p>#1 (forward street side compartment) shall have a 81.75" high x 19.25" wide clear door opening and interior dimensions of 82.75" high x 22.75" wide x 18.50" deep. This compartment shall provide storage for either an "M" or "H" oxygen cylinder. A spring-loaded, hinged acrylic door shall be provided to allow access from inside the patient compartment to the oxygen cylinder valve. Restraining devices shall meet AMD standard 028 and SAE J3043, oxygen tank retention system requirements. A cylinder changing wrench shall be provided and secured inside the oxygen compartment. This compartment shall include one (1) eight inch deep fixed divider and adjustable strap to accommodate a scoop stretcher/backboard forward of the divider. The compartment door shall be held open by a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door. A nine (9) square inch minimum vent shall be provided in the oxygen compartment to dissipate any leaking oxygen gas. The oxygen cylinder shall be provided by the purchaser. The compartment and door shall come prepped to accommodate future install of the E-Z O2 lift.</p> <p>-----</p>	Y ___ N ___
OS2SCHOOK	<p>STAIR CHAIR HOOK AND STRAP ON DOOR</p> <p>The compartment door shall have a strap, and two (2) J hooks installed on the interior side to accommodate a stair chair.</p> <p>-----</p>	Y ___ N ___
OS2SHELFSF2	<p>OSS #2 - SHELVES TWO (2) ADJUSTABLE - 1 FULL DEPTH, 1 SHALLOW DEPTH WITH TRACK</p> <p>There shall be two (2) shallow depth adjustable shelves with track in Outside storage compartment #2.</p> <p>-----</p>	Y ___ N ___
OS2SS1OP1	<p>OSS #2 - (2) ADJ. SHELF (1 SHALLOW, 1 FULL DEPTH) WITH INSIDE/OUTSIDE ACCESS & STAIR CHAIR HOOKS/STRAP ON THE DOOR</p> <p>There shall be a outside storage compartment #2 Streetside , with two (2) adjustable shelves (one shallow, one full depth) , inside outside access, and stair chair hooks and strap.</p> <p>-----</p>	Y ___ N ___
OS2SS1STD	<p>OSS #2 - STREETSIDE REAR - TALL DOOR</p> <p>Streetside rear compartment #2 shall have a 59.50" high x 28.00" wide clear door opening with 61.25" high x 34.00" wide x 18.50" deep interior dimensions and shall provide inside/outside access. This compartment can accommodate a folding stair chair / stretcher mounted on the door with the installed two (2) J hooks and a strap, or it can be used to provide spare tire storage. The door shall be held open with a spring loaded gas cylinder and a locking handle shall be installed on the exterior of the door.</p> <p>-----</p>	Y ___ N ___
OS3BB	<p>OSS #3 - BACKBOARD - SCOOP STRETCHER STORAGE</p> <p>There shall be storage in the compartment #3 for backboard scoop / stretcher.</p> <p>-----</p>	Y ___ N ___
OS3SS1OP1	<p>OSS #3 - BACKBOARD/SCOOP STORAGE</p> <p>There shall be storage in the compartment #3 for backboard / scoop stretcher.</p> <p>-----</p>	Y ___ N ___



OS3SS1STD	<p>OSS #3 - CURBSIDE REAR</p> <p>The curbside rear compartment #3 shall have a 75.50" high x 15.00" wide clear opening with 76.75" high x 18.00" wide x 18.50" deep interior dimensions. The compartment shall provide storage for backboard / scoop stretcher. The compartment door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door.</p> <p>-----</p>	Y ___ N ___
OS4SS110P1	<p>OSS #4 - INSIDE/OUTSIDE ACCESS WITH (3) ADJUSTABLE SHELVES - #4A OPEN STORAGE AREA</p> <p>The outside compartment #4, curbside forward, shall have inside / outside access with three (3) adjustable shelves, a lower section for additional miscellaneous storage. The compartment door shall have a locking handle installed on the exterior of the door.</p> <p>-----</p>	Y ___ N ___
OS4SS1STD	<p>OSS #4 - CURBSIDE FORWARD</p> <p>Compartment #4, Curbside forward, shall have a 60.50" high x 15.50" wide, clear door opening, provide inside / outside access, and shall be split into two (2) sections. The uppermost section shall have three (3) adjustable shelves (reference the lower front wall cabinet in patient compartment specification for interior dimensions). The lowermost section, #4A, shall have 18.25" high x 15.50" wide x 17.00" deep interior dimensions. The compartment door shall have a locking handle installed on the exterior of the door.</p> <p>-----</p>	Y ___ N ___

Module Interior / Patient Compartment

Item Number	Name	
50-00-0202	<p>ROUNDED INTERIOR CORNERS</p> <p>Interior vertical edges shall have rounded/padded corners in the following locations: forward and aft edges of the CPR seat (if provided), the wall at the aft end of the squad bench, and the partition opening cabinet edges, along with the upper front wall cabinet (if provided).</p> <p>-----</p>	Y ___ N ___
50-01-0408	<p>LATCHES, CABINET, CN10 COMPLIANT AS APPLICABLE</p> <p>The ACP (attendant control panel) door, the PDQ (power distribution quarters) door, and the radio cabinet door shall be secured with chrome locking lever latches; all remaining interior hinged cabinet doors shall be secured with with center squeeze latches. All interior drawers shall be secured with locking flush pull latches. Cabinet(s) shall be KKK-A-1822F Change Notice 10 compliant and conform to all applicable SAE J3058 requirements.</p>	Y ___ N ___
50-10-0138	<p>CABINET - LEFT WALL, UPPER REAR #1 - FIXED FRAME</p> <p>The left wall, upper rear interior cabinet (#1) shall have a door opening of 13.00" high x 44.00" wide with interior dimensions of 14.75" high x 45.75" wide x 16.25" deep. The cabinet shall be enclosed by one (1) set of sliding acrylic doors and contain one (1) adjustable shelf.</p> <p>-----</p>	Y ___ N ___
50-10-0226	<p>LEFT WALL - ATTENDANT CONTROL PANEL - HINGED PANEL</p> <p>A hinged access panel and secured with two (2) latches shall be installed to the immediate right of the attendant's seat. The color micro processor screen shall be installed on the panel.</p> <p>-----</p>	Y ___ N ___



50-10-0338	CABINET - LEFT WALL, UPPER OVER PANEL #2 - FIXED FRAME The left wall, interior cabinet (#2) above the attendant control panel shall be enclosed by one (1) set of sliding polycarbonate doors. The doors shall have full length handles with the outer most sliding door to have handles on both ends. -----	Y ___ N ___
50-10-0514	CABINET - LEFT WALL, LOWER REAR #3 - INSIDE/OUTSIDE The left wall, lower rear interior cabinet (#3) shall provide inside/outside access into outside storage compartment #2 and shall have hinged polycarbonate doors. (Reference the exterior outside storage compartment #2 in the module section for shelving configurations). Each door shall have a full length hinge, a full length handle, and a center squeeze latch. -----	Y ___ N ___
50-10-0532	DRAWER - LEFT WALL, LOWER UNDER REAR ACTION AREA #4 A slide-out drawer shall be provided in the street side wall below the rear action area. The drawer shall be constructed of .090" thick aluminum and shall be secured with one (1) stainless steel flush pull latch. -----	Y ___ N ___
50-10-0617	PRIMARY ACTION AREA The primary action area shall be located beside the attendant seat with work area dimensions of approximately 36.00." wide x 15.50" deep. -----	Y ___ N ___
50-10-0641	SECONDARY ACTION AREA The secondary action area shall be located to the rear of the CPR seat with work area dimensions of approximately 16.75" high x 14.00" wide x 15.50" deep. -----	Y ___ N ___
50-20-0135	CABINET - FRONT WALL, UPPER #1 The front wall, upper interior cabinet #1 shall be constructed of aluminum and enclosed by one (1) flip-up polycarbonate door with hold-opens and secured with a center squeeze latch. The compartment shall contain one (1) adjustable shelf. -----	Y ___ N ___
50-20-0273	CABINET - FRONT WALL, LOWER #2 The front wall interior cabinet #2 shall be enclosed by one (1) set of sliding aluminum doors. The doors shall have full length handles with the outer most sliding door to have handles on both ends. -----	Y ___ N ___
50-20-0409	CABINET - FRONT WALL, MID LEVEL #3 The front wall mid-level cabinet #3 shall be enclosed by a drop down hinged aluminum door secured with a chrome locking lever latch. -----	Y ___ N ___
50-20-0420	CABINET - FRONT WALL, LOWER #4 and #5 - INSIDE/OUTSIDE ACCESS The lower front interior wall shall have two (2) compartments, with a center shelf to serve as the divider between the cabinets. The uppermost cabinet (#4) shall have a door opening of 17.75" high x 25.00" wide with interior dimensions of 19.25" high x 27.75" wide x 20.00" deep. This cabinet shall provide inside/outside access and shall have one (1) adjustable shelf on Unistrut adjustable track brackets. One (1) clear light mounted in a removable panel will provide illumination in this compartment. There shall be aluminum beveled ramp edging installed on	Y ___ N ___



	<p>two edges of each shelf. This compartment shall be enclosed by one (1) pair of 3/8" thick, hinged polycarbonate doors. Each door shall have a full length hinge and center squeeze latches. The front wall lower cabinet (#5) shall have a door opening of 17.75" high x 25.00" wide with interior dimensions of 19.25" high x 27.75" wide x 20.00" deep. This cabinet shall provide inside/outside access and shall have one (1) adjustable shelf on Unistrut adjustable track brackets. One (1) clear light mounted in a removable panel will provide illumination in this compartment. There shall be aluminum beveled ramp edging installed on two edges of each shelf. This compartment shall be enclosed by one (1) pair of 3/8" thick, hinged polycarbonate doors. Each door shall have a full length hinge and center squeeze latches.</p>	
50-20-0522	<p>----- PASS THROUGH - CAB TO MODULE, WINDOW OPENING A window opening shall be provided in the rear of the cab to accommodate pass-through communications to the patient compartment. -----</p>	Y___N___
50-50-0103	<p>SEATING - ATTENDANT - EVS HiBAC, INTEGRAL CHILD, SWIVEL BASE CN8 COMPLIANT A rear facing EVS HiBAC attendant seat shall be installed at the head of the patient cot. The seat shall be equipped with a SB-2, two position, sliding swivel base and incorporate an integral child safety restraint system. The seat shall be KKK-A-1822F Change Notice 8 compliant with V4 harness style shoulder / seat belt and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The seat shall be padded and covered with color coordinated, cushioned vinyl.</p>	Y___N___
50-50-0122	<p>SEATING - ATTENDANT - SIDE MOUNT POSITION The attendant seat shall be in a side mount position. -----</p>	Y___N___
50-50-0541	<p>HOLD OPENS - SQUAD BENCH LID - GAS CYLINDERS Two (2) gas cylinders hold -opens shall be provided and installed to hold the cushioned lid in the open and closed position. -----</p>	Y___N___
50-50-0556	<p>SQUAD BENCH LID, PADDED WITH SHARPS /TRASH ACCESS -----</p>	Y___N___
50-51-1001	<p>CABINET CONSTRUCTION - INTERIOR - ALUMINUM All interior cabinets shall be constructed of .090" thick welded aluminum. Wood products shall not be used in the construction of any interior cabinet. All cabinet exteriors, interiors, drawer fronts, drawer interiors, and aluminum doors shall be sealed with a washable sprayed-on multi-use polychromatic coating. -----</p>	Y___N___
50-51-1011	<p>RECESSED ADJUSTABLE SHELF TRACK - CABINETS Unistrut 13/16" x 13/32", 19 gauge channel shall be installed in the interior cabinets that contain adjustable shelves. The track shall be welded in and</p>	Y___N___



	recessed to reduce the number of fasteners and provide a cleaner look. -----	
50-51-1013	HOLD OPENS FOR INTERIOR DOORS All interior cabinets with doors less than 6" tall shall have friction hinges as hold opens for door(s). Doors 6" and taller shall be designed using gas shocks as hold opens for the door(s). -----	Y___N___
50-51-1014	CATCH, MAGNETIC - ADHESIVE BACK FOR INTERIOR DOOR(S) OVER 36 INCHES All interior doors that are over 36" inches tall with a latch on the top of the door shall have an adhesive back magnetic catch installed on the bottom of the door. -----	Y___N___
50-51-2002	CABINET DOORS - CLEAR POLYCARBONATE All cabinet doors shall be clear polycarbonate material. The sliding cabinet doors shall be installed in aluminum track lined with PPL inserts to eliminate rattles and prevent the doors from opening during transit. An edge mounted aluminum handle shall be installed on each sliding cabinet door. -----	Y___N___
50-51-3001	CABINETS/ WALLS - POLYCHROMATIC COATING - MARBLE STONE All exposed side walls, the partition wall (on the patient compartment side only), the headliner, along with the cabinet and drawer fronts, aluminum doors, cabinet and drawer interiors shall be covered with a washable #99-7371 Marble Stone sprayed-on multi-use polychromatic coating, to create a laminate-free interior. -----	Y___N___
50-51-4002	COUNTER TOP - RECESSED ALUMINUM - POLYCHROMATIC SPRAY COATED The counter top shall be recessed 3/4" to prevent equipment from sliding off. All counter top work surfaces shall be finished with multi-use polychromatic spray coating prior to being clear coated. -----	Y___N___
50-51-5015	UPHOLSTERY - RENAISSANCE - STEEL BLUE #9214 All cushion, head pads and seating surfaces shall be covered with Spradling International "Renaissance" Steel Blue #9214 expanded vinyl upholstery material. The vinyl and all foam cushion material shall comply with FMVSS #302 flame spread requirements. -----	Y___N___
50-51-6001	LONPLATE II, NON-SLIP EMBOSSED SM. GRID - MICA (GRAY) #421 The floor in the patient compartment shall be covered with Lonseal "Lonplate II" non-slip; small grid (embossed) Mica (gray) #421, resilient sheet vinyl flooring material, which shall be covered 3-inches up the wall on the street side, and to the top of the squad bench base on the curbside. The flooring material shall be stripped and waxed before delivery. -----	Y___N___
50-60-0018	ASPIRATOR / SUCTION - SSCOR - WITH ELECTRIC PUMP - RECESSED An SSCOR suction system with a 12 VDC electric vacuum pump shall be recessed into the street side lower interior wall near the attendant's seat. The 12 VDC electric vacuum pump shall be mounted in the standard outside storage compartment. The system shall be activated by a switch on the attendant control panel. The SSCOR vacuum pump exhaust shall be	Y___N___



vented to the exterior of the vehicle.

50-60-0257

EXHAUST VENTILATOR, 3-SPEED - MULTIPLEX ELECTRIC SYSTEM

Y___N___

A three-speed, 250 CFM (minimum) exhaust fan meeting KKK-A-1822F requirements shall be provided and installed in the front wall cabinet in the patient compartment. The exhaust fan shall be pulse width modulated from a switch on the attendant control panel vista screen. The exhaust system shall have a louvered grille inside and a chrome vent outside. The exhaust system shall vent through the side of the vehicle, not through the roof.

50-60-0340

GRAB RAIL, 1-1/4" DIAMETER, (96") OVER COT AREA

Y___N___

One (1) 1-1/4" diameter x 96" long stainless steel grab rail shall be installed on the ceiling for attendant/ patient balance control. The grab rail shall be attached to the ceiling with three (3) mounting brackets that secure it to the super structure of the module. Installation of the grab rail shall comply with AMD-008 requirements.

50-60-0417

HEAT/AC, PROAIR 935 700 CFM BRUSHLESS BLOWER MOTOR (35,000 BTU heating / 32,000 BTU cooling)

Y___N___

A Pro-Air 12V model #935 high capacity 700 CFM heater/air conditioner system with 35,000 BTU heating capacity and 32,000 BTU cooling capacity and with a brushless blower motor controlled through, the pulse-width-modulated output of the microprocessor based electrical system, shall be provided for high volume air movement with minimal noise. The heater/air conditioner air return shall be filtered to minimize contamination of the heater/air conditioner cores. The cab and module environmental systems shall be simultaneously capable of heating in the front while cooling in the rear and vice-versa. A thermostatically controlled rear system shall be provided for heating and air conditioning the patient compartment. The temperature, whether heating or cooling, shall be controlled by a thermostat built into the attendant control panel screen, located in the street side cabinet and from the cab master control console screen. Heating and cooling may be selected automatically or manually. The heater/air conditioner system shall function only when the ignition system and the module power switch are on. The rear heater shall have EPDM/Nomex heater hoses. The rear air conditioner shall have barrier air conditioner hoses for R-134A refrigerant. Full module HVAC controls shall be located on both the rear ACP screen and the cab MCC screen.

50-60-0431

IV HANGERS - CEILING RECESSED - CAST PRODUCTS #IV2008-1 (2)

Y___N___

Two (2) Cast Products #IV2008-1 recessed, dual, ceiling I.V. hangers shall be provided. One (1) installed near the Streetside above the cot area, and one (1) near the Curbside above the squad bench area.

50-60-0591

NET, SQUAD BENCH - CURBSIDE INTERIOR (RED)

Y___N___

A removable net shall be installed at the forward end of the curbside squad bench. The net shall be red in color and constructed of safety belt webbing material. The net shall be anchored to the curbside wall, ceiling, and the forward end of the squad bench into .50" thick aluminum tapping plates. The net shall be removable for cleaning, via the use of seatbelt type buckles.



<p>50-60-0629</p>	<p>FLOW METER, OXYGEN - THORPE STYLE One (1) Thorpe style oxygen flow meter (15LPM) shall be shipped loose with the completed vehicle.</p>	<p>Y ___ N ___</p>
<p>50-60-0652</p>	<p>OXYGEN SYSTEM, MANUAL SYSTEM The oxygen system shall be completely installed and include a pre-set oxygen regulator with a cylinder pressure gauge and a 200 PSI safety valve with all necessary piping and connections. The oxygen system shall be completely low pressure, and the regulator shall be fastened directly to the cylinder. The regulator shall be set to operate at approximately 50 PSI. The oxygen cylinder shall be installed so the system may be easily turned on and off at the main cylinder valve from the patient compartment. The oxygen cylinder shall be provided by the purchaser.</p> <p>The oxygen system monitor shall be readily available to the attendant while seated at the head of the cot as part of the microprocessor based electrical system. Flexible conductive oxygen hose with a minimum 900 lbs. burst rating shall be installed between the regulator and the oxygen receptacles. The system shall be tested and tagged in conformance with NFPA-56-F and KKK-A-1822F.</p> <p>The manual O2 system shall have flexible conductive oxygen hose with a minimum of 900 lb. burst rating installed between the O2 storage compartment and the oxygen receptacle(s). The system shall be tested and tagged in conformance with NFPA-56-F and KKK-A-1822F.</p>	<p>Y ___ N ___</p>
<p>50-60-0661</p>	<p>PADS, HEAD AND BACK Vinyl upholstered, foam cushioned head/back pads shall be installed as follows: the lower edge of the upper front wall cabinet (above the partition doorway or window), above the rear doors, above the side door, and on the street side wall behind and each side of the CPR seat. The pads shall be covered with a flame retardant color coordinated vinyl upholstery material.</p>	<p>Y ___ N ___</p>
<p>50-60-0709</p>	<p>SHARPS AND TRASH CONTAINERS - ACCESS THRU SQUAD BENCH LID A 6.9 qt. #BD5489 sharps container, and a 8 qt. trash container shall be installed in the forward end of the squad bench base. The containers shall be accessed through the squad bench lid, and covered with a 3/8" thick clear acrylic hinged lid with a biohazard warning label.</p>	<p>Y ___ N ___</p>
<p>50-60-0718</p>	<p>SQUAD BENCH FACE - VINYL FLOORING MATERIAL The face of the squad bench shall be covered with vinyl flooring material.</p>	<p>Y ___ N ___</p>
<p>50-60-0730</p>	<p>DOOR PANELS - MODULE PASSAGE DOORS - FULL LENGTH ALUMINUM - W/ACCESS PANELS The inner door panels shall be manufactured from aluminum, and covered with a washable sprayed-on multi-use polychromatic coating. The panels shall run the full length of the door and will contain a removable latch access panel.</p>	<p>Y ___ N ___</p>



50-60-0761	STAINLESS STEEL WALL PROTECTION - INTERIOR STREETSIDE A brushed stainless steel panel shall be provided on the street side wall from the bottom of the CPR seat -----	Y ___ N ___
50-60-0820	TURTLE TILE - SKID-RESISTANT MAT, CURBSIDE STEPWELL Skid resistant charcoal gray turtle tile matting shall be installed in the curbside step well. -----	Y ___ N ___
50-60-1601	OXYGEN OUTLET (1) LEFT WALL - OHIO MED - ACTION AREA One (1) Ohio Medical flush mounted, quick release wall outlet shall be installed in the forward street side cabinet action area. -----	Y ___ N ___
50-60-1640	OXYGEN OUTLET (1) RIGHT WALL - OHIO MED - HEAD SQ BENCH One (1) Ohio Medical flush mounted, quick release wall outlet shall be installed in the right wall above the head end of the squad bench. -----	Y ___ N ___
50-60-1680	OXYGEN OUTLET (1) CEILING - OHIO MED - ABOVE HEAD OF COT One (1) Ohio Medical flush mounted, quick release oxygen outlet shall be installed in the ceiling above the head of cot in the center mount position. -----	Y ___ N ___
50-61-0001	ASSIST HANDLES, (6) BLACK RUBBER A total of six (6) 10-7/8" black vulcanized rubber with steel core assist handles shall be provided and installed: one (1) handle on each rear door, one (1) on the curbside door, one (1) at the curbside doorway and two (2) at the rear doorway. -----	Y ___ N ___
50-62-0301	COT FASTENER - STAT-TRAC SINGLE - CENTER POSITION CN8 COMPLIANT A Stat Trac, single-position (center mount) cot fastener shall be installed on the module floor to accommodate a Ferno series cot. 0.625" thick aluminum tapping plate(s) shall be installed below the aluminum floor to secure the cot floor mounting plates. -----	Y ___ N ___
CPROP3	SEATING - CPR - EVS WITH V4 HARNESS A CPR seat shall be installed on the street side of the patient compartment aft of the main action area counter. The CPR seat shall be KKK-A-1822F Change Notice 8 compliant with V4 harness style shoulder / seat belt and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The head pad and back pad will be constructed of energy absorbing material. The seat bottom, backrest, and headrest shall be padded and covered with color coordinated, cushioned vinyl. -----	Y ___ N ___
IC2-2001	INTERIOR CURB TYPE1 -----	Y ___ N ___



IF2-2001	INTERIOR FRONT TYPE1 -----	Y___N___
IR2-2001	INTERIOR REAR TYPE1 -----	Y___N___
IS2-2001	INTERIOR STREET TYPE1 - WITH CPR Interior Streetside layout, Type3 - with CPR. -----	Y___N___
SQ-BN-BASE	SQUAD BENCH BASE W/STORAGE A storage area shall be provided in the squad bench base. The squad bench base shall be constructed of .090" thick aluminum for maximum storage capacity and minimum weight. The interior of the squad bench shall be sprayed with sound absorbing polyurethane material. -----	Y___N___
SQSTOP3	SEATING - CN8 COMPLIANT TWO (2) EVS V4 A Squad bench seat with two (2) EVS individual seating positions will be installed on the curb side of the patient compartment. The squad bench seat shall be KKK-A-1822F Change Notice 8 compliant with (2) V4 harness style shoulder / seat belts and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The headrest and backrest will be constructed of energy absorbing material. The seat bottom, backrest, and headrest shall be padded and covered with color coordinated, cushioned vinyl material. -----	Y___N___
TD2-2001	INTERIOR CEILING TYPE1 -----	Y___N___

Paint / Graphics

Item Number	Name	
60-01-0001	PAINT PROCEDURE All non-anodized aluminum module body surfaces shall be completely chemically steam cleaned, filled with premium body filler as needed, sanded smooth and primed with an epoxy primer and then primed again with a high solid primer. The cured primer surfacer shall be DA sanded with 320 grit and cleaned. A high solid primer shall then be applied, where needed, as a sealer.	Y___N___
60-01-0002	PAINT MODULE - OEM WHITE PLUS CLEAR COAT The module shall be painted with a low voc Axalta polyurethane paint, to match the OEM chassis color, at a dry thickness of no less than 2 to 2.5 mils. The entire module shall be clear-coated, using an Axalta Process, sprayed over the final paint coat.	Y___N___



60-01-0004	BUFFING, PAINT - MODULE The paint on the module sides shall be buffed to a high shine using a recommended paint buff system. -----	Y ___ N ___
60-01-0005	STANDARDS AND SPECIFICATIONS FOR VEHICLE PAINT APPEARANCE Standards and Specifications for Vehicle Paint Appearance 1. PURPOSE: To provide cosmetic standards that represent a common language and set of shared expectations of the appearance quality the Bidder's vehicle. This and associated documents define the appearance acceptability and non-acceptability criteria for the Bidder's Ambulance. These standards represent a realistic balance between our Customer expectations and the derived output from our current manufacturing process. Any output required beyond these objectively based requirements requires extraordinary means and comes with associated costs and timing. 2. SCOPE: These standards apply to all of the Bidder's vehicles being produced beginning in calendar year 2016. 3. DEFINITONS: 3.1 Class A Surfaces are defined as: A. Highly Visible or reflective surfaces that cause the viewer's eye to focus on that area of the vehicle. B. The exterior of the vehicle from 36 inches off of the ground to 96 inches off of the ground. C. Areas that passengers of the vehicle would view in a normal viewing direction of (+/- 45 degrees) and a distance of (24 Inches – 36 inches). 3.2 Class B Surfaces are defined as; A. Less visible area that is viewed as a general area. This would include areas beyond the normal viewing direction as specified in Class A surfaces including those higher than 96 inches off of the ground or lower than 36 inches off of the ground. B. Another description would include areas seen peripherally. C. Any area that must be viewed at an unusual angle. 3.3 Class C Surfaces are defined as; A. Any area that must be viewed by close inspection. B. This would include the roof area of a cab. C. Any area that would be visible less than 1% of the time such as door jams or the back of doors including those on the module 3.4 Class D Surfaces are defined as; A. Areas that the consumer will be unable to evaluate without removal of other component parts. B. Any area that must be viewed at an abnormal or unusual angle. C. Any area that can only be seen when lying on the ground, from under the vehicle, or require a ladder to see, such as the roof. 4. PROCEDURE: 4.1 General Inspection Requirements: A. Cosmetic inspection by the Bidder or its suppliers shall use the TIME and DISTANCE method of inspection as described in different sections of this document. B. The Cosmetic standards defined in this document shall be used for training personnel, checking surface quality produced by any process and used in making "Accept/Reject" decisions. 4.2 Viewing Conditions:	Y ___ N ___



A. All visual inspection will be made under normal artificial lighting, unaided and viewed in a manner that duplicates the typical end use of the vehicle. During cosmetic inspection, only visual qualities (appearance) of the part surface shall be considered. surfaces shall be viewed without the aid of magnification, at an angle approx. 45° to normal of the surface to be inspected.

4.3 The following are Inspection criteria:

- A. Inspection shall be conducted using the unaided eye.
- B. Viewing distance shall be 18" or 24" as specified by surface class.
- C. Viewing angle shall be at a minimum of 45° to the surface.
- D. Light source shall be fluorescent light; the light source shall provide optimal viewing and minimized glare and shadowing of the vehicle.
- E. Where subjectiveness intervenes in the assessment, form/fit/function shall take precedent.

4.4 The following table shall be used to determine viewing distance and duration:

Codes:	Class A	Class B	Class C	Class D
Viewing Distance:	18 inches	18 inches	24 inches	24 inches
Viewing Time:	10 seconds	5 seconds	3 seconds	3 seconds
Viewing Area:	50 Inches SQD	50 Inches SQD	50 Inches SQD	50 Inches SQD

4.5 Conditions and Acceptance Criteria

A. The total number of defects per surface shall not exceed the acceptable limit.

4.6 Specific boundary samples are logged in the Bidder's Database and reviewed annually at a minimum for applicability.

4.7 These standards do not apply to an OEM chassis in which cased, OEM acceptance standards apply unless it has been quoted to meet the Bidder's Appearance Standards.

4.8 Any OEM chassis painted by the Bidder will conform to the original OEM acceptance standards unless it has been quoted to meet the Bidder's Appearance Standards.

Specification Limits For Vehicle Appearance (Exterior)

ITEM "A" Surface "B" Surface "C" Surface "D" Surface

Bare Substrate NOT ALLOWED NOT ALLOWED NOT ALLOWED NOT ALLOWED

Pin Hole/Solvent Pop .5 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT 1.0 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT 1.5 mm max. size/2 per 50 inches Squared /must be a minimum of 25 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT 2.0 mm max. size/3 per 25 inches Squared / must be 12 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT

Chips/Damage NOT ALLOWED NOT ALLOWED NOT ALLOWED NOT ALLOWED

Cracking NOT ALLOWED NOT ALLOWED NOT ALLOWED NOT ALLOWED

Fish Eyes NOT ALLOWED NOT ALLOWED NOT ALLOWED Must match Boundry Sample

Dings NOT ALLOWED NOT ALLOWED NOT ALLOWED NOT ALLOWED

Dirt - Must "feel" flat .5 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart 1.0 mm max. size/1 per 50 inches Squared



/must be a minimum of 50 inches apart 1.5 mm max. size/1 per 50 inches
 Squared /must be a minimum of 25 inches apart 2.0 mm max. size/ 3 per
 25 inches Squared / must be 12 inches apart
 Dry Spray NONE ALLOWED NONE ALLOWED NONE ALLOWED Must match
 Boundry Sample
 Mottling - Color Specific Must match Boundry Sample Must match Boundry
 Sample Must match Boundry Sample Must match Boundry Sample
 Off Color to Cab or other Module elements Visually acceptable to the
 Master Plaque or the Delta E is not greater than 1.5 Visually acceptable to
 the Master Plaque or the Delta E is not greater than 1.5 Visually acceptable
 to the Master Plaque or the Delta E is not greater than 1.5 Visually
 acceptable to the Master Plaque or the Delta E is not greater than 1.5
 Orange Peel Equivalent to # 10 panel MIN. Equivalent to # 10 panel MIN.
 Equivalent to # 10 panel MIN. Equivalent to # 7 panel MIN.
 Overspray NONE ALLOWED NONE ALLOWED NONE ALLOWED Must match
 Boundry Sample
 Paint Drops/Drips NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE
 ALLOWED
 Pits/Porosity NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE
 ALLOWED
 Crooked Mask Lines NONE ALLOWED NONE ALLOWED NONE ALLOWED
 NONE ALLOWED
 Burn Through NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE
 ALLOWED
 Sags/Runs NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE
 ALLOWED
 Scratches NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE
 ALLOWED
 Polishing Swirls (Scratches) Minimal amount of micro scratches from
 polishing are acceptable, must not be felt or able to be seen from 24 inches
 Minimal amount of micro scratches from polishing are acceptable, must
 not be felt or able to be seen from 24 inches Minimal amount of micro
 scratches from polishing are acceptable, must not be felt or able to be seen
 from 24 inches Minimal amount of micro scratches from polishing are
 acceptable, must not be felt or able to be seen from 24 inches
 Shrinking NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE
 ALLOWED
 Thin Paint NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE
 ALLOWED
 Water Spots/Rinse Blisters NONE ALLOWED NONE ALLOWED NONE
 ALLOWED NONE ALLOWED
 Wet Mark NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE
 ALLOWED
 Wrinkling NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE
 ALLOWED

Specification Limits For Vehicle Appearance (Interior)



ITEM "A" Surface "B" Surface "C" Surface "D" Surface
Bare Substrate NOT ALLOWED NOT ALLOWED NOT ALLOWED NOT ALLOWED
Pin Hole/Solvent Pop NOT ALLOWED NOT ALLOWED NOT ALLOWED N/A
Chips/Damage NOT ALLOWED NOT ALLOWED NOT ALLOWED N/A
Cracking NOT ALLOWED NOT ALLOWED NOT ALLOWED N/A
Dirt - Must "feel" flat NOT ALLOWED NOT ALLOWED 1mm in diameter or 1.5mm surface area (L x W) at a minimum of 400 mm apart.
N/A
Dry Spray NOT ALLOWED NOT ALLOWED ALLOWED N/A
Off Color to other Module elements NOT ALLOWED NOT ALLOWED NOT ALLOWED N/A
Overspray NOT ALLOWED NOT ALLOWED ALLOWED N/A
Paint Drops/Drips NOT ALLOWED NOT ALLOWED 1mm in diameter N/A
Pits/Porosity NOT ALLOWED NOT ALLOWED NOT ALLOWED N/A
Crooked Mask Lines NOT ALLOWED NOT ALLOWED NOT ALLOWED N/A
Sags/Runs NOT ALLOWED NOT ALLOWED SAG - 2mm Wide by 2mm Long by .5mm High MAX / RUN - 3mm WIDE by 2mm Long by .5mm High MAX
N/A
Scratches NOT ALLOWED NOT ALLOWED NOT ALLOWED N/A
Shrinking NOT ALLOWED NOT ALLOWED NOT ALLOWED N/A
Thin Paint NOT ALLOWED NOT ALLOWED NOT ALLOWED N/A
Wrinkling NOT ALLOWED NOT ALLOWED NOT ALLOWED N/A

ITEM "A" Surface "B" Surface "C" Surface "D" Surface
Bare Substrate NOT ALLOWED NOT ALLOWED NOT ALLOWED NOT ALLOWED
Pin Hole/Solvent Pop .5 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT 1.0 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT 1.5 mm max. size/2 per 50 inches Squared /must be a minimum of 25 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT 2.0 mm max. size/3 per 25 inches Squared / must be 12 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT
Chips/Damage NOT ALLOWED NOT ALLOWED NOT ALLOWED NOT ALLOWED
Cracking NOT ALLOWED NOT ALLOWED NOT ALLOWED NOT ALLOWED
Fish Eyes NOT ALLOWED NOT ALLOWED NOT ALLOWED Must match Boundary Sample
Dings NOT ALLOWED NOT ALLOWED NOT ALLOWED NOT ALLOWED
Dirt - Must "feel" flat .5 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart 1.0 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart 1.5 mm max. size/1 per 50 inches Squared /must be a minimum of 25 inches apart 2.0 mm max. size/ 3 per 25 inches Squared / must be 12 inches apart
Dry Spray NONE ALLOWED NONE ALLOWED NONE ALLOWED Must match Boundary Sample



Mottling - Color Specific Must match Boundary Sample Must match Boundary Sample Must match Boundary Sample Must match Boundary Sample

Off Color to Cab or other Module elements Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5 Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5 Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5 Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5

Orange Peel Equivalent to # 10 panel MIN. Equivalent to # 10 panel MIN. Equivalent to # 10 panel MIN. Equivalent to # 7 panel MIN.

Overspray NONE ALLOWED NONE ALLOWED NONE ALLOWED Must match Boundary Sample

Paint Drops/Drips NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Pits/Porosity NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Crooked Mask Lines NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Burn Through NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Sags/Runs NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Scratches NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Polishing Swirls (Scratches) Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches

Shrinking NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Thin Paint NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Water Spots/Rinse Blisters NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Wet Mark NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Wrinkling NONE ALLOWED NONE ALLOWED NONE ALLOWED NONE ALLOWED

Gaps in Diamond Plate at intersection of Cab Steps N/A NONE ALLOWED N/A N/A

60-10-0108 CAB - OEM PAINT Y___N___

60-25-0101 REFLECTIVE - BLACK MATERIAL IN RUB RAILS Y___N___
 Rub rails shall incorporate a 5/8" wide black reflective scotchlite safety accent stripe.



60-30-0200	REFLECTIVE - DOOR REFLECTIVITY Reflective material (25" x 2.5" red/silver chevron style), meeting FMVSS 108 requirements, shall be installed on the lower interior stainless steel panel of each rear door and hinged side door. If a sliding side door is provided, it shall have a 1.50" x 40.00" white reflective stripe installed on the rear facing edge.	Y ___ N ___
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Vehicle Manuals

<i>Item Number</i>	<i>Name</i>	
80-20-0001	VEHICLE MANUALS (1) PACKAGE SET One (1) Delivery Manual Package shall be supplied with the vehicle, and shall include the following items: <ul style="list-style-type: none"> Ambulance manufacturer parts, service and operation manuals OEM chassis owner's guide Complete 12 VDC and 125 VAC wiring schematics for all included standard and optional systems Multiplex Electrical system programming - electronic media 	Y ___ N ___
90-10-0007	STATEMENT OF LIMITED WARRANTY NEW AMBULANCES	Y ___ N ___