

QUOTATION

FSA23-VEF17.0: Fire & Rescue Vehicles, Boats, & Eq

REV RTC - Spec 1- WC Ford F550 4 x 2 170"

Quote No: FSA1170F550-0002

Page 1

PART NO	DESCRIPTION	QTY
	== WC-Wheeled Coach Boilerplate - 1.048 02/17/23 ==	1
	ORDER COORDINATOR	1
00-00-0015	Order Coordinator - Factory to assign	1
	INFORMATION	1
00-01-1010	RFP - Request for Proposal	1
	A request for proposal (RFP) is issued at an early stage in a procurement process, where an invitation is presented for suppliers, often through a bidding process, to submit a proposal on a specific commodity or service. The RFP process brings structure to the procurement decision and is meant to allow the risks and benefits to be identified clearly up front	
00-01-4002	Florida Sheriff's Association (FSA)	1
00-01-4117	Manufacturer Certified ISO 9001	1
	WARRANTY	1
00-02-8710	WC, Warranty, Conversion, 12 Month	1
00-02-8720	WC, Warranty, Paint, 60 month Prorated, Standard	1
00-02-8730	WC, Warranty, Structural, 20 Years, Std., Mods	1
00-02-8740	WC, Warranty, Limited Electrical	1
00-02-8750	WC, Warranty, Cabinet Construction	1
	== WC-Type 1 170 Module - 1.048 02/17/23 ==	1
	CERTIFICATIONS REQUIRED	1
00-05-0050	This unit built in accordance with KKK-A-1822-F in effect on the date of order with exceptions as noted herein.	1
00-05-0100	MD, This unit built in accordance with KKK-A-1822F CN 10 Cabinet Requirements This unit as specified meets all requirements of KKK-A1822-F Change notice 10.	1
	All cabinets shall be labeled as to their capacity Rating.	
	01- CHASSIS REQUIREMENTS	1
	FORD CHASSIS	1
01-01-2529	WC, 2023 Ford F550, XLT 4X2, 193"W/B, 18,000 GVWR (Special Order) 2023-1 Auto throttle OEM Ford 410 Alternator OEM Ford Mirrors, OEM, Heated/Remote Cab seats OEM 40/20/40 split bench (Center removed) Sync 4 8" LCD Capacitive Touchscreen with Swipe Capability Wireless Phone connection AppLink w/app catalog 911 assist Apple carPlay and Android Auto Compatibility Digital Owners manual Smart-charging USB-C Ports (2)	1

PART NO	DESCRIPTION	QTY
01-02-0100	Domestic Chassis	1
	ALTERNATORS	1
01-03-1001	Alternator - Standard OEM	1
	SUSPENSION	1
01-07-6503	MD, Rear Suspension, Granning TransportMaster Air Ride, F550 Dump feature to be activated by the left rear entry door being opened.	1
	The rear suspension shall only lower the module when the vehicle is in neutral or park and the parking brake is set.	
	Send unit to muffler shop for relocation of exhaust	
01-07-9120	MD, Auto Dump w/override Sw, For Air Suspension w/ indicator Lt. dump feature to be activated by left rear entry door. Override switch to be on right rear entry door. Ignition switch hot, std.	1
	HIGH IDLE	1
01-13-1675	High Idle Controls, OEM	1
	FRONT END ALIGNMENT	1
01-17-7501	Front End Alignment, None- QC Check -Standard	1
01-19-0003	WC, Wheeled Coach Stainless Grille Logo, with Red Reflective backing Red reflective behind cut out.	1
	OUTSIDE REAR VIEW MIRRORS	1
01-20-0104	Mirrors, OEM-STD	1
	WHEEL COVERS	1
01-24-2024	MD, Wheel Covers, Delete & Paint Outside ONLY of Rim (per tire)	4
	BASE CONVERSION	1
01-45-0225	MD, Conversion, Type 1, 170 Module, F550 4x2 22-3	1
	MODULE BODIES:	1
02-01-2122	MD, Interior Headroom, 72 Inches	1
02-01-3124	MD, Module, Type 1, 170" Body Length, Duraseam Doors, 170" L x 95" W	1
02-01-3152	MD, Body Width 95" Standard	1
02-01-9564	MD, Aisle Space, 50", Type 1 (49-50" actual)	1
	Requires Rectangular stainless steel wheel well covers attached to squad bench and base wall cabinets that will protrude up to 1.5" into aisle way on each side.	
	03 - MODULE EXTERIOR	1
03-01-1501	MD, Type 1, General Body Construction Spec	1
03-01-1503	MD, Type 1, Vehicle Body Structure Spec	1
	EXTERIOR MODULE CONSTRUCTION	1
03-03-1040	MD, Stone Guard, Front, Diamond Plate, Type 1, Standard Height	1
	FUEL FILLS & SPLASH PLATE	1
03-03-8030	MD, Housing Fuel Fill, Cast Aluminum, Type 1	1
	DEF FILL HOUSING AND SPLASH PLATE	1
03-03-8615	MD, DEF Fill, Housing, For Ford F series	1
	REAR KICKPLATE	1
03-03-9066	WC, Rear Kick plate, Under-Ride Bumper, w/ Tag recess, No lights	1

PART NO	DESCRIPTION	QTY
	SUB-FLOOR SYSTEM	1
03-04-0166	MD, Flooring, 3/4" Marine Grade Plywood, Type 1	1
	MODULE ENTRANCE	1
03-05-0200	MD, Module Access, CS Door standard location	1
	MODULE DOORS, HANDLES & HOLD OPENS	1
03-06-0115	WC, Duraseam Hinged Doors with Hidden Jambs - Magnetic door switches, Standard	1
03-06-0713	MD, Hold Open Rear Entry Doors, (2) 5.5" Cast Grabber - Installed so doors will open as wide as possible - Mount at Bottom of doors.	1
03-06-0817	MD, Hold Open - Gas Strut, Curb Side Entry Door, 35# New Code Per ECN 1823	1
03-06-1027	WC, Patient Entry Door Handles, Trimark Black/Chrome Pull Handle w/"SafePass" With Round Push button Emergency release top and bottom of interior door panels.	1
03-06-1047	WC, Rear Entry Door Trailing Latch, Side release Paddle	1
03-06-4201	MD, Electrical Feed to Required Doors, Spring Protector (per Door)	1
	POWER DOOR LOCKS	1
03-06-6120	WC, Power Door Lock, Trimark, Each Entry Door	2
	Module entry doors.	
	Pick switches in 03-06-6130	
03-06-6121	WC, Power Door Lock, Trimark, Each Compartment Door	6
	All module compartments(except battery comp) . (unless other specified)	
03-06-6130	MD, Switch, Momentary Rocker,Activate Power Door Locks If 1) then Installed on C/S wall at head of S/B. If 2) 2nd located on right rear door	1
03-06-6137	MD, Relay Control Circuit, Power Door Locks	1
03-06-6140	MD, Circuit, OEM Door Lock to activate Mod Doors	1
	ENTRY DOOR INNER PANELS	1
03-06-7335	WC, Entry Door Panels, Durasafe, S/S,w/ Chevrons & Red Reflective LOGO - Durasafe Design - Aluminum Center Panels covered: white/red reflective tape - Logo to be cut in the lower entry door panel with a RED reflective 3M material (to match the chevron on the lock box) attached to an aluminum panel behind the logo.	1
	SIDE DOOR STEP	1
03-08-2112	MD, Side Entry Step Well, Type I, Aluminum Diamond Plate	1
03-08-3052	MD, Light, Side Entry Step well, Peterson, M126c	1
	WINDOWS	1
03-09-4109	MD, Window, Upper, CS/Slider, Rr/Fixed, Privacy Tint, PAN	1
	MODULE TO CHASSIS MOUNTING SYSTEM	1
03-10-1210	MD, Module to chassis mounting system, Type I	1

PART NO	DESCRIPTION	QTY
	CAB TO MODULE	1
03-11-2502	MD, Bellows, Pass thru, Unigrip, F1 2008+, With Aluminum cab insert.	1
	REAR BUMPER AND REAR STEP CONSTRUCTION	1
03-12-2503	MD, Rear Bumper w/ Skids & Flip Up, F1/C1, w/LED DOT lights w/ Gator Grip on flip up step. Lights in side of bumper pod Steady burn with lights on	1
03-12-2550	MD, Coating, Polyurethane, Rear Bumper Supports Black	1
	INSULATION	1
03-13-3006	MD, Insulation, Walls and Ceiling, R11 Fiberglass Batt	1
	RUB RAIL AND FENDER RINGS	1
03-15-6650	WC, Rub Rails, Skirt Line, Extruded "C" channel (E-one Style)	1
03-15-8356	MD, Fender Flare, Bright Finish Aluminum	1
	SPLASH GUARDS AND RUNNING BOARDS	1
03-16-1721	WC, Mud Flaps, Rear, w/ Wheeled Coach Logo	1
03-16-3605	MD, Running Boards, F450/550 w/Gator Grip	1
	DRIP RAILS	1
03-17-1020	MD, Drip Rail Trim Moldings Over Door Openings	1
	CAB TO PATIENT AREA ACCESS	1
03-19-2301	MD, Bulkhead, Unigrip, Type 1F/D, Pass Thru, w/ Sliding Lexan Window	1
	LICENSE PLATE HOLDER	1
03-20-4053	WC, License Plate Holder, Cast LP0002-1 for Under ride Bumper in rear kick plate, centered License holder comes with (2) LED lights.	1
	EXTERIOR COMPARTMENT CONSTRUCTION	1
04-01-0502	MD, Exterior Compartment, Std, Floor 2.5" Drop Down from Door Opening, Each compartments #2, #4, #6 and #6.5 are STD drop down floor	4
04-01-0504	MD, Exterior Compartment, Sweep out, Each - Compartments #1 and #8 are standard sweep out	2
04-01-3017	MD, Door Sill Protector, Stainless, All Comps Door Sill Protection - Install Stainless Steel sill protector on lower edge of all door frames to prevent paint damage	1
04-01-5106	MD, Polyurethane Coating per compartment light gray	6
	EXTERIOR COMPARTMENT DOORS	1
04-02-0506	WC, Compartment Comp Handle, Trimark, Oval Pull Handle, Black/Chrome	6
04-02-0514	WC, Compartment Door Latch, Edge Paddle, Trimark, Trailing Door Interior edge style handle comps "#2" &/or "#4"	1
	COMPARTMENT DOOR HOLD OPEN	1
04-02-7751	MD, Hold Open, Gas Strut, Ext Comp, 60lb for comp. #4 hold open	1

PART NO	DESCRIPTION	QTY
04-02-7753	MD, Hold Open Gas Strut, Ext Comp, 30lb Compartments 1, 2, 6, 6.5	5
04-02-7757	MD, Hold Open, Gas Strut, RF Comp, 30lb	1
	COMPARTMENT LIGHTING	1
04-03-1479	MD, Oxygen Light, 3" Surface mount Whelen LED, Clear Mounted in Oxygen Compartment Wall #3	1
04-03-1483	MD, Compartment Light, LED, Whelen #TOCACCCR, 2in, Each Compartment	6
	1 - access panel on wall 1 2 - Wall #1 below electrical shelf if optioned 4 - Wall #3 in access panel 6 - Ceiling centered 6.5 - Wall #3 8 - Wall #3 in access panel	
	COMPARTMENT #1 - STREETSIDE FWD	1
04-06-0450	MD, Compartment #1, 3/4 High (On type III - includes recess for stair chair storage)	1
04-06-0475	MD, With Dogleg for Stair chair in Compartment #1, (not available when electric O2 rack is selected) (this will decrease space for attend seat & cot by 5.25") for stair chair	1
	COMPARTMENT #2 - STREETSIDE FWD WHEELWELL	1
04-07-2144	WC, Compartment #2, 50" Aisle, Standard Configuration	1
04-07-2630	MD, Compartment #2, Shelf, Fixed, Electrical storage, w/ Divider Area to right of divider will be used for bio-waste in A/A if selected. If no bio-waste, area to be left open for additional customer storage.	1
04-07-9200	Add Dogleg in Comp #2 for Recessed Suction in Face of A/A	1
04-08-2100	MD, Compartment #3, NONE	1
	COMPARTMENT #4 - STREETSIDE AFT	1
04-09-3245	MD, Compartment #4, 3/4 Height.	1
04-09-4550	MD, Compartment #4, Shelf, Adjustable, w/Aluminum Track, First Shelf	1
	COMPARTMENT #6 - CURBSIDE AFT	1
04-11-1097	MD, Compartment #6, Full Height	1
04-11-2090	MD, Compartment #6, First Divider, Vertical, 3/16" Thick, Recessed Adj Track (divider to be full depth if a shelf is requested) centered.	1
04-11-4652	MD, Compartment #6, Equipment Strap, Seat Belt Style, Each Nylon web strap w/ seat belt buckle and two (2) footman loops	1
	COMPARTMENT #6.5 - CURBSIDE AFT WHEELWELL	1
04-12-0130	WC, Compartment #6.5, Below Squad Bench Floor Level	1
	COMPARTMENT #8 - CURBSIDE UPPER FORWARD	1
04-14-2120	MD, Compartment #8/8.5, Single Door	1

PART NO	DESCRIPTION	QTY
04-14-8010	MD, Compartment #8, Shelf, Adjustable, RF Cabinet, First shelf w/Aluminum Track (1) RF Comp "8"/cabinet "U8" area, centered.	1
04-14-8015	MD, Compartment #8, Shelf, Adjustable, Additional, for Aluminum Track, Each RF Comp "8"/cabinet "L8" area, centered.	1
INTERIOR TRIM AND FEATURES		1
05-01-0105	MD, Interior Cabinets, Duralite Construction, Wood, CN10 compliant All cabinets shall be labeled with their Rated Weight Capacity.	1
INTERIOR ADJUSTABLE SHELVES		1
05-02-0050	MD, Shelf, Interior, Wood , (1) adjustable, in Cabinet	4
05-02-0054	MD, Shelf Track, Cabinet, #HA24663, CN 10 Upgrade ("C" channel/exterior shelf style track)	4
This option may require quantity adjustment		
HEADLINER		1
05-06-2860	WC, Headliner, Flat, PVC, Hinged trough cover, 160"+	1
FLOORING		1
05-07-0120	MD, Flooring, Lon Seal "Lonplate II " With approximately 3" roll up both street side and curbside.	1
05-07-0121	MD, Color, Gunpowder Gray #424TX	1
05-07-9897	MD, Floor, Thresholds, .063 Aluminum , Painted w/Black Poly-urea coating	1
Entry Door Grab Handles		1
05-10-1529	MD, Entry Door Grab Handles (3), Custom "L" Shape, 1", Yellow - Yellow Powder Coat Finish Stainless Steel Grab Handles	1
Ceiling Grab Rail - Center		1
05-10-1931	MD, Ceiling Grab Rail, Overhead,112", 1" diameter Handicap Style, Yellow Yellow Powder Coat Finish	1
IV FLUID HANGERS		1
05-11-0015	MD, IV Hook, Perco Snap Hook w/Velcro Strap, Each	2
ACTION WALL AREA #2		1
05-13-3087	WC, Cabinet, A/A, 50" Aisle, No Bio waste, w/Recessed Suction, Rounded Corners Recessed suction in aisle facing cabinet face under action area tray.	1
05-13-4322	MD, Tray, A/A, 50" Aisle, No Bio waste, Poured, Gray **only for 50" aisle space units**	1
05-13-4402	MD, AA Upper Cabinets, U2.5 Angled, U2 , U1, 3/4H Comp #1	1
CABINET DOORS		1
05-13-4492	MD, Doors, U1 Gray Poly carbonate Slider, CN 10 Compliant	1
05-13-4510	MD, Door, U2 Gray Poly carbonate Slider, CN 10 Compliant	1
05-13-4522	MD, Door, U2.5 , Hinged Wood Hinged on Right.	1
Interior Street side #3 - CPR Seat		1
05-14-1532	MD, CPR side seat, Fixed Backrest, 25" wide Std.	1
05-14-1534	MD, CPR, Lid, Hinged Flip Up With Trimark Latch	1

PART NO	DESCRIPTION	QTY
05-14-1547	MD, Cabinet U3.5	1
05-14-1577	MD, Cabinet C3.5, deleted For Telemetry Area	1
05-14-1587	MD, Cabinet L3.5, full height, std	1
05-14-4418	MD, "U" Barrier Bar, Padded, 1.5" SS, CPR Seat, Gunmetal Mounted at the front of the CPR side seat vertically in line with the Padded head cushion on the upper AA cabinets.	1
05-14-4552	MD, Telemetry Tray, Poured, Gray	1
	CABINET DOORS	1
05-14-4592	MD, Doors, U3.5 Gray Poly carbonate Slider, CN 10 Compliant	1
05-14-4650	MD, Doors, L3.5, Gray Poly carbonate Slider, CN 10 Compliant	1
	STREETSIDE REAR AREA #4	1
05-15-5050	MD, Cabinet U4	1
05-15-5112	MD, Cabinet C4, Inside/Outside Access	1
05-15-5118	MD, Cabinet L4, Deleted	1
05-15-6115	MD, Doors, U4 Gray Poly carbonate Slider - CN 10 Compliant	1
05-15-6127	MD, Doors, C4, Gray Poly carbonate Slider - CN 10 Compliant	1
	SQUAD BENCH AREA	1
05-16-0048	WC, Squad Bench, Bio-Waste @ Head	1
05-16-0074	MD, Lid, Squad Bench, Single W/Bio-Waste Must use M1 latch for CN 10 on bio waste door	1
05-16-0080	MD, Handle, Trimark, CPR Seat, Std.	1
05-16-0082	MD, Handle, Trimark, Squad Bench, STD	1
05-16-0094	MD, Strut, Gas, 30 LB, Installed	1
05-16-0214	MD, Seatbelt, Assy, (4 Point), Per 4Max, Black, Vert. Mount, (1) Each, CN-8 Above bench Lid mounting (1) for CPR side seat (Delete shop note if not required) (2) for squad Bench	1
05-16-0214	MD, Seatbelt, Assy, (4 Point), Per 4Max, Black, Vert. Mount, (1) Each, CN-8 Above bench Lid mounting (1) for CPR side seat (Delete shop note if not required) (2) for squad Bench	2
05-16-0222	MD, Patient Restraint Belts, Squad Bench (3)	1
	CURBSIDE REAR	1
05-16-9923	MD, Cabinet, Curbside Rear, Standard	1
05-17-2508	MD, Cabinet, Glove Box Holder, (3), Above C/S door, Must use M1 latches for KKK Change notice 10 compliance	1
	CURBSIDE RIGHT STACK STORAGE #8	1
05-18-0035	MD, RF ALS, Split Upper/Lower, HVAC at Top	1
05-18-5158	MD, Doors, RF, U8, Dual Gen III OHO, Poly carbonate Doors, Gray	1
05-18-5354	MD, Doors, RF, L8, Dual Gen III OHO, Poly carbonate Doors, Gray	1
	ATTENDANT SEAT	1
05-19-6902	MD, Attendant's Seat, EVS 1880, Comfort, Hi-Back Child Safety w/Per4Max	1
05-19-6904	MD, Color, Gunmetal, Per4Max Belt, Black	1
05-19-7215	MD, Attendant's Seat Base, EVS CBS Box Style Box opening to be toward Rear access door	1
	INTERIOR COLORS	1
05-20-0015	MD, Mica, Light Gray Gloss	1

PART NO	DESCRIPTION	QTY
	UPHOLSTERY	1
05-20-5918	MD, Upholstery Color, Gunmetal	1
05-20-5970	WC, Backrest Cushion, EVS, Gunmetal, w/ WC Logo, Each	3
	CABINET LATCHES- INTERIOR	1
05-21-8213	MD, Latch, Southco M1, 2" S/S, (3/4" door) Non-Locking, CN 10-Rated 10lb (self latching) Flush Mount. Non-Locking	1
05-21-8213	MD, Latch, Southco M1, 2" S/S, (3/4" door) Non-Locking, CN 10-Rated 10lb (self latching) Flush Mount. Non-Locking	1
05-21-8219	MD, Latch, Southco M1, 2" S/S, (3/8" Door) Non-Locking, CN 10-Rated 10lb (self latching) Flush Mount. Non-Locking	2
	GENERAL WIRING	1
06-01-0130	MD, Electrical System: Printed Circuit board	1
06-01-0250	MD, Vanner, "E" Spec, PC Board, No LB	1
	CAMERAS	1
06-06-1245	MD, Camera - Exterior Back-Up, ZORG over Rear Doors for Ford F-series Install one (1)Zorg white IR color camera. Exterior mounted and connected to vehicle's OEM display.	1
	COMMUNICATION	1
06-06-5538	MD, Coax Cable, RG58/U, Each, Terminate: (1) - From module roof Dome #3 to behind passenger seat with 6' pigtails	2
	(1)- From module roof port Dome #7 to behind the passenger seat Standard - with 6' pigtails	
07-00-0610	MD, Light, in Circuit Board Area, for Electrical Troubleshooting - with integral switch; wired constant hot.	1
	POWER SOURCES	1
07-01-1002	MD, Power Source, 12VDC, 20A, Ignition/Shoreline Hot 20amp 12 volt DC circuit ran to two locations, (1) pre-wire coil and tagged in action area and (1) pre-wire coil and tagged behind driver's seat.	1
07-01-1008	MD, Power Source, 12 VDC, 15 Amp (+-), Ignition Hot - Ignition hot, terminating in cab console - with 6 foot tails (hot and ground).	1
07-01-1016	MD, Power Source, 12 VDC, 30 Amp (+-), Constant Hot - Constant Hot, to terminate behind the passenger seat - with 6 foot tails (hot and ground).	1
	VOLTMETER	1
07-02-1155	MD, Alarm, Low Voltage, Audio/Visual Light in cab console and Buzzer in cab.	1
07-02-1157	MD, Voltmeter, Glowshift , Digital	1
	BATTERY SYSTEM	1
07-04-8721	MD, Battery Sw, 5min Timer, F1, Fig 5B, Batt under Hood Activated thru OEM ignition switch timer function upon ignition "off". Momentary rocker switch, on driver's side of cab console, to function as timer shutoff and also reactivate timer.	1

PART NO	DESCRIPTION	QTY
	(2) OEM batteries under hood	
	ONLY Module power is turned on/off. Chassis power is NOT turned off.	
07-09-1007	MD, Battery Charger, Conditioner, Progressive Dynamics, PD9130 Charger/Conditioner mounted in Comp "E"	1
	12VDC OUTLETS	1
07-10-1101	MD, Outlet, Power Point Style, (2), A/A - on standard 20-amp ignition hot circuit. ("elect battery switch")	1
07-10-1109	MD, Power Outlet, Kussmaul, USB Dual Port, 5VDC, 4.8 Amp, switch panel Located in the cab switch panel per Electrical Engineering - Ignition Hot	1
07-10-1111	MD, Power Outlet, Kussmaul, USB Dual Port, 5VDC, 4.8 Amp, switch panel, Each Location in the Action area outlet panel. - Ignition Hot	1
	FRONT CONSOLE	1
08-01-3525	WC, Console, Drivers Switch & Radio, Center, Aluminum, Black, Type1 Ford Black polyurethane coated .090 Aluminum	1
	See below for Optional panels 10.75 x 12.5 x 7" deep storage area at rear	
08-01-4652	WC, Single Blank Panel	1
08-01-4654	WC, Double Blank Panel	1
08-01-4665	WC, View Safe Switch Panel , Type 1 Only thirteen (13) Eaton switches, four (4) indicator lights, one (1) dual USB cutout, one (1) voltmeter, and one (1) Whelen 295SLSA1 siren amplifier	1
08-02-0006	MD, Module Electrical Panels, Brushed Stainless Steel brushed stainless steel panels for the Outlet panels, switch panels and other faceplates in the MODULE only.	1
	ATTENDANT CONTROL PANEL	1
08-03-0306	WC, Console, A/A, Wood, Angled	1
	SIREN ELECTRONIC - CONTROL HEADS / AMPS	1
09-03-1802	MD, Siren, Whelen, WS-295-SLSA1	1
	SIREN SPEAKERS	1
09-03-2708	WC, Siren Speakers, Cast SAD/PSAD3827-20FSD-1, F-Series 2020 Thru Front Bumper	1
09-03-3530	MD, Switch, Siren/Horn Thru Horn Ring	1
	BACK-UP ALARMS	1
09-05-1112	MD, Back-up Alarm, No Cutoff Switch	1
	WARNING LIGHT FLASHERS	1
09-80-2000	MD, Flasher, Vanner 5860GCPE, C/D/E Spec Will flash 75FPM single flash ONLY	1
	WARNING LIGHTS	1
	LED Series - 900 (Flange Separate)	1

PART NO	DESCRIPTION	QTY
09-95-1355	MD, Light, Whelen 900 LED, Red, Red Lens, 90RR5FRR, Internal Flasher FRONT UPPER BODY LIGHTING Front Body - Upper Curbside Corner Front Body - Upper Street side Corner MODULE SIDES LIGHTING Street side Body - Upper Forward Street side Body - Upper Rear Curbside Body - Upper Forward Curbside Body - Upper Rear MODULE REAR LIGHTING Rear Body - Upper Street side Corner Rear Body - Upper Curbside MODULE CENTER REAR WINDOW LIGHTING Rear Body - Center Street side Window Rear Body - Center Curbside Window	10
09-95-1361	MD, Light, Whelen 900 LED, Amber, Amber Lens, 90AA5FAR, Internal Flasher MODULE REAR LIGHTING Rear Body - Upper Center	1
09-95-1363	MD, Light, Whelen 900 LED, Clear, 90CC5FCR, Internal Flasher FRONT UPPER BODY LIGHTING Front Body - Upper Center	1
09-95-4802	MD, Light, Whelen, LINZ6R, LED-Red with chrome flanges (2) front Intersectors (2) As Grille Lights	4
09-95-9393	MD, Housings, Cast, 500 Series, Upper Grille, Ford, 2020 F series, Pair	1
	EXTERIOR AUTOMOTIVE LIGHTING	1
10-01-0042	WC, Taillight Pkg, Whelen, LED Stop/Tail, Turn & LED Backup, w/WC logo - Brake- Steady Burn - Turn Arrow – sequential arrow - 700 LED Backup Clear lens over all three lights	1
	ICC/MARKER LIGHTS	1
10-01-2177	MD, Light, Clearance, Amber LED, Each On front as clearance lights.	3
10-01-2178	MD, Light, Clearance, Red LED, Each On rear as clearance lights.	3
10-01-2183	MD, Lights, Red, 2", Marker, LED, Pair in bumper	1
10-01-2250	WC, Corner Cap Lts, Multi, LED, (2) Amber (2) Red w/Flashers - High intensity flashers; thru separate switch	1
	FLOOD AND LOAD SYSTEMS	1
10-02-2202	MD, Light, Halogen, Whelen, 9H, Clear, 8-32 Deg - (2) each side as "Scene lights"	6

PART NO	DESCRIPTION	QTY
	- (2) on rear over rear doors as "Load Lights"	
10-02-2232	MD, Light, LED, Whelen, Clear, #9SC0ENZR, 24 LED, w/Chrome Flange - (2) each side as "Scene lights" - (2) on rear over rear doors as "Load Lights"	6
11 - INTERIOR LIGHTING		1
11-01-2800	MD, Lights, Weldon, 8046-0320-80, (4) S/S, (3) C/S	1
11-01-2871	WC, No Lighting Recessed into Trough Cover	1
11-01-9032	MD, Timer, Momentary Switch, 15 Minute, Constant Hot (must have ECX timed battery switch with this option)	1
	Mount switch on C/S wall at the head of the squad bench in the standard location. Switch to allow activation and also deactivation. Wire to Street side Domes in liner on High.	
SPOTLIGHTS / HANDHELD LIGHTS		1
11-02-1003	MD, Handheld Spotlight - Sho-Me 200,000 CP	1
ATTENDANT LIGHT		1
11-03-2027	MD, Light, Optronics, 105500, 5 Inch, Each	1
12 - ELECTRICAL 125 VOLT AC		1
SHORELINE INLET		1
12-01-9112	MD, Shoreline, 20A, Super Auto Eject, White - with white cover; mounted above compartment "#2"	1
OUTLETS - 125VAC		1
12-02-2110	MD, Outlets, 125 VAC, Duplex, (1) Action Wall, (1) Right Front Cabinet - (1) outlet in action area - (1) outlet in the RF Cabinet "U8", wall #2, upper right.	1
BLOCKHEATERS		1
12-02-4001	Block Heater - With OEM Plug This option does not include a switch. (STANDARD).	1
INVERTER - 125VAC		1
AUXILIARY ENVIRONMENTAL SYSTEMS		1
13-02-0111	MD, Exhaust Fan, Single 12V, in Line Blower	1
WHEELED COACH HVAC UNITS		1
13-02-5751	MD, Hoses, Heater, No Max, to Rear	1
13-02-6028	WC, Air Conditioning Face Plate, Brushed Stainless Steel with Logo	1
13-02-6050	MD, Heat/AC Located RF corner, over ALS cabinet.	1
13-02-6101	MD, Heat/AC, F1, Combo, Brushless Motor Note: Adding an external condenser is recommended !!	1
13-02-7754	MD, Thermostat, Hoseline Master Control Digital CM5000 Mount probe in front of evaporator	1
COT MOUNTING PROVISIONS		1
Cot Mounts		1
14-01-1514	MD, Cot Mount, Stat Track, Single Position, ST, 86", CN 8 Compliant Length of track is 86".	1

PART NO	DESCRIPTION	QTY
14-01-4028	Center Mount	1
	OXYGEN AND AIR SYSTEMS	1
14-02-2242	MD, O2 Cylinder Bracket, Multiversal, #QR-MV, W/ Straps (Uni-strut track mounting is now std)	1
	Specify O2 bottle size.	
14-02-2244	MD, Track, Unistrut for Oxygen Rack	1
14-02-3005	MD, Manual, O2 System	1
14-02-3156	MD, O2 Regulator, Preset 50 PSI Ship Loose unless otherwise directed	1
14-02-4153	MD, O2 Outlets, Ohio Style (2 in Action Area, 1 CS Wall) (2) in Action Area, (1) CS wall above squad bench	1
14-02-4920	MD, Lexan Flap, w/Hinge	1
	SUCTION SYSTEM	1
14-03-3030	MD, Suction Pump, SSCOR 90206	1
14-03-3045	MD, Suction Port, Hole Only, No Outlet Plate	1
14-03-3070	MD, Suction System, SSCOR 23002 Disposable w/Canister Clip & Regulator NO Ohio style vacuum outlet - plumb hose from SSCOR canister through hole in AA wall panel Meets SAE J3043 Requirements	1
	MISC MEDICAL	1
14-04-1200	MD, Fire Extinguisher, 5# ABC with Surface Mount Bracket., Each HD Amerex Bracket #861H with Amerex 5LB fire extinguisher.	2
	PAINT AND FINISH	1
15-00-0200	WC, Wheeled Coach Paint Process	1
15-01-2000	Module Paint, Single Color, OEM White	1
	Ford white: FA91:YZ 2019 & up Dodge white : RAM88:GW7 Chevy G series white: FLNA40738 C3500- 5500 White FLNA 41383 International 4300-4400 white: NAV9212- Check chassis spec Freightliner white: CHA88:GW6-Check chassis spec	
15-01-5000	Cab Paint - Single Color, OEM White	1
	PAINT STRIPING DESIGN	1
15-02-1200	Paint Belt, None	1
	DECALS AND NOMENCLATURE	1
15-05-0038	WC, Ship Loose, W.C. Standard Items	1
15-05-0055	MD, Spare Tire, OEM only, Ship Loose	1
74-09-0099	Indemnification Statement The purchaser agrees to defend, indemnify and hold Rev Ambulance Group harmless from any claims, costs (including actual attorneys' fees), damages and liabilities caused in whole or in part by any alteration or modification of, or changes or additions to the purchased products OR use of product for purposes it was not designed or intended for.	1
	End Of Order	1
	== Factory Ship Loose - EMS Equipment - 1.048 02/17/23 ==	1

CNGP530

VEHICLE ORDER CONFIRMATION

11/14/22 07:00:28

==> _____ Dealer: F86715

2023 F-SERIES SD Page: 1 of 2

Order No: 9999 Priority: 40 Ord FIN: RV715 Order Type: 59 Price Level: 315

Ord PEP: 663A Cust/Flt Name: WHEELED COACH PO Number: F550 2WD 19

RETAIL DLR INV RETAIL DLR INV

F5G	F550 4X2 CHAS/C				.BACKGLASS DEF		
	193" WHEELBASE				.FOG LAMPS		
Z1	OXFORD WHITE				.ADJ GAS/BRK PDL		
3	40/20/40 CLOTH				.REMOTE START		
S	MED DARK SLATE				.8 WAY PWR DRV		
663A	PREF EQUIP PKG				18000# GVWR PKG		
	.XLT TRIM			41H	ENG BLK HEATER		
	.AMFM/MP3/CLK			425	50 STATE EMISS	NC	NC

99T	6.7L V8 DIESEL						
44G	10-SPD AUTOMATC	NC	NC		TOTAL BASE AND OPTIONS		
TGJ	225 BSW AP 19.5				TOTAL		

X4N	4.10 LTD SLIP				*THIS IS NOT AN INVOICE*		
	FLEET SPCL ADJ	NC					

166 CARPET DELETE * MORE ORDER INFO NEXT PAGE *
 17V XLT VALUE PKG F8=Next

F1=Help F2=Return to Order F3/F12=Veh Ord Menu
 F4=Submit F5=Add to Library

S006 - MORE DATA IS AVAILABLE. QC416142

CNGP530

VEHICLE ORDER CONFIRMATION

11/14/22 07:00:44

==> _____ Dealer: F86715

2023 F-SERIES SD Page: 2 of 2

Order No: 9999 Priority: 40 Ord FIN: RV715 Order Type: 59 Price Level: 315

Ord PEP: 663A Cust/Flt Name: WHEELED COACH PO Number: F550 2WD 19

	RETAIL	DLR INV	RETAIL	DLR INV
47L				
67B				
512				
61J	JACK	NC		NC
	SP DLR ACCT ADJ			
	SP FLT ACCT CR			
	FUEL CHARGE			
B4A	NET INV FLT OPT	NC		
	DEST AND DELIV			

TOTAL BASE AND OPTIONS

TOTAL

THIS IS NOT AN INVOICE

F1=Help

F2=Return to Order

F4=Submit

F5=Add to Library

S099 - PRESS F4 TO SUBMIT

F7=Prev

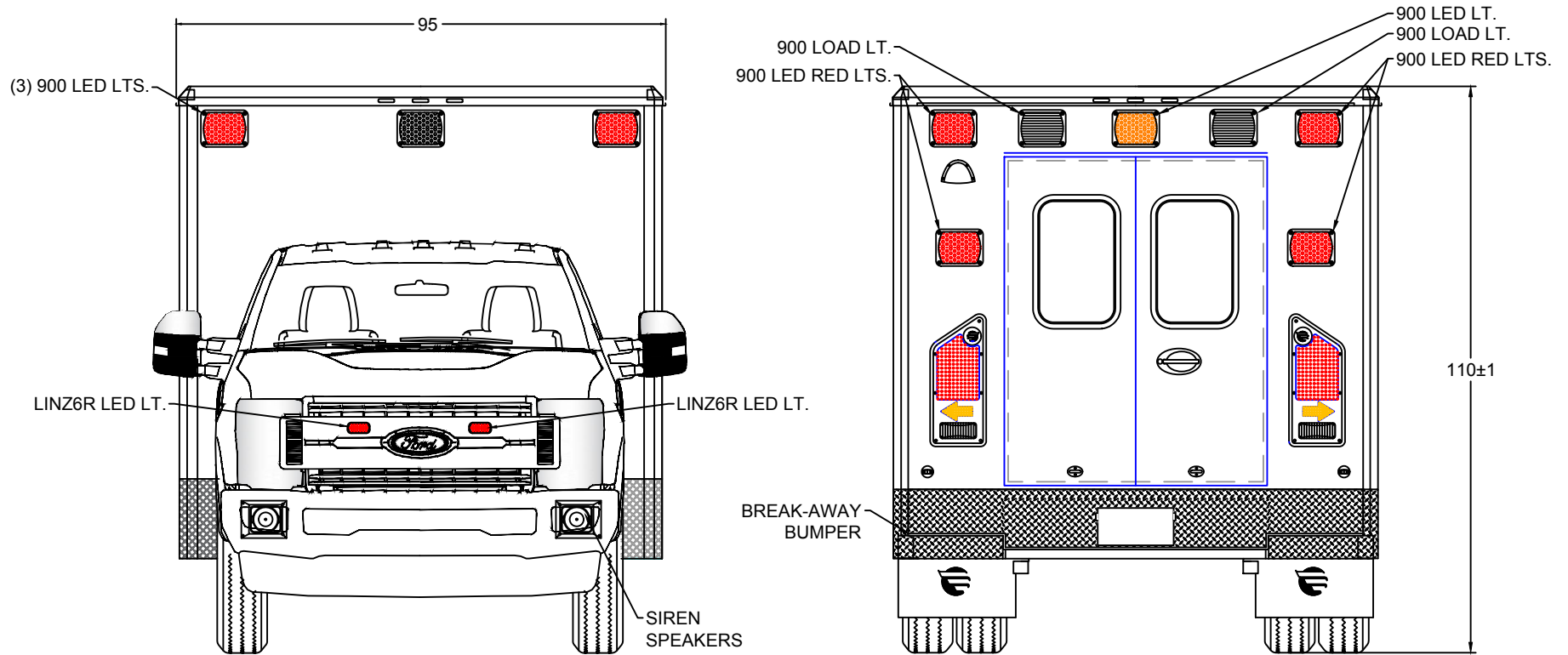
F3/F12=Veh Ord Menu

QC416142

CA111117

MODEL 1170F

170 x 95 x 72



EXTERIOR COMPARTMENT DIMENSIONS IN INCHES

INTERIOR DIMENSIONS				PASS THRU		INTERIOR DIMENSIONS				JAMB OPENING	
COMPT.	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	COMPT.	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH



TYPE 1 FORD
FRONT / REAR
EXTERIOR VIEWS

BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

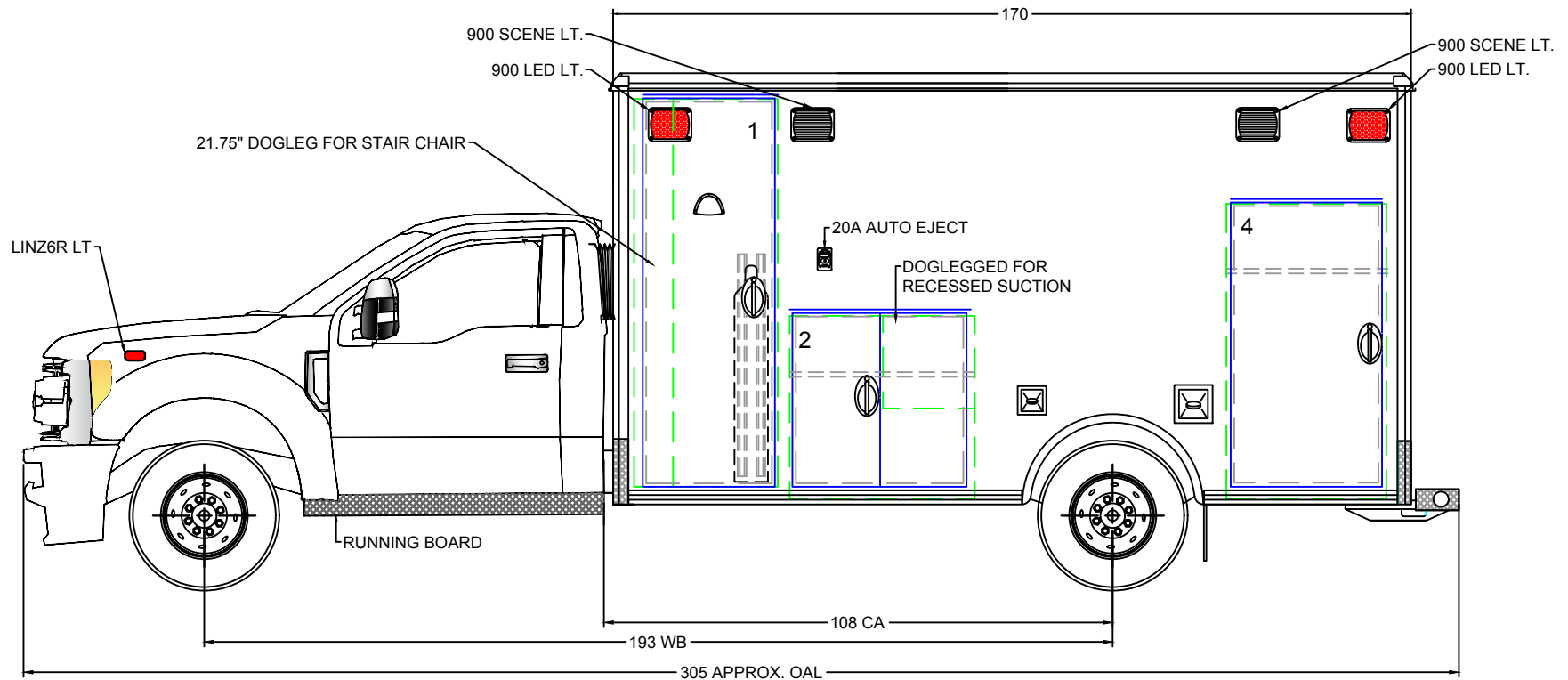
DATE:	3/3/21	SCALE	
DWN BY	AP	DWG NO	1 / 9

50" AISLE

CA111117

MODEL 1170F

170 x 95 x 72



BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

EXTERIOR COMPARTMENT DIMENSIONS IN INCHES

INTERIOR DIMENSIONS				JAMB OPENING		INTERIOR DIMENSIONS				JAMB OPENING	
COMPT.	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	COMPT.	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH
4	61.50	34.00	17.00	58.50	30.50						
2	37.75	39.25	17.00	35.00	37.00						
1	82.50	30.50	17.00	81.75	27.25						



TYPE 1 FORD

LEFT EXT. VIEW

DATE 3/3/21

SCALE

DRAWN BY AP

DWG NO

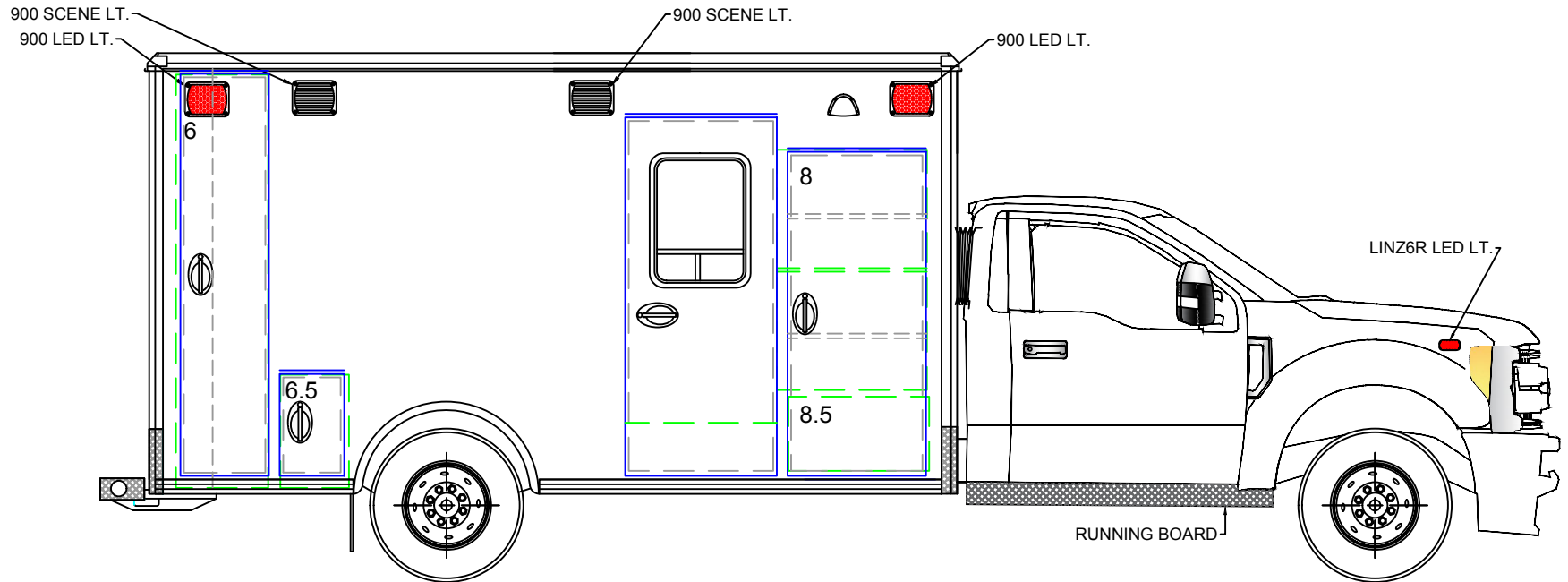
2 / 9

50" AISLE

CA111117

MODEL 1170F

170 x 95 x 72



BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

EXTERIOR COMPARTMENT DIMENSIONS IN INCHES

INTERIOR DIMENSIONS				JAMB OPENING		INTERIOR DIMENSIONS				JAMB OPENING	
COMPT.	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	COMPT.	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH
8				65.50	27.25						
8.5	15.50	30.50	19.00								
6.5	22.50	14.25	17.00	19.25	12.00						
6	85.00	19.00	18.50	82.00	17.00						



TYPE 1 FORD

RIGHT EXT. VIEW

DATE 3/3/21

SCALE

DRAWN BY AP

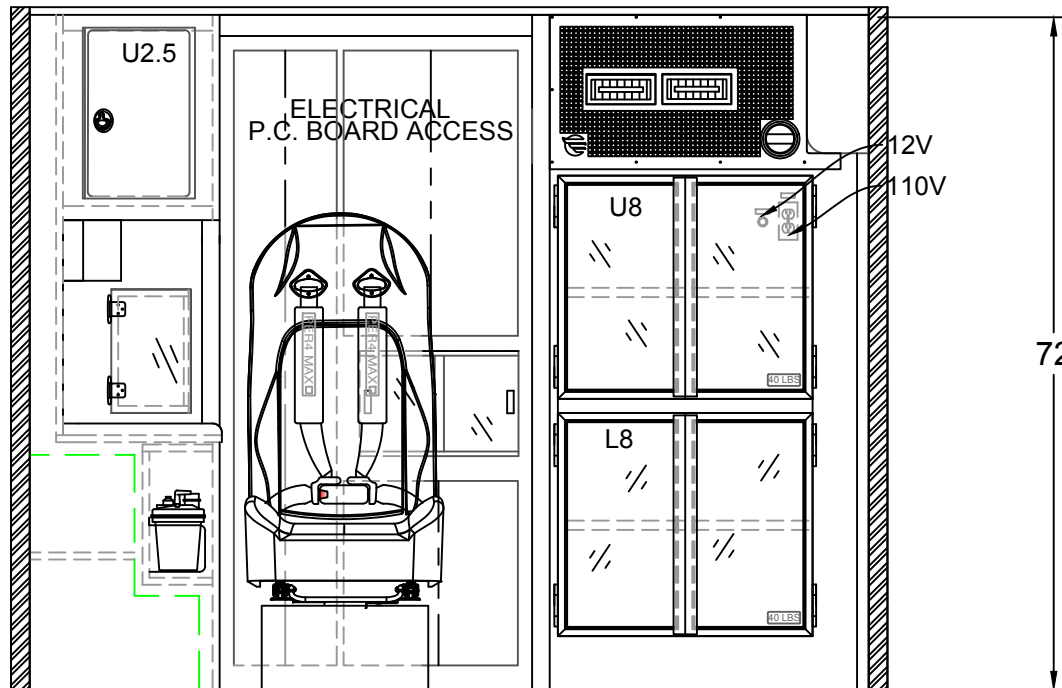
DWG NO 3 / 9

50" AISLE

CA111117

MODEL 1170F

170 x 95 x 72



BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

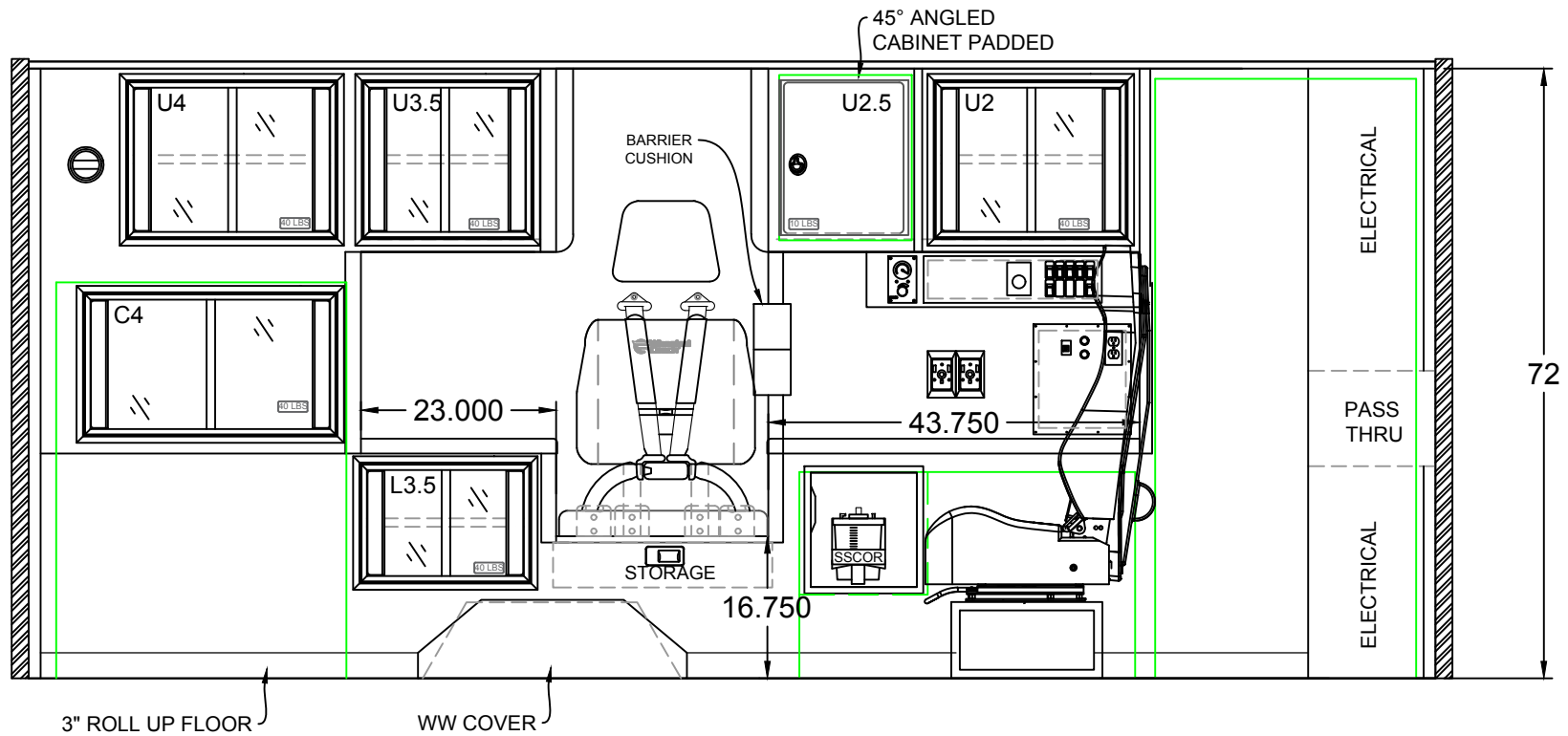
<p><u>CABINET WEIGHT RATINGS:</u> NON-RESTOCKING = 40 LBS. RESTOCKING = 30 LBS.</p>	<p>INTERIOR CABINET DIMENSIONS IN INCHES</p>								
	CABINET	HEIGHT	WIDTH	DEPTH	CABINET	HEIGHT	WIDTH		DEPTH
	U8	24.50	33.50	30.50					
	L8	24.50	33.50	30.50					<p>TYPE 1 FORD BULKHEAD INTERIOR</p>
								DATE 3/3/21	SCALE
								DRAWN BY AP	DWG NO 4 / 9

50" AISLE

CA111117

MODEL 1170F

170 x 95 x 72



INTERIOR CABINET DIMENSIONS IN INCHES

CABINET	HEIGHT	WIDTH	DEPTH		CABINET	HEIGHT	WIDTH	DEPTH	
C4	17.00	30.00	IS/OS		CPR	4.50	23.50	18.25	
U4	18.75	26.25	18.25		L3.5	14.25	20.25	18.25	
U3.5	18.75	20.25	18.25						
U2.5	19.50	18.00	16.00						
U2	18.75	24.25	16.00						

50" AISLE

CABINET WEIGHT RATINGS:
NON-RESTOCKING = 40 LBS.
RESTOCKING = 30 LBS.

BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING



TYPE 1 FORD

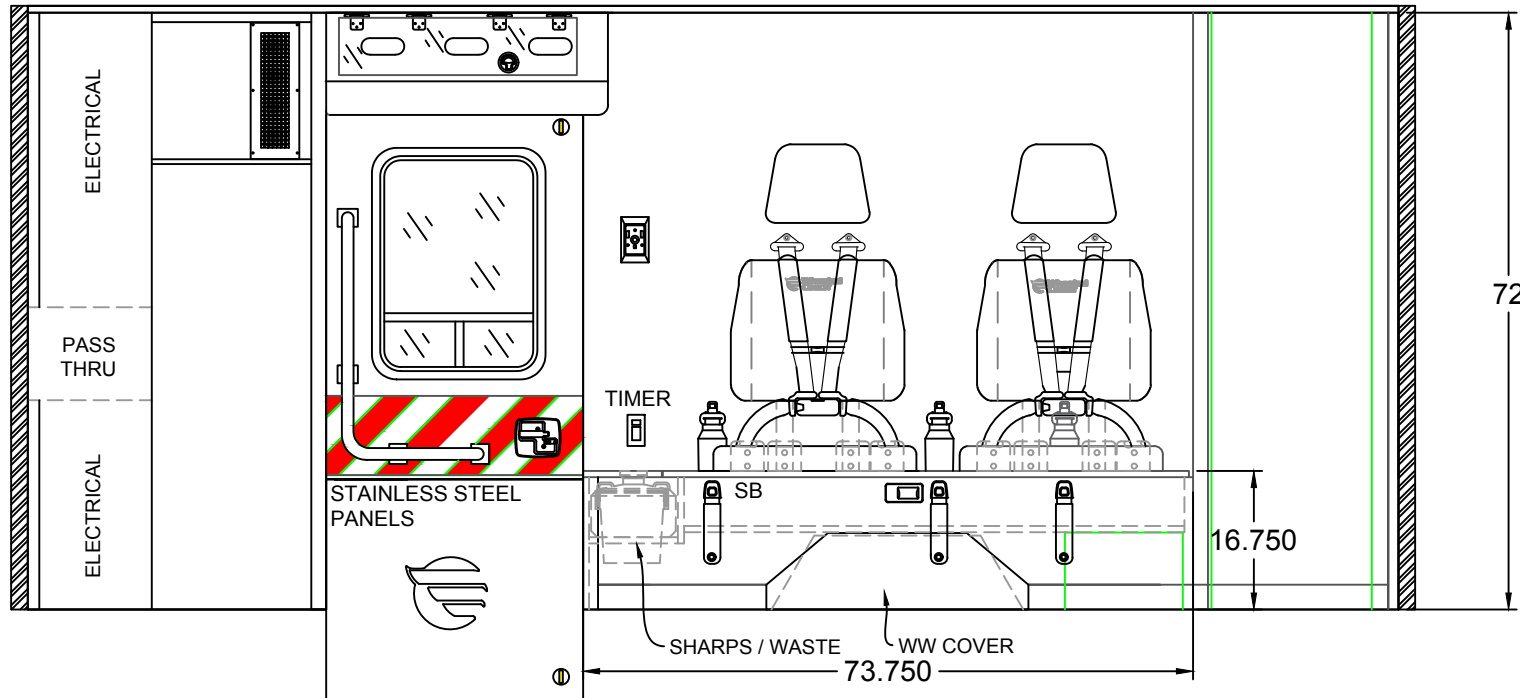
LEFT INTERIOR

DATE:	3/3/21	SCALE:	
DWN BY:	AP	DWG NO:	5 / 9

CA111117

MODEL 1170F

170 x 95 x 72



INTERIOR CABINET DIMENSIONS IN INCHES

COMPT.	HEIGHT	WIDTH	DEPTH		COMPT.	HEIGHT	WIDTH	DEPTH	
SB	5.75	60.75	16.75						

50" AISLE

CABINET WEIGHT RATINGS:
NON-RESTOCKING = 40 LBS.
RESTOCKING = 30 LBS.

BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING



TYPE 1 FORD
RIGHT INTERIOR

DATE: 3/3/21

SCALE

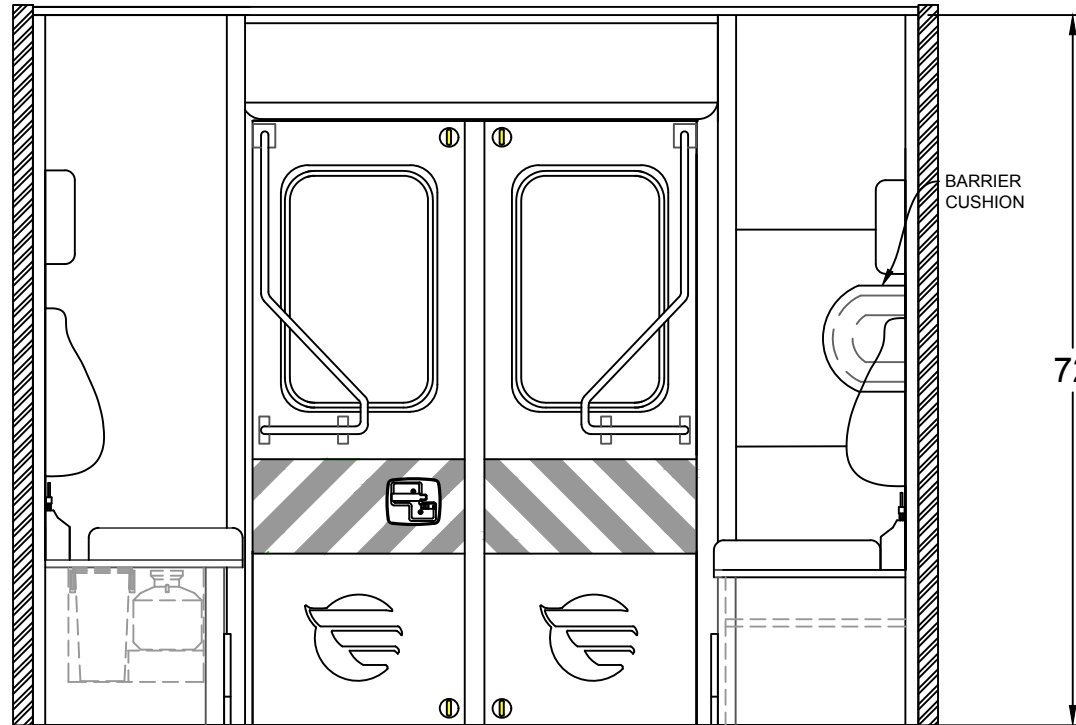
DRAWN BY: AP

DWG NO: 6 / 9

CA111117

MODEL 1170F

170 x 95 x 72



INTERIOR CABINET DIMENSIONS IN INCHES

COMPT.	HEIGHT	WIDTH	DEPTH		COMPT.	HEIGHT	WIDTH	DEPTH	

50" AISLE

CABINET WEIGHT RATINGS:
NON-RESTOCKING = 40 LBS.
RESTOCKING = 30 LBS.

BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING



TYPE 1 FORD

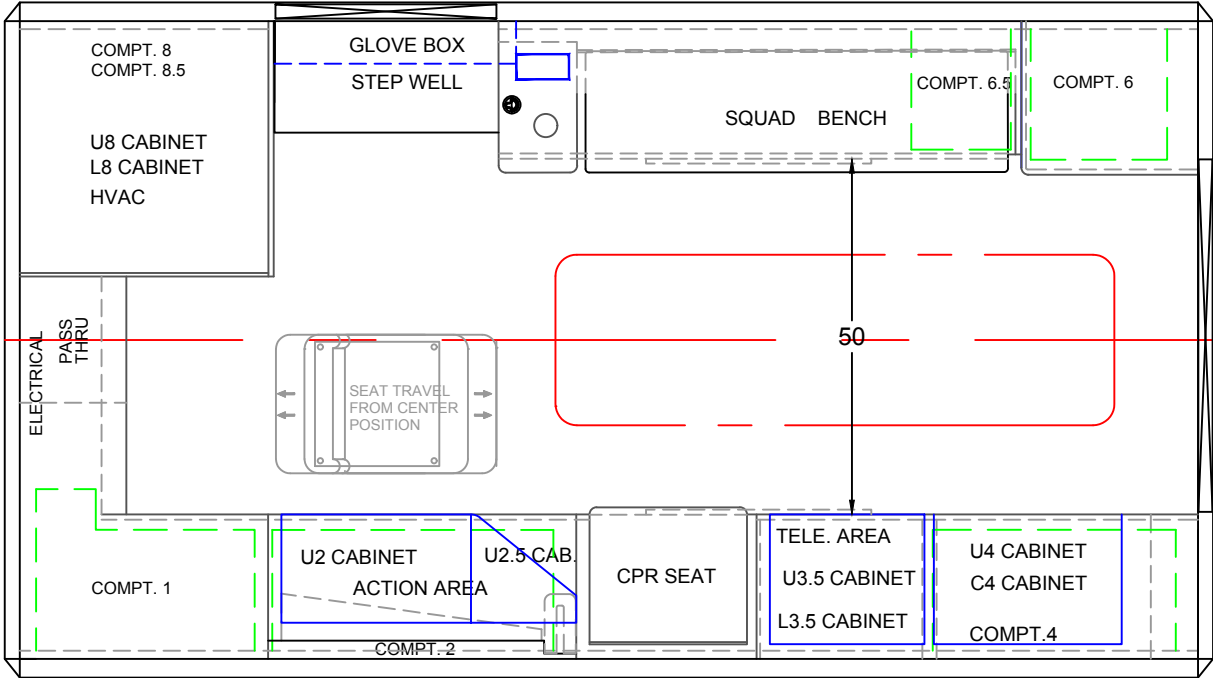
REAR BULKHEAD INTERIOR

DATE:	3/3/21	SCALE	
DWGN BY:	AP	DWG NO:	7 / 9


CA111117

MODEL 1170F

170 x 95 x 72



BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

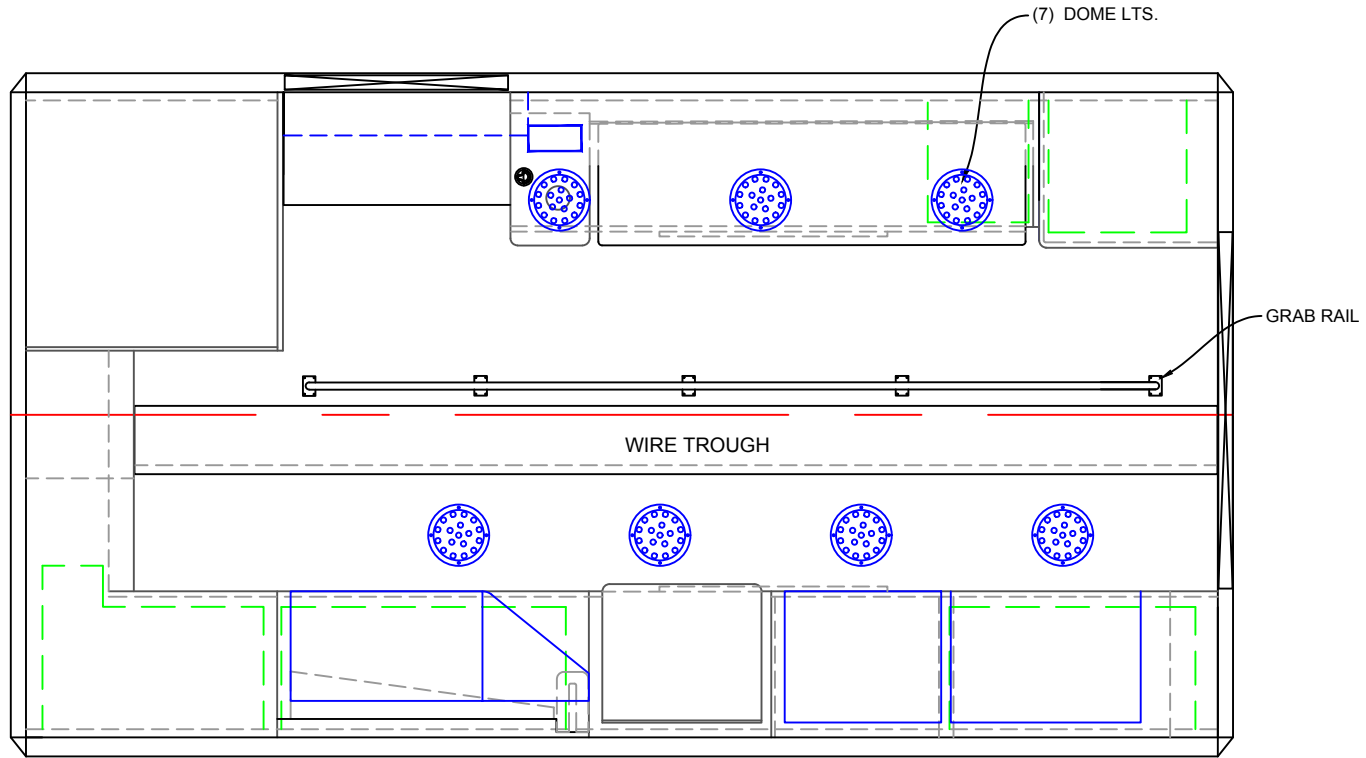
INTERIOR CABINET DIMENSIONS IN INCHES								
CABINET	HEIGHT	WIDTH	DEPTH	CABINET	HEIGHT	WIDTH	DEPTH	
								TYPE 1 FORD FLOOR PLAN DATE: 3/3/21 DWN BY: AP SCALE: DWG NO: 8 / 9

50" AISLE

CA111117

MODEL 1170F

170 x 95 x 72



BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

INTERIOR CABINET DIMENSIONS IN INCHES

CABINET	HEIGHT	WIDTH	DEPTH	CABINET	HEIGHT	WIDTH	DEPTH



TYPE 1 FORD
LINER

DATE: 3/3/21 SCALE
DWN BY AP DWG NO 9 / 9

50" AISLE

One (1)	== WC-Wheeled Coach Boilerplate - 1.048 02/17/23 ==	Y__N__
One (1) 00-00-0005	ORDER COORDINATOR	Y__N__
One (1) 00-00-0015	Order Coordinator - Factory to assign	Y__N__
One (1) 00-01-0000	INFORMATION	Y__N__
0.	CUSTOMER	
One (1) 00-01-1010	<i>RFP - Request for Proposal</i>	Y__N__
One (1) 00-01-4002	<i>Florida Sheriff's Association (FSA)</i>	Y__N__
One (1) 00-01-4016	<i>Boilerplate, Specification Examination</i>	Y__N__

A1.1.1 SITES OF WORK

Other than the chassis, specified accessories, and raw materials such as aluminum, wood, etc.; all shops and sub-shops shall be within the complex(s) that are directly owned and controlled by the primary manufacturer. Any assemblies including, but not limited to, upholstery, fiberglass, cabinetry, electrical, structural and paint application, that are performed or supplied outside of the primary manufacturer's location(s) must be noted. The name, address, and contact person supplying the primary manufacturer with the assemblies must be provided in writing to this agency. Non-disclosure will be sufficient grounds for rejection of bid or termination of contract. Ambulances or chassis' imported for consideration of this specification into the United States under the North America Free Trade Act must provide documentation of compliance with all United States laws applicable. Further, any import ambulance must be independently certified and tested within the United States to meet KKK-A1822-F certification.

A1.1.2 EXAMINATION OF SPECIFICATIONS

It is incumbent on each manufacturer to be thoroughly familiar with the specification contained herein. The specification will require a "YES" or "NO" or when requested a definitive answer to each section or subsection. Sections or subsections not marked with a "YES" or "NO" or answered shall be deemed incomplete and considered non-responsive. A "YES" answer constitutes a complete compliance to the section or subsection as written. A "NO" shall indicate noncompliance and does not eliminate a manufacturer from competition.

A manufacturer may object or counter to a specific section or subsection. A manufacturer must indicate in writing, as an attachment, the section or subsection in dispute. The manufacturer must include the verbiage as written, new verbiage presented, explanation of verbiage with consequences and supporting tests and documentation. Failure to comply will be deemed as non-responsive. This agency reserves the right to determine compliance.

A1.1.3 DEFINITIONS: The following definitions shall apply with regards to these specifications.

A1.1.4 PURCHASER: The end user of the equipment specified or the applicable purchasing agency acting on behalf of the end user.

A1.1.5 CONTRACTOR: The individual, firm, partnership manufacturer, or corporation to whom the contract is awarded by the Purchaser and is subject to the terms thereof. For bidding purposes the contractor, vendor, bidder, manufacturer are synonymous.

A1.1.6 EQUAL: This agency supports the design, engineering, quality and materials as specified in this document. This shall not prohibit the bidding of unlike product. However, any deviation from the specification must be marked and submitted per section A1.1.2. Failure to do so shall be deemed non-responsive.

A1.1.7 MANUFACTURER: The manufacturer within this specification shall be considered the “primary manufacturer” of the ambulance conversion. The chassis requirement as set forth in this specification is the responsibility of the primary manufacturer to procure. This agency considers the chassis platform as a conveyance for the ambulance conversion. It is imperative that the primary manufacturers procure the **exact** chassis from the chassis manufacturer. After market modifications by the primary manufacturer to achieve chassis specification will not be tolerated. This agency will require documentation from the chassis manufacturer pertaining to the chassis requirements for this agency. Failure to provide documentation after award and prior to construction may result in the termination of the contract. Expenses to re-bid will be the responsibility of the manufacturer in default.

A2.0 SPECIAL CONDITIONS

A2.1 BIDDERS RESPONSIBILITY AND QUALIFICATION

A2.1.1

It is not the intent of these specifications to call for an unusual or experimental vehicle(s). The primary manufacturer shall have a minimum of 10 years of uninterrupted manufacturing of similar or identical vehicles to the specifications set forth in this bid.

A2.1.2

If requested by the purchaser, the primary manufacturer shall supply upon request a list of fifteen (15) agencies that have purchased similar or identical vehicles within the past year from date of bid. The list will have contact names and phone numbers.

A.2.1.3

For the purpose of this section, if the bidder of record and the primary manufacturer are separate business entities, then each shall be required to submit financial, insurance, and/or licensor to conduct business within this jurisdiction. Failure to provide proper documentation with the bid response may result in any bid being deemed non-responsive.

A.2.1.4

The primary manufacturer shall be ISO 9001:2000 certified. **No Exceptions.**

A.2.1.5

The primary manufacturer shall employ full time a Quality Control Manager whose primary function is to monitor quality. **No Exceptions.**

A2.2 PAYMENT, DELIVERY AND ACCEPTANCE

A2.2.1

A deposit may be remitted with the order not to exceed ten percent (10%) of the total contract amount. This agency reserves the right to issue a binding municipal Purchase Order in lieu of a deposit. The choice to submit either the deposit and/or the binding purchase order will be that of this agency.

Prepayments or progress payments for any part or material after contract award may result in a termination of the award. The contract will be given to the next

responsible primary manufacturer. It is the intent of this agency to do business with a company of sufficient financial means to meet the financial burdens necessary complete and delivery the vehicle as specified.

Unless otherwise requested, the primary manufacturer shall arrange over the road delivery of the completed vehicle to this agency's designated local address under the vehicles own power. Costs of transportation and preparation are to be included with the price as bid. The primary manufacturer, may as an option, offer a line item credit for pick up by this agency at their place of manufacture.

Payment in full will be made upon delivery once an inspection of the vehicle by this agencies authorized representative(s) confirms compliance with the specification. The delivery, acceptance inspection, and payment shall take place on the same day. In the event it is deemed necessary for this agency to inspect the vehicle(s) at the primary manufacture location, a temperature controlled inspection area separate from the production facility shall be available.

A2.2.2

All bid prices and conditions must be specified on the Bid Proposal Form.

A2.2.3

Bid prices shall be valid for sixty (60) days. In the unforeseen circumstance that this agency requires the primary manufacturer to extend pricing requirement; then it will be at the discretion of this agency to request in writing from the primary manufacturer any deviation in prices quoted. The primary manufacturer may revise pricing and state in writing reasons for any change and certify the amended pricing for sixty (60) additional days.

A2.3 BID EVALUATION

Bids received shall be evaluated by the Purchaser. This evaluation will be based on the following:

- Completeness of the proposal
- Manufacturing and Delivery schedule
- Primary manufacturer's demonstrated capabilities and qualifications
- Primary manufacturer's past performance on similar Bid Proposals
- Primary manufacturer's maintainability and recommendations
- Primary manufacturer's logistical and service support

A2.3.1

Bid proposals taking total exception to these specifications will not be accepted.

A2.3.2

Bid proposals that do not comply with the prescribed method to take exceptions listed in paragraph A1.1.2 will be rejected without further consideration.

A2.3.3

This agency seeks the highest level of value for the cost. To assure this agency is receiving such value the primary manufacturer must submit evidence of compliance with KKK-A1822-F testing parameters. The testing is to be performed by an independent testing facility and verified by person(s) with the standing of Professional Engineer. If further testing is required by any lawful agency of the Federal or State Government then it shall be incumbent upon the primary manufacturer to provide this agency with certification required.

A2.3.4

This agency also recognizes Ford Motor Company's Qualified Vehicle Modifiers (QVM) accreditation. Therefore, regardless of chassis specifications the primary manufacturer must include with this proposal their current QVM certification.

A2.3.5

Internal testing performed and certified for a primary manufacturer will not be considered by this agency.

A2.3.6

The primary manufacturer may submit certification of all "member in good standing" of any public or private association that may have bearing on this specification i.e. AMD, NTEA.

A2.3.7

To insure that this contract is awarded to a primary manufacturer who has the resources to meet the performance and warranty criteria specified herein, the primary manufacturer shall state in the bid proposal if it is a public or private company. If the primary manufacturer is privately held then it shall include the

most current financial statement by a Certified Public Accountant not more than twelve (12) months old, or current financial statement of the parent company. If the primary manufacturer is a publicly held company or wholly owned by a publicly held company then it shall state what stock exchange and under what symbol it is traded under. **Bids not meeting this requirement cannot be accepted.**

Note: In performing the evaluation, only information contained within the primary manufacturer's written proposal will be considered.

A2.4 CONTRACT AWARD

The Purchaser reserves the right to increase the number of vehicles or equipment specified under this contract. If awarded, the primary manufacturer agrees that additional agencies may purchase under the same terms and prices afforded by any contract arising from the bid award, unless prohibited by law.

A2.4.1

The purchaser has the right to waive any informalities, irregularities, and technicalities in procedure.

A2.5 WARRANTY

This agency is concerned with the ability of the primary manufacturer to warrant the conversion after delivery. This agency expects a minimum of a fifteen (15) year modular construction warranty and twelve (12) months and twelve thousand (12,000) mile full warranty on the conversion. In addition, each manufacturer shall submit their various warranties and warranty options, if applicable, with the proposal for evaluation. Also, each primary manufacturer will supply the name and phone number of a contact person in the event this agency requires clarification of the submitted warranty documents.

The primary manufacturer will provide the location of the closest approved warranty center. Indicate to this agency, in writing, to be included with this proposal; the process to initiate and file a warranty claim.

A2.5.1

Due to the high demands on a pre-hospital care vehicle, this agency demands the primary manufacturer have available a twenty-four hour a day technical assist service. This 24/7 service must be staffed by the primary manufacturer's service personnel, include telephone number: _____.

A2.6 DELIVERY

The primary manufacturer will provide in writing to accompany this document a proposed delivery time. The delivery time proposal will include the transit time of the finished vehicle.

A2.7 BID GUARANTY

Bid proposals shall be accompanied by a Surety Bond in the amount of ten percent (10%) of the total price of the bid proposal. The Bid Surety shall be made payable to this agency and conditioned upon the primary manufacturer acceptance of award. In the event of failure or refusal to comply, the Bid Surety may be forfeited as liquidated damages because of such failure of default.

A2.8 PERFORMANCE BOND

This agency reserves the right to seek a one hundred percent (100%) performance and payment bond as a condition of award. A letter must be included from a certified bonding agency stating that a performance bond can be issued on behalf of the primary manufacturer. Failure to comply may be deemed as non-responsive.

A2.9 INDEMNIFICATION AND INSURANCE

This agency seeks to mitigate future liability exposure; therefore, all primary manufacturers will submit their Certificate of Insurance for evaluation. This agency will only consider a primary manufacturer with a minimum of Ten Million United States Dollars (\$10,000,000.00 USD) that is based on a **PER INCIDENT** basis. This insurance shall be issued by a company rated "A" or better as reported in the current edition of Bests Key Rating Guide, published by Alfred M. Best Company, Inc. Aggregate liability coverage will not be considered regardless of amount. Failure to comply will be deemed non-responsive.

A2.10 FAMILIARITY WITH LAWS

The primary manufacturer will be familiar with all Federal, State and Local laws, ordinance, code rules and regulations that may in any way effect the work. Ignorance on the part of the primary manufacturer is not acceptable.

A2.11 PRE-CONSTRUCTION CONFERENCE

The successful primary manufacturer shall be required to hold a pre-construction conference with representatives of this agency to finalize construction details. In the event it is deemed necessary by both parties that the conference be held at a location other than at this agency; the following shall occur. The primary manufacturer will provide adequate transportation, lodging, and meals for two (2) designated personnel from this agency. Further, if the location is in an excess of three hundred (300) miles from this agencies location, the transportation shall be by a commercial air carrier. Private or corporate aircraft may not be used.

A2.12 DRAWINGS

The primary manufacturer shall provide a set of drawings that accurately depict the vehicle as specified. The drawings will show all exterior and interior planes with dimensions. Failure to comply will be deemed non-responsive.

A2.13 EMPLOYEE STATEMENT

It is mandated by the United States Government that all employees currently and to be employed during the duration of this contract are not discriminated against because of their race, creed, color, sex, nationality origin and disability. Further, this agency must be satisfied that the primary manufacturer's labor pool is treated in a fair and equitable manner. Therefore, it will be the responsibility of the primary manufacturer to include a human resource statement outlining employment status, working conditions, and benefits.

One (1) Manufacturer Certified ISO 9001 Y__N__
00-01-4117

Bidder must be a registered and certified ISO 9001 manufacturer and provide documentation to support it's claim. NO EXCEPTIONS

One (1) WARRANTY Y__N__
00-02-8000

0.1 WARRANTY
One (1) == WC-Type 1 170 Module - 1.048 02/17/23 == Y__N__

One (1) CERTIFICATIONS REQUIRED Y__N__
00-05-0000

One (1) This unit built in accordance with KKK-A-1822-F in effect on Y__N__
00-05-0050

One (1) MD, This unit built in accordance with KKK-A-1822F CN 10 Cabinet Requirements Y__N__
00-05-0100
This unit shall be built to the KKK-1822F specifications including the Change Notice 11 changes dated July 1, 2018.

As evidence that the modular ambulance body meets the above criteria, the FSAM's shall furnish a certification that the modular ambulance body meets the testing requirements of SAE J3057.

Installed Oxygen cylinder, suction, cardiac monitor, and fire extinguisher mounting devices shall meet the performance requirements of SAE J3043.

- 1) All interior enclosed stowage devices shall be tested to their rated weight capacity in accordance with the requirements of SAE J3058.
- 2) Stowage devices shall not come open in transit.
- 3) Storage for the main oxygen cylinder shall be accessible for replacement from an outside position.
- 4) The oxygen compartment shall be provided with at least a 9 sq. in. of open vent to dissipate/vent leaking oxygen to the outside of the ambulance.
- 5) Oxygen cylinder compartment shall not be utilized for storage of any other equipment.
- 6) All interior enclosed stowage devices shall be labeled with their rated weight capacity.

A complete litter fastener assembly shall be furnished. The installed litter fastener device for wheeled cots shall meet the performance requirements of SAE J3027. The litter fastener device shall be installed according to the litter fastener manufacturer's instructions. The ambulance floor and substructure shall be tested in accordance with the dynamic requirements of SAE J3102.

The ambulance shall have a piped medical oxygen system capable of storing and supplying the minimum requirements in liters of medical oxygen as specified by the purchaser. The installed medical oxygen piping shall be leak tested to 80 PSI. After the successful completion of piping test, the system shall be completely assembled and the flow rate of the outlets tested with the system pressurized at normal working pressure. The system shall be capped then tagged with date and signature of person and firm performing the tests.

One (1)
01-00-0000

01- CHASSIS REQUIREMENTS

Y__N__

1. CHASSIS REQUIREMENTS

One (1)
01-01-2000

FORD CHASSIS

Y__N__

One (1)
01-01-2529

WC, 2023 Ford F550, XLT 4X2, 193"W/B, 18,000 GVWR (Special Order) 2023-1

Y__N__

3.0 TECHNICAL REQUIREMENTS CAB - CHASSIS

3.1 GENERAL VEHICULAR DESIGN, TYPES, AND FLOOR PLAN

The ambulance and the allied equipment furnished under this specification shall be the primary manufacturer's current commercial vehicle of the type and class specified. The ambulance shall be complete with the operating accessories as specified herein. It shall be furnished with such modifications and attachments as necessary and specified to enable the vehicle to function reliably and efficiently in sustained operation. The design of the vehicle and the specified equipment shall permit accessibility for servicing, replacement and adjustment of component parts and accessories with minimum disturbance to other components and systems.

3.1.2

The ambulance shall be a Type I, Class I, and shall be a chassis furnished with a two (2) door conventional cab. The chassis shall be suitable for subsequent mounting of a modular (containerized), transferable equipped ambulance body conforming to the requirements herein.

3.1.3

The design of the vehicle shall utilize floor plan "A" loading arrangement of patients into the patient compartment. All litters shall be loaded into position with the heads of the patients forward in the vehicle.

3.2 VEHICLE COMPONENTS, EQUIPMENT, AND ACCESSORIES.

The emergency medical care vehicle, chassis ambulance body, equipment, devices medical accessories and electronic equipment to be delivered under this contract shall be standard commercial products, tested and certified, to meet this specification. The vehicle shall comply with all Federal Motor Vehicle Safety Standards (FMVSS) and United States regulations applicable or specified for the year of manufacture. The primary manufacturer shall procure the chassis, components, equipment and accessories as specified and be the current technical data and materials of all suppliers.

3.3 MATERIALS

Materials used in the construction shall be new and meet the quality conforming to this specification. Materials shall be free of defects.

3.4 VEHICLE OPERATION, PERFORMANCE, AND PHYSICAL CHARACTERISTICS

The following is a description of the cab and chassis that will meet the requirements of this specification. In addition, the chassis will comply with paragraphs 3.4.1 through 3.6.14 of Federal Specification KKK-A-1822F.

3.5 CHASSIS MANUFACTURER AND MODEL YEAR

The chassis shall meet the requirements of this specification. It shall be a 2023 Ford.

3.6 MODEL PHYSICAL CHARACTERISTICS

Vehicle:	Ford Chassis Cab	
Body Style:	Super Duty F-550 Dual Rear Wheel	
Drive Train:	Rear Wheel Drive	
Model Number body code:	F5G Regular Cab 193" wheel base XLT	
Gross Axle Weight:	Front 7,500 lb.	Rear 12,000 lb.
Gross Vehicle Weight	Rating 18,000 lb.	
Engine Type:	99T 6.7L Diesel V8 with 98R Manual Regen	
Displacement	6.7 liters	
Fuel System	Turbo charged DI	
SAE net HP	330 @ 2600 RPM	
SAE net Torque	750 foot pounds @ 2000 RPM	
Wheelbase:	193 inches	
Transmission:	10 - speed Automatic, Electronic, w/Overdrive	

Rear Axle Ratio:	4:10 Ltd Slip
Tire Size:	LT225/70Rx19.5F, BSW All Season, 2 front, 4 rear
Spare Tire Size:	LT225/70Rx19.5F, BSW All Season
Wheels	All including spare, steel 19.5 x 6.0
Brakes:	4-Wheel ABS System
Engine Block Heater:	Code 41H
Alternator:	410 Alternator, Code 67B
Batteries:	Dual, 78-AH, 750 CCA
Fuel Tank:	Single 40 Gallon, aft of rear axle
Exterior Upgrade Package:	663A
Interior Upgrade Package:	663A
Cab seating:	Code 3- 40/20/40 cloth
Ambulance Prep. Package:	Code 47L
XLT Value Package Power Driver entry (Driver side) Rear window defrost, Remote start, Power adjustable pedals, Halogen fog lights.	Autolock/Unlock, Electrocromic Rear View Mirror, seat (8-way), Keypad keyless
Steering:	Power
Stereo entertainment system\	Sync 4 touch screen communication and
Running Lights	Day time Running Lights

4.5 ELECTRICAL GENERATING SYSTEM

The vehicle shall be equipped with the OEM supplied 410 amp alternator.

4.6 ENGINE AUTOMATIC HIGH IDLE SPEED CONTROL

The Engine high idle shall be regulated by the OEM supplied high idle speed control. The control shall be mounted in the cab console.

4.7 DRIVER'S COMPARTMENT

The driver's compartment shall be as required by paragraphs 3.9.1, 3.9.2, and 3.9.4 of Federal specification KKK-A-1822F as well as section 3.0 of this document. The cab shall be equipped with the chassis manufacturer's high back seats. The safety restraint system for the driver and passenger shall be installed by the chassis manufacturer. Modifications or substitutions of the chassis manufacturer's cab seats or restraint system will not be acceptable.

4.8 OUTSIDE REAR VIEW MIRRORS

The vehicle mirrors should be firmly secured, vibration less rear view mirrors totaling at least one hundred and twenty five square inches. The mirrors shall be OEM, manually telescoping trailer tow, power/heated glass, integrated clearance lights and turn signals, and a two-way fold.

One (1) Domestic Chassis Y__N__
01-02-0100

One (1) ALTERNATORS Y__N__
01-03-1000

One (1) Alternator - Standard OEM Y__N__
01-03-1001

– Alternator - shall be the standard alternator that the OEM chassis manufacturer installs on the ambulance prep package.

One (1) SUSPENSION Y__N__
01-06-0000

One (1) MD, Rear Suspension, Granning TransportMaster Air Ride, F550 Y__N__
01-07-6503

SUSPENSION SYSTEM

There shall be a Granning TransportMaster Air Suspension installed on the rear chassis axle. TransportMaster combines the durable R-Series drive axle suspensions with the latest air supply module the AirMaster. The model shall be #RD1470FLC-AM and shall be installed per the manufacturer's instruction. The

air suspension shall include a compressor, air dryer, ride height sensors, air tank, dump valves and air gauge. The AirMaster is factory certified leak free, eliminates air-line freezing, and dramatically improves compressor life relative to legacy air supply systems. The rear suspension shall only lower the module when the vehicle is in neutral or park and the parking brake is set.

One (1)
01-07-9120

MD, Auto Dump w/override Sw, For Air Suspension w/ indicator Lt.

Y__N__

The Air Suspension shall automatically lower the rear of the vehicle when the left rear entry door is opened. An override switch shall be mounted as directed by this Agency.

One (1)
01-13-1500

HIGH IDLE

Y__N__

One (1)
01-13-1675

High Idle Controls, OEM

Y__N__

HIGH IDLE

There shall be an automatic high idle when the unit is placed into park and the parking brake is set.

One (1)
01-17-7500

FRONT END ALIGNMENT

Y__N__

One (1)
01-17-7501

Front End Alignment, None- QC Check -Standard

Y__N__

CHASSIS FRONT END ALIGNMENT

The alignment of the unit shall be checked at the factory during the Quality Control Process. The unit shall only be sent for a front end alignment if it is determined necessary by the Quality Control procedures.

One (1)
01-19-0003

WC, Wheeled Coach Stainless Grille Logo, with Red Reflective backing

Y__N__

GRILLE LOGO

Wheeled Coach Mirror Stainless logo with red reflective backing in grille.

One (1)
01-20-0000

OUTSIDE REAR VIEW MIRRORS

Y__N__

1.20 OUTSIDE REAR VIEW MIRROR

One (1)
01-20-0104

Mirrors, OEM-STD

Y__N__

OUTSIDE REAR VIEW MIRRORS

The vehicle mirrors should be firmly secured, vibration less rear view mirrors totaling at least one hundred and twenty five square inches. The mirror shall be OEM.

One (1)
01-24-0000

WHEEL COVERS

Y__N__

Four (4) MD, Wheel Covers, Delete & Paint Outside ONLY of Rim (per tire) Y__N__
01-24-2024

WHEELS

There shall not be any after market wheel covers installed. The outside of the wheels shall be painted by the secondary manufacturer a color as determined by this Agency.

One (1) BASE CONVERSION Y__N__
01-45-0000

One (1) MD, Conversion, Type 1, 170 Module, F550 4x2 22-3 Y__N__
01-45-0225

One (1) MODULE BODIES: Y__N__
02-01-2018

One (1) MD, Interior Headroom, 72 Inches Y__N__
02-01-2122

INTERIOR HEADROOM

The interior headroom shall be a minimum of 72 inches.

One (1) MD, Module, Type 1, 170" Body Length, Duraseam Doors, Y__N__
02-01-3124

VEHICLE BODY AND PATIENT AREA

BODY ACCOMMODATIONS

The ambulance body and patient compartment shall be sufficient in size to meet the requirements of paragraph 3.10.1 of Federal Specification KKK-A-1822-F. The interior layout shall be such that a technician can administer life support treatments to at least one person during transport. The modular body shall be (153") one hundred fifty three inches in length.

PATIENT COMPARTMENT INTERIOR DIMENSIONS

Length: As measured from the bulkhead to the inside edge of the rear doors at the floor shall be at least one hundred and forty three inches. There shall be at least (25") twenty five inches but not more than (30") thirty inches of clear space at the head of the primary patient, measured from the face of the backrest of the attendant's to the forward edge of the style one cot.

Width: Shall be measured after the installation of the street side cabinets will be at least (44 3/4") forty four and three quarter inches between the cabinet wall and the face of the squad bench.

Height: The patient compartment shall provide at least (66") sixty six inches of height over the primary patient area from the floor to the ceiling.

Exterior Compartment sizes (Approximate)

Compartment 1- Street side forward - 77.5 inches High x 30.5 inches wide x 17 inches deep.

Compartment 2- Street side center - 37.75 inches High x 39.25 inches wide x 17 inches deep.

Compartment 4- Street side rear - 61.5 inches High x 34 inches wide x 17 inches deep.

Compartment 6- Curbside Rear - 80 inches High x 19 inches wide x 18.25 inches deep.

Compartment 6.5- Curbside fwd Rear - 22.5 inches High x 14.25 inches wide x 17 inches deep.

Compartment 8- Curbside forward - 60 inches High x 30 inches wide x 33.5 inches deep.

One (1)
02-01-3152

MD, Body Width 95" Standard

Y__N__

BODY WIDTH

One (1)
02-01-9564

The Module body shall be (95") ninety five inches wide.

MD, Aisle Space, 50", Type 1

Y__N__

AISLE SPACE

The space between the primary wall cabinet and the squad bench shall be 50". The compartment shall provide a minimum of 20" of clear aisle walkway between the edge of the primary patient cot and base of the nearest vertical feature measured along the floor. There shall be aluminum covers installed at the wheel well on both sides.

One (1)
03-00-0000

03 - MODULE EXTERIOR

Y__N__

3. MODULE EXTERIOR

One (1)
03-01-1501

MD, Type 1, General Body Construction Spec

Y__N__

GENERAL BODY CONSTRUCTION

It is the intention of this agency to specify a modular body that is constructed solely of aluminum including side skins, roof skin, all structural box tubing, corner and roof extrusions, tapping plates, gusset plates, retention plates, doors, door extrusions, sub structure moisture barrier and drip rails. The modular shall be engineered, built and warranted by the primary manufacturer. This agency will not

accept a proposal from a primary manufacturer, as defined within this document, that supplies a modular from an agency, builder, supplier, other than the primary manufacturer. This section shall be the construction parameters this agency has deemed as fair value. Primary manufacturers that deviate from these specifications may take exception as set forth in section A1.1.2.

The exterior of the body shall be constructed utilizing a full six sided box framework with a combination of high strength 6061-T1 and 6063-T6 alloy aluminum and having an outer surface of aluminum sheet with a temper and alloy of 5052-H32 for strength, weld integrity and corrosion resistance. The front, sides, and rear of the modular shall be configured from a single sheet of .090 aluminum. The one piece sheets shall be used to maximize integrity against dust, toxic fumes, cracking, and moisture penetration. The openings for doors, warning lights and exterior compartments shall be cut on the horizontal plane with a computer controlled plasma cutter for accuracy and integrity of temper. The roof and side skins shall be installed utilizing a very high bond adhesive to allow absorption of vibration and to eliminate "panning". The skins shall be welded to the interlocking extrusion framework at the outer perimeter of the sheets by a programmable robotic welder using a MIG welding tip and Argon gas.

The roof shall be a single .090 sheet of 5052-H32 alloy aluminum. The roof sheet shall be completely welded to the extruded roof assembly. The use of multi-section roofs shall not be acceptable due to the possibility of cracks causing environmental intrusion.

The roof substructure assembly shall consist of four perimeter roof rail extrusions, lateral roof bows and interconnecting corner caps. The roof rail extrusions shall be engineered and designed by the primary manufacturer and shall be double hollow of 6063-T6 .125 aluminum. An integrated roof recess shall be incorporated to create a smooth transition from the one piece roof sheet to the perimeter drip rail. The perimeter drip rail shall be extruded as a design feature of the roof rail extrusion. The roof rail extrusion shall overlay the side skin by one half inch. The roof sheet shall be seam welded to the perimeter roof extrusion. The lateral roof bows shall be two inch by two inch by .125 square extrusions of 6061-T6 alloy aluminum. The structural members shall be located to support the roof skin on fourteen inches between roof bows. The roof bows shall interconnect with the roof rails and be continuously welded at all contact points. The finished roof shall incorporate a machine rolled crown of not less than one and half inches in height to provide additional strength and allow water run off. A one inch by two inch by .125 6063-T6 extrusion shall be secured to the top of the vertical extrusions. The perimeter extrusion shall be welded to the vertical structures with a minimum of six inches of weld. An industrial adhesive shall be applied around the perimeter

before the roof assembly is mated to the sill. The roof structure shall be attached to the sill and welded. To insure a complete contact with the industrial adhesive mechanical fasteners shall be employed to cinch the roof structure to the sill.

The corner caps shall be designed to interlock with the roof perimeter, vertical corner extrusions and roof sheet. The corner caps shall be cast aluminum made from matched metal dies to insure a smooth and pleasing appearance. The caps shall act as a stress relief device to absorb energy and disperse the force along the roof extrusions in the event of a collision. The outer edge DOT lights shall be installed as described in section 5.1.

The corners of the modular body shall be designed and engineered by the primary manufacturer and constructed of 6063-T6 alloy aluminum. The corner extrusion shall be double hollow with a minimum thickness of .125 and .250 at the outer corner. The extrusion is designed with a unique forty five degree angled appearance while maintaining very high strength and impact energy absorption. A polyurethane sealer shall be applied to seal the crevice between the corner extrusions and the side assemblies.

The side assemblies shall be reinforced utilizing 6061-T6 alloy aluminum two by two box tubing. The side structures shall frame a perimeter around all door openings and shall be a minimum of .125 in thickness. Intermediate skin stiffeners shall be located to preclude skin deformation. Additional gusset plates shall be .250 inch aluminum and shall be welded at all contact points between the corner assembly and the roof perimeter.

This agency is extremely concerned with purchasing a vehicle from a primary manufacturer who can provide the necessary service after sale. Therefore, as previously stated the modular shall have a fifteen year warranty and be engineered, designed and built by the primary manufacturer.

This agency is extremely concerned that the modular body be designed and built with the highest level of integrity and quality. Documentation and certification that the modular body being proposed meets Static Load Test Code for Ambulance Body Structure AMD Standard 001 must be included with this proposal.

Quality and Safety Documentation.

The ambulance manufacturer responding to this vehicle specification shall demonstrate to this Agency that the ambulance being proposed offers the highest possible quality and safety standards.

To meet this Agency's requirements for quality the Bidder shall provide documentation that the ambulance manufacturer has in place a quality management system that meets the requirements of the International Organization for Standardization (ISO). A copy of the ISO Registration Certificate shall be included in the bid response.

To meet this Agency's requirements for safety standards the Bidder shall provide documentation that the ambulance manufacturer has conducted "dynamic" testing to validate the design, manufacturing processes, materials and workmanship used in the production of the ambulance proposed in response to this specification.

To validate the materials, manufacturing processes, quality management system and workmanship utilized in the installation of seats, seat belts, secondary restraining devices, cabinet construction, oxygen cylinder retention and module to chassis attachment a Hygee sled test shall be performed. This test shall simulate a frontal impact to the ambulance module at a minimal impact force of 20 g. A test report from a third party testing agency independent of the ambulance manufacturer shall be submitted with the bid response proving compliance to this requirement.

To validate the materials, manufacturing processes, quality management system and workmanship utilized in the construction of the modular body the Bidder shall provide documentation that the ambulance manufacturer has conducted a side impact crash test. The Institute for Highway Safety (IIHS) Crash Test Protocol Version 5 shall be used as a guideline for this testing requirement.

The "target" vehicle (Ambulance) shall be struck by the "bullet" (SUV / Pickup Truck) vehicle at the fore and aft center of gravity of the target vehicle. To comply with the requirements of this specification the bullet vehicle shall be a SUV or pickup truck with a minimum gross vehicle weight (GVW) of at least 4,000 lbs. To provide this Agency accurate data in a "real world" environment the use of a Moving Deformable Barrier (MDB) and cart as the "bullet" vehicle is not permissible.

The "target" vehicle (Ambulance) shall contain instrumented Anthropomorphic Test Devices (crash test dummy) meeting the following requirements and seating locations.

1. Squad Bench Hybrid 3 ATD instrumented with head, chest, and pelvic accelerometers, upper neck load cell, chest potentiometer, and femur load cells.
2. Ambulance Cot - Hybrid 3 ATD instrumented with head, chest, and pelvic accelerometers, upper neck load cell, chest potentiometer, and femur load cells.
3. Street Side CPR Seat - Hybrid 3 ATD instrumented with head, chest, and pelvic accelerometers, upper neck load cell, chest potentiometer, lumbar load cell, and femur load cells.
4. Attendant Seat EuroSID 2 ATD instrumented with head accelerometers, upper neck, abdomen, and pubic load cells, and rib potentiometers.

For the purpose of determining **PASS FAIL** results the Injury Assessment Reference Values (IARVs) from FMVSS 208, FMVSS 214 and the Insurance Institute for Highway Safety (IIHS) shall be used. A test report from a third party testing agency independent of the ambulance manufacturer shall be submitted with the bid response proving compliance to this requirement.

The above requirements are in addition to the current minimum requirements for testing as outlined in KKK-A-1822.

Additionally, all welders employed by the primary manufacturer shall be certified to the American Welding Society Standard AWS D12, and certification documents must be provided if requested.

All body welds shall not only be inspected by the primary manufacturer but shall also be inspected by an outside engineering firm and said firm shall conduct another visual inspection and a dye penetration test designed to reveal any flaws or imperfections in the welds. Documentation on this process must be provided if requested. **NO EXCEPTION.**

One (1)
03-01-1503

MD, Type 1, Vehicle Body Structure Spec

Y__N__

VEHICLE BODY STRUCTURE

All parts of the ambulance body, as specified in paragraph 3.10.6 of Federal Specification KKK-A-1822-F, shall, where applicable, be of welded construction. Where fasteners are used in such areas as hinge attachment, hardware attachment, etc., the fasteners shall be ceramic coated aluminum and stainless steel. Any hole drilled into the modular body painted surface shall be coated with an ECK corrosion inhibitor prior to installation of the part. **NO EXCEPTION.**

Tapping plates of 6061-T6 alloy aluminum varying in widths of one quarter to one half inch shall be welded to the framing to secure the installation of equipment such as; cabinets, benches, partitions, cylinders, cot fasteners, etc. The body and panel joints shall be watertight and all openings between the chassis and modular

shall be sealed. In addition a drip rail shall be supplied over each exterior compartment. The drip rail attached in such a manner as to provide for quick and easy replacement. Drips rails attached by mechanical fasteners shall not be used.

BODY MOUNTING

The mounting system shall not cause any chassis frame deformation. There shall be ten mounting points, five on each frame rail. The modular body shall have full perimeter welded sill rails of one half inch by two inch of 6061-T6 alloy aluminum and be attached to the vehicle utilizing one inch by three inch sill plates of 6061-T6 alloy aluminum. The modular body shall be welded to the sill plates at every exposed seam. At all outrigger mounting locations a double compression, neoprene rubber isolator mounts shall be used to minimize chassis vibration transfer to the modular body. The modular body and sill plates shall be attached to the frame rails using three quarter inch grade eight bolts. Any method contrary to QVM which may void the chassis warranty shall not be accepted.

FLOOR

The floor shall be at lowest level permitted by clearances, but not more than thirty three inches from the ground. The floor structure shall consist of two by two by .125 structural box section with 6061-T6 alloy aluminum. The floor structure shall be welded with eight inches of weld at every joint. The openings created for the placement of exterior compartments shall have six inches of weld to insure a smooth surface to fit the compartment in the structure. Tapping plates of one quarter inch and one half inch of 6061-T6 aluminum shall be completely welded both sides to the floor assembly. The finished floor assembly shall be securely welded to the wall structures with eight inches of weld and skipped welded every four inches to the exterior compartments. All critical load points shall be reinforced with one quarter inch by three inch by four inch gusset plates. Above the floor channels there shall be an aluminum moisture shield .050 inches thick. The entire underside of the modular shall be sealed with a waterproof sealant. All hollow structural shapes or cavities shall be sealed utilizing an approved expandable foam.

The rear patient access shall be equipped with an exterior aluminum threshold mount to the lower door jamb. This threshold will protect the bottom door jamb, in addition the rear patient floor shall have a fourteen gauge stainless steel cot protector.

EXTERIOR STORAGE ACCOMMODATIONS

The exterior compartments shall be constructed of .090 aluminum and shall be formed by a computer controlled brake and shear to decrease the amount of welding to fully enclose the compartment. The compartment therefore, shall be water tight. The compartment shall be welded in place to the side and floor structure with an additional bracket welded to a bracket connecting the exterior wall two with the floor structure. The floor of the exterior compartments shall be at least two inches below the lower door frame lip to help prevent equipment from falling out should a door not be closed. The compartment floor shall be supported from beneath with one by two by .125 6061 T-6 rectangular tubing welded to the underside and the floor structure. All exterior compartments shall be vented above the floor line with machine stamp louvers. The exterior compartment shall be lockable with one key fitting all doors. The compartments shall be equipped with handle and door locks. Each exterior compartment shall be provided with a sealed light to be illuminated upon the door opening. The light shall be activated by a magnetic switch. A door open indicator light shall be visible on the driver's console. The compartment configuration shall be as described.

PATIENT COMPARTMENT SOUND LEVEL

Shall meet the requirements of paragraph 3.13.8 of Federal Specification KKK-A-1822-F.

One (1)
03-03-0000

EXTERIOR MODULE CONSTRUCTION

Y__N__

One (1)
03-03-1040

MD, Stone Guard, Front, Diamond Plate, Type 1, Standard Height

Y__N__

FRONT STONE GUARDS

The lower front corners of the patient compartment shall have stone guards attached to the corner extrusion. They shall be diamond plate aluminum and extend from the bottom edge of the corner extrusion up approximately 12.5 inches. A corrosion inhibitor shall be applied to the mounting holes prior to installation.

One (1)
03-03-2505

MD, Drop Skirt- NONE

Y__N__

One (1)
03-03-8000

FUEL FILLS & SPLASH PLATE

Y__N__

One (1)
03-03-8030

MD, Housing Fuel Fill, Cast Aluminum, Type 1

Y__N__

FUEL FILL HOUSING

A cast aluminum fuel fill housing shall be installed according to the chassis manufacturers instructions.

One (1) DEF FILL HOUSING AND SPLASH PLATE Y__N__
03-03-8400

One (1) MD, DEF Fill, Housing, For Ford F series Y__N__
03-03-8615

DEF FLUID FILL

The vehicle shall be equipped with a cast aluminum DEF fluid fill bezel.

One (1) REAR KICKPLATE Y__N__
03-03-9000

One (1) WC, Rear Kick plate, Under-Ride Bumper, w/ Tag recess, No lights Y__N__
03-03-9066

REAR KICK PLATE (Under-ride)

Above the rear bumper and below the rear doors, there shall be a full length riser of aluminum diamond plate for a protective kick panel. The kick panel shall be securely fastened with ceramic coated stainless steel screws to inhibit rust that could result from electrolysis and run the full rear width of the module. Pop rivets are not acceptable. This kick panel shall be above the rear bumper height to allow the bumper to ride under the module in case of a minor collision minimizing damage to the module. There shall be a 1/4 inch thick rubber flap secured to the bottom of the kick plate and extending below the top of the bumper to prevent road debris from accumulating on top of the bumper pods.

One (1) SUB-FLOOR SYSTEM Y__N__
03-04-0000

One (1) MD, Flooring, 3/4" Marine Grade Plywood, Type 1 Y__N__
03-04-0166

FLOOR

A top floor of seven ply three quarter inch marine grade plywood, sanded both sides with no voids, shall be installed over the moisture barrier. The plywood shall be marine resin coated prior to installation to prevent warping due to ambient moisture absorption. The plywood floor shall be one piece from the bulkhead to the rear doors between the patient door steeple and squad bench and extend under the street side cabinets. The plywood floor shall be securely anchored to the floor sub structure with one quarter inch UNF machine by two and one half inch screws.

Does your bid comply with this requirement?

Yes () No ()

One (1) MODULE ENTRANCE Y__N__
03-05-0000

One (1) MD, Module Access, CS Door standard location Y__N__
03-05-0200

3.5 **MODULE ACCESS**

The module shall include one side entry door on the curb side of the module, and one set of double doors for entry to the rear of the module. The curb side door shall provide a clear opening that is approximately 30" W x 70"H. The rear double doors shall provide a clear opening that is approximately 50"W x 60"H.

One (1) MODULE DOORS, HANDLES & HOLD OPENS Y__N__
03-06-0000

One (1) WC, Duraseam Hinged Doors with Hidden Jamb Y__N__
03-06-0115

Duraseam Doors

All door frames to be cut to size using a programmable double miter saw to ashore accuracy and repeatability of components. All latch, door pins, switch and tapped hinge holes are to be added to door frame and jamb by means of a programmable milling operation to maintain consistency of all hardware cutout positions.

The outer face of door shall be formed from one sheet of 5052-H32 aluminum. The door shall be flush with the body side. The outer skin shall be bonded to the door frame with structural adhesive that meets ASTM D 412 tensile strength, elongation, and elastic modulus. Adhesive to utilizes micro spheres to maintain a constant bond thickness around the inside skin edge to seal entire skin to frame. The door frame shall meet exterior skin with a smooth seamless transition. There shall be no seams or crevices on the door or door frame which allows the possibility of corrosion.

Both patient compartment and exterior compartment doors shall be provided with extruded rubber seal system consisting of a hollow cell bulb gasket. The gasket shall insert into an appropriately designed groove in the inner door extrusion. This will provide the best seal possible. Glued on seals or seals that are mounted to the compartment openings are unacceptable as they will easily be torn by loading of equipment stored in the compartments.

All doors shall be attached using minimum ¼-20 stainless steel hex bolts with stainless steel piano hinge with a pin size of at least 0.250 inch in diameter. The hinge must be punched with 0.265 diameter holes for exact fit of door to jamb with ¼- 20 hex bolts. Maintaining the close tolerances allows a replacement door to be fabricated that will match the old door bolt pattern that can be mounted in exactly the same place with the close tolerances.

All compartment doors shall be constructed the same as the entry doors to ensure continued door alignment and matched latching capabilities. All access doors must be encased by a door jamb that is separate from the body skin and bonded in place with the same structural adhesive as described in paragraph two on page one. After jamb is bonded to skin both skin and jamb are to be routed with the same radii as the door skin. After bonding to skin, the jamb is also welded to the 2" X 2" tubular body frame members. The door jamb shall be a 0.125"/0.380 thick 6063-T6 aluminum extrusion

The interior surface of the patient compartment doors (rear and curb side) shall be finished in a safe and attractive manner that harmonizes with the interior finish. The door panels shall be designed to allow removal without disturbing the door latching hardware. The door panels shall be attached using automotive speed clips in conjunction with foam pads to enhance sound deadening. Door panels must be flush fitting not overlay. Doors using pliable materials such as upholstery are prohibited due to greater risk of contamination by blood borne pathogens through stitching or when cut or torn.

The three (3) patient compartment doors shall be fitted with stainless steel, flush fit, "paddle latch" hardware on the interior and an "automotive style" handles on the exterior. The patient compartment doors shall be provided with a keyed lock and the rear doors and side door shall be lockable from the inside without a key per FVMSS. All patient compartment doors shall have emergency release handles to activate rotary latches in the event of door component failure.

All entry and compartment doors shall be insulated with 2-1/2" thick closed cell block foam insulation.

When the doors are opened, the hinges, latches and door checks shall not protrude into the access area. All patient compartment doors shall employ the same type locking hardware. All door latches shall comply with requirements of FVMSS 206

The locking devices shall be two-stage rotary latches and shall be FMVSS 206 certified. Where applicable there shall be two door latches, one at the top and one at the bottom, controlled by a single locking handle. The Latches shall into an adjustable "Nader" type pin located in the door frame. The Nader pin will utilize a captive nut to provide adjustment and replacement without loss of nut plate. The locking system shall be activated from the locking handle by metal push rods.

The outside door handles shall be a rugged "automotive style" that are near flush with door skin. These handles shall provide adequate clearance for the use of gloves. The hand/ glove clearance area of the handle shall be a minimum of .812" deep and 4.125 long. On the curb side and rear doors, the inside handle shall be a

“paddle style” type constructed from stainless steel and shall be equipped with an inside door lock. All exterior storage compartments and module entry doors shall be lockable with the same key.

The compartment and entry doors shall be painted separately from the body. The doors shall then be installed on the painted module jamb. A Corrosion inhibitor shall be applied to both the door frame and jamb side of the hinge leafs. Additional corrosion inhibitor to be applied in all screw holes in both door frame and jamb.

One (1) MD, Hold Open Rear Entry Doors, (2) 5.5" Cast Grabber Y__N__
03-06-0713

REAR DOOR HOLD OPENS

The rear doors shall be held open by (2) 5.5 inch Cast Grabber. The U shaped piece shall be attached to the door. It shall enter into a rubber insert when the door is in the open position. A corrosion inhibitor shall be applied to the mounting holes prior to installation.

One (1) MD, Hold Open - Gas Strut, Curb Side Entry Door, 35# Y__N__
03-06-0817

CURBSIDE ACCESS DOOR HOLD OPEN

The curbside access door shall have a gas strut hold open to hold the door at approximately 90 degrees.

One (1) WC, Patient Entry Door Handles, Trimark Black/Chrome Pull Handle w/"SafePass" Y__N__
03-06-1027

PATIENT ENTRY DOOR LATCHES, HINGES AND HARDWARE

When the doors are opened, the hinges, latches and door checks shall not protrude into the patient compartment. All patient doors shall employ the same type of locking hardware. All door latches shall comply with FMVSS 206. The locking devices shall be two stage rotary latches and shall be in accordance with FMVSS. There shall be two door latches, one at the top and one at the bottom, controlled by a single locking handles. The latches shall lock into an adjustable Nader type pin located in the door frame. The Nader will utilize a captive nut to provide adjustment and replacement without loss of the nut plate. The door latching mechanism shall have an upper and lower patented Push Button “Emergency Release Latch” to allow egress from the vehicle if a system failure should occur.

The door handles shall be Trimark OEM style pull handle with a large enough space for gloved hands to operate the handle. The door handles shall be free floating with 1008 cold rolled steel mechanical components with Nitrotec treated wear components. The locks shall be a KeyOne Plus lock cylinder with a reversible key. The KeyOne Plus system allows the lock core to be removed with a special key and allows it to be re keyed for additional security and keying fleets the same. The rear trailing door shall have a patented side release paddle handle

that removes the necessity of reaching inside the patient compartment door. The door entry system shall have been tested to 100,000 cycles.

The locking system shall be from the locking handle by aluminum push rods. The patient compartment doors will be equipped with an inside door lock. All entry doors shall have horizontal aluminum reinforcements welded to the door frame and the entry doors shall have closed cell block foam insulation.

One (1) WC, Rear Entry Door Trailing Latch, Side release Paddle Y__N__
03-06-1047

TRAILING DOOR HANDLE

The rear entry trailing door shall have a patented side release paddle handle that removes the necessity of reaching inside the patient compartment door.

One (1) MD, Electrical Feed to Required Doors, Spring Protector (per Door) Y__N__
03-06-4201

SPRING PROTECTORS

The manufacturer shall provide spring protectors for the wiring to enable electrical devices to be installed on the side and rear entry doors. The spring protector will be secured at both ends (on the door and at the adjacent wall) to provide an effective, stable mounting point to prevent chafing, and to promote the long term reliability of the function it supports.

One (1) POWER DOOR LOCKS Y__N__
03-06-5999

One (1) WC, CLICK TO ADD, Power Door Locks Y__N__
03-06-6001

Two (2) WC, Power Door Lock, Trimark, Each Entry Door Y__N__
03-06-6120

POWER DOOR LOCKS

The module entry doors shall include power door locks that enable remote activation.

Six (6) WC, Power Door Lock, Trimark, Each Compartment Door Y__N__
03-06-6121

POWER DOOR LOCKS

The six (6) compartment doors shall include power door locks that enable remote activation.

One (1) MD, Switch, Momentary Rocker, Activate Power Door Locks Y__N__
03-06-6130

A momentary rocker switch shall be located as determined by this Agency and enable the power door locks for the compartment and entry doors.

One (1) MD, Relay Control Circuit, Power Door Locks Y__N__
03-06-6137

One (1) MD, Circuit, OEM Door Lock to activate Mod Doors Y__N__
03-06-6140

A circuit shall be installed to enable the power door locks for the compartment and entry doors to be operated off the OEM cab door lock switches.

One (1) ENTRY DOOR INNER PANELS Y__N__
03-06-7000

One (1) WC, Entry Door Panels, Durasafe, S/S,w/ Chevrons & Red Reflective LOGO Y__N__
03-06-7335

MODULE ENTRY DOOR PANELS

The upper and lower portion of the curbside and rear access door panels shall be brushed stainless steel. The center shall be reflective chevron covered aluminum. The lower panel shall have the Brand logo cut out of the panel and an insert with reflective 3M material installed behind the panel.

One (1) SIDE DOOR STEP Y__N__
03-08-0000

One (1) MD, Side Entry Step Well, Type I, Aluminum Diamond Plate Y__N__
03-08-2112

SIDE ENTRY STEP WELL

Inside the side entry door, a step well shall be constructed using bright aluminum diamond plate. The approximate size shall be 30.75" wide with a 15" tread and 9.5" riser. All seams must be welded, sealed and shall have sound deadening material applied to the underside.

One (1) MD, Light, Side Entry Step well, Peterson, M126c Y__N__
03-08-3052

A step well light shall be provided in the step well area of the modular curb side door and shall be activated upon opening the curb side or rear modular doors.

One (1) WINDOWS Y__N__
03-09-0000

One (1) MD, Window, Upper, CS/Slider, Rr/Fixed, Privacy Tint, PAN Y__N__
03-09-4109

WINDOWS

The window frame shall be of an extruded aluminum design with a protective anodized finish. The curbside entry door window shall include a sliding window to allow for fresh air when needed. The two rear door windows shall have fixed glass. The glass shall have a privacy tint.

The curbside window shall have the following dimensions: 26 1/2 inches high and 19 1/2 inches wide. The rear windows shall be 22 1/2 inches high and 13 1/2 inches wide.

One (1)
03-10-0000

MODULE TO CHASSIS MOUNTING SYSTEM

Y__N__

One (1)
03-10-1210

MD, Module to chassis mounting system, Type I

Y__N__

BODY TO CHASSIS MOUNTING

The mounting system shall not cause any chassis frame deformation. There shall be ten mounting points, five on each frame rail. The modular body shall have full perimeter welded sill rails of one half inch by two and a half inch of 6061-T6 alloy aluminum. The modular body shall be welded to the sill plates at every exposed seam. At all outrigger mounting locations a double compression, neoprene rubber isolator mounts shall be used to minimize chassis vibration transfer to the modular body. At all four corners of the body between the floor structure shall be a one half by six inch structural plate that shall be bolted to the sill plate with a 1/2 inch grade eight bolt. The modular body and sill plates shall be attached to the frame rails using three quarter inch grade eight bolts. Any method contrary to QVM which may void the chassis warranty shall not be accepted.

One (1)
03-11-0000

CAB TO MODULE

Y__N__

One (1)
03-11-2502

MD, Bellows, Pass thru, Unigrip, F1 2008+,

Y__N__

CAB TO MODULE

The modular body shall be attached to the cab chassis by means of a rubber bellows with one hundred and fifty square inches of open viewing area. The back window of the chassis cab shall be replaced with a painted aluminum insert adhered to the to the back of the chassis cab with an industrial grade adhesive. This procedure must be in strict compliance with chassis builders guidelines. The entire structure shall be caulked and painted with the process identical as described for the module. The center section of the insert shall incorporate and integral, flange designed to provide a secure installation platform for an expandable rubber boot attaching the cab to the module.

One (1)
03-12-0000

REAR BUMPER AND REAR STEP CONSTRUCTION

Y__N__

One (1)
03-12-2503

MD, Rear Bumper w/ Skids & Flip Up, F1/C1, w/LED DOT lights

Y__N__

BUMPERS AND STEP

The chassis manufacturer shall supply the vehicle's front bumper. The rear bumper and step assembly shall be a single unit constructed of ten gauge steel "C" formed channel and .100 inch thick aluminum tread plate as measured at the thinnest point of the tread plate. The center step of the bumper assembly shall be designed to allow it to flip up and out of the way to facilitate patient loading. The flip up section of the of the rear bumper shall be diamond plate to meet the requirements of KKK-A-1822-F specification. The diamond plate flip up step shall be punched with three rows of raised star-shaped holes to create additional non-skid surface. A 1.5" x 2" x 0.125" aluminum box tube shall be welded inside the step full width on the side farthest from the rear of the vehicle. A stainless steel hinge with a center pin of .250 inch shall be used to attach the flip up section of the rear step to the main rear bumper assembly. There shall be eye beam constructed skid plates with tow eyes mounted as part of the frame of the bumper. This assembly shall be bolted to the frame of the chassis with 5/8 inch Grade 8 bolts. There shall be a one half inch clearance between the bumper assembly and the rear of the modular body to allow water drainage and inhibit water collection. There shall be a two inch red LED marker light on the street side and curb side of the bumper assembly. These lights shall be a sealed unit and the connectors protected with an adhesive heat shrink. The lights shall illuminate with the vehicle head light control.

One (1)
03-12-2550

MD, Coating, Polyurethane, Rear Bumper Supports

Y__N__

RUBBER COATING

The rear bumper supports shall be sprayed with a Polyurethane rubber coating in a black color. The product has high tensile strength, excellent abrasion resistance, superior elongation, high non-skid rating, and excellent UV stability and weathering characteristics.

One (1)
03-13-0000

INSULATION

Y__N__

One (1)
03-13-3006

MD, Insulation, Walls and Ceiling, R11 Fiberglass Batt

Y__N__

BODY INSULATION

The module walls and ceiling shall be insulated with 2 1/4" thick, R-11 (expanded) fiberglass batt insulation. Applications using thickness greater than this shall NOT be acceptable because it will increase compression density and results in less insulating value overall. Plank foam insulation (1-7/8" thick) shall be installed in the exterior compartment doors. This insulation shall not interfere with the workings of the door latching hardware.

One (1)
03-14-9999

RUB RAIL AND FENDER RINGS

Y__N__

One (1) WC, Rub Rails, Skirt Line, Extruded "C" channel (E-one Style) Y__N__
03-15-6650

SKIRT RAILS

Skirt rub rails will be installed to protect the lower body and will extend the entire length of the body on the curb and street sides, exclusive of the wheel well area. They shall be made from custom 'C' channel that is cut at 45 degree angles on the ends. The rub rail shall be bolted to the lower side wall panel with ¼" nylon spacers. A corrosion inhibitor shall be applied to the mounting holes prior to installation.

One (1) MD, Fender Flare, Bright Finish Aluminum Y__N__
03-15-8356

REAR FENDERS

Bright finish aluminum fender flares shall be provided around the rear wheel well openings to provide protection from wheel wash. A corrosion inhibitor shall be applied to the mounting holes prior to installation.

One (1) SPLASH GUARDS AND RUNNING BOARDS Y__N__
03-16-0000

One (1) WC, Mud Flaps, Rear, w/ Wheeled Coach Logo Y__N__
03-16-1721

REAR MUD FLAPS

Wheeled Coach Logo mud flaps shall be installed just behind the rear tires.

One (1) MD, Running Boards, F450/550 w/Gator Grip Y__N__
03-16-3605

RUNNING BOARDS

Diamond plate running boards shall be installed just under the cab doors for both the driver and passenger. The diamond plate step shall be punched with rows of raised star-shaped holes to create additional non-skid surface. The boards shall allow for easy entry into the cab.

One (1) DRIP RAILS Y__N__
03-17-0000

One (1) MD, Drip Rail Trim Moldings Over Door Openings Y__N__
03-17-1020

DRIP RAIL MOULDING

Above each entry and compartment door (excluding doors within 6" of the roof drip rail), an extruded anodized bright finish aluminum drip rail shall be fastened to the body with Acrylic structural adhesive tape. These drip rails must be finished to eliminate rough or sharp edges.

One (1) CAB TO PATIENT AREA ACCESS Y__N__
03-19-0001

3.19 CAB TO MODULE ACCESS

One (1) MD, Bulkhead, Unigrip, Type 1F/D, Pass Thru, w/ Sliding Lexan Window Y__N__
03-19-2301

BULKHEAD CABINET

A bulkhead cabinet shall separate the cab from the patient compartment with a 150 square inch transparent, shatterproof sliding window to allow access between the two while providing privacy.

One (1) LICENSE PLATE HOLDER Y__N__
03-20-0001

3.20 LICENSE PLATE HOLDER

One (1) WC, License Plate Holder, Cast LP0002-1 for Under ride Bumper Y__N__
03-20-4053

LICENSE PLATE HOLDER

A Cast Products license plate holder shall be installed in the rear kick plate.

One (1) EXTERIOR COMPARTMENT CONSTRUCTION Y__N__
04-01-0000

4. MODULE COMPARTMENTS

4.1 EXTERIOR COMPARTMENT CONSTRUCTION

Four (4) MD, Exterior Compartment, Std, Floor 2.5" Drop Down from Door Opening, Each Y__N__
04-01-0502

EXTERIOR COMPARTMENTS

The bottom of compartments #2, #4, #6 and #6.5 shall drop down 2.5 inches from the door opening for maximum storage space in the compartment. This will also help prevent items stored in the compartment from falling out if on uneven surface.

Two (2) MD, Exterior Compartment, Sweep out, Each Y__N__
04-01-0504

EXTERIOR COMPARTMENTS

The bottom of compartments #1 and #8 shall be flush with the door opening to provide for a sweep out design. Sweep out on compartment #1 shall allow for ease of loading the oxygen bottle.

One (1) MD, Door Sill Protector, Stainless, All Comps Y__N__
04-01-3017

COMPARTMENT SILL PROTECTORS

All compartments shall have a stainless steel sill protector. The sill protectors shall be manufactured from 20 gauge stainless steel and cover the bottom door frame protecting it from scratches.

Six (6)
04-01-5106

MD, Polyurethane Coating per compartment

Y__N__

RUBBER COATING

The interior of the compartments shall be sprayed with a Polyurethane rubber coating in a gray color. The product has high tensile strength, excellent abrasion resistance, superior elongation, high non-skid rating, and excellent UV stability and weathering characteristics.

One (1)
04-02-0000

EXTERIOR COMPARTMENT DOORS

Y__N__

4.2 EXTERIOR COMPARTMENT DOORS

Six (6)
04-02-0506

WC, Compartment Comp Handle, Trimark, Oval Pull Handle, Black/Chrome

Y__N__

COMPARTMENT DOOR LATCHES, HINGES AND HARDWARE

When the doors are opened, the hinges, latches and door checks shall not protrude into the patient compartment. All compartment doors shall employ the same type of locking hardware. All door latches shall comply with FMVSS 206. The locking devices shall be two stage rotary latches and shall be in accordance with FMVSS. There shall be two door latches, one at the top and one at the bottom, controlled by a single locking handles. The latches shall lock into an adjustable Nader type pin located in the door frame. The Nader will utilize a captive nut to provide adjustment and replacement without loss of the nut plate.

The compartment door handles shall be Trimark OEM style handle with a large enough space for gloved hands to operate the handle. The door handles shall be free floating with 1008 cold rolled steel mechanical components with Nitrotec treated wear components. The locks shall be a KeyOne Plus lock cylinder with a reversible key. The KeyOne Plus system allows the lock core to be removed with a special key and allows it to be re keyed for additional security and keying fleets the same. The compartment door entry system shall have been tested to 50,000 cycles. The door handle shall be mounted to the exterior door panel using mechanical fasteners and rubber gaskets that will eliminate the possibility of electrolysis. All doors shall have closed cell block foam insulation.

One (1)
04-02-0514

WC, Compartment Door Latch, Edge Paddle, Trimark, Trailing Door

Y__N__

TRAILING DOOR HANDLE

The trailing door shall have a patented side release paddle handle that removes the necessity of reaching inside the patient compartment door.

One (1)

COMPARTMENT DOOR HOLD OPEN

Y__N__

04-02-7700		
One (1) 04-02-7751	MD, Hold Open, Gas Strut, Ext Comp, 60lb COMPARTMENT DOOR HOLD OPEN	Y__N__
	One (1) Compartments shall have a 60 pound gas strut in lieu of a spring loaded hold open.	
Five (5) 04-02-7753	MD, Hold Open Gas Strut, Ext Comp, 30lb COMPARTMENT DOOR HOLD OPEN	Y__N__
	Five (5) Compartments shall have a 30 pound gas strut in lieu of a spring loaded hold open.	
One (1) 04-02-7757	MD, Hold Open, Gas Strut, RF Comp, 30lb COMPARTMENT DOOR HOLD OPEN	Y__N__
The right front One (1) 04-03-0000	compartment shall have a 30 pound gas strut in lieu of a spring loaded hold open. COMPARTMENT LIGHTING	Y__N__
One (1) 04-03-1479	MD, Oxygen Light, 3" Surface mount Whelen LED, Clear OXYGEN LIGHT	Y__N__
	The exterior compartment that houses the Oxygen Bottle shall have a Whelen 3" round LED light, surface mounted, with dedicated power and ground wires.	
Six (6) 04-03-1483	MD, Compartment Light, LED, Whelen #TOCACCCR, 2in, Each COMPARTMENT LIGHTS	Y__N__
	The exterior compartments shall be illuminated by six (6) Whelen 2" round LED lights, rubber grommet mounted, with dedicated power and ground wires.	
One (1) 04-06-0000	COMPARTMENT #1 - STREETSIDE FWD	Y__N__
One (1) 04-06-0450	MD, Compartment #1, 3/4 High COMPARTMENT 1	Y__N__
	Compartment 1 is the drivers side forward compartment.	
One (1) 04-06-0475	MD, With Dogleg for Stair chair in Compartment #1, COMPARTMENT 1	Y__N__

One (1) 04-07-0000	Compartment 1 shall have a dogleg in the forward section of the compartment approximately 59 inches high by 12 inches deep by 21.75 inches deep. This recess shall be for storage of a Stair chair. COMPARTMENT #2 - STREETSIDE FWD WHEELWELL	Y__N__
One (1) 04-07-2144	WC, Compartment #2, 50" Aisle, Standard Configuration COMPARTMENT 2	Y__N__
One (1) 04-07-2630	Compartment 2 is on the drivers side just forward of the rear wheel. MD, Compartment #2, Shelf, Fixed, Electrical storage, w/ Divider EXTERIOR ELECTRICAL SHELF	Y__N__
One (1) 04-07-9200	A fixed exterior shelf shall be located in the left center compartment "2" near the top of the compartment. It shall serve the sole purpose of holding electrical equipment. Add Dogleg in Comp #2 for Recessed Suction in Face of A/A	Y__N__
One (1) 04-08-2100	There shall be a dogleg in the compartment "2" to allow the suction container on the interior to be recessed into the face of the action area. MD, Compartment #3, NONE	Y__N__
One (1) 04-09-0000	COMPARTMENT #4 - STREETSIDE AFT	Y__N__
One (1) 04-09-3245	MD, Compartment #4, 3/4 Height. COMPARTMENT 4	Y__N__
One (1) 04-09-4550	Compartment 4 is the drivers side rear compartment. MD, Compartment #4, Shelf, Adjustable, w/Aluminum Track, First Shelf EXTERIOR COMPARTMENT SHELF	Y__N__
One (1) 04-11-0000	The exterior compartment shelves shall be manufactured from 0.125 inch aluminum. Each shelf shall have a 0.125 inch thick ribbed rubber mat. The shelf track shall be a heavy duty extruded aluminum. There shall be one shelf in the left rear compartment. COMPARTMENT #6 - CURBSIDE AFT	Y__N__
One (1) 04-11-1097	MD, Compartment #6, Full Height	Y__N__

COMPARTMENT 6

One (1) Compartment 6 is the passenger side rear compartment. Y__N__
04-11-2090 MD, Compartment #6, First Divider, Vertical, 3/16" Thick, Recessed Adj Track

EXTERIOR VERTICAL DIVIDERS

One (1) vertical divider(s) shall be located in compartment 6. They shall be manufactured of 3/16 inch thick aluminum and be painted with scratch resistant gray rubber coating. The divider shall be approximately 11 inches wide and extend from the top of the compartment to the bottom. Y__N__
One (1) MD, Compartment #6, Equipment Strap, Seat Belt Style, Each
04-11-4652

EQUIPMENT STRAP - SEAT BELT STYLE

One (1) adjustable nylon web tie-down strap(s) with seat belt style connectors will be installed in the __ compartment(s) to secure equipment to be specified by this agency. The strap shall be secured to the compartment wall(s) with two (2) footman's loops. Y__N__
One (1) COMPARTMENT #6.5 - CURBSIDE AFT WHEELWELL
04-12-0000

One (1) WC, Compartment #6.5, Below Squad Bench Floor Level Y__N__
04-12-0130

COMPARTMENT 6.5

One (1) Compartment 6.5 is on the passenger side just behind the rear wheel. Y__N__
04-14-0000 COMPARTMENT #8 - CURBSIDE UPPER FORWARD

One (1) MD, Compartment #8/8.5, Single Door Y__N__
04-14-2120

COMPARTMENT 8

One (1) Compartment 8 is the passenger side forward compartment. Y__N__
04-14-8010 MD, Compartment #8, Shelf, Adjustable, RF Cabinet, First shelf w/Aluminum Track

EXTERIOR COMPARTMENT SHELF

The exterior compartment shelves shall be manufactured from 0.125 inch aluminum. Each shelf shall have a 0.125 inch thick ribbed rubber mat. The shelf track shall be a heavy duty extruded aluminum. There shall be a shelf in the RF Compartment/Cabinet. Y__N__
One (1) MD, Compartment #8, Shelf, Adjustable, Additional, for Aluminum Track, Each
04-14-8015

EXTERIOR COMPARTMENT SHELF

One (1)
05-01-0001

There shall be one (1) additional shelves in the RF Compartment/Cabinet.
INTERIOR TRIM AND FEATURES

Y__N__

5 **MODULE INTERIOR**

One (1)
05-01-0105

MD, Interior Cabinets, Duralite Construction, Wood, CN10 compliant

Y__N__

INTERIOR SURFACES

All vertical edges of cabinets shall be of an aluminum extrusion with a 3/4 inch radius designed to free the interior of the patient's compartment of all sharp edges or projections. The face and inside of the cabinets shall be covered by a commercial grade laminate, adhered to the cabinet face by a high quality poly vinyl adhesive using a thermal press application. The wood, adhesive and laminate shall be pressed together at 200 degrees for four minutes in a thermal platen press. There shall be no voids of the adhesive between the laminate and the cabinet surfaces.

CABINET CONSTRUCTION

The interior cabinets, squad bench assembly, shelves and doors shall be constructed of Marine Grade Featherply plywood; due to the product's ability to be customized to fulfill the needs of this agency, the additional acoustical and thermal insulation properties, repair ability, and the safety factor of not producing sharp fragments or shards in the event of a serious collision. The thickness of the finished panels used to construct the cabinets, shelves and doors shall be 3/4 inches including mica and adhesive. Any construction materials that provides anything less than 3/4 inch panels in cabinet construction is not acceptable to this agency.

The squad bench lid shall be attached to the squad bench assembly via a stainless steel piano hinge the entire length of the bench. The squad bench shall be equipped with a locking device to automatically secure the lid upon closing. The patient compartment wall panel (behind the squad bench) and the cabinet compartment wall panel shall be constructed of 1/4 inch plywood and covered with color coordinating high pressure laminate.

The cabinets shall be constructed using 8 mm dowels placed no farther than 32 mm apart. The dowels shall be a hardwood and pre-glued. There shall also be .063 Aluminum corner gussets and fishplates installed in key points along the cabinet seams for additional strength.

The wood doors on the cabinets shall be flush mounted using continuous stainless steel piano hinge and a 3 mm edge banding. All doors and cabinet openings shall be covered with a 3 mm edge banding with radius edges.

INTERIOR STOWAGE ACCOMMODATIONS

The interior of the patient compartment shall provide but not be limited to a minimum volume of thirty cubic feet of enclosed cabinets. Each cabinet shall be labeled as to it's rated weight capacity. Interior cabinet, shelf and compartment space shall be conveniently located for medical supplies, devices or other equipment. All interior cabinets shall be fully lined inside with high-pressure plastic laminate. The equipment and supplies necessary for airway management shall be within easy reach of the medic at the head of the stretcher. Interior cabinet dimensions are as described.

One (1) INTERIOR ADJUSTABLE SHELVES Y__N__
05-02-0000

5.2 **INTERIOR ADJUSTABLE SHELVES**

Where specified, interior shelves shall be made of .063 inch anodized aluminum. The shelves shall be infinitely adjustable, and bolt into position to prevent rattling. Shelf bottoms shall be lined with non-hygroscopic removable shelf liner. The front edge of the shelf shall be covered with a push on plastic trim to prevent chafing.

Four (4) MD, Shelf, Interior, Wood , (1) adjustable, in Cabinet Y__N__
05-02-0050

INTERIOR CABINET SHELVING - 3/4" PLYWOOD

All interior cabinet shelves shall be constructed of 3/4" plywood with commercial grade high pressure plastic laminate on both sides. The front edge will be finished with an aluminum angle which shall provide a 1/2" high lip to help retain items placed on the shelf.

Four (4) MD, Shelf Track, Cabinet, #HA24663, CN 10 Upgrade Y__N__
05-02-0054

One (1) HEADLINER Y__N__
05-06-0000

5.6 **HEADLINER**

One (1) WC, Headliner, Flat, PVC, Hinged trough cover, 160"+ Y__N__
05-06-2860

MODULE HEADLINER

The module headliner shall be manufactured out of expanded PVC material. The liner shall be white and installed to allow flush mounting of the interior lighting.

Does your bid comply with this requirement?

Yes () No ()

One (1) FLOORING Y__N__
05-06-9999

5.7 FLOORING

One (1) MD, Flooring, Lon Seal "Lonplate II " Y__N__
05-07-0120

FLOORING

The finish flooring shall be one (1) piece, heavy duty commercial grade vinyl (Lon Seal Lon Plate II), permanently adhered to the sub-floor.

Because of this agency's concern for ease of cleaning and decontamination (when necessary) where the floor and the sidewall cabinets and squad bench base it shall be rolled up the vertical wall 3".

One (1) MD, Color, Gunpowder Gray #424TX Y__N__
05-07-0121

The flooring color shall be Gunpowder Gray #424TX.

One (1) MD, Floor, Thresholds, .063 Aluminum , Painted w/Black Poly-urea coating Y__N__
05-07-9897

THRESHOLDS

The curbside and rear entry thresholds shall be 5052H32 .063 Aluminum coated on the upper side with a black poly-urea coating to help prevent slipping. This coating shall be a permanent spray on coating not a grip tape adhered to the aluminum.

One (1) Entry Door Grab Handles Y__N__
05-10-1500

One (1) MD, Entry Door Grab Handles (3), Custom "L" Shape, 1", Yellow Y__N__
05-10-1529

ENTRY DOOR GRAB HANDLES

On each entry door there shall be an L shaped grab handle. The vertical portion of the L shall be close to the hinge of the door and run the full length of the upper window in the door. The horizontal portion of the L shall be located just under the upper window. The grab handles shall be 1 inch diameter yellow painted stainless steel and handicapped style.

One (1) Ceiling Grab Rail - Center Y__N__
05-10-1900

One (1) MD, Ceiling Grab Rail, Overhead,112", 1" diameter Handicap Style, Yellow Y__N__
05-10-1931

OVERHEAD GRABRAIL

An overhead grab rail shall be installed on the patient compartment head liner. The grab rail shall be yellow powder coated stainless steel and 1" diameter handicapped style with rounded ends. The grab rail shall be a minimum of 112 inches long and shall be mounted on the liner.

One (1)
05-11-0000

IV FLUID HANGERS

Y__N__

5.11 PLASMA HANGER

Two (2)
05-11-0015

MD, IV Hook, Perco Snap Hook w/Velcro Strap, Each

Y__N__

IV HOLDER, ADDITIONAL

There shall be an additional IV hook with straps located XXXXX.

Does your bid comply with this requirement?

Yes () No ()

One (1)
05-13-0000

ACTION WALL AREA #2

Y__N__

One (1)
05-13-3087

WC, Cabinet, A/A, 50" Aisle, No Bio waste, w/Recessed Suction, Rounded Corners

Y__N__

ACTION AREA CABINET

The action area shall provide for easy access to switches located in the action from the attendant seat, squad bench and CPR seat, if applicable. The switches shall be located in an angled cabinet on the back wall of the action area. The suction container shall be recessed into the aisle facing face of the action area cabinet below the tray surface.

One (1)
05-13-4322

MD, Tray, A/A, 50" Aisle, No Bio waste, Poured, Gray

Y__N__

ACTION AREA TRAY

The top of the action area cabinet shall provide a clean work area. The countertop shall be one piece with a one inch lip around the tray. The tray shall be manufactured from molded polyester resin to provide a seamless countertop. The tray shall be topped with a durable top coat of Gray gel coat. NO EXCEPTION. This tray is mandatory to facilitate cleaning and contain any fluids or bio.

Does your bid comply with this requirement?

Yes () No ()

One (1)

MD, AA Upper Cabinets, U2.5 Angled, U2 , U1, 3/4H Comp #1

Y__N__

05-13-4402

STREETSIDE FORWARD UPPER CABINET

Cabinet "U2" shall be located on the street side of the patient compartment. It shall be the forward upper cabinet just above the action area. The cabinet shall be divided into three separate cabinets "U1", "U2", and "U2.5". Cabinet "U2.5" shall be 14 inches high, 9 3/4 inches wide, and 17 3/4 inches deep. Cabinets "U2" and "U1" shall be equal in size 14 inches high, 20 1/2 inches wide and 17 3/4 inches deep.

One (1)
05-13-4426

CABINET DOORS

Y__N__

One (1)
05-13-4492

MD, Doors, U1 Gray Poly carbonate Slider, CN 10 Compliant

Y__N__

CABINET "U1" DOOR

The door to cabinet "U1" shall be a gray poly carbonate slider. The door handles shall be self latching when closed. This door meets SAE J3058.

One (1)
05-13-4510

MD, Door, U2 Gray Poly carbonate Slider, CN 10 Compliant

Y__N__

CABINET "U2" DOOR

The door to cabinet "U2" shall be a gray poly carbonate slider. The door handles shall be self latching when closed. This door meets SAE J3058.

One (1)
05-13-4522

MD, Door, U2.5 , Hinged Wood

Y__N__

CABINET "U2.5" DOOR

The door to cabinet "U2.5" shall be a solid wood door hinged on the right.

One (1)
05-14-0015

Interior Street side #3 - CPR Seat

Y__N__

5.14 STREETSIDE C.P.R SEAT AREA #3

One (1)
05-14-1532

MD, CPR side seat, Fixed Backrest, 25" wide Std.

Y__N__

CPR SIDE SEAT

A CPR side seat shall be located just above the rear street side wheel well. Seamless upholstered cushions shall be located on the bottom and rear wall of the seat area. Cushions shall also be located above the head area for safety.

One (1)
05-14-1534

MD, CPR, Lid, Hinged Flip Up

Y__N__

CPR SEAT STORAGE

A small storage area shall be located under the CPR seat and just above the wheel well. The storage shall be accessed by lifting a lid which holds the bottom seat cushion.

Does your bid comply with this requirement?

Yes () No ()

One (1)
05-14-1547

MD, Cabinet U3.5

Y__N__

STREETSIDE REAR UPPER CABINET

Cabinet "U3.5" shall be located on the street side of the patient compartment. It shall be the rear upper cabinet just above cabinet "C3.5" and shall be 13.5 inches high, 26.75 inches wide, and 19.5 inches deep.

One (1)
05-14-1577

MD, Cabinet C3.5, deleted For Telemetry Area

Y__N__

STREETSIDE MIDDLE CABINET

Cabinet "C3.5" shall be Deleted for a rear flat surface for Telemetry Area tray.
MD, Cabinet L3.5, full height, std

One (1)
05-14-1587

Y__N__

STREETSIDE MIDDLE LOWER CABINET

Cabinet "L3.5" shall be located on the street side of the patient compartment. It shall be the middle lower cabinet just below cabinet "C3.5" and shall be 15.0 inches high, 22.0 inches wide, and 19.5 inches deep.

One (1)
05-14-4418

MD, "U" Barrier Bar, Padded, 1.5" SS, CPR Seat, Gunmetal

Y__N__

CPR SEAT BARRIER BAR

A 7 1/2" high x 6 7/8" wide "U" shaped 1.5" stainless steel barrier bar shall be installed even with the upper head strike area forward of the CPR side seat. This bar shall be fitted with a padded upholstery cover to match the units interior. The padding for the bar will be 1" block foam on each side of a PVC cover shaped to fit over the bar.

One (1)
05-14-4552

MD, Telemetry Tray, Poured, Gray

Y__N__

TELEMETRY TRAY

The top of the telemetry cabinet shall provide a clean work area. The countertop shall be one piece with a one inch lip around the tray. The tray shall be manufactured from molded polyester resin to provide a seamless countertop. The tray shall be topped with a durable top coat of gray gel coat. NO EXCEPTION.

Does your bid comply with this requirement?

Yes () No ()

One (1) CABINET DOORS Y__N__
05-14-4579

One (1) MD, Doors, U3.5 Gray Poly carbonate Slider, CN 10 Compliant Y__N__
05-14-4592

CABINET "U3.5" DOOR

The door to cabinet "U3.5" shall be a gray poly carbonate slider. The door handles shall be self latching when closed. This door meets SAE J3058.

One (1) MD, Doors, L3.5, Gray Poly carbonate Slider, CN 10 Compliant Y__N__
05-14-4650

CABINET "L3.5" DOOR

The door to cabinet "L3.5" shall be a gray poly carbonate slider. The door handles shall be self latching when closed. This door meets SAE J3058.

One (1) STREETSIDE REAR AREA #4 Y__N__
05-15-0000

One (1) MD, Cabinet U4 Y__N__
05-15-5050

STREETSIDE REAR UPPER CABINET

Cabinet "U4" shall be located on the street side of the patient compartment. It shall be the rear upper cabinet and shall be 13.5 inches high, 20.25 inches wide, and 19.5 inches deep.

One (1) MD, Cabinet C4, Inside/Outside Access Y__N__
05-15-5112

STREETSIDE REAR MIDDLE CABINET

Cabinet "C4" shall be located on the street side of the patient compartment. It shall be the rear most middle cabinet and shall be 20.75 inches high and 31.75 inches wide. The opening shall provide access to compartment "#4".

One (1) MD, Cabinet L4, Deleted Y__N__
05-15-5118

One (1) MD, Doors, U4 Gray Poly carbonate Slider - CN 10 Compliant Y__N__
05-15-6115

CABINET "U4" DOOR

The door to cabinet "U4" shall be a gray poly carbonate slider. The door handles shall be self latching when closed. This door meets SAE J3058.

One (1) MD, Doors, C4, Gray Poly carbonate Slider - CN 10 Compliant Y__N__
05-15-6127

CABINET "C4" DOOR

The door to cabinet "C4" shall be a gray poly carbonate slider. The door handles shall be self latching when closed. This door meets SAE J3058.

One (1)
05-16-0000

SQUAD BENCH AREA

Y__N__

One (1)
05-16-0048

WC, Squad Bench, Bio-Waste @ Head

Y__N__

SQUAD BENCH CABINET

The squad bench cabinet shall be located on the curb side of the patient compartment over the rear wheel well. The squad bench shall be a minimum of 72 inches long and be constructed of three quarter inch birch. The lid shall be attached to the squad bench assembly via a stainless steel piano hinge the entire length of the bench. The hinge shall attach with fasteners in a vertical position through the face of the lid and not through the edge of the cabinet and lid. The squad bench shall be equipped with a locking device to automatically secure the lid upon closing. The squad bench shall be furnished with two sets of 6 Point safety belts for seated occupants and three Two point belts for the retention of a cot when positioned on the squad bench. The anchorages for the side facing seat belt assembly shall withstand a minimum of 2,500 pounds force when tested in accordance with FMVSS 210-S5.1. A full length cushion shall be installed on the squad bench lid and on the wall as a back rest. The interior of the squad bench shall provide storage the full length of the bench. At the head of the squad bench shall be a built in trash disposal area. A trash can shall be accessible under a red flip up lid, and a sharps container's circular opening shall be accessible through a round cutout in the squad bench lid. Both the trash can and the sharps container may be removed from the squad bench by lifting up a sectioned portion of the squad bench lid.

Does your bid comply with this requirement?

Yes () No ()

One (1)
05-16-0074

MD, Lid, Squad Bench, Single W/Bio-Waste

Y__N__

SQUAD BENCH LID

The squad bench shall have a full length lid that shall be manufactured from three quarter inch birch. The lid shall be covered in color coordinating high pressure laminate.

Does your bid comply with this requirement?

One (1) Yes () No ()
05-16-0080 MD, Handle, Trimark, CPR Seat, Std. Y__N__

SQUAD BENCH LATCH

The squad bench lid shall be secured with a paddle handle that latches automatically when the squad bench lid is closed. The latch shall hold the lid secure during transit and shall not open unless the handle is lifted.

Does your bid comply with requirement?

One (1) Yes () No ()
05-16-0082 MD, Handle, Trimark, Squad Bench, STD Y__N__

SQUAD BENCH LATCH

The squad bench lid shall be secured with a paddle handle that latches automatically when the squad bench lid is closed. The latch shall hold the lid secure during transit and shall not open unless the handle is lifted.

Does your bid comply with requirement?

One (1) Yes () No ()
05-16-0094 MD, Strut, Gas, 30 LB, Installed Y__N__

SQUAD BENCH HOLD OPEN, ADDITIONAL

When the squad bench lid is lifted, it shall be held in place by an additional 30 pound pneumatic hold open.

Does your bid comply with requirement?

One (1) Yes () No ()
05-16-0214 MD, Seatbelt, Assy, (4 Point), Per 4Max, Black, Vert. Mount, (1) Each, CN-8 Y__N__

Seat Belts

The one (1) 4-point black restraint shall be fully retractable and utilizes four retractors for increased mobility. The restraint shall feature **controlled deceleration technology** and a **single buckle** for single point-of-release. The restraint shall meet the requirements of FMVSS 209 and 302 standards. The

restraint shall have a built-in indicator to signify that the webbing has undergone a severe load and needs to be replaced.

Two (2)
05-16-0214

MD, Seatbelt, Assy, (4 Point), Per 4Max, Black, Vert. Mount, (1) Each, CN-8

Y__N__

Seat Belts

The two (2) 4-point black restraint shall be fully retractable and utilizes four retractors for increased mobility. The restraint shall feature **controlled deceleration technology** and a **single buckle** for single point-of-release. The restraint shall meet the requirements of FMVSS 209 and 302 standards. The restraint shall have a built-in indicator to signify that the webbing has undergone a severe load and needs to be replaced.

One (1)
05-16-0222

MD, Patient Restraint Belts, Squad Bench (3)

Y__N__

Patient Restraint Belts

There shall be three patient restraint belts that shall be retractable for a secondary patient on the squad bench. The restraint shall meet the requirements of FMVSS 209 and 302 standards.

One (1)
05-16-9920

CURBSIDE REAR

Y__N__

One (1)
05-16-9923

MD, Cabinet, Curbside Rear, Standard

Y__N__

CURBSIDE REAR CABINET

The curbside rear cabinet shall be a cabinet wall type close out around the right rear compartment.

One (1)
05-17-2508

MD, Cabinet, Glove Box Holder, (3), Above C/S door,

Y__N__

GLOVE HOLDER CABINET

A cabinet shall be installed above the curbside entry door to hold three boxes of gloves. Each glove box shall be accessed through a hole in a Lexan flip up door. The boxes shall be replaced by lifting up the door.

Does your bid comply with this requirement?

Yes () No ()

One (1)
05-18-0000

CURBSIDE RIGHT STACK STORAGE #8

Y__N__

One (1)
05-18-0035

MD, RF ALS, Split Upper/Lower, HVAC at Top

Y__N__

RIGHT FRONT CABINET

The right front cabinet shall house the Heating and Air Conditioning unit which shall be located at the top of the cabinet. There shall be two openings into the patient area for the right front cabinet, an upper and lower openings, these areas shall be inside and outside access.

One (1)
05-18-5158

MD, Doors, RF, U8, Dual Gen III OHO, Poly carbonate Doors, Gray

Y__N__

RIGHT FRONT UPPER CABINET DOORS

The upper right front cabinet shall have dual gray Poly carbonate doors. The doors shall have an integral handle incorporated into the frame of the door for One Hand Operation.

One (1)
05-18-5354

MD, Doors, RF, L8, Dual Gen III OHO, Poly carbonate Doors, Gray

Y__N__

RIGHT FRONT CABINET DOORS

The lower right front cabinet shall have dual gray Poly carbonate doors. The doors shall have an integral handle incorporated into the frame of the door for One Hand Operation.

One (1)
05-19-0000

ATTENDANT SEAT

Y__N__

5.19 ATTENDANT SEAT

One (1)
05-19-6902

MD, Attendant's Seat, EVS 1880, Comfort, Hi-Back Child Safety w/Per4Max

Y__N__

ATTENDANT'S SEAT

A high back, rear facing automotive style attendant's seat shall be provided and installed adjacent to the Action Area. It shall be an EVS brand "Safety Seat" and shall feature a child safety seat incorporated into the design. A 4 point Per4Max safety harness system shall be provided.

One (1)
05-19-6904

MD, Color, Gunmetal, Per4Max Belt, Black

Y__N__

ATTENDANT SEATING

Seating for the attendant shall consist of a contoured high back padded bucket seat with bolstered seat cushion. The seat covering shall be an easy clean vinyl material and be impervious to blood borne pathogens and other contaminants. Therefore, cloth seats or seats with welting seams or visible stitching will not be accepted. The vinyl shall be gunmetal gray. Seating must meet OSHA regulation 1910.1030. The seat belt must be certified to KKK-A-1822F specification and to FMVSS and shall be an integrated black Per4max harness. An integrated child safety seat shall be incorporated in the seat. Installation shall comply with FMVSS.

One (1)

MD, Attendant's Seat Base, EVS CBS Box Style

Y__N__

05-19-7215

ATTENDANT'S SEAT BASE

An EVS brand box style steel seat base shall be provided for the rear facing attendant's seat. The assembly shall be bolted to the floor through mounting plates welded into the floor structural tubing.

One (1)
05-19-9999

INTERIOR COLORS

Y__N__

One (1)
05-20-0015

MD, Mica, Light Gray Gloss

Y__N__

INTERIOR SURFACES

The cabinets shall be a light gray gloss color.

Does your bid comply with this requirement?

Yes () No ()

One (1)
05-20-5700

UPHOLSTERY

Y__N__

One (1)
05-20-5918

MD, Upholstery Color, Gunmetal

Y__N__

The upholstery color shall be "Gunmetal"

Three (3)
05-20-5970

WC, Backrest Cushion, EVS, Gunmetal, w/ WC Logo, Each

Y__N__

CUSHIONS

On the squad bench wall and the CPR side seat wall (if called for) will be individual backrest cushions in gunmetal gray to match the upholstery. These cushions will be seamless with the ambulance manufacturers logo.

One (1)
05-21-8000

CABINET LATCHES- INTERIOR

Y__N__

One (1)
05-21-8213

MD, Latch, Southco M1, 2" S/S, (3/4" door) Non-Locking, CN 10-Rated 10lb

Y__N__

CABINET DOOR LATCHES - NON-LOCKING

One (1) Southco non-locking 2" round M1 latch(es) with chrome finish shall be installed in cabinet doors as indicated in the attached drawings.

One (1)
05-21-8213

MD, Latch, Southco M1, 2" S/S, (3/4" door) Non-Locking, CN 10-Rated 10lb

Y__N__

CABINET DOOR LATCHES - NON-LOCKING

One (1) Southco non-locking 2" round M1 latch(es) with chrome finish shall be installed in cabinet doors as indicated in the attached drawings.

Two (2)
05-21-8219

MD, Latch, Southco M1, 2" S/S, (3/8" Door) Non-Locking, CN 10-Rated 10lb

Y__N__

CABINET DOOR LATCHES - NON-LOCKING

Two (2) Southco non-locking 2" round M1 latch(es) with chrome finish shall be installed in cabinet doors as indicated in the attached drawings.

One (1)
06-01-0000

GENERAL WIRING

Y__N__

6. ELECTRICAL GENERAL

One (1)
06-01-0130

MD, Electrical System: Printed Circuit board

Y__N__

ELECTRICAL SYSTEMS AND COMPONENTS

The emergency medical vehicle's electrical system must meet KKK-A-1822F Section 3.7.1. This agency will specify systems, components, materials, and production methods within this section. However, a failures can occur whether the vehicle is under warranty or outside the warranty parameters. This agency operates the vehicle on a twenty four hours a day, seven day a week (24/7) basis. Therefore, the primary manufacturer will provide a local service facility during regular business hours and a 24/7 support service staffed by trained technicians to assist this agency.

Local service facility _____

24/7 Service assistance, phone number _____

The driver and patient compartment control consoles shall be constructed in a way that the switches and any gauges are easily serviced. They shall be accessible through service panels. These panels will be secured in the closed position in a positive manner, yet can be easily opened for service.

5V-10-0050

The control console gauges shall be internally illuminated and controlled by the headlight switch rheostat. All lights and fixtures installed on the module exterior shall have a corrosion inhibitor applied to all mounting holes prior to installation.

5V-10-0055

The driver and patient console shall incorporate full size "Euro-Style" rocker switches. The switch assembly shall be 1.97 inches tall by 1.064 inches wide with silver plated copper contacts and a .250 inch spade type terminal. The rocker switch shall incorporate a LED indicator lamp and rated at 15 Amps continuous service. The switch and rocker shall be of a thermo set molding material. The complete switch assembly shall be designed to withstand one thousand (1,000) volts RMS dielectric test. The switches shall have a positive "throw" feel and an audible click upon activation and deactivation

5V-10-0060

The rocker switches, as described in section 4.1.3, shall have integrated label lens area that is illuminated by two independent LED's. The LED brightness shall be controlled by the headlight rheostat. The label shall be white legends on black poly carbonate background.

5V-10-0065

The OEM throttle monitor shall be mounted in the primary manufacturer's console. It shall be mounted to be easily accessible to the driver.

5V-10-0070

WARNING INDICATORS

The electrical system shall incorporate a warning light panel in the driver's console. It shall provide indicator lights for showing when a patient compartment door(s), side and rear, are open. This shall be a flashing red LED light. There shall be an exterior compartment "door open" warning light. This shall be a flashing red LED light of the same size.

5V-10-0075

A battery indicator light shall be provided. It will be a green light located in the warning light panel. It shall illuminate when the battery switch is in the "ON" position. The light shall be steady burn to indicate the batteries have been selected.

5V-10-0080

WIRING INSTALLATION

The ambulance body and accessory electrical equipment shall be served by circuit(s) separate and distinct from the vehicle chassis circuits. Wiring methods must conform to SAE J1292. All wiring provided by the primary manufacturer shall be copper and conform to all the SAE J1127 and SAE J1128 requirements. All low tension primary cable shall have GXL or better insulation. All low tension battery cable shall have SGX insulation. Documentation from the wiring manufacturer that the wire used by the primary manufacturer is in compliance with this requirement shall be submitted with the proposal. Bids not meeting this requirement will not be accepted.

5V-10-0085

The wiring shall be permanently color coded to identify wire function. Wires shall be permanently heat ink embossed with both number and function codes. The function code shall be the descriptive name of the circuit served. The number code shall be the exact purpose of that circuit. This number code shall be completely referenced in a detailed wiring schematic provided with the vehicle. The function and number code shall be embossed at a minimum of four inch intervals the entire length of the wire terminating into all switch and control panels. The use of multi-conductor cable must be function and color coded and shown on the wiring diagram.

5V-10-0090

Wiring shall be routed in conduit or high temperature looms with a rating of 300 degrees Fahrenheit where necessary to protect it. All added wiring shall be located in accessible, enclosed, and protected locations and kept at least six inches from the exhaust system components. Electrical wiring and components shall not terminate or be routed in the oxygen storage compartment except for the oxygen controlled solenoid, compartment light, and switch. All conduits, looms, and wiring shall be secured to the body or frame with insulated metal cable straps in order to prevent sagging and movement which results in chafing, pinching, snagging or any other damage. All apertures on the vehicle shall be properly placed in a grommet and sealed for passing wiring and conform to SAE 1292. All items used for protecting or securing the wiring shall be appropriate for the specific application and be standard automotive, aircraft marine, or electronic hardware.

5V-10-0095

Circuit connections shall be made on barrier style terminal blocks utilizing binding post screws for positive mechanical connections. minimize the potential

for wiring shorts and voltage drops all wiring terminals shall be brass, tin plated, annealed, ETP copper with nylon high heat insulation. Serrations, inside the barrel, provide maximum contact and tensile strength after crimping. Connection shall be machine crimped, to UL standards, with a high quality crimping tool that produces crimps for a given size wire and terminal that are precisely alike in appearance and performance. Crimping pressure must be controlled by a ratchet device on the hand tool or a corresponding pre-calibration in the crimping jaws of an automated machine. Crimping pressure can neither over-stress nor under stress the terminal-barrel-machined dies.

5V-10-0100

No splices shall be permitted except for connection of "pig-tail" devices. Butt splices are permitted for connection of "pig-tail" devices. The use of IDC (Insulation Displacement Connector) connectors, i.e.: "3M Scotchlok" type fasteners, is not acceptable.

5V-10-0105

The various wiring installations as supplied with this vehicle shall be of the automotive "harness" design. For ease of identification and future replacement these harnesses shall be engineered and manufactured in the following sections.

1. Engine compartment harness.
2. Driver's control console harness.
3. Main module harness.
4. Chassis rear lighting harness.

This agency is extremely concerned the primary manufacturer has the ability to control, warranty and replace the harnesses. To that end, the primary manufacturer shall not subcontract the construction of these harnesses.

5V-10-0110

WIRING CRITERIA AND CIRCUIT BOARD

All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated carry a minimum of one hundred and twenty-five percent (125%) of the maximum ampere load for which the circuit is protected. All wires carrying a load of more than 5 amperes shall be a minimum of 16 AWG. There shall be a master electrical

component panel located in the vehicle. It is preferred that the master panel be mounted on or near the bulkhead of the patient compartment. Standard circuit breakers, relays, and diodes shall be mounted on a printed circuit board that is easily accessible. All components on the circuit board are to be permanently labeled as to their function.

5V-10-0115

The printed circuit board shall be designed and manufactured as follows: A screen printed board with all circuits fully numbered and labeled. The circuit board shall be a double-sided copper trace printed circuit with a double-sided laminated isolator. The board shall be non-photo image able solder mask over bare copper with hot air leveled solder over non masked copper. Fuse capacity is the beginning factor in calculating trace width to ensure proper current carrying capability. The circuits shall then be oversized as much as space permits for maximum cooling of the board. All holes shall be plated through. The terminal strips shall be mounted on the board for connection of the above mentioned wiring harness. Automotive transient suppressers must be incorporated into circuit board at the point of cable entry to the board. All relays must include built in noise suppression. The suppression must be accomplished with a IN4001 parallel with the coil. The relay must have a 40 ampere continuous contact rating with one form C contact arrangement. Normally open contact must have a maximum initial voltage drop of 200 millivolts at 40 ampere contact load. The relays must withstand 24 VDC for five minutes conducting rated contact current in case of accidental 24 volt jump start condition. Circuit board options must be programmable via jumpers to facilitate addition of options. The color of wire and circuit number must be screened printed at the terminal block connections on the board for rapid identification and relation to schematics.

Documentation that the above requirements are met must be included with the bid document.

5V-10-0120

The printed circuit board shall incorporate red LED indicators for on board diagnostics for input, output, and switching circuits for troubleshooting at a glance.

5V-10-0125

CIRCUIT BOARD CERTIFICATION

The printed circuit board must meet the following specifications:

1. Packaging and Interconnecting Acceptability Standard number IPC 600
2. UL-796
3. Solder mask, IPC number SM-840
4. Solder in conformance with MIL SPEC QS-571
5. Laminate in conformance with IPC number 4101

Certification must be included with this bid.

5V-10-0130

A service loop of wire or harness, per KKK-A1822-F specification, shall be provided at all electrical components, terminals, and connection points. All relays shall be mounted for ease of serviceability. All high current diodes greater than 5 amperes shall be heat sink mounted. provide the optimum circuit "overload" protection, the electrical system's main circuit board shall allow for the use of stud type automatic reset pole breakers. One spare 15 ampere circuit breaker shall be provided for future use. A solid state electronic flasher shall be heat sink mounted to the panel for control of the flashing warning light system. All wiring between the cab and module shall be connected to a terminal strip(s) or block(s) or use multi pin connectors on the electrical component panel and shall provide for future module replacement. All connectors and terminals provided shall comply with SAE J163, J561, or J928 as applicable.

5V-10-0135

MASTER MODULE DISCONNECT SWITCH OR DEVICE

This device shall be located on the driver's compartment console and shall be permanently labeled and back lighted with a LED light and the brightness controlled by the head light rheostat. The "MASTER" disconnect switch shall be considerably different in size and feel from the other console switches.

5V-10-0140

PATIENT COMPARTMENT CONTROLS

All switches and controls for the patient compartment shall be located on a service panel in the Action Area angled slightly toward the rear of the vehicle. The switches and controls shall be identical as referenced in section 4.1.3 of this document. These switches shall not function until the "MASTER" switch in the

driver's console is in the "ON" position. The patient compartment switches shall be permanently marked and back lighted by a LED light.

5V-10-0145

ELECTROMAGNETIC RADIATION AND SUPPRESSION

Must meet KKK-A-1822-F specification. Documentation from an independent testing laboratory must be included with the bid.

One (1) MD, Vanner, "E" Spec, PC Board, No LB Y__N__
06-01-0250

One (1) CAMERAS Y__N__
06-05-0000

One (1) MD, Camera - Exterior Back-Up, ZORG over Rear Doors for Ford F-series Y__N__
06-06-1245

REAR CAMERA

The vehicle shall include a ZORG White color backup camera mounted on the exterior of the module over the rear doors. This commercial grade IR camera boasts a 150 degree viewing angle with optional parking lines. With 18 IR LEDs, this camera shows a clear picture at night for as far as 45ft. With its heavy duty aluminum body, -20°C - 75°C operating temperature, and IP69K Waterproof rating, this camera can handle itself in tough environments.

The camera shall be wired to turn on when the vehicle is placed in reverse. The camera shall be fed directly to the OEM Digital Display in the dash.

One (1) COMMUNICATION Y__N__
06-06-1599

6.6 COMMUNICATION

Two (2) MD, Coax Cable, RG58/U, Each, Terminate: Y__N__
06-06-5538

One (1) MD, Light, in Circuit Board Area, for Electrical Troubleshooting Y__N__
07-00-0610

ELECTRICAL TROUBLESHOOTING LIGHT

A small light with a switch shall be installed in the circuit board area for troubleshooting. The light shall be wired battery hot.

Does your bid comply with this requirement?

Yes () No ()

One (1) POWER SOURCES Y__N__
07-01-0000

One (1) MD, Power Source, 12VDC, 20A, Ignition/Shoreline Hot Y__N__
07-01-1002

POWER SOURCE

A 12VDC power source shall power customer supplied portable battery charging devices. It shall be 20 amp and ignition/shoreline switch hot. The power source shall be split into two locations tagged and identified (1) behind driver's seat and (1) behind action area in module.

One (1) MD, Power Source, 12 VDC, 15 Amp (+-), Ignition Hot Y__N__
07-01-1008

POWER SOURCE

A 12VDC, 15 amp power source shall power shall be installed in a location as determined by this Agency.

One (1) MD, Power Source, 12 VDC, 30 Amp (+-), Constant Hot Y__N__
07-01-1016

POWER SOURCE

A 12VDC, 30 amp power source shall power shall be installed in a location as determined by this Agency.

One (1) VOLTMETER Y__N__
07-02-0000

One (1) MD, Alarm, Low Voltage, Audio/Visual Y__N__
07-02-1155

LOW VOLTAGE ALARM

The electrical system shall be monitored by a system that provides both an audible and visual warning in case of low voltage in the ambulance. The alarm shall sound if the system voltage at the batteries drops below 11.8 Volts for a 12 Volt nominal system for more than 120 seconds.

One (1) MD, Voltmeter, Glowshift , Digital Y__N__
07-02-1157

VOLTMETER

The vehicle shall include a Glowshift Digital voltmeter. It shall be located in the front center console next to the ammeter.

One (1) BATTERY SYSTEM Y__N__
07-04-0000

7.4 BATTERY SYSTEM

The battery system shall utilize the OEM ignition switch to disconnect module power and ignition loads. The batteries shall be connected in parallel and wired directly to the OEM starter. There will be no inline splices for miscellaneous equipment, shunts or alternative electrical devices.

The ambulance electrical system shall include an ignition switch controlled battery system providing power directly to the power distribution center. The power distribution, harness distribution and all related components shall be located in a dedicated bulkhead cabinet.

There shall be a 5 minute delay prior to the batteries being disconnected from the module. The ignition switch, when shut off, will activate a timer that will leave the batteries on for five minutes so that the module dome lights can be left on for patient unloading or vehicle restocking.

One (1) MD, Battery Sw, 5min Timer, F1, Fig 5B, Batt under Hood Y__N__
07-04-8721

BATTERY SYSTEM

The vehicle shall be supplied with a dual 12 volt battery system. Two OEM batteries. The battery system shall be wired in accordance with KKK-A-1822F. The system must meet SAE J541 for starter circuit voltage drop. The batteries shall be activated through the OEM ignition switch. The ignition switch shall only turn off power to the module and not to the chassis circuits. When the ignition is shut off a five minute timer keeps the module powered up for unloading patients. A momentary rocker switch shall be installed which will disable the timer. It shall be labeled TIMER BYPASS. It shall be located on the side of the center console.

The unit shall be designed with SecureAmp™ Technology (patent pending). This system automatically disables all the parasitic loads at 11.6 Volts , preventing battery drain and subsequent damage to the batteries. The system will reset after the unit is started and the charging voltage reaches 13.6 volts enabling all loads.

One (1) MD, Battery Charger, Conditioner, Progressive Dynamics, PD9130 Y__N__
07-09-1007

BATTERY CHARGER

A Progressive Dynamics, PD9130 Auto battery charger shall be installed. It shall be a 12 amp charger/conditioner.

One (1) 12VDC OUTLETS Y__N__
07-10-0000

One (1) MD, Outlet, Power Point Style, (2), A/A Y__N__
07-10-1101

INTERNAL 12 VOLT DC POWER

The patient compartment shall be furnished with a 12 volt DC, 20 ampere capacity, separately protected circuit, with two outlets. The outlets shall be Cigar Lighters and shall be located in the Action Area.

One (1) MD, Power Outlet, Kussmal, USB Dual Port, 5VDC, 4.8 Amp, switch panel Y__N__

07-10-1109

PORT 5 VOLT DC POWER USB STYLE

The Cab console switch panel shall be furnished with a 5 volt DC, 4.8 ampere capacity, separately protected circuit, with a Dual USB outlet.

One (1)
07-10-1111

MD, Power Outlet, Kussmaul, USB Dual Port, 5VDC, 4.8 Amp, switch panel, Each

Y__N__

PORT 5 VOLT DC POWER USB STYLE

The patient compartment shall be furnished with a 5 volt DC, 4.8 ampere capacity, separately protected circuit, with a Dual USB outlet. It shall be located in the action area switch panel.

One (1)
08-01-0000

FRONT CONSOLE

Y__N__

One (1)
08-01-3525

WC, Console, Drivers Switch & Radio, Center, Aluminum, Black, Type1 Ford

Y__N__

INSTRUMENT CONSOLE

A black polyurea coated .125 aluminum console shall be installed house the switching panel and radio installation. This console shall be attached under the dash below the line of sight of the driver. The console shall extend the full length of the cab between the driver's and passenger's seats. Provisions shall be made available for storage of convenience items for the crew. An access panel shall be installed on the top of the console facilitate servicing.

One (1)
08-01-4645

WC, First Panel Position

Y__N__

One (1)
08-01-4646

WC, Second Panel Position

Y__N__

One (1)
08-01-4652

WC, Single Blank Panel

Y__N__

BLANK PANEL

There shall be a single height blank panel installed under the Switch Panel. This will allow the end user to install radio's at a later date without taking apart the entire console.

One (1)
08-01-4654

WC, Double Blank Panel

Y__N__

BLANK PANEL

There shall be a double height blank panel installed under the Switch Panel. This will allow the end user to install radio's at a later date without taking apart the entire console.

One (1)

WC, View Safe Switch Panel , Type 1 Only

Y__N__

08-01-4665

VIEW SAFE SWITCH PANEL

There shall be a black polyurea painted switch panel comprised of polyethylene terephthalate embedded with micro-carbon fibers secured to the center console. This switch panel shall be angled in such a way to provide easier viewing and an ergonomic alternative to improve crew comfort. The switch panel shall accommodate thirteen (13) Eaton switches, four (4) indicator lights, one (1) dual USB cutout, one (1) voltmeter, and one (1) Whelen 295SLSA1 siren amplifier.

One (1) MD, Module Electrical Panels, Brushed Stainless Steel Y__N__
08-02-0006

ELECTRICAL MOUNTING PANELS

The emergency medical vehicle's electrical system will use brushed stainless steel panels for the Outlet panels, switch panels and other faceplates in the rear module.

One (1) ATTENDANT CONTROL PANEL Y__N__
08-03-0000

One (1) WC, Console, A/A, Wood, Angled Y__N__
08-03-0306

ACTION AREA CONSOLE

There shall be a console in the action area of the rear patient compartment house the switches. The console shall be manufactured out of 3/4" Laminated marine grade Plywood and be angled so that the switches will be easily accessible for an EMT in the attendant seat or a CPR seat.

Does your bid comply with this requirement?

Yes () No ()

One (1) SIREN ELECTRONIC - CONTROL HEADS / AMPS Y__N__
09-03-1000

One (1) MD, Siren, Whelen, WS-295-SLSA1 Y__N__
09-03-1802

SIREN, PUBLIC ADDRESS SYSTEM

The ambulance shall be equipped with hands free electronic siren with silent testing. The siren shall be a Whelen WS-295-SLSA1.

Does your bid comply with this requirement?

Yes () No ()

One (1) SIREN SPEAKERS Y__N__
09-03-2000

One (1) WC, Siren Speakers, Cast SAD/PSAD3827-20FSD-1, F-Series 2020 Y__N__
09-03-2708

One (1) MD, Switch, Siren/Horn Thru Horn Ring Y__N__
09-03-3530

SIREN/HORN SWITCHING

The siren shall be switched through the horn ring.

Does your bid comply with this requirement?

Yes () No ()

One (1) BACK-UP ALARMS Y__N__
09-05-0000

One (1) MD, Back-up Alarm, No Cutoff Switch Y__N__
09-05-1112

BACKUP ALARM

A backup alarm without a cut off switch shall activate when the vehicle is shifted into reverse. The device must meet OSHA and SAE J994 requirements, and shall be rated (SAE) for Type C or B.

Does your bid comply with this requirement?

Yes () No ()

One (1) STANDARD LIGHTING POSITIONS --- Y__N__
09-50-0001

One (1) WARNING LIGHT FLASHERS Y__N__
09-80-0000

One (1) MD, Flasher, Vanner 5860GCPE, C/D/E Spec Y__N__
09-80-2000

HALOGEN FLASHER

A Vanner 5860GCPE flasher shall be installed and provide a flash pattern to meet KKK-1822 C or D or E specification.

Does your bid comply with this requirement?

Yes () No ()

One (1) WARNING LIGHTS Y__N__
09-93-9990

One (1) LED Series - 900 (Flange Separate) Y__N__

09-95-1200

Ten (10) MD, Light, Whelen 900 LED, Red, Red Lens, 90RR5FRR, Internal Flasher Y__N__
09-95-1355

A Whelen 90RR5FRR Red Super LED light shall be located XXXXX.

Does your bid comply with this requirement?

Yes () No ()

One (1) MD, Light, Whelen 900 LED, Amber, Amber Lens, 90AA5FAR, Internal Flasher Y__N__
09-95-1361

A Whelen 90AA5FAR Amber Super LED light shall be located XXXXX.

Does your bid comply with this requirement?

Yes () No ()

One (1) MD, Light, Whelen 900 LED, Clear, 90CC5FCR, Internal Flasher Y__N__
09-95-1363

A Whelen 90CC5FCR Clear Super LED light shall be located XXXXX.

Does your bid comply with this requirement?

Yes () No ()

Four (4) MD, Light, Whelen, LINZ6R, LED-Red Y__N__
09-95-4802

A Whelen, LINZ6R RED, Super LED Red light shall be installed XXXXX.

Does your bid comply with this requirement?

Yes () No ()

One (1) MD, Housings, Cast, 500 Series, Upper Grille, Ford, 2020 F series, Pair Y__N__
09-95-9393

There shall be a pair of Cast Products housings for the 500 series grille lights mounted in the upper grille.

One (1) EXTERIOR AUTOMOTIVE LIGHTING Y__N__
10-01-0000

10 LIGHTING - EXTERIOR

10.1 LIGHTING - EXTERIOR AUTOMOTIVE

The basic exterior vehicle lighting shall include headlights, parking lights, directional signal lights, tail and stop lights, license plate light, back-up lights, hazard warning lights, clearance lights and reflectors, as required by F.M.V.S.S. 571.108.

One (1) WC, Taillight Pkg, Whelen, LED Stop/Tail, Turn & LED Backup, w/WC logo Y__N__
10-01-0042

TAILLIGHT PACKAGE

There shall be a Whelen taillight package installed on the rear of the vehicle. The stop/tail lights shall be LED with a minimum of 32 square inches of lighted surface area. The turn signals shall be a 5" LED arrow shaped design. The backup lights shall be LED. All three lights per side shall be in a common housing. A waterproof connection to the OEM tail light harness is required.

One (1) ICC/MARKER LIGHTS Y__N__
10-01-2000

Three (3) MD, Light, Clearance, Amber LED, Each Y__N__
10-01-2177

FRONT MARKER LIGHT

three (3) amber LED marker light shall be installed XXXXX.

Three (3) MD, Light, Clearance, Red LED, Each Y__N__
10-01-2178

MARKER LIGHTS

{qty} red clearance lights shall be installed on the rear roof rail.

Does your bid comply with this requirement?

Yes () No ()

One (1) MD, Lights, Red, 2", Marker, LED, Pair Y__N__
10-01-2183

MARKER LIGHTS

Two 2" red LED marker lights shall be installed in the rear side of the body. One shall be installed on the driver's side and one installed on the passenger side.

They shall operate as marker lights only.

One (1) WC, Corner Cap Lts, Multi, LED, (2) Amber (2) Red w/Flashers Y__N__
10-01-2250

CLEARANCE LIGHTS

The primary manufacturer shall incorporate DOT marker lights at the highest point of the vehicle. The marker lights shall be visible 360 degrees. In addition, each corner marker light shall be recessed and visible 180 degrees. Also at each corner, the marker light lens cover shall be tilted upward on a 45 degree angle to be visible above the horizontal plane for 360 degrees. These measures will insure the vehicle will be visible in low light conditions with the headlights in the "on" position. Bolt on upper clearance lights or clearance lights within the support

corner extrusions will not be acceptable. Amber lenses shall be installed on the front corners and Red lenses shall be installed on the rear corners. The light shall be LED and flash at high intensity when activated through a separate switch located on the cab console..

Does your bid comply with this requirement?

Yes () No ()

One (1)
10-02-0000

FLOOD AND LOAD SYSTEMS

Y__N__

Six (6)
10-02-2202

MD, Light, Halogen, Whelen, 9H, Clear, 8-32 Deg

Y__N__

EXTERIOR FLOOD LIGHTS

Four Whelen 90E000ZB Clear lights shall be installed. Flood and loading lights shall not be less than seventy-five inches above the ground and shall not be obstructed by open doors. Two floodlights shall be located on each sides of the vehicle and be firmly fastened to the body surfaces below the roof line. The side flood lights shall be controlled from the cab console and be independently switched.

Does your bid comply with this requirement?

Yes () No ()

Six (6)
10-02-2232

MD, Light, LED, Whelen, Clear, #9SC0ENZR, 24 LED, w/Chrome Flange

Y__N__

EXTERIOR FLOOD LIGHTS

Four Whelen 9SC0ENZR Clear LED lights shall be installed. Flood and loading lights shall not be less than seventy-five inches above the ground and shall not be obstructed by open doors. Two floodlights shall be located on each sides of the vehicle and be firmly fastened to the body surfaces below the roof line. The side flood lights shall be controlled from the cab console and be independently switched.

Does your bid comply with this requirement?

Yes () No ()

One (1)
11-00-0000

11 - INTERIOR LIGHTING

Y__N__

11. INTERIOR LIGHTING

One (1) MD, Lights, Weldon, 8046-0320-80, (4) S/S, (3) C/S
11-01-2800

Y__N__

VEHICLE INTERIOR LIGHTING

The basic interior compartment shall be provided with seven overhead dual intensity halogen lights. The lights shall be Weldon 8046. There shall be four lights located over the primary patient stretcher and three over the squad bench. These lights shall be mounted into the patient compartment head liner and shall not protrude into the patient compartment. The overhead shall have two levels of intensity, a high and low settings. The attendant shall be able to control the level of light via switches in the action area control panel. The dual lighting shall work together or may be separately selected from side to side. The four lights over the primary patient shall illuminate on the low setting when the side modular or rear modular doors are open. Certification shall be provided by an independent testing laboratory with this proposal.

Does your bid comply with this requirement?

Yes () No ()

One (1) WC, No Lighting Recessed into Trough Cover Y__N__
11-01-2871

One (1) MD, Timer, Momentary Switch, 15 Minute, Constant Hot Y__N__
11-01-9032

TIMER

An Intermatic 15 minute Timer shall be installed XXXXX. The timer shall be wired constant hot and shall power XXXXX.

Does your bid comply with this requirement?

Yes () No ()

One (1) SPOTLIGHTS / HANDHELD LIGHTS Y__N__
11-02-0000

One (1) MD, Handheld Spotlight - Sho-Me 200,000 CP Y__N__
11-02-1003

11.2 LIGHTING - SPOTLIGHT, HANDHELD

The cab shall be equipped with a spotlight with a coiled cord that is hardwired "On" with Ignition. The handle shall include a momentary switch. The bulb shall be a 12V - 200,000 candle power sealed beam non-glare bulb.

One (1) ATTENDANT LIGHT Y__N__
11-03-0000

One (1) MD, Light, Optronics, 105500, 5 Inch, Each Y__N__
11-03-2027

XXXXX Change the quantity of action area lights in section JP-10-8000. Then deleted this section.

One (1) 12 - ELECTRICAL 125 VOLT AC
12-00-0000

Y__N__

12. ELECTRICAL 125 VOLT AC

This vehicle shall be furnished with a two (2) wire plus ground 125 volt AC wiring system completely separate from its 12 volt DC system. It must comply with Article 551 of the National Electrical Code and is to be used for powering maintenance devices, battery chargers, etc. while on standby.

One (1) SHORELINE INLET
12-01-0000

Y__N__

12.1 125 VOLT AC SHORELINE INLET

One (1) MD, Shoreline, 20A, Super Auto Eject, White
12-01-9112

Y__N__

SHORELINE INLET

A 20 amp Super Auto Eject shoreline inlet with a GFI and interrupter shall be installed and located above compartment E.

Does your bid comply with this requirement?

Yes () No ()

One (1) OUTLETS - 125VAC
12-02-0000

Y__N__

One (1) MD, Outlets, 125 VAC, Duplex, (1) Action Wall, (1) Right Front Cabinet
12-02-2110
125 VAC OUTLETS

Y__N__

Two 125VAC duplex outlets shall be installed in the patient compartment. One outlet shall be located in the action area, and one outlet shall be located in the right front cabinet.

Does your bid comply with this requirement?

Yes () No ()

One (1) BLOCKHEATERS
12-02-4000

Y__N__

One (1) Block Heater - With OEM Plug
12-02-4001

Y__N__

ENGINE BLOCK HEATER

The chassis shall include a 110VAC powered engine block heater. The block heater shall have an OEM plug located in the engine compartment.

One (1) INVERTER - 125VAC Y__N__
12-03-0000

One (1) CLICK TO ADD INVERTER Y__N__
12-03-1400

One (1) AUXILIARY ENVIRONMENTAL SYSTEMS Y__N__
13-02-0000

One (1) MD, Exhaust Fan, Single 12V, in Line Blower Y__N__
13-02-0111

EXHAUST FANS

The patient compartment of this ambulance will be ventilated with fresh outside air via one (1) static intake vent and one (1) power exhaust vents. The system shall be capable of completely exchanging the air volume within the patient compartment every two (2) minutes. The location of the intake and exhaust vents shall be as indicated in the attached drawings.

One (1) WHEELED COACH HVAC UNITS Y__N__
13-02-5749

One (1) MD, Hoses, Heater, No Max, to Rear Y__N__
13-02-5751

HEATER HOSES

Nomax heater hoses shall be installed.

One (1) WC, Air Conditioning Face Plate, Brushed Stainless Steel with Logo Y__N__
13-02-6028

The air return faceplate shall be brushed stainless steel.

One (1) MD, Heat/AC Located RF corner, over ALS cabinet. Y__N__
13-02-6050

ENVIRONMENTAL SYSTEMS

The main HVAC unit is to be located above the Right Front compartment in a corner cabinet atop the RF ALS.

One (1) MD, Heat/AC, F1, Combo, Brushless Motor Y__N__
13-02-6101

ENVIRONMENTAL SYSTEMS

The ambulance shall be equipped with heating, ventilating, and air conditioning systems that operate using re-circulated air and ambient air and shall be capable of maintaining interior temperature within the established comfort zone of 68 degrees Fahrenheit to 78 degrees Fahrenheit while operating between 0 degrees

and 95 degrees Fahrenheit ambient. Environmental system components shall be readily accessible for servicing at the installed location. The airflow selector switch shall provide a high, medium and low setting. The switch shall be a common switch for both the heater and air conditioner. These environmental control switches shall be immediately accessible to the attendant while seated in the primary attendant seat located at the head of the primary patient.

The module control thermostat shall be located on a removable panel above the action wall. The system shall automatically maintain the set module temperature every time the vehicle is operated. The evaporator blower shall have a brushless motor.

Primary manufacturers shall submit testing documentation from an independent laboratory for compliance with Federal Specification KKK-1822F with this proposal.

One (1)
13-02-7754

MD, Thermostat, Hoseline Master Control Digital CM5000

Y__N__

THERMOSTAT

A Hoseline digital low voltage heating and air conditioning thermostat shall be provided to control the specified environmental systems. The thermostat shall be installed in the action area as indicated in the attached prints.

One (1)
14-01-1000

COT MOUNTING PROVISIONS

Y__N__

One (1)
14-01-1300

Cot Mounts

Y__N__

One (1)
14-01-1514

MD, Cot Mount, Stat Track, Single Position, ST, 86", CN 8 Compliant

Y__N__

SEAT, LITTER, RESTRAINT ANCHORAGE

Patient restraints shall be as specified in paragraph 3.11.8 of Federal Specification KKK-A-1822F. Cot fasteners and safety bets shall be mounted in tapping plates. The cot fastener shall be a Ferno Washington single position Stat Track. The length shall be 86 inches.

Does your bid comply with this requirement?

Yes () No ()

One (1)
14-01-4028

Center Mount

Y__N__

One (1)
14-02-0000

OXYGEN AND AIR SYSTEMS

Y__N__

One (1) MD, O2 Cylinder Bracket, Multiversal, #QR-MV, W/ Straps Y__N__
14-02-2242

The oxygen bottle bracket shall be a Zico model #QR-MV universal oxygen cylinder holder. The bracket components shall be adjustable to fit 6 inch to 9 inch diameter bottles. The bracket and mounting method shall meet AMD Standard 003 for KKK-A-1822F.

One (1) MD, Track, Unistrut for Oxygen Rack Y__N__
14-02-2244

One (1) MD, Manual, O2 System Y__N__
14-02-3005

OXYGEN ACTIVATION SYSTEM

The oxygen system flow shall be controlled by the manually operated valve by the oxygen bottle shut off valve.

One (1) MD, O2 Regulator, Preset 50 PSI Y__N__
14-02-3156

OXYGEN REGULATOR

One (1) oxygen regulator(s) shall be provided and attached to the oxygen supply hose(s) provided. The regulator shall feature a chrome plated brass body with all brass high-pressure chamber, 3,000 psi maximum inlet pressure, internal reseating relief valve protecting against over pressurization, 2" diameter gauge, foreign matter filter, neoprene diaphragm, DISS outlet, CGA-540 nut and nipple and UL listing.

One (1) MD, O2 Outlets, Ohio Style (2 in Action Area, 1 CS Wall) Y__N__
14-02-4153

OXYGEN, MAIN SUPPLY AND INSTALLATION

The ambulance shall have a hospital type piped oxygen system capable of storing and supplying three thousand liters of medical oxygen. The cylinder controls shall be accessible from inside the patient compartment. The pressure gauge shall be visible from either the attendant's seat or from the squad bench. The oxygen shall be piped to two (2) self sealing Ohio adaptable oxygen outlets located in the action area, one located on the curbside wall at the head of the squad bench. The oxygen system will incorporate electrically conducted oxygen hose with a working pressure of one hundred and fifty pounds per square inch. All oxygen hose and outlets will use machine crimped brass ferrules and high pressure connectors. The entire oxygen delivery system will be pressured tested with a minimum of one hundred and fifty pounds per square inch of pressure of nitrogen gas for a period of four hours. The testing documentation will be delivered with the vehicle.

One (1) MD, Lexan Flap, w/Hinge Y__N__

14-02-4920

INTERIOR OXYGEN VIEWING DOOR

One (1) A Lexan door shall be installed on the oxygen viewing opening.
14-03-0000 SUCTION SYSTEM

Y__N__

One (1) MD, Suction Pump, SSCOR 90206
14-03-3030 SUCTION PUMP

Y__N__

One (1) A suction pump shall be installed that shall comply with Federal Specifications
14-03-3045 KKK-A-1822F.

MD, Suction Port, Hole Only, No Outlet Plate

Y__N__

VACUUM PORT

One (1) A vacuum port shall be installed in the action area.
14-03-3070 MD, Suction System, SSCOR 23002 Disposable w/Canister Clip & Regulator

Y__N__

ASPIRATOR

One (1) A SSCOR disposable aspirator will be installed in the action area. A semi-rigid
14-04-0000 pharyngeal suction tip and 10 feet of clear plastic tubing will be included.

MISC MEDICAL

Y__N__

Two (2) MD, Fire Extinguisher, 5# ABC with Surface Mount Bracket., Each
14-04-1200

Y__N__

FIRE EXTINGUISHER

Two (2) Amerex (or equal) 5# ABC (3A:40BC:C UL rating) dry chemical fire
extinguisher(s) will be provided and installed ____.

A universal fire extinguisher bracket shall also be installed for each extinguisher
to provide crash stable storage and to allow this agency to mount various makes of
fire extinguishers without changing brackets.

The universal bracket shall be made of a steel back plate with scratch resistant
polyurethane enamel coating. Rubber grommets on the bracket shall serve to
cushion the fire extinguisher.

One (1) PAINT AND FINISH
15-00-0001

Y__N__

PREPARATION FOR PAINTING, COLOR AND MARKINGS

10.1 Color, Paint and Finish. Ambulance body and all attached equipment exterior surfaces, except polished metal parts, shall be thoroughly cleaned, treated, and coated with a firm primer and preservative with rust inhibiting properties, and painted white to match the OEM chassis. Ferrous metal interior surfaces shall be painted or, when not exposed for painting, shall be treated or coated to resist corrosion.

The final stage manufacturer's painted components shall have a paint film not less than 1.25 mils. thick and a minimum total thickness of 4 mils., including primers. The final film of painted surfaces shall be smooth and uniform, free of grit, streaks, blushing, runs, sagging, blisters, "fish-eyes, "orange peel", pinholes, or other surface irregularities. Exterior finish paint shall not be required on the underbody and inside surface of the body skirting. The modular body shall be painted with an AkzoNobel (or equal) high quality automotive polyurethane acrylic paint.

10.1.1 All modular body doors shall be removed prior to paint and shall be painted separately from the modular body. After painting, the doors are to be re-installed. The doors shall be painted using the same method as the modular body.

10.2 Modular Body Preparation. The entire exterior of the modular body shall be cleaned and prepared for painting according to the following minimum requirements:

10.2.1 Substrate Preparation:

- The modular body shall be thoroughly degreased using an acetone de greaser and the wipe on – wipe off method.
- Any areas that require filling will be first be abraded with 80 grit sandpaper using a DA orbital sander. If any welds require grinding, 24 grit paper shall be used. Any plastic filler used shall be mixed and applied per Manufacturer's instructions. After filler application, the surface shall be prepared using 80 grit sandpaper followed by 120 grit paper using a DA orbital sander.
- A minimum of two (2) coats of Wash primer EMCF shall be applied to all plastic filler areas allowing to flash five (5) minutes between coats.

- The Wash primer shall be sanded with 320 grit sandpaper using a DM orbital sander.
- A fine textured glazing putty shall be used to fill any additional surface flaws, pinholes and/or scratch marks. After curing, the surface shall be sanded with 320 grit sandpaper using a DA orbital sander.
- The substrate shall be sanded with 180 grit sandpaper using a DA orbital sander to remove any final imperfections.
- The modular body shall again be thoroughly degreased using M-600 de greaser and the wipe on – wipe off method.
- All corner extrusions and the top drip rail to be caulked as necessary.

10.2.2 Aluminum Pretreatment. The modular body shall be pretreated with a chromium free conversion coating that is specifically formulated for treating aluminum and its alloys. Prior to the pretreatment application, all diamond plate is to either be removed or properly masked to prevent staining. After application, the modular body shall again be thoroughly degreased using M-600 de greaser and the wipe on – wipe off method.

10.2.3 Wash Primer. The modular body shall be primed with a medium build, chromate-free, self-etching wash primer that offers excellent corrosion resistance without the use of metal preps and conditioners. There shall be a minimum of two (2) medium wet coats applied allowing a five (5) minute flash between each coat. The final coat shall be allowed to flash for 30 minutes. The primer shall be sanded with 320 grit sandpaper using a DA orbital sander or 400 grit dry sandpaper by hand. After sanding, the modular body shall again be thoroughly degreased using M-600 de greaser and the wipe on – wipe off method.

10.2.4 Sealer. To enhance the adhesion between the substrate and top coat of paint, a transparent sealer/adhesion promoter shall be applied to the modular body. A minimum of two (2) wet coats of sealer shall be applied. The initial coat shall be allowed to flash 10 minutes before the application of the second coat. Once the sealer has cured, the body is to be sanded smooth with 320 grit sandpaper using a DA orbital sander.

10.2.5 Top Coat. The top coat of paint shall be a high solid two-component polyurethane enamel, suitable for automotive refinishing, trucks and equipment. Paint shall provide an easy application with excellent flow along with superior gloss and durability in a two-coat application.

10.26 Final Sand and Buff The entire exterior surface of the module shall be sanded with a minimum 1200 to 1500 grit sand paper and then followed by 3000 grit wet sandpaper. The exterior of the module will then be polished using the 3M 3000 buffing system with 3M Perfect-It III buffing compound to provide a smooth, high gloss final surface finish. This process shall provide a smooth, high gloss finish that is resistant to scratching and chipping. If proper vehicle care is taken.

10.3 Color Standards and Tolerances. Shall be as required by paragraph 3.16.2.1 of Federal Specification KKK-A-1822F.

10.4 Salt Spray Resistance. Shall meet the requirements of paragraph 3.16.3 of Federal Specification KKK-A-1822F.

One (1)
15-01-2000

Module Paint, Single Color, OEM White

Y__N__

MODULE - PAINT FINISH COLOR

The standard modular ambulance paint finish shall be produced by the application of a certified Akzo Nobel "Sikkens" paint process. The standard process shall produce a white finish to match the standard OEM chassis white. The finished paint process shall provide a single color, solid surface paint application.

One (1)
15-01-5000

Cab Paint - Single Color, OEM White

Y__N__

CHASSIS CAB - PAINT FINISH COLOR

Standard OEM White
PAINT STRIPING DESIGN

One (1)
15-02-0000

Y__N__

One (1)
15-02-1200

Paint Belt, None

Y__N__

PAINT BELT

The module shall be painted white to match the OEM color of the chassis. There shall Not be any paint belts on the unit.

One (1)
15-02-8012

MD, CLICK Package TO ADD- Chevron Striping

Y__N__

One (1)
15-03-0000

DECALS AND NOMENCLATURE

Y__N__

One (1)
15-05-0055

MD, Spare Tire, OEM only, Ship Loose

Y__N__

SPARE TIRE

The OEM spare tire shall be shipped with the vehicle.

One (1)

Indemnification Statement

Y__N__

74-09-0099

One (1)
75-00-0000

End Of Order

Y__N__

One (1)

== Factory Ship Loose - EMS Equipment - 1.048 02/17/23 ==

Y__N__