



Bid Specification

Super Chief I International MV607 4x2

Reference: QUO0000001011 Rev: 0
Purchaser: Braun
Contact: Business Unit Test Contact
Address:

Telephone:

Name	Specifications
Super Chief	-73" Headroom -170"L Full Seam Welded Module



KKK Change Notice

Item Number	Name	
00-01-0001	GENERAL CONDITIONS	Y___N___
00-01-0019	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.	Y___N___
00-01-0020	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.	Y___N___
00-01-0022	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.	Y___N___



00-01-0023	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; 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. -----	Y____N____
00-01-0029	NO STS, HGAC, FSA, SOURCEWELL OR GPO CONTRACT REQUIRED -----	Y____N____
80-10-0000	KKK-A-1822F COMPLIANCE PACKAGE 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. -----	Y____N____
00-01-0018	BIDDER KKK-A-1822F CHANGE NOTICE 8 COMPLIANT 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. -----	Y____N____

Chassis

Item Number	Name	
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____
01-01-0275	TYPE I - AMBULANCE - SUPER CHIEF I - 73 INCH INTERIOR HEADROOM SPECIFICATION INTENT: Type I Medium duty 170-inch module, constructed with not less than 73.5-inch interior module height, an overall length of 292.5-inches, an overall width of 98-inches and an overall exterior height not to exceed 112-inches. -----	Y____N____
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____
19MV2607L	CHASSIS INTERNATIONAL MV607 175" WB 4X2 (108 C.A.) DIESEL ENGINE MV607 SBA LP (MV60H) • AXLE CONFIG: 4X2 • APPLICATION: Ambulance • MISSION: Requested GVWR: 20000. Calc. GVWR: 20000, Calc. Start / Grade Ability: 35.19% / 2.92% @ 55 MPH, Calc. Geared Speed: 90.6 MPH	Y____N____



- **DIMENSION:** Wheelbase: 175.00, CA: 107.90, Axle to Frame: 63.00
- **ENGINE, DIESEL:** Cummins B6.7 260} EPA 2017, 260HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM, Governed Speed, 260 Peak HP (Max)
- **TRANSMISSION, AUTOMATIC:** {Allison 2200 EVS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Park Pawl, with 26,000-lb GVW and GCW Max
- **CLUTCH:** Omit Item (Clutch Control)
- **AXLE, FRONT NON-DRIVING:** {Dana Spicer D800-F} I-Beam Type, 8,000-lb Capacity
- **AXLE, REAR, SINGLE:** {Dana Spicer S16-130} Single Reduction, 15,500-lb Capacity, 190 Wheel Ends Gear Ratio: 4.56
- **CAB:** Conventional, Day Cab
- **TIRE, FRONT:** (3) 245/70R19.5 Load Range H XZE (MICHELIN), 619 rev/mile, 75 MPH, All-Position
- **TIRE, REAR:** (4) 245/70R19.5 Load Range H XZE (MICHELIN), 619 rev/mile, 75 MPH, All-Position
- **SUSPENSION, REAR, AIR, SINGLE:** {International IROS} 12,000-lb Capacity, 5.3" Ride Height, with Shock Absorbers
- **PAINT:** Cab schematic 100WP/ Location 1: 9219, Winter White (Std)/ Chassis schematic N/A

Code Description

MV60H00 Base Chassis, Model MV607 SBA LP with 175.00 Wheelbase, 107.90 CA, and 63.00 Axle to Frame.

1570 TOW HOOK, FRONT (2) Frame Mounted

1ANA AXLE CONFIGURATION {Navistar} 4x2 Notes: Pricing may change if axle configuration is changed.

1CAA FRAME RAILS High Strength Low Alloy Steel (80,000 PSI Yield); 9.125" x 3.062" x 0.312" (231.8mm x 77.8mm x 8.0mm) with Transition to 6.500" x 3.062" x 0.312" (165.1mm x 77.8mm x 8.0mm) 388.4" (9864mm) Maximum OAL; For LP Chassis

1LNN BUMPER, FRONT Contoured, Steel, Chrome Plated

1WEH WHEELBASE RANGE 134" (340cm) Through and Including 197" (500cm)

2AEM AXLE, FRONT NON-DRIVING {Dana Spicer D800-F} I-Beam Type, 8,000-lb Capacity

3ADA SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 8,000-lb Capacity, with Shock Absorbers Includes: SPRING PINS Rubber Bushings, Maintenance-Free

4100 BRAKE SYSTEM, HYDRAULIC {Wabco} Split System, with Automatic Adjustment and Four Channel ABS

4732 DRAIN VALVE {Berg} with Pull Chain, for Air Tank



4EBT AIR DRYER {Bendix AD-IP} with Heater
4GAS BRAKE, PARKING {Bosch} DSSA Drum Type; 12" x 3", Spring Actuated;
For Hydraulic Brake Chassis with
Air Source; Activated by Parking Brake Knob on Instrument Panel;
Differential Mounted
4JNP BRAKES, FRONT, HYDRAULIC DISC Quadraulic; Four 70mm Diameter
Pistons
4NNL BRAKES, REAR, HYDRAULIC DISC Quadraulic; Four 70mm Diameter
Pistons
4SPN AIR COMPRESSOR {Cummins} 18.7 CFM, with Tank for Air Source on
Hydraulic Chassis, with Air Pressure
Gauge, Low Pressure Alarm and Wiring
4VJL AIR DRYER LOCATION Mounted Outside Left Rail, 51" Back of Cab
4VKV AIR TANK LOCATION (1) Mounted Inside Left Rail, Back of Cab
5708 STEERING COLUMN Tilting
5CAW STEERING WHEEL 4-Spoke; 18" Dia., Black
5PRG STEERING GEAR {TRW (Ross) TAS40} Power
6DGA DRIVELINE SYSTEM {Dana Spicer} SPL100, for 4x2/6x2
7BKY EXHAUST SYSTEM Single, Horizontal Aftertreatment Device, Frame
Mounted Under Right Rail Back of Cab,
Includes Single Short Horizontal Tail Pipe
7WZX SWITCH, FOR EXHAUST 3 Position, Momentary, Lighted Momentary,
ON/CANCEL, Center Stable, INHIBIT
REGEN, Mounted in IP Inhibits Diesel Particulate Filter Regeneration When
Switch is Moved to ON While
Engine is Running, Resets When Ignition is Turned OFF
8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment
Includes
: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right
of Steering Wheel
: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
: STARTER SWITCH Electric, Key Operated
: STOP, TURN, TAIL B/U LIGHTS Dual, Rear, Combination with Reflector
: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for
Tractors, with Lane Change Feature
: TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals,
Solid State Flashers; Flush Mounted
: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature
(5 Pre-Set Delays), Integral with Turn Signal Lever
: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
: WIRING, CHASSIS Color Coded and Continuously Numbered
8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord
8GXK ALTERNATOR {Leece-Neville BLP4006HN} Brushless, 12 Volt 325 Amp.
Capacity, Pad Mount, with Remote
Sense
8HAB BODY BUILDER WIRING Back of Day Cab at Left Frame or Under
Sleeper, Extended or Crew Cab at Left



Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/
Backup/Accessory Power/Ground and
Sealed Connector for Stop/Turn
8MJT BATTERY SYSTEM {Fleetrite} Maintenance-Free, (2) 12-Volt 1900CCA
Total, Top Threaded Stud
8RMR RADIO AM/FM/CD/WB/Clock/Auxiliary Input
8RMZ SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual
Cone Mounted in Both B-Pillars
8TNR BATTERY CABLES with 36" of Extra Length Coiled and Strapped Near
Battery Box
8VAY HORN, ELECTRIC Disc Style
8VUL BATTERY BOX Steel, with Plastic Cover, 18" Wide, 2-4 Battery
Capacity, Mounted Left Side Back of Cab
8WBW JUMP START STUD Remote Mounted
Includes
: JUMP START STUD Mounted to Battery Box
8WGL WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest
Intermittent Speed When Park Brake Set and
Wipers Left on for a Predetermined Time
8WPB HEADLIGHTS Halogen, Composite Aero Design, with Daytime
Running Lights
8WPZ TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior
Lamps Except Back-up Lights
8WRB HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if
Windshield Wipers are turned on
8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt, Less
Thermal Over-Crank Protection
8WWJ INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8XAH CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip
Indicators, Replaces All Fuses
8XHN HORN, AIR Black, Single Trumpet, with Lanyard Pull Cord
8XKM SWITCH, AIR HORN, PASSENGER Fire Truck Application; Momentary
Switch Located in Instrument Panel
Close to Passenger, Driver Also To Activate Switch with Lanyard
9AAB LOGOS EXTERIOR Model Badges
9AAE LOGOS EXTERIOR, ENGINE Badges
9HAN INSULATION, UNDER HOOD for Sound Abatement
9HBM GRILLE Stationary, Chrome
9HBN INSULATION, SPLASH PANELS for Sound Abatement
9WAY FRONT END Tilting, Fiberglass, with Three Piece Construction
10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100
Includes
: PAINT SCHEMATIC ID LETTERS "WP"
10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
11001 CLUTCH Omit Item (Clutch Control)
12703 ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40
Degrees C, Freeze Protection
12849 BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9
Engines
Includes
: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door



12EJV ENGINE, DIESEL {Cummins B6.7 260} EPA 2017, 260HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 260 Peak HP (Max)

12TSY FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On
Includes
: FAN Nylon

12UYE RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, with 313 SqIn Charge
Air Cooler. with In-Tank Transmission Cooler
Includes
: DEAERATION SYSTEM with Surge Tank
: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps
: RADIATOR HOSES Premium, Rubber

12VBR AIR CLEANER with Service Protection Element

12VGY FEDERAL EMISSIONS {Cummins B6.7} EPA, OBD and GHG Certified for Calendar Year 2019

12VXU THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel

12WPV OIL PAN 15 Quart Capacity, For Cummins ISB/B6.7 Engines

12WZD EMISSION COMPLIANCE Engine Shutdown System Exempt Vehicles, Complies with California Clean Air Regulations

12XAT ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; with Ignition Switch Control for Cummins ISB/B6.7 or ISL/L9 Engines

13ATE TRANSMISSION, AUTOMATIC {Allison 2200 EVS} 5th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Park Pawl, with 26,000-lb GVW and GCW Max

13WLN TRANSMISSION OIL Synthetic; 20 thru 28 Pints

13WVS TRANSMISSION SHIFT CONTROL T-Handle Type

13WYY SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming

13XAL PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission

14897 DIFFERENTIAL, LOCKING Torque Proportioning Limited Slip

14899 SUSPENSION AIR CONTROL VALVE Pressure Release Control In Cab

14AJE AXLE, REAR, SINGLE {Dana Spicer S16-130} Single Reduction, 15,500-lb Capacity, 190 Wheel Ends . Gear Ratio: 4.56

14TBL SUSPENSION, REAR, AIR, SINGLE {International IROS} 12,000-lb Capacity, 5.3" Ride Height, with Shock Absorbers

14WAS SUSPENSION LEVELING VALVE Dual Height; One Additional, for Air Ride Suspension

15LMS FUEL/WATER SEPARATOR 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-in-Fuel Sensor, Cummins Supplied on Engine



15SWU FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 16" Tank Depth, 40 US Gal (151L), Mounted Left
Side, Under Cab
15WDG DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab
16030 CAB Conventional, Day Cab
Includes
: CLEARANCE/MARKER LIGHTS (5) Flush Mounted
16136 AIR CONDITIONER, PROVISION FOR Accommodation Package, for Air Conditioning, Includes Auxiliary
Compressor in Secondary Position and Compressor Drive Effects for Vehicle with Primary Compressor
Mounting
16BAM AIR CONDITIONER with Integral Heater and Defroster
16GDS GAUGE CLUSTER Premium Level; English with English Speedometer and Tachometer, for Hydraulic Brake
Chassis, Includes Engine Coolant Temperature, Auxiliary Air Pressure, Fuel and DEF Gauges, Oil Pressure
Gauge, Includes 5 Inch LCD Color Display
16HGH GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission
16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JNT SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber
Lumbar, with 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
16RPV SEAT, PASSENGER {National 2000} Air Suspension, High Back with Integral Headrest, Vinyl, Isolated, 1
Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Adjust
16SDC GRAB HANDLE, EXTERIOR (2) Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, for Cab Entry
Mounted Left and Right Side at B-Pillar
16SNR MIRRORS (2) C-Loop, Power Adjust, Heated, LED Clearance Lights, Bright Heads and Arms, 7.5" x 14" Flat
Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width
Notes
: Mirror Dimensions are Rounded to the Nearest 0.5"
16VAH CUP HOLDERS Omit, In Instrument Panel
16VBU ACCESS, CAB Steel, Driver Passenger Sides, Two Steps per Door, for use with Day Cab, Temporary Steps
on Passenger Side
16VKK CAB INTERIOR TRIM Diamond, for Day Cab
Includes
: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger
: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Reading Lights; Integral to Overhead Console, Center Mounted
: SUN VISOR (3) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side



16VLM CAB REAR SUSPENSION Rubber Suspension, for Low Cab Height

16WBY ARM REST, RIGHT, DRIVER SEAT

16WBZ ARM REST, LEFT, PASSENGER SEAT

16WJU WINDOW, POWER (2) and Power Door Locks, Left and Right Doors,
Includes Express Down Feature

16XJN INSTRUMENT PANEL Flat Panel

26DTX WHEEL, SPARE, DISC {Accuride 50180} 19.5x6.75 Rims, Powder Coat
Steel, 4-Hand Hole, 8-Stud, 275mm

BC, Hub-Piloted

27DTX WHEELS, FRONT {Accuride 50180} DISC; 19.5x6.75 Rims, Powder
Coat Steel, 4-Hand Hole, 8-Stud, 275mm

BC, Hub-Piloted, Flanged Nut, with Steel Hubs

28DTX WHEELS, REAR {Accuride 50180} DUAL DISC; 19.5x6.75 Rims,
Powder Coat Steel, 4-Hand Hole, 8-Stud,

275mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

29007 TIRE, SPARE Equal to Model Standard

60ACW BDY INTG, I/O EXP HARNESS {for Diamond Logic Builder} In-Cab
wire harness (DLB) program only, Includes

a harness with five blunt cut wires routed on lower left of instrument
panel. Two ground active inputs and two

(.5Amp) relay drivers outputs are provided

7689453253 (3) TIRE, FRONT 245/70R19.5 Load Range H XZE (MICHELIN),
619 rev/mile, 75 MPH, All-Position

7689453253 (4) TIRE, REAR 245/70R19.5 Load Range H XZE (MICHELIN),
619 rev/mile, 75 MPH, All-Position

Services Section:

40129 WARRANTY Standard for MV Series, Effective with Vehicles Built July
1, 2017 or Later, CTS-2020A

Install single split ping tank behind suspension on cross member and
replace factory bump stops

Programming

Modify exhaust to exit LH side (street side) in front of rear tires

Furnish Triangle Kit and Fire Extinguisher

Furnish TCCI A/C compressor tie-in parts

5 year transmission warranty

Move air dryer inside the frame rail on drivers side

Force match tire balance all tires and align the front axle. Radial run out
must be less than .030". Maximum allowable balance weight cannot exceed
2% of the dry tire and wheel weight. Must be done on Hunter Force
Balancer.

20-10-0101

AIR RIDE SYSTEM, AUTOMATIC LOWERING FEATURE - OEM

Y____N____

An OEM air-ride drive axle suspension system shall be installed to ensure
front-to-rear vehicle ride height consistency regardless of the distribution
of the load within the vehicle. Dual height control valves direct
appropriate pressure to the air springs. The system shall include an
automatic lowering feature, which is activated by opening the rear patient



	compartment doors. There shall be a switch near the rear doors which will defeat the lowering feature. -----	
20-10-0121	BUMP STOPS Bump stops shall be installed on the chassis to protect the air ride suspension air bags. -----	Y____N____
20-10-0213	BATTERY - TWO SYSTEM - MV607 The chassis shall have two (2) OEM maintenance free 12 volt batteries with 1850 cold cranking ampstotal. -----	Y____N____
20-10-0221	ADDITIONAL BATTERY NOT REQUIRED Additional battery not required -----	Y____N____
20-10-0404	SECONDARY COMPRESSOR The chassis shall be equipped with a separate engine mounted compressor to provide air conditioning to the patient compartment. -----	Y____N____
20-10-0603	ENGINE BLOCK HEATER - OEM PLUG An engine block heater shall be included in the chassis with the 125 VAC power cord, located under the hood. -----	Y____N____
20-20-0252	HEAT SHIELDS, PROTECTIVE 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. -----	Y____N____
20-20-0277	HIGH IDLE SYSTEM, AUTOMATIC An aftermarket auto high-idle system shall be provided on the chassis. The high-idle shall be programmed to activate when the transmission is placed in the park position and the parking brake is activated. The system will automatically go to high idle, but will adjust itself as needed for higher or lower idle. If the module heat or a/c is activated the high idle will be overridden to 1500 rpm -----	Y____N____
20-30-0211	MV607 - MIRRORS, 7.55 x 14.1 POWER-HEATED The chassis shall have (2) OEM exterior mirrors with power adjust, thermostatically controlled heatedheads. The mirrors shall be 7.55" x 14.1" flat glass; 7.48" x 6.77" convex glass both sides with LEDclearance lights, bright finish heads and arms, and black brackets. -----	Y____N____
20-30-0261	OEM AUTO-LOCK DISABLED (cab & module doors do not auto lock or unlock) The OEM auto-lock feature will be disabled. -----	Y____N____
20-30-0812	CAB STEPS - STAR PUNCHED DP - MV607 Exterior cab step covers shall be installed on the streetside and the curbside and shall be constructed of diamond plate material. The upper and lower step of each to include a star punched non-skid surface. The streetside cover shall be installed over the fuel tank area and the DEF tank. There shall be a flip down access panel to access the fuel tank and a cap	Y____N____



	shall secure the opening to the DEF tank. -----	
20-30-0914	STABILIZER BAR REAR - ROADMASTER - MV607 A ROADMASTER anti-sway bar system shall be installed on the rear chassis suspension to provide for improved vehicle stability and cornering control. -----	Y____N____
20-40-0208 20	OEM WHEELS - WITH VALVE STEM EXTENSIONS - MED DUTY The vehicle shall be provided with OEM wheels and valve extensions. -----	Y____N____
30-10-0030	BACKUP ALARM 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. -----	Y____N____
30-10-0753	SIREN, WHELEN 295-HFSA7-REMOTE WITH MICROPHONE (Meets CA Title 13) 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	Y____N____
30-10-0800	SIREN SPEAKERS, CAST PRODUCTS - IN FRONT BUMPER - MV607 Two (2) Cast Products 100-watt siren speakers shall be installed in the front bumper. -----	Y____N____
Electrical		
Item Number	Name	
125AA101	OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - LEFT WALL ACTION AREA 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". -----	Y____N____



125AA201	OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - LEFT WALL REAR ACTION AREA 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". -----	Y____N____
125IF201	OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - FRONT WALL CABINET 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". -----	Y____N____
12VAA101	OUTLET, 12VDC - ONE (1) - LEFT WALL ACTION AREA 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. -----	Y____N____
12VIF201	OUTLET, 12VDC - ONE (1) FRONT WALL - CABINET 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. -----	Y____N____
30-06-0004	ELECTRICAL SYSTEM - WELDON V-MUX, MICRO PROCESSOR BASED A Weldon V-MUX 100% solid state microprocessor based multiplex system shall be installed to control the electrical functions. The system shall include load management, load shedding, power modulation, load sequencing capabilities and provide on-board diagnostics with real-time status reporting. The system shall consist of one (1) color control console (Vista) in the cab, one (1) color control console (Vista) in the patient compartment, 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. -----	Y____N____
30-06-0010	VISTA IV MCC - PUSH BUTTON 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. -----	Y____N____



30-06-0015	VISTA IV ACP - PUSH BUTTON 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. -----	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___
30-06-0400	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. -----	Y___N___
30-06-0450	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. -----	Y___N___
30-06-0475	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. -----	Y___N___
30-06-0500	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. -----	Y___N___
30-06-0525	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. -----	Y___N___
30-06-0550	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. -----	Y___N___
30-06-0575	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. -----	Y___N___
30-10-0050	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. -----	Y___N___
30-10-0071	CAMERA REAR VIEW - SINGLE SYSTEM - VISTA SCREEN A color camera system connected to the cab Vista display screen shall be installed, providing rear view monitoring to the rear exterior of the module. The camera shall be connected to the video input provided in the cab's Vista screen. This camera image shall automatically be displayed on	Y___N___



the MCC Vista when the vehicle is placed in reverse. The Vista shall resume normal operation when the vehicle is taken out of reverse.

30-10-0110

ELECTRICAL CIRCUITS

Y____N____

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.

30-10-0190

GROUND FAULT CIRCUIT INTERRUPTER-GFCI

Y____N____

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.

30-10-0299

LIGHT, ATTENDANT CONTROL PANEL AREA - LED - WARM WHITE

Y____N____

A Tecniq Silho-X 2.75" round warm white LED light with SS trim ring, shall be mounted above the left wall forward action area counter. The light shall be operated through the a button on the ACP Vista screen labeled "Attendant Light"

30-10-0310

LIGHT, LED ELECTRICAL COMPARTMENT -PDQ

Y____N____

A 12 VDC light shall be located in the electrical compartment. The light shall be wired "battery-hot" to activate when the power distribution quarter's door is in the open position. The light shall be off when the door is in the closed position.

30-10-0410

LIGHTS, OSS COMPARTMENTS - INCANDESCENT

Y____N____

The outside storage compartments shall be equipped with Truck-Lite brand incandescent lights, activated by magnetic switches. (compartments #1, #2, #3, and #4, each contain two (2) clear 4" round lights, and compartment #5 shall contain two (2) 2-1/2" clear round lights)

30-10-0585

USB - DUAL OUTLET, ONE (1) INTERIOR LOCATED ON CONSOLE

Y____N____

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...

30-10-0657

RADIO ANTENNA BASES - TWO (2)

Y____N____

Two (2) antenna bases with attached coax cables shall be installed on the module roof. The coax cables shall terminate in the PDQ. Access to the antenna bases shall be through adjacent module interior dome lights.

30-10-0901

SYSTEM ACTIVE AND CHECK OUT LIGHTS - 15 MINUTES

Y____N____

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. -----	
30-10-1007	BRAKE OVERRIDE NOT REQUIRED Brake override not required. -----	Y____N____
30-11-0106	LIGHTS, DOME LED (8) WHELEN SUPER LED Eight (8) Super LED dome lights, Whelen #80C0EHCR, shall be provided in the patient compartment. The dome lights shall be controlled by separate switches for the left bank and right bank of lights. The dome lights shall be activated by switches on both the attendant control panel and the master control console. The dome lights shall be illuminated at 50% power whenever the patient compartment side or rear doors are opened. -----	Y____N____
30-11-0152	LIGHTS, RIDGEBACK LED PANEL (3) STREETSIDE - ANGLED Three (3) LED lights shall be mounted on the angled panel above the streetside interior cabinets. These lights shall be three way switched from the attendant control panel and the master control console. -----	Y____N____
30-11-0176	LIGHTS, RIDGEBACK LED PANEL (2) CURBSIDE - ANGLED Two (2) LED lights shall be mounted on an angled panel located above the curbside seating area. These lights shall be three way switched from the attendant control panel and the master control console. -----	Y____N____
30-12-0031	RECEPTACLE SHORELINE INLET-20 AMP, NON-AUTO EJECT A 125 VAC 20 amp non-auto eject shoreline inlet receptacle shall be installed. The receptacle cover shall be gray. A mating connector shall be shipped loose. The shoreline inlet receptacle shall be located on the forward left exterior near the driver's door, and shall be connected to the lighted patient compartment 125 VAC outlet. -----	Y____N____
USBAA101	OUTLET, USB - ONE (1) DUAL - LEFT WALL ACTION AREA 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... -----	Y____N____

Exterior Lighting

<i>Item Number</i>	<i>Name</i>	
30-06-0410	WARNING LIGHTS FLASH PATTERN SIGNAL ALERT 75 - MULTIPLEX ELECTRICAL SYSTEM 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. -----	Y____N____
30-25-0122	LIGHTS, ICC / LED CLEARANCE - ON MODULE FRONT - TECNIQ 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. -----	Y____N____



30-25-0123	LIGHTS, ICC / LED CLEARANCE - ON MODULE REAR - TECNIQ 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. -----	Y____N____
30-26-3008	LIGHTS, REAR TAIL - WHELEN 600 LED STOP, TURN, & MINIMUM INTENSITY BACK-UP 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. -----	Y____N____
30-26-7002	LIGHT, LICENSE PLATE LED - WHELEN OACOEDCR 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. -----	Y____N____
30-27-1102	LIGHTS, ICC / LED CLEARANCE - ON MODULE SIDE - TECNIQ 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. -----	Y____N____
ClearLENS	CLEAR LENSES ON ALL WARNING LIGHTS All warning lights to have clear lenses -----	Y____N____
FIL07F0002	LIGHTS FRONT INTERSECTION - 2 WHELEN 700 LED NOTE: When vehicle is placed in park, the override switch must be on for intersection light(s) to remain on. -----	Y____N____
FILCLR1R	FRONT INTERSECTION LIGHT LOCATION 1 - RED The warning light located on front of the chassis fender in location 1 shall be red. -----	Y____N____
FILCLR2R	FRONT INTERSECTION LIGHT LOCATION 2 - RED The warning light located on front of the chassis fender in location 2 shall be red. -----	Y____N____
FWL090004	LIGHTS FRONT MODULE - 4 WHELEN 900 SUPER LED Four (4) Whelen 900 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". -----	Y____N____
FWLCLR1R	FRONT WARNING LIGHT LOCATION 1 - RED The warning light located on the upper front of the module in location 1 shall be red. -----	Y____N____
FWLCLR2R	FRONT WARNING LIGHT LOCATION 2 - RED The warning light located on the upper front of the module in location 2 shall be red. -----	Y____N____
FWLCLR3R	FRONT WARNING LIGHT LOCATION 3 - RED The warning light located on the upper front of the module in location 3 shall be red. -----	Y____N____



FWLCLR4R	FRONT WARNING LIGHT LOCATION 4 - RED The warning light located on the upper front of the module in location 4 shall be red. -----	Y___N___
GWL050002	LIGHTS GRILLE - 2 WHELEN 500 SUPER LED Two (2) 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". -----	Y___N___
GWLCLR1R	GRILL WARNING LIGHT LOCATION 1 - RED The warning light located on the grill in location 1 shall be red. -----	Y___N___
GWLCLR2R	GRILL WARNING LIGHT LOCATION 2 - RED The warning light located on the grill in location 2 shall be red. -----	Y___N___
RCL090001	LIGHTS REAR MODULE, UPPER CENTER - 1 WHELEN 900 LED One (1) Whelen 900 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___
ROL090002	LIGHTS REAR MODULE, UPPER OUTER - 2 WHELEN 900 LED Two (2) Whelen 900 series super LED warning light with chrome bezels shall be installed on the upper rear of the module, in the outer location. 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 ____
RS090002	LIGHTS REAR SCENE - 2 WHELEN 900 24 DIODE LED Two (2) Whelen 900 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". -----	Y ____ N ____
SS090004	LIGHTS SIDE SCENE - 4 WHELEN 900 24 DIODE LED 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". -----	Y ____ N ____
STRPTRN	STRAIGHT PATTERN WARNING LIGHTS -----	Y ____ N ____
SWL090004	LIGHTS SIDE WARNING - 4 WHELEN 900 SUPER LED 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". -----	Y ____ N ____
SWLCLR1R	SIDE WARNING LIGHT LOCATION 1 - RED The warning light located on side of the module, in outer location 1 shall be red. -----	Y ____ N ____
SWLCLR2R	SIDE WARNING LIGHT LOCATION 2 - RED The warning light located on side of the module, in outer location 2 shall be red. -----	Y ____ N ____
SWLCLR3R	SIDE WARNING LIGHT LOCATION 3 - RED The warning light located on side of the module, in outer location 3 shall be red. -----	Y ____ N ____
SWLCLR4R	SIDE WARNING LIGHT LOCATION 4 - RED The warning light located on side of the module, in outer location 4 shall be red. -----	Y ____ N ____
WL090002	LIGHTS REAR WINDOW - 2 WHELEN 900 SUPER LED 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	Y ____ N ____



	console, labeled "Flashers". -----	
WLCLR1R	WINDOW LEVEL LIGHT LOCATION 1 - RED The warning light located on rear of the module at window level, location 1 shall be red. -----	Y____N____
WLCLR2R	WINDOW LEVEL LIGHT LOCATION 2 - RED The warning light located on rear of the module at window level, location 2 shall be red. -----	Y____N____
Module Features / Exterior		
Item Number	Name	
39-00-0001	MODULE BODY CONSTRUCTION - SEAMLESS The module shall be fabricated entirely of parts cut and formed from .125" (minimum) thickness 5052-H32 flat aluminum sheet stock, using CNC machines capable of .0004" repeatability. This is the only alloy that may be used for body parts that are welded together. 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. 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. No VHB bonding tape or other adhesives shall be used in the construction of the ambulance module.	Y____N____
39-00-0002	SOLE SOURCE MODULE BODY CONSTRUCTION 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.	Y____N____
39-00-0005	AWS ALUMINUM CERTIFIED WELDERS 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). -----	Y____N____
39-10-0003	CONNECTIONS, MODULE The module shall be bolted to the chassis frame rail with (12) 5/8" -11 grade 8 bolts through OEM rubber insulating spacers installed on outriggers at twelve (12) separate locations (six each frame rail), providing noise insulation and easy removal for chassis replacement. The frame mounting	Y____N____



	bolts shall be properly torqued and secured with locktite. The system used for fastening the module to the frame shall be that approved by the chassis manufacturer.	
40-00-0009	ALUMINUM PARTS - MODULE EXTERIOR All unpainted exterior aluminum parts shall be bright dip anodized after fabrication to retain the finish and increase corrosion resistance.	Y____N____
40-00-0010	CORROSION MINIMIZATION - MODULE All module contact with dissimilar metals shall be minimized with the use of nylon screw-hole inserts to prevent fastener contact with the module body, nylon hinge strips, ceramic coated stainless steel hinge bolts, and ECK brand corrosion inhibitor spray.	Y____N____
40-00-0019	DOOR SKINS, OUTSIDE STORAGE COMPARTMENTS - DIAMOND PLATE INTERIOR SKINS The interior door skins for all outside storage compartments shall be constructed of .063" thick aluminum diamond plate.	Y____N____
40-00-0020	DOOR CONSTRUCTION - GASKET PLACEMENT All exterior hinged module doors shall be constructed in an inverted pan-formed design. The pan shall be constructed from .125" thick 5052-H32 flat sheet aluminum. The exterior door skin shall be constructed of .190" thick aluminum and welded to the pan.	Y____N____
40-00-0030	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. EXTERIOR COMPARTMENTS DESIGN All exterior compartments shall include these features:	Y____N____
	• Sound absorbing slip resistant polyurethane material shall be sprayed on the inside of all compartments and compartment shelving, slide out trays and closeouts. • Baffled seep holes shall be provided to prevent water from splashing or seeping into the exterior compartments. • Full-length, two-way adjustable, stainless steel hinges on all exterior compartment doors with 3/16" stainless steel hinge pins. • Compartment doors shall be installed, flush with the module body. • When double doors are provided, each door shall have an exterior handle, but only the forward door shall be lockable. (rearward door is secured when forward door is locked). All exterior compartments and passage doors shall be keyed alike. • Lockable, Eberhard "free-floating" type chrome plated handles with rotary locks. A gasket shall be installed under each handle to protect the paint.	



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

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

LOWERED MODULE CURB SIDE

Y____N____

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.

40-10-0083

DOORS - REAR PASSAGE

Y____N____

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.

40-10-0103

FENDERETTES - POLISHED ALUMINUM

Y____N____

Polished aluminum fenderettes shall be installed around the rear wheel well openings.

40-10-0119

HOLD-OPEN - REAR DOORS - GRABBERS

Y____N____

Door grabbers (1 pair) with hard rubber inserts shall be installed on the rear doors, permitting a door hold open position of 130 degrees.

40-10-0130

EMERGENCY RELEASE LEVER, EXPOSED, REAR PATIENT PASSAGE DOORS

Y____N____

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.



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____
40-10-0321	STEPWELL, CURBSIDE DOORWAY - MID STEP AREA An aluminum diamond plate step well and mid-level step shall be installed in the curbside doorway threshold area. -----	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____



40-10-0381	TOW HOOKS, MODULE REAR Two (2) tow hooks shall be provided in the rear step area and shall be securely fastened to the rear step braces. -----	Y____N____
40-10-0505	WINDOWS, PASSAGE DOOR - (CURB SLIDING, REAR FIXED) 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. -----	Y____N____
EC7-1001	CURB EXTERIOR VIEW Curbside Exterior MV607: Please refer to completed drawing and the selected features for actual details of curbside exterior layout. -----	Y____N____
EF7-1001	FRONT EXTERIOR VIEW Front Exterior MV607: Please refer to completed drawing and the selected features for actual details of front exterior layout. -----	Y____N____
ER7-1001	REAR EXTERIOR VIEW Rear Exterior MV607: Please refer to completed drawing and the selected features for actual details of Rear exterior layout. -----	Y____N____
ES7-1001	STREET EXTERIOR VIEW - OSS #3 TALL DOOR Streetside Exterior MV607: Please refer to completed drawing and the selected features for actual details of Streetside exterior layout, OPTION 1. -----	Y____N____
OS1BB	OSS #1 - BACKBOARD - SCOOP STRETCHER STORAGE Outside storage compartment #1 shall provide storage for backboard / scoop stretcher. -----	Y____N____
OS1SCHOP1	OSS #1 - BACKBOARD/SCOOP STORAGE There shall be an outside storage compartment #1, Streetside forward, for backboard - scoop stretcher storage. -----	Y____N____
OS1SCHSTD	OSS #1 - STREETSIDE FORWARD #1 (forward street side compartment) shall have an 73.00" high x 18.25" wide clear door opening with 76.50" high x 24.50" wide x 21.75" deep interior dimensions. 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. -----	Y____N____
OS2SCHOP1	OSS #2 - (1) ADJUSTABLE SHELF There shall be an outside storage compartment #2, Streetside center, with one (1) adjustable shelf. -----	Y____N____
OS2SCHSTD	OSS #2 - STREETSIDE CENTER #2 (street side center compartment) shall have a 41.25" high x 34.75" wide clear door opening with double doors and shall have 44.50" high x 40.25" wide x 21.75" deep interior dimensions. One (1) fusee holder shall be -----	Y____N____



	installed on the inner door skin of the forward compartment door. The doors shall be held open with two (2) spring loaded gas cylinders. This double door compartment shall have a handle on each door, with the forward door handle to be locking.	
OS2SHELF1	OSS #2 - SHELF ONE (1) ADJUSTABLE WITH TRACK Outside storage compartment #2 shall contain one (1) adjustable shelf with track.	Y____N____
OS3SCHOP1	OSS #3 - (1) ADJ. SHELF WITH INSIDE/OUTSIDE ACCESS There shall be an outside storage compartment #3, Streetside rear, tall door, with one (1) adjustable shelf and inside outside access.	Y____N____
OS3SCHSTD	OSS #3 - STREETSIDE REAR TALL DOOR There shall be an outside storage compartment #3, streetside rear, with a hinged tall door and a locking handle.	Y____N____
OS3SHELF1	OSS #3 - SHELF ONE (1) ADJUSTABLE WITH TRACK Outside storage compartment #3 shall contain one (1) adjustable shelf with track.	Y____N____
OS402WELD	OSS #4 - OXYGEN STORAGE BRACKET WELDED IN FOR H OR M CYLINDER A bracket shall be welded in the OSS #4, right-hand side, to secure the oxygen cylinder. The bracket shall be CN9/CN12 compliant to meet J3043 requirements.	Y____N____
OS4BB	OSS #4 - BACKBOARD - SCOOP STRETCHER STORAGE Outside storage compartment #4 shall provide storage for backboard and a scoop stretcher.	Y____N____
OS4DIV1	OSS #4 - FIXED DIVIDER One (1) fixed divider with sprayed on polyurethane material shall be provided and installed in outside storage compartment #4.	Y____N____
OS4SCHOP1	OSS #4 - BACKBOARD AND OXYGEN STORAGE WITH FIXED DIVIDER There shall be an outside storage compartment #4, Curbside rear, with a vertical divider, providing storage for both an oxygen tank with a welded storage bracket, and a backboard.	Y____N____
OS4SCHSTD	OSS #4 - CURBSIDE REAR Rear curbside compartment #4, shall have split compartments (#4A / #4B), with an 73.00" high x 25.25" wide clear door opening. Compartment #4A shall have 76.50" high x 16.00" wide x 21.75" deep interior dimensions. This compartment shall provide storage for backboards and a scoop stretcher, and shall contain a strap. Compartment #4B shall have an 76.50" high x 13.50" wide x 13.00" deep interior dimensions with storage for one (1) "M" or "H" oxygen cylinder. A spring loaded hinged polycarbonate door shall be provided to allow access from inside the patient compartment to the oxygen cylinder valve. A 9-square inch vent shall be provided in the oxygen storage compartment to permit leaking gas to dissipate to the exterior of the vehicle. The oxygen cylinder shall be secured with a minimum of four (4) restraining devices, meeting AMD standard 028 and	Y____N____



SAE J3043. A cylinder changing wrench shall be provided and secured inside the oxygen cylinder compartment. 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. The oxygen cylinder shall be provided by the purchaser.

OS5SCHBAT

OSS #5 - CURBSIDE FORWARD BATTERY COMPARTMENT

Y___N___

A battery compartment to accommodate two (2) batteries, shall be located on the front curbside of the module, above the rubrail. The compartment shall be hinged on the forward edge, and have a slide out tray. A locking handle shall be installed on the exterior of the door.

OS5SCHOP1

OSS #5 - INSIDE/OUTSIDE ACCESS WITH (3) ADJUSTABLE SHELVES

Y___N___

There shall be an outside storage compartment #5, Curbside forward, with three (3) adjustable shelves, and inside / outside and a battery compartment located below.

OS5SCHSTD

OSS #5 - CURBSIDE FORWARD

Y___N___

There shall be an outside storage compartment #5, Curbside forward, with inside/ outside access and a hinged door with a locking handle.

Module Interior / Patient Compartment

Item Number	Name	
50-00-0202	ROUNDED INTERIOR CORNERS 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).	Y___N___
50-01-0408	LATCHES, CABINET, CN10 COMPLIANT AS APPLICABLE 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.	Y___N___
50-10-0229	LEFT WALL - ATTENDANT CONTROL PANEL - HINGED PANEL ANGLED WITH FLAT AREA A WELDON Vista Control Screen mounted on an angled flip – down panel secured with locking chrome lever latches The panel will be located to the immediate right of the attendant's seat. The forward portion of the panel will contain a flat area that may be used for future radio mounting, etc.	Y___N___
50-41-0219	HEAT/AC, PROAIR IW-5556 700 CFM BRUSHLESS BLOWER MOTOR (56,000 BTU heating / 55,000 BTU cooling) A ProAir 12V IW-5556 heater/air conditioner system with 56,000 BTU heating capacity and 55,000 BTU cooling capacity with a 700 CFM 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	Y___N___



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. The module heat and ac system shall be installed in the upper portion of the front wall. Four (4) adjustable heat/ac vents shall be located above the heater/ac.

50-41-1003

CONDENSER - MODULE FRONT, PROAIR 206, TOP CENTER MOUNT WITH
FLAT BRACKETS / 700 SERIES LIGHTS

Y____N____

A ProAir 206-50 001 720 dual coil / dual port AC condenser shall be installed on the top front center of the module: 40,000 BTU per coil, 1,960 CFM. Condenser shall be installed with aluminum mounting brackets. Condenser and brackets are to be painted to match the module. Condenser to be located per DWG #1. NOTE: Condenser mounted on the front of the module may affect front module lighting choices.

50-50-0118

SEATING - ATTENDANT - USSC VALOR R - BACK INTEGRAL CHILD, SWIVEL
SEAT CN8 COMPLIANT

Y____N____

A USSC Valor rear facing, R-back attendant seat with an integrated child seat shall be installed at the head of the patient cot. The attendant seat shall be a two (2) position swivel seat mounted on a pedestal base with a heavy duty seat frame for an ABTS (All Belts To Seat) application with four (4) point / four (4) retractors single click internal mount belt system. The seat shall be 20" wide with discontinuous recline and a 6" horizontal" slide for fore and aft adjustment(s). The seat shall be KKK-A-1822F Change Notice 8 compliant 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 sewn color matching vinyl upholstery.

50-50-0122

SEATING - ATTENDANT - SIDE MOUNT POSITION

Y____N____

The attendant seat shall be in a side mount position.

50-50-0503

SQUAD BENCH TOP - SPLIT WITH HINGED LID FORWARD WITH SHARPS /
TRASH ACCESS

Y____N____

The squad bench top and cushion shall be split into two (2) sections with separate hinged lids. The forward most section shall have the sharps and trash container installed in the squad bench base, with access via a separate hinged clear acrylic door on top of the bench. The squad bench



50-50-0541	cushion shall be covered with color coordinated vinyl upholstery material and sewn with seams only at the vertical corners to minimize entrapment of fluids. An automatic latching fastener shall be installed in both sections to secure the squad bench top and the lid in the closed position. 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.	Y____N____
50-51-1001	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.	Y____N____
50-51-1011	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 recessed to reduce the number of fasteners and provide a cleaner look.	Y____N____
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____
50-51-4050	COUNTER TOP ACCENT STRIPE NOT REQUIRED No counter access stripe	Y____N____
50-51-4112	COUNTER TOP - SOLID ACRYLIC - NIGHT STARS A solid acrylic counter top, Night Stars with a 1/2" lip shall be installed to prevent equipment from sliding off.	Y____N____



50-51-5001	UPHOLSTERY - PATRIOT PLUS CHARCOAL #8605 All cushions, head pads and seats shall be covered with Spradling International Patriot Plus Charcoal #8605 expanded vinyl upholstery material. The vinyl and all foam cushion material shall comply with FMVSS #302 flame spread requirements. -----	Y ____ N ____
50-51-6003	LONPLATE II, NON-SLIP EMBOSSED SM. GRID - GUNMETAL #424 The floor in the patient compartment shall be covered with Lonseal brand "Lonplate II" non-slip; small grid (embossed) Gunmetal #424, resilient sheet vinyl flooring material, which shall be coved 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 vented to the exterior of the vehicle. -----	Y ____ N ____
50-60-0220	EMBLEMS / SIGNS - REAR PATIENT COMPARTMENT Two (2) "No Smoking / Oxygen Equipped / Fasten Seat Belts" signs shall be provided. One (1) sign shall be installed in the cab and one (1) above the oxygen outlets in the patient compartment street side cabinet. -----	Y ____ N ____
50-60-0256	EXHAUST VENTILATOR, 3-SPEED - MULTIPLEX ELECTRIC SYSTEM A three-speed, 250 CFM (minimum) exhaust fan meeting KKK-A-1822F requirements shall be provided and located in the street side cabinet in the patient compartment. The exhaust fan shall be pulse width modulated from a switch on the attendant control panel vista screen. The exhaust system shall have a louvered grille inside and a chrome vent outside. The exhaust system shall vent through the side of the vehicle, not through the roof. -----	Y ____ N ____
50-60-0300	FLOOR CONSTRUCTION- PATIENT COMPARTMENT, NON-WOOD COMPOSITE The sub-floor in the patient compartment shall be constructed of .125" thick aluminum over .125" and .190" thick reinforcing hat sections and mounting laterals. The aluminum sub-floor shall be covered with a single piece of 3/4" non-wood composite material. All corner molding, edging and trim shall be anodized aluminum or stainless steel and shall be sealed to prevent fluids from seeping under the cabinets. -----	Y ____ N ____
50-60-0301	Wood floors are not satisfactory and shall not be accepted by the purchaser. FLOORING - COVE The patient compartment floor radius shall be coved with pre-formed floor coving material. The coving shall be installed behind the vinyl floor covering, along both the street side and curbside walls. -----	Y ____ N ____



50-60-0322	GLOVE DISPENSER - (3) BOX - ABOVE ENTRY DOOR - CURBSIDE (ABS) A three (3) - box glove dispenser unit, with a 1/4" clear acrylic hinged access panel with three (3) cut-outs, shall be recessed above the curbside entry door. The dispenser shall be 8.25" high x 33.50" wide with interior dimensions of 5.38" high x 30.25" wide x 3.25" deep. A 1/4" turn latch will be installed on the face of the glove box access panel.	Y____N____
50-60-0340	GRAB RAIL, 1-1/4" DIAMETER, (96") OVER COT AREA 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.	Y____N____
50-60-0391	HEADLINER - REAR PATIENT COMPARTMENT The headliner in the patient compartment shall be one-piece, seamless, .090 thick aluminum finished with sprayed-on multi-use polychromatic coating.	Y____N____
50-60-0431	IV HANGERS - CEILING RECESSED - CAST PRODUCTS #IV2008-1 (2) 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.	Y____N____
50-60-0629	FLOW METER, OXYGEN - THORPE STYLE One (1) Thorpe style oxygen flow meter (15LPM) shall be shipped loose with the completed vehicle.	Y____N____
50-60-0640	OXYGEN SYSTEM, ELECTRIC - MULTIPLEX ELECTRIC SYSTEM A 12 VDC controlled electric O2 system operated through the v-mux multiplex electrical system shall be provided and installed. 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. 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. The electric oxygen system shall be provided with an on/off switch on the attendant control panel. The emergency manual bypass valve shall be located near the oxygen storage compartment in the patient compartment.	Y____N____



50-60-0660	PADDED EDGING PROTECTION Padded corner edging shall be installed where necessary on exposed corners and edges in the patient compartment for patient and attendant protection.	Y___N___
50-60-0661	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.	Y___N___
50-60-0709	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.	Y___N___
50-60-0718	SQUAD BENCH FACE - VINYL FLOORING MATERIAL The face of the squad bench shall be covered with vinyl flooring material.	Y___N___
50-60-0730	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.	Y___N___
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)	Y___N___



	at the rear doorway. -----	
50-62-0302	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____
AA1SCHOP1	PRIMARY ACTION AREA WITH SUCTION CONTROL, 125VAC/12VDC/DUAL USB OUTLETS, OXYGEN OUTLET AND BYPASS, VISTA SCREEN ON AN ANGLED FLIP-DOWN PANEL -----	Y____N____
AA2SCHOP1	SECONDARY ACTION AREA WITH 125VAC OUTLET -----	Y____N____
CPROP1	SEATING - CPR - VALOR WITH 4PT BELTING 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 a VALOR A-VAL shelf mount back frame and internal bolsters. The seat belt shall consist of a single click, four (4) point / four (4) retractors, internal mount belt system. The seat shall conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seating configuration 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 VALOR A-VAL shelf mount back frame and the seat shall be padded and covered with cushioned, color coordinated, cut and sewn vinyl. -----	Y____N____
IC1SCHOP1	SHALLOW DEPTH CABINET WITH HINGED POLYCARBONATE DOOR, FULL LENGTH HANDLE, CENTER SQUEEZE LATCH, AND (4) ADJ. SHELVES Cabinet #1 shall be installed on the rearward curb side wall, and shall be of shallow depth with a hinged polycarbonate door, and four (4) adjustable shelves. The door shall have a full length handle with a center squeeze latch. -----	Y____N____
IC2SCHOP1	SQUAD BENCH WITH RECESSED SHARPS/WASTE AND (2) VALOR 4PT SEATS. SECOND PATIENT TRANSPORT ON THE SQUAD BENCH. The Curbside wall shall have a squad bench with two (2) Valor A-Val back 4pt seats, a split lid and storage, and a recessed sharps and trash container. -----	Y____N____
IC3SCHOP1	(2) ANGLED LED LIGHTS OVERHEAD WITH OXYGEN OUTLET MOUNTED TO THE WALL The Curbside overhead seating area shall contain two (2) angled, overhead LED lights , and an upper wall mounted oxygen outlet (no cabinet). -----	Y____N____



IF1SCHC1	CABINET - FRONT WALL, UPPER #1 - SLIDING DOORS Front wall interior cabinet #1 shall have a fixed frame with a set of sliding polycarbonate doors. Both doors shall have a full length handle with the outermost door to have a handle on both ends. The cabinet shall have one (1) adjustable shelf. -----	Y____N____
IF1SCHOP1	PROAIR 3856 HEAT/AC AND CABINET WITH SLIDING POLYCARBONATE DOORS WITH (1) ADJUSTABLE SHELF A ProAir 5556 Heat / AC system and a cabinet with sliding polycarbonate doors shall be installed in the upper front wall. -----	Y____N____
IF2SCHOP1	CABINET - UPPER/LOWER WITH HINGED POLYCARBONATE DOORS, CENTER SQUEEZE LATCHES, (1) ADJ. SHELF PER CABINET The interior lower front wall shall have two (2) cabinets located to the right, enclosed by hinged polycarbonate doors. One (1) 125VAC duplex outlet and one (1) 12VDC power point outlet shall be located inside the uppermost cabinet, upper right hand corner. -----	Y____N____
IF3PDQ	CABINET - PDQ 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 (2) two chrome locking lever latches and be shall located on the partition wall behind the attendant seat. -----	Y____N____
IF3SCHOP1	CABINET - VENTED RADIO CABINET PDQ ABOVE The Power Distribution Quarters (PDQ) compartment and a vented radio compartment below the PDQ, shall be located in front wall, left. -----	Y____N____
IF3SCHRAD	CABINET - FRONT WALL, LOWER BELOW PDQ (SINGLE VENTED DOOR) A radio cabinet with a vented, hinged aluminum door, secured by a chrome locking lever latch, shall be located on the front lower left wall. Door to open towards rear of the module. -----	Y____N____
IF4SCHOP1	PASS-THROUGH OPENING WITH HINGED DOOR The front wall shall have a partition doorway and a hinged door with window. -----	Y____N____
IF-CNT-NO	COUNTER TOP NOT REQUIRED -----	Y____N____
IS1SCHOP1	CABINET - FIXED FRAME WITH SLIDING POLYCARBONATE DOORS AND (1) ADJ. SHELF EACH SIDE OF CENTER DIVIDER The left wall, upper rear interior cabinet (#1) shall be enclosed by one (1) set of sliding polycarbonate doors attached to a fixed frame. The doors shall have full length handles with the outer most sliding door to have handles on both ends. The cabinet shall contain a center divider with one (1) adjustable shelf each side of center divider. -----	Y____N____
IS2SCHOP1	CABINET - FIXED FRAME WITH SLIDING POLYCARBONATE DOORS AND (1) ADJ. SHELF EACH SIDE OF CENTER DIVIDER -----	Y____N____



	The left wall, upper interior cabinet (#2), above the attendant control panel shall be enclosed by one (1) set of sliding polycarbonate doors, with a fixed frame. The doors shall have full length handles with the outer most sliding door to have handles on both ends. The cabinet shall contain a center divider with one (1) adjustable shelf, each side. -----	
IS3SCHOP1	CABINET - HINGED POLYCARBONATE DOORS WITH CENTER SQUEEZE LATCHES AND FULL LENGTH HANDLES, INSIDE/OUTSIDE ACCESS TO OSS #3 The left wall rear interior cabinet (#3) shall be enclosed by one (1) set of hinged polycarbonate doors with center squeeze latches and full length handles. This cabinet shall provide inside / outside access to OSS #3. (reference exterior outside storage compartment #3 in module section for shelving configurations) -----	Y____N____
IS4SCHOP1	CABINET - SLIDING POLYCARBONATE DOORS WITH (1) ADJUSTABLE SHELF The left wall interior cabinet (#4), below the secondary action area, shall be enclosed by a set of sliding polycarbonate doors attached to a fixed frame. The doors shall have full length handles and the outermost door to have handles on both ends. The cabinet shall contain one (1) adjustable shelf. -----	Y____N____
IS5SCHOP1	PULL-OUT DRAWER WITH HINGED ACRYLIC WRITING SURFACE AND LOCKING STAINLESS STEEL FLUSH PULL LATCH. RECESSED SSCOR SUCTION BELOW DRAWER The left lower wall shall have (1) one drawer (#5), aisle facing, installed in the primary action area under the attendant control panel. The drawer shall have a hinged acrylic writing surface and a locking stainless steel flush pull latch. A recessed SSCOR suction canister shall be located below the drawer. An SSCOR suction system with a 12 VDC electric vacuum pump shall be recessed into the street side lower interior wall near the attendant seat. The 12 VDC electric vacuum pump shall be mounted in the #2 outside storage compartment. The system shall be activated by a switch on the attendant control panel. The SSCOR vacuum pump exhaust shall be vented to the exterior of the vehicle. -----	Y____N____
IS-CNT2-ACR	COUNTER TOP, SOLID ACRYLIC - REAR ACTION AREA The countertop in the Rear Action area shall be solid acrylic. -----	Y____N____
IS-CNT-ACR	COUNTER TOP, SOLID ACRYLIC A solid acrylic counter top with a 1/2" lip shall be installed to prevent equipment from sliding off. The solid acrylic counter top shall be provided on both the primary and secondary action area counters, fore and aft of the CPR seat. -----	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____
SQSTOP1	SEATING - CN8 COMPLIANT TWO (2) VALOR A-VAL BACK A Squad bench seat with two (2) Valor A-Val Back individual seating positions will be installed on the curb side of the patient compartment. The	Y____N____



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.

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____
60-01-0004	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.	Y____N____



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:

- 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 NONE ALLOWED
 Wrinkling NONE ALLOWED 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

60-01-0007	PAINT MODULE - OEM WHITE The module shall be painted OEM white. The entire module shall also be clear-coated, using an Axalta Process, sprayed over the final paint coat. -----	Y____N____
60-10-0106	CAB - OEM PAINT The cab shall have OEM paint. -----	Y____N____
60-25-0101	REFLECTIVE - BLACK MATERIAL IN RUB RAILS Rub rails shall incorporate a 5/8" wide black reflective scotchlite safety accent stripe. -----	Y____N____
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____

Vehicle Manuals

Item Number	Name	
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: - 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____