



725 SW 46<sup>th</sup> Avenue  
Ocala, Florida 34474  
T (352) 629-6305  
M (352) 239-2928  
F (352) 629-2018

## Apparatus Proposal

DATE: October 14, 2020

The Proposal has been prepared for:

**North Port Fire Rescue  
Chief Karl Bennett**

REV RTC. is pleased to offer a 2021 International MV Ambulance based off REV, RTC contract, built to attached chassis specs, with upgraded box option to 174"x96" x 72". This vehicle shall be in accordance with the attached work order specifications. The purchase price shall include all vehicle components and NFPA equipment as requested.

Delivery will be F.O.B. Customer Location and will be made approximately 120 Calendar days after receipt of chassis. Terms of payment shall be within 45 days after delivery.

2021 International MV Road Rescue Ambulance – D-NET .....	<b>\$276,750</b>
+8% per REV, RTC contract.....	<u>\$22,140</u>
Total for rescue.....	\$298,890

**Total for 1 rescue.....\$298,890**

**\*\*Accessories included: Stryker Power Load, Firecom system, Brushless HVAC and Electric O2 lift**

Rick Schoppe – REV, RTC

10/14/2020

Date

powered by **HALL-MARK**

REVgroup.com

**REV RTC Hall-Mark Road Rescue****2021 -Price Detail - North Port Fire Rescue Type 1 MD International MV FSA Proposal**

Sheriffs Association FSA20-VEF14.01 , Specification # 03 Type 1 International MV - Ultramedic 168"x96"x72"	\$ 215,110.00
Increase module length to 174"	\$ 4,000.00
Power Door Locks - Module entry doors only	\$ 453.00
Lighting LED Strip, Kinequip in crash rail	\$ 2,150.00
Exterior cast bottle holders - forward of wheel well (2)	\$ 610.00
Power Door Locks - Compartment doors	\$ 674.00
Compartment Lights - LED, Flexible strips	\$ 848.00
Left stack modifications (2) tip out storage for D Cylinders, additional shelf	\$ 864.00
ILOS cabinet forward bench side with counter top and pull out drawers	\$ 962.00
Notch the cabinet at the rear of the squad bench for extra backboard room	\$ 412.00
Cabinet at rear of squad bench - forward facing	\$ 688.00
Medi-Kool Micro unit	\$ 3,204.00
U6 cabinet at the rear of the bench w/MedVault	\$ 298.00
Aeroclave ADP, Ambulance Port, 8' Hose	\$ 1,597.00
Door - Heavy duty roll-up locking door, ALS RF Cabinet	\$ 634.00
Camera (2) - exterior over rear doors, interior patient module	\$ 704.00
Firecom - purchase and install	\$ 6,727.00
Clock - Digital DDS 12/24 Hour 2.5"LED, installed over rear doors	\$ 464.00
Cab dome lights red/white installed (2)	\$ 582.00
Siren, Electronic, Additional - Whelen Howler - International	\$ 724.00
M series LED warning light package	\$ 3,800.00
Tail Lights, Brake/Turn - Whelen M6 series LED/ Back-up lights - Whelen M6 series	\$ 1,051.00
Scene Lighting - (4) Whelen M9 Series LED	\$ 1,729.00
Rear Load Lights (2) Whelen M7 Series Super LED, Gradient Scene Light	\$ 886.00
Inverter Charger - Vanner 1050W	\$ 1,247.00
Stryker Power Load, No wheel guide - Change Notice 8 - Compliant	\$ 25,300.00
O2 Cylinder Lift - Zico "OTS" Electric with Multiversal Rack	\$ 2,677.00
O2 cylinder holder - (2) Zico QR-D-2 strapless "D" bracket	\$ 518.00
SCBA (2) brackets installed - NFPA compliant, Zico #ULLH	\$ 362.00
Module and Cab - Lower Half, Different Color, Includes Jambs - 2 color	\$ 2,412.00
Material - Diamond Grade Rear Chevrons	\$ 2,063.00
Graphics w/front bumper chevron	\$ 3,000.00
Multi-vehicle discount	<u>\$ (10,000.00)</u>
<b>2021 International MV Road Rescue Ambulance D-NET</b>	<b>\$ 276,750.00</b>
<b>8% per REV RTC contract</b>	<b>\$ 22,140.00</b>
Total for 1 rescue	<u><b>\$ 298,890.00</b></u>



City of North Port  
 Chief Karl Bennett  
 4800 City Center Boulevard  
 North Port, FL 34286

REV, RTC Hall-Mark  
 Rick Schoppe  
 NAL

**Quote No:** North Port-0002  
 12/09/2020 10:09:05

WO#:

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		<b>== Road Rescue Boilerplate - 1.020</b>	<b>1</b>	<b>RRI</b>		
		<b>09/15/17 ==</b>				
00-01-0999		Information - Scope, Purpose and Classification	1	RRI		
		<b>WARRANTY</b>	<b>1</b>	<b>RRI</b>		
00-02-8100		Warranty - Documentation	1	RRI		
00-02-8200		Warranty - Module Structural	1	RRI		
00-02-8300		Warranty - Electrical, Standard System	1	RRI		
00-02-8400		Warranty - Paint	1	RRI		
00-02-8500		Warranty - Conversion	1	RRI		
		<b>== DuraStar 4300, 175" WB - 168"</b>	<b>1</b>	<b>RRI</b>		
		<b>Bodies - 1.020 09/15/17 ==</b>				
		<b>01- CHASSIS REQUIREMENTS</b>	<b>1</b>	<b>RRI</b>		
01-01-6105	S < >	2021 Int'l 4300, 175" W/B, 20,000 GVW 260HP (OEM Air Ride) (Special Request) SR2020633F See North Port Chassis spec.	1	RRI		
		The Wig Wags will operate with primary.				
		The OEM Wig Wag switch in the dash will need to be removed in order to allow the Wig Wags to function as designed.				
		<b>CHASSIS OPTIONS</b>	<b>1</b>	<b>RRI</b>		
01-03-01SR	XU <	Remove the passenger oem air horn foot switch SR#2020633F Delete the passenger OEM air horn foot switch. Switch to be shipped loose.	1	RRI		
01-03-1001		Alternator - Standard OEM	1	RRI		
01-07-9000	< >	Dump - Switch, (1), Momentary Override Switch located in the right rear entry door.	1	RRI		
01-07-9020	<	Dump - Circuit, Dump W/ enable switch in cab. State Location: Cab console Enable switch to override auto dump with rear door open. Only to reset when switch is deactivated.	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
01-17-4900	<	Block Heater - With OEM Plug (STANDARD) This option does not include a switch... (STANDARD).	1	RRI		
01-19-10SR	XU <	Ensure the rear axle "U" bolts are not hitting chassis frame rails  On the first two units the rear axle 'U' bolts were hitting the underside of the chassis frame rails this also had an effect on how the dual leveling valves were adjusted. They had to re-adjust.  Customer will check these on the next (3) vehicles before they ship.	1			
<b>CAB INTERIOR OPTIONS</b>			<b>1</b>	<b>RRI</b>		
01-21-3500		Cab Insulation - Thinsulate in Cab Ceiling (STANDARD)	1	RRI		
<b>TIRES / WHEELS</b>			<b>1</b>	<b>RRI</b>		
01-23-4100	>	Spare Tire Bracket - Delete	1	RRI		
01-23-769S	XU <	Wheel Trim- Aluminum Wheels for International  Hub and lug covers for aluminum wheels for an International.	1			
<b>== Type MD - UM 168" Module, International - 1.020 09/15/17 ==</b>			<b>1</b>	<b>RRI</b>		
00-00-0247	<	***** OUTSIDE GRAPHICS- 24/7 ***** HAVE PICTURES TAKEN PRIOR TO THE UNIT ENTERING THE FINAL LINE FOR GRAPHICS	1	RRI		
00-05-0100	<	This unit built in accordance with KKK-A1822-F CN 10 This unit as specified meets all requirements of KKK-A1822-F Change notice 10.  All cabinets shall be labeled as to their capacity Rating.	1	RRI		
02-01-8005	S >	Ultramedic MD - 174" x 96"W 20-1	1	RRI		
02-01-80SR	XU <	Increase Module length to 174" SR#2020633F  Increase Module length to 174"	1			
02-01-9500		Interior Headroom - 72"	1	RRI		
02-01-9623	>	Standard Aisle Width = 45"	1	RRI		
02-02-1010		Materials, Medium-Duty	1	RRI		
<b>03 - MODULE EXTERIOR</b>			<b>1</b>	<b>RRI</b>		
03-02-0200		Module Undercoating (STANDARD)	1	RRI		
<b>EXTERIOR MODULE CONSTRUCTION</b>			<b>1</b>	<b>RRI</b>		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
03-03-1400		> Module Roof Radius, 3 Inch High (STANDARD)	1	RRI		
03-03-1500		> Extreme Bonding Tape (STANDARD)	1	RRI		
03-03-1600		> Sub-floor Gusset Supports (STANDARD)	1	RRI		
03-03-1700		> One Piece Side Body Panels (STANDARD)	1	RRI		
03-03-1800		> Reinforce Rear Header (STANDARD)	1	RRI		
03-03-1900		> Single Sheet Module Roof Sheet (STANDARD)	1	RRI		
03-03-2030	<	> Drop Curbside Forward Body Skirt - 6", Add Double Step, Medium Duty Chassis The manufacturer shall drop the lower body skirt along both sides at the bottom of the module by approximately 6". This shall lower the height of the side entry step and provide easier access through the side entry door. Increase the depth of stepwell inboard as far as sub structure permits. Side surfaces to be Diamond Plate. Step surface to be a combination of NFPA Diamond Plate and removable 9" Grip Strut insert. The second step to be fabricated of NFPA Diamond Plate and installed so that the step surface is midway between the stepwell floor surface and the module floor surface making two equal steps into the vehicle.	1	RRI		
03-03-2130		> Drop Streetside Forward Body Skirt - 6", Medium Duty Chassis	1	RRI		
03-03-3500	<	Minimize the Height of the Wheel Well Minimize the height of the street side and curb side wheel wells to accommodate recessed notches in the CPR seat and squad bench areas.	1	RRI		
<b>MODULE ENTRANCE</b>			<b>1</b>	<b>RRI</b>		
03-05-0100		> Module Access - Standard	1	RRI		
03-06-0101	<	Entry Doors - Hidden Hinge, Seal on Door ,W/Fail Safe Latching, Eberhard This includes the Fail Safe Latching mechanisms on all three entrance doors.	1	RRI		
03-06-0700		Door Restraints - Rear, Polished Cast Aluminum, Pin & Slot Style	1	RRI		
03-06-0800	<	Door Restraints - Side, Heavy Duty Gas Spring Hold Opens Curbside Door Restraint - Heavy Duty gas spring hold opens. - Attached by 1/4" x 20 SS Machine Screws with 1/4" x 20 Nut Inserts into Corner Gusset in Door Side entrance door to open to 90+ degrees. (STANDARD)	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
03-06-1012		Entry Door Handles - TriMark 2015 Chrome/Black (includes interior handles)	1	RR1		
03-06-1500		Door Panel, Inner - Stainless Steel (STANDARD)	1	RR1		
03-06-2200		Magnetic Entry Door Switches (STANDARD)	1	RR1		
03-06-4010	>	Lock Boxes, White Diamond Grade (STANDARD)	1	RR1		
03-06-4200		Coil Cords for Electrical Circuits (STANDARD)	1	RR1		
03-06-4400		Door Panel Mounting Screws (STANDARD)	1	RR1		
03-06-6065	< >	Power Door Locks - Module Entry Doors,W/Hidden Switch NOTE: Previous units had issue with stealth switch not being weather proof. When it rained, the doors would lock/unlock themselves. Install power door locks in side and rear entrance doors. Includes (2) lock/unlock switches, one at side door and one at rear door. Also includes (1) hidden switch in rear license frame for unlock function only. System will be tied to OEM chassis power locks so that both systems operate as one. Does not include wireless remote. Note: Hidden Switch can be moved per dealer instructions.	1	RR1		
		<b>SIDE DOOR STEP</b>	<b>1</b>	<b>RR1</b>		
03-08-2000		(2) Step Well, Side Entry - Increased Depth, Lower Grip, Upper Diamond Plate	1	RR1		
03-08-3010		Stepwell Light - LED, Whelen OS Mini, Clear (STANDARD)	1	RR1		
		<b>WINDOWS</b>	<b>1</b>	<b>RR1</b>		
03-09-0030		Module Window Requirements	1	RR1		
03-09-1120		Window - Side Entry Door, 18X18, Slider - Bronze Glass	1	RR1		
03-09-1220		Window - Rear Entry Doors, 18X24, Fixed - Bronze Glass	1	RR1		
		<b>MODULE TO CHASSIS MOUNTING SYSTEM</b>	<b>1</b>	<b>RR1</b>		
03-10-7000		Module to chassis mounting system-Medium Duty (10)	1	RR1		
03-11-6000		Connecting Bellows, Type I	1	RR1		
		<b>REAR BUMPER AND REAR STEP CONSTRUCTION</b>	<b>1</b>	<b>RR1</b>		
03-12-1800		Rear Bumper - Recessed 9" Pocket, Flip-up	1	RR1		
03-12-3020	< >	Bumper Pods, CPI Cast Aluminum w/RR Logo. (UM & PM) Cast Products Bumper Pods, High Polish Finish. Mounted on the outboard rear step bumper frame members. The CPI cast aluminum pod shall include a RR Logo embossed in the cast pattern on the step tread.	1	RR1		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
<b>INSULATION</b>			<b>1</b>	<b>RRR</b>		
03-13-2220	< >	Whisper Quiet - Sound Dampening/Thermal Insulation Package Whisper Quiet - Sound Dampening/Thermal Insulation Package. (ULTRAMEDIC AND PROMEDIC)  Spray foam underbody insulation prior to undercoat application, full subfloor coverage where applicable. Includes curbside step well area.	1	RRR		
<b>ELECTROLYSIS PREVENTION</b>			<b>1</b>	<b>RRR</b>		
03-14-4000	<	Electrolysis Prevention, Fluid Film (STANDARD) Fluid Film is used at Every Point Where the Mounting Process has the Propensity to Break Paint (STANDARD)	1	RRR		
<b>COMBINATION RUB RAIL AND FENDER RING</b>			<b>1</b>	<b>RRR</b>		
03-15-2000	<	Crash Rail and Fender Ring (STANDARD) NOTE: Both previous units had issues with multiple light failures. NEED TO REVIEW  Extruded Black Rubber Crash Rail and Fender Ring - The lower body Rub Rail/Crash Rail and Fender Ring to be Black extruded rubber. The rubber rail will be snap-on mount with no fasteners. The extrusion that the rubber rail fastens to will be secured to the body with aluminum rivets for ease of replacement. The lower body crash rail and the transition to the Fender Ring will have Polished Aluminum end caps. The extrusion to accept multiple color inserts. (STANDARD)	1	RRR		
03-15-5510	S <	Lighting LED Strip, Kinequip, In Standard Rubber Crash Rail Install horizontal LED rub rail lighting on fore and aft of each rear wheel well cutout on both sides of the module.  This does not include the fender rings.  LED Color: RED/WHITE. FLASHING FUNCTIONALITY: The RED/WHITE LED's are to fast flash alternately RED then WHITE and will come on with 'Master Emergency' and also include a cut-out switch labeled 'RUB RAIL C/O' in the front switch panel. The cut-out switch will disable the RED/WHITE when alternate flashing. When placed in park the flashing	1	RRR		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		RED/WHITE LED's will continue to flash as long as master emergency is enabled.				
		<p>STEADY BURN FUNCTIONALITY:                      The WHITE LED's are to steady burn to act as courtesy/perimeter lighting when vehicle is in 'Park' and module power is 'On' for a period of 29 seconds and also include a switch labeled 'Ground Light' in the front switch panel to activate when vehicle is in 'Park' and module power is 'On'.</p> <p>To also activate when a corresponding compartment door or entry door is opened and illuminate the ground area below the vehicle.</p> <ul style="list-style-type: none"> <li>- If the rear entry doors are open the rear most rub rail lights on both sides of the module will light.</li> <li>- If the #1 or #2 exterior compartment door is opened the forward street side rub rail will light.</li> <li>- If the #4 compartment door is opened the rear street side rub rail will light.</li> <li>- If the #6 compartment door is opened the rear curb side rub rail will light.</li> <li>- If the curbside entry or the #8 exterior compartment door is opened the forward curb side rub rail will light.</li> </ul> <p>When the vehicle is placed in gear the courtesy/perimeter lights will auto cut-out.</p>				
		<b>SPLASH GUARDS AND RUNNING BOARDS</b>	<b>1</b>	<b>RRI</b>		
03-16-1600		Step and Fuel Tank Covers - Diamond Plate, Medium-Duty (Standard)	1	RRI		
03-16-16SR	XU <	Battery Box - Curbside under cab SR#2020633F	1			
		Battery Drawer, Below Cab Door, Curbside, International.				
03-16-1800	<	<p>Mud Flaps - Rear, Black w/ RR Logo (Standard)</p> <p>Heavy Duty Rubber Mud Flaps w/ RR Logo</p> <p>- Heavy Duty Rubber Mud Flaps to be bolted to the wheel liner behind the rear duals with with 1/4" x 20 Stainless Steel bolts, washer and nylon locknut for ease of maintenance and repair (STANDARD)</p>	1	RRI		
03-17-1000	<	<p>Drip Rails</p> <p>Polished Aluminum Drip Rails - Above All</p>	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		Doors, Entry and Compartment (Standard)				
03-18-1000	<	Wheel well liners Aluminum Wheelwell Liners - Extending to Bottom of Skirt (Standard)	1	RRI		
		<b>CAB TO MODULE ACCESS</b>	<b>1</b>	<b>RRI</b>		
03-19-5200	<	Pass Thru Window, ILOS Walk Through - Medium Duty Navistar, Freightliner, Ford NOTE!!! - Add extra sealant at pass through.  This will have a sliding lexan window.	1	RRI		
		<b>LICENSE PLATE HOLDER</b>	<b>1</b>	<b>RRI</b>		
03-20-0510	>	Rear License Holder Location - C/S Above Rear Kickplate	1	RRI		
		<b>EXTERIOR COMPARTMENT CONSTRUCTION</b>	<b>1</b>	<b>RRI</b>		
04-01-0300		Exterior Compartment Construction, Medium Duty	1	RRI		
04-01-3000	<	Door Sill Protection, Stainless Steel. (STANDARD) Door Sill Protection - Install Stainless Steel sill protector on lower edge of all door frames to prevent paint damage. (STANDARD)	1	RRI		
04-01-30SR	XU <	Exterior Cast Bottle holder - Forward of Wheel Well (1) SR#2020633F  D' Cylinder Storage with CPI part #AD0008 Access Door with Hinged Flange for O2 Bottle Compartment located above rear wheel well. Will be forward of the rear wheels. Include rubber matting for the bottom of the opening to protect the bottles.  (1) Streetside (1) Curbside  ****NOTE****  The inside edges of the hole will be painted black. The cast door will then be mounted and will be sealed with sika flex.  NO SILICONE OR RUBBER GASKET TO BE USED OR ACCEPTED!!!!	2			
		<b>EXTERIOR COMPARTMENT DOORS</b>	<b>1</b>	<b>RRI</b>		
04-02-0100		Compartment Door - Hidden Hinge, Seal on Door (UM)	1	RRI		
04-02-0715	< >	Compartment Handles, Exterior - TriMark 2015 Chrome/Black (UM) TriMark Two-Point Cast w/Polished Chrome	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		Paddle Handle and Housing, Locking and Non-Locking, with floating cam - Mounted in CNC Cut Opening in Each Compartment Door Skin w/OEM Clamp Assembly. (STANDARD ULTRAMEDIC)				
04-02-0741	< >	Compartment Handle, TriMark 2015 Chrome/Black, Street side, locking For single doors or Leading doors on the streetside.	3	RRI		
04-02-0746	< >	Compartment Handle, TriMark 2015 Chrome/Black, Street side, Non-Locking For Trailing doors on the streetside.	2	RRI		
04-02-0751	< >	Compartment Handle, TriMark 2015 Chrome/Black, Curbside, locking For single doors or Leading doors on the curbside.	2	RRI		
04-02-0805	<	Compartment Door Locks - 2015 TriMark Compartment Door Handle Manual Locks. - All doors shall incorporate double cut, non-directional tumbler assemblies that are keyed alike (STANDARD)	1	RRI		
04-02-1000		Compartment Door Nader Pin - (STANDARD)	1	RRI		
04-02-1200		Compartment Door Lubrication - Door Handles and Latches (STANDARD)	1	RRI		
04-02-1300		Compartment Door Reflectors - (STANDARD)	1	RRI		
04-02-1500		Magnetic Compartment Door Switches - (STANDARD)	1	RRI		
04-02-2010		Compartment Door Panel, Inner - Diamond Plate (STANDARD)	1	RRI		
04-02-2300		Compartment Door, Gas Struts - (STANDARD)	1	RRI		
04-02-2500		Compartment Door Panel Mounting Screws - (STANDARD)	1	RRI		
04-02-5999	>	Power Door Locks - Exterior Compartment(s)	1	RRI		
04-02-6010		Exterior Compartment #'s 1, 2, 4, 6 & 8, Only	1	RRI		
04-03-0410		Compartment Light Locations - Ultramedic	1	RRI		
04-03-1550	<	Door Open Indicators, (STANDARD VMUX) Door Open Indicators, - Magnetic Proximity Switches located at the top of the door between the jamb and the door frame will activate a door open indicator on the driver's control panel. The Vista display screen will include a digital layout with door open indicators for each module door and	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		activate the corresponding Interior compartment light. NOTE- OPEN CAB DOOR WILL NOT BE SHOWN ON DISPLAY.				
		(STANDARD)				
04-03-2400	<	Compartment Lights - LED, Flexible Strip, All compartments shall be illuminated by Kinequip Flexible LED strip lighting in lieu of the standard 4" halogen lights. (2) Vertical strips in each exterior compartment installed one on each side of the opening.	1	RRI		
		<b>EXTERIOR COMPARTMENT INTERIOR</b>	<b>1</b>	<b>RRI</b>		
04-04-1000	<	Exterior Compartment - Interior Finish, Polyurethane Coated Exterior Compartment Interior Scorpion Rubberized Liner Color Choice. Scorpion rubberized polyurethane coating applied to the surfaces of ALL exterior compartment walls and dividers. Does not include slide out battery tray or mounting angles. Battery Tray to be raw aluminum. NOTE: If there is not a slide out battery compartment in the order the #8.5 exterior compartment area will be Scorpion lined.	1	RRI		
04-04-1001		Color = Dark Gray	1	RRI		
04-05-0001	<	Exterior Compartment Shelving and Unistrut - Standard All exterior shelving Unistrut shall be welded to the walls prior to any compartment wall finish. Where specified, exterior adjustable shelves shall be box pan formed of a minimum .125 inch Aluminum Diamond Plate and corners shall be welded. Shelves shall be infinitely adjustable, and securely mounted to heavy gauge aluminum Unistrut track. (Standard)	1	RRI		
04-05-1000	<	Compartment Shelving - Diamond Plate (STANDARD) Diamond Plate Exterior Compartment Shelving. (STANDARD)	1	RRI		
		<b>EXTERIOR - COMPARTMENT #1</b>	<b>1</b>	<b>RRI</b>		
04-06-0010	<	Electrical Storage - Compartment #1 #1 Compartment Electrical Storage - Recessed into the bulkhead side of compartment #1 shall be an enclosed area for the installation of miscellaneous electrical components. The aluminum cover	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		for this area to be installed with 'J' molding The 'J' molding to be full length of panel on bottom and inboard side. Outboard side of panel to be secured with mechanical fasteners. (STANDARD)				
04-06-0020		Compartment #1 - Full Height, Standard Configuration (UM)	1	RRI		
04-06-02SR	XU <	Widen the #1 compartment by 5" SR#2020633F	1			
		Widen the #1 compartment by 5". This will also modify the #2 compartment, action counter and upper cabinet(s) above the action counter.				
04-06-1505	<	Shelf, Fixed- Comp. #1 standard "L" Shelf.	1	RRI		
04-06-1700	>	Delete Divider, Fixed - Compartment #1	1	RRI		
04-06-1935	< >	Strap, equipment(1) Seat belt Style, Metal Buckle There shall be (1) equipment restraint strap with quick release buckle provided in this compartment. Must pick quantity if more than one is needed. State Location: Wall #1 to Wall#2 for backboard storage.	1	RRI		
04-06-19SR	XU <	Add 110 degree gas struts to the #1 and the #8 compartment doors SR#2020633F	2			
		Add 110 degree gas struts to the #1 and the #8 compartment doors.				
		<b>EXTERIOR - COMPARTMENT #2</b>	<b>1</b>	<b>RRI</b>		
04-07-0600	<	Compartment #2 - Standard Configuration, (UM) #2 Compartment to be directly behind the #1 compartment and below the interior action area shelf on the street side of the module.	1	RRI		
04-07-25SR	XU <	Install (2) fixed dividers SR#2020633F	1			
		Fabricate and install two fixed dividers. Location to "hold" stair chair vertically. In the #2 compartment.  See reference photo on the server.				
04-07-26SR	XU <	Shelf Fixed ILOS - Compartment #2 SR#2020633F	1			

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		Fixed shelf will be 40" from the floor to house a stair chair.				
04-07-280S	XU < >	Equipment Strap - (1), Seat Belt Style, Metal Buckle SR#2020633F (1) equipment restraint strap with quick release buckle	3			
		Location: Located in the #2 compartment. One located in each section between the dividers.				
		See reference photo on the server and from the mid line photos.				
04-07-3100		Compartment #2 - Increase Height 6.00"	1	RRI		
		<b>EXTERIOR - COMPARTMENT #4</b>	1	RRI		
04-09-3100	< >	Compartment #4 - Reduced Height, for Center Left 4 Cabinet Reduced Height #4 Compartment for Center Left #4 Cabinet Compartment to be the same height as the #2 compartment. Does not include an adjustable shelf. This option will provide space for a Center Left #4 cabinet with sliding Plexiglas doors and (1) adjustable shelf.	1	RRI		
		Height to be approx 48"				
04-09-3700		Double Doors #4 Compartment	1	RRI		
04-09-4504		Shelf Adjustable , Compartment #4, For Reduced Hght Comp.	1	RRI		
		<b>EXTERIOR - COMPARTMENT #6</b>	1	RRI		
04-11-3300		Delete #6 Compartment Complete	1	RRI		
		<b>EXTERIOR - COMPARTMENT #6.5</b>	1	RRI		
04-12-3400	>	Compartment #6.5 - Base Configuration (UM & PM)	1	RRI		
04-12-3600	< >	Widen #6.5 Compartment, Add Double Doors Width to be approximately 40"	1	RRI		
04-12-36SR	XU <	Increase height of #6.5 to approx 27" SR#2020633F	1			
		Compartment to be 27"H x 40"W x 22.5"D - Double doors				
		<b>EXTERIOR - COMPARTMENT #8</b>	1	RRI		
04-14-29SR	XU <	Compartments #8 & 8.5 - Full Height, Combined Configuration SR - 2020683F Increase height of the compartment door and jamb to top of module. Add a close out	1			

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		panel to the top portion of the Heat/AC cabinet. This will allow a service access to the AC dryer and expansion valve. NOTE: The upper curbside forward emergency light will be installed on the upper portion of the compartment door.  See option 04-06-19SR for the gas strut to be 110 degree ILOS.				
	<	<b>INTERIOR TRIM AND FEATURES</b> New Interior Trim - All cabinet and wall panel aluminum trim to be Gray anodized. (No Black trim to be used). All protective corner trim will be Opaque and will include a matching domed end cap. (STANDARD)	1	RRI		
		<b>INTERIOR ADJUSTABLE SHELVES</b>	1	RRI		
		<b>INTERIOR TRIM</b>	1	RRI		
05-05-1000		Interior Trim - Standard	1	RRI		
		<b>HEADLINER</b>	1	RRI		
05-06-1100		Ceiling Medical Device Rail (STANDARD)	1	RRI		
05-06-1200		Headliner - Vinyl Ceiling, No Seams (STANDARD)	1	RRI		
05-06-1802		White LED Strip Lights, Ceiling Medical Device Rail. (UM & PM)	1	RRI		
05-06-1902		Red/Amber LED Turn/Brake Strip Lights, Ceiling Medical Device Rail. (UM & PM)	1	RRI		
		<b>FLOORING</b>	1	RRI		
05-07-1000		Aluminum Floor/Wall Cove Molding. (STANDARD)	1	RRI		
05-07-1400		Stainless Steel Rear Threshold, 45 Degree Chamfered (STANDARD)	1	RRI		
05-07-3000		Lonplate II Flooring Choice	1	RRI		
05-07-3006		Color - 443 TX Midnight	1	RRI		
05-07-6100		Curbside Stainless Steel Threshold,4" wide,W/Safety Walk Anti-Skid Tape	1	RRI		
		<b>HEAD BUMPERS</b>	1	RRI		
		<b>BACKRESTS</b>	1	RRI		
		<b>Rear Entry Door Grab Bars</b>	1	RRI		
05-10-1301	<	Rear Entry Door Grab Bars - "L" Bars, 16" Anti-Microbial "L" Bars - 16" Anti-Microbial. 1.25" Diameter stainless steel "L" Bars mounted to each rear door. Approximately 16" wide by 24" high. Clear Anti-Microbial finish.	1	RRI		
05-10-1401	<	Side Entry Door Grab Bars - "L" Bar - 19" Anti-Microbial "L" Bar - 19" Anti-Microbial. 1.25" Diameter stainless steel "L" Bars mounted to side entry door. Approximately 19" wide by 24" high. Clear Anti-Microbial finish.	1	RRI		
05-10-1903		Ceiling Grab Rail - Center 108" Anti-Microbial	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
05-10-2101		Ceiling Grab Rail - Streetside 72" Anti-Microbial	1	RRI		
05-10-7300		Additional 18" Grab Bar - Antimicrobial	1	RRI		
05-10-7301	<	(1) 18" Bar, ANTIMICROBIAL (SPECIFY LOCATION)	2	RRI		
		(1) Side entry door exterior.				
		(1) Interior at 45 degree angle on the bench front face.				
		<b>PLASMA HANGER</b>	<b>1</b>	<b>RRI</b>		
05-11-4000		IV Hangers - CPI #IV2008 (STANDARD)	1	RRI		
05-11-4002	<	Quantity (2)	1	RRI		
		The IV in the ceiling medical device rail will be relocated back one section.				
		See drawings				
05-11-5600		IV Hangers - Perko IV Clips, #1309	1	RRI		
05-11-5602	<	Quantity (2)	1	RRI		
		(1) on each side of the CPR seat.				
		<b>INTERIOR STREETSIDE #1 - LEFT STACK and BULKHEAD</b>	<b>1</b>	<b>RRI</b>		
05-12-0200	< >	Upper Bulkhead Cabinet - Double Doors (STANDARD)	1	RRI		
		Upper Bulkhead Electrical Cabinet, Double Doors				
		- Install double hinged Kydex Thermoplastic or multi-spec (picked in the proper section of work order) doors with locking latch on the right hand door and center mullion on the left hand door on the standard upper bulkhead electrical cabinet.				
		Must use M1 latches for CN 10 certification (STANDARD)				
05-12-1610	S <	Left Stack - Storage Area #1 - 45 Deg Angled -CN 10 Certified	1	RRI		
		A two section vertical cabinet shall be provided behind the attendant seat on the streetside forward corner on a 45 degree bevel that includes the access doors to the cabinet. The lower cabinet door shall be aluminum with plastic laminate and the upper cabinet shall be a hinged Polycarbonate door with full perimeter extruded aluminum frame and integral latching handles.				
05-12-16SR	XU < >	Bulkhead Cabinet, Lower - (2) Tip-out for D-Cylinders	1			
		SR#2020633F				

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		Lower bulk head cabinet with Avonite counter and a tip-out door to accommodate (2) Zico QR-D brackets. **Need new solution so that screws/bolts do not show on outside of door.				
		The (2) Zico brackets will be mounted to wall #2.				
05-12-1810		Shelf Adjustable - Left Stack	1	RRI		
		<b>INTERIOR STREETSIDE #2 - ACTION AREA</b>	<b>1</b>	<b>RRI</b>		
05-13-0700		Medical Device Rail - Action Area Wall	1	RRI		
05-13-0802	<	Cabinets - Upper Left U2 and U2.5, Std Configuration (UM) -CN 10 Certified - (2) Cabinets over Action Area with sliding doors and restocking feature. The forward UL #2 and the rearward UL #2.5 cabinets to include (1) adjustable shelf in each cabinet. The attendant switch panel and environmental controls to be built into a separate 6" high section below the Upper Left #2.5 cabinet and tilted slightly down for ease of accessibility to the attendant.. (STANDARD Ultramedic, Promedic)	1	RRI		
05-13-2209		Avonite Stormy Gray, F1-9010 (STANDARD)	1	RRI		
05-13-2300	S >	Countertop - Forward Action and Bulkhead and Squad Bench	1	RRI		
05-13-2620	XU	Relocate SSCOR suction canister, lower left	1			
05-13-2650	< >	Drawer - Lower Left-Specify Location,(under counter requires #2 Note: Drawer would not stay closed. Please ensure that drawer has proper catches to prevent opening when unit goes around a corner.	1	RRI		
05-13-2652		Slides - Non-Locking 18"	1	RRI		
		<b>INTERIOR STREETSIDE #3 - CPR SEAT</b>	<b>1</b>	<b>RRI</b>		
05-14-0500	<	Streetside - CPR Seat, Standard Configuration - The CPR seat shall include a flip up seat equipped with a gas strut hold open device and positive latch for securing the lid when closed. The CPR seat shall include a 2" foam seat and backrest, the upper and lower sections will be padded on both sides for added protection.	1	RRI		
05-14-0550	<	Notch the face of the lower left in the CPR seat area. Add a 4 inch deep recessed notch in the lower left at the CPR seat area. Notch to start just above floor cove extrusion and extend up to the top of the CPR seat lid.	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		This area is to be lined with stainless steel. See drawings.				
		This option requires minimizing the height of the wheel well housing.				
05-14-0900	<	CPR Seat Lid Hold-Down CPR Seat Lid Hold-down - Install a Black Tri Mark recessed paddle latch, (1) under CPR seat lid.	1	RRI		
05-14-2560	<	Seat Belt, CPR Seat - 4 Point-(Per4Max) Black, Change Notice 8- Compliant Above Lid mounted	1	RRI		
05-14-3900	<	"U" Barrier Bar, Padded, 6 7/8 x 7 1/2, 1.5 inch SS, CPR Seat Mounted at the front of the CPR side seat vertically in line with the Padded head cushion on the "U2" cabinets.	1	RRI		
		<b>INTERIOR STREETSIDE #4 - REAR AREA</b>	<b>1</b>	<b>RRI</b>		
05-15-1020	S <	Cabinet - Upper Left U4, Standard Configuration- CN 10 Certified Upper left U4 cabinet with sliding polycarbonate doors with spring loaded latching handles, restocking feature with spring loaded exterior integral latch and (1) adjustable shelf.	1	RRI		
05-15-4620	S < >	Cabinet -Center Left C4, 12"H x Full Depth w/ Sliding Doors -CN 10 Certified Center left C4 cabinet with sliding polycarbonate doors with spring loaded latching handles, approximately 12"H x Full Depth with no restocking feature.	1	RRI		
		THIS CABINET WILL NOT GET AN ADJUSTABLE SHELF.				
		<b>INTERIOR CABINETS- SQUAD BENCH AREA</b>	<b>1</b>	<b>RRI</b>		
05-16-0100		Curbside Squad Bench - Two Piece Hinged Lid	1	RRI		
05-16-0105	XU <	ILOS Cabinet Forward bench side with counter top and pull out drawers SR#2016808F	1			
		Cabinet at the head of the squad bench with counter top and (2) drawers. Drawers to open over bench. Drawers to have 12" non-locking slides and be held closed with a locking latch. Drawer face to be solid				

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		aluminum and finished to match the interior of the module..				
		Counter to be 13"W, drawers will be approximately 12"D, opening towards the rear. Squad bench will be 72".				
05-16-01SR	XU <	Install Customer Supplied Havis Base on Action Area counter SR#2020633F	1			
		Install customer supplied Havis C-HDM-134 Mount base at delivery.				
		Does not include power if needed.				
		Reinforcement needs to be added to the rear of the action area counter top.				
05-16-02SR	XU <	Notch the Cabinet at the rear of the Squad Bench SR#2020633F	1			
		Cut out notch in area rear of squad bench to increase overall length of bench area to 78". Notched out area must large enough for patient "feet". This requires a dog leg in the #6 compartment				
05-16-0300		Restraint Belts, Squad Bench - Standard	1	RRI		
05-16-0500		Medical Device Rail - Squad Bench	1	RRI		
05-16-0600	<	Latches, Lids - Squad Bench Tri Mark , Standard	1	RRI		
		*****NOTE*****				
		THE LATCH AND THE RESTRAINT BELT RECIEVERS WILL NEED TO BE SWAPPED IN LOCATION TO ALLOW THE BELTS TO BE IN LINE WITH THE RECIEVER.				
		THIS IS SO THAT THE BELT IS NOT DRAPPED ACROSS THE SECOND PATIENTS NECK AREA.				
		SEE DRAWINGS				
05-16-1021	<	Seat Belts, Squad Bench - Two 4-Point belts (Per4Max) Black- Change Notice 8- Above the Lid Mounted	1	RRI		
05-16-1025	<	Notch the face of the squad bench area. Add a 4 inch deep recessed notch in the	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		<p>face of the squad bench. Notch to start just above floor cove extrusion and extend up to the top of the bench lid. Each side of the notch is to 45 degree chamfer that extends back to the 4 inch deep recess. This notched area is to be lined with stainless steel.</p> <p>See drawings.</p> <p>This option requires minimizing the height of the wheel well housing.</p>				
05-16-12SR	XU <	<p>Cabinet at the rear of the bench, forward facing SR#2020633F</p> <p>There will be a cabinet at the rear of the bench, above the exterior #6.5. Cabinet will be approx 16"H x 22"W with hinged ploycarbonate doors. Includes adjustable shelf.</p> <p>CN10 compliant</p>	1			
05-16-13SR	XU <	<p>Medi-Kool Micro unit SR#2020633F</p> <p>Medi-Kool Micro unit mounted below the cabinet facing towards the front of the module on the #6 interior wall.</p> <p>*****Please see special location for control knob installation. Last unit placement was an issue.*****</p> <p>See 05-16-14SR</p>	1			
05-16-14SR	XU <	<p>MK Micro Control Knob Location SR#2020633F</p> <p>Recess MK Micro control head in the #6 cabinet wall. No portion of the control head, including the knob shall stick out past the recess. The previous unit had the control knob pulled off and bumped causing the temperature setting to constantly change.</p>	1			
05-16-8400	< >	<p>Cabinet - Upper Squad Bench, 9"H, 72" Headroom ONLY</p> <p>There shall be a cabinet located above the squad bench. The cabinet will be approximately 9"H x 8-1/2"D and will be the same length as the squad bench. The cabinet shall be divided into two (2) separate sections by a fixed center divider. Each section will have 3/8" Lexan lift up</p>	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		doors with restocking feature and (2) locking latches. Does not include shelves. The distance between the top of the squad bench cushion to the bottom of the cabinet cushion shall be a minimum of 43" in compliance with KKK-A-1822F requirements for head clearance.				
		Each section comes with (2) gas struts.				
05-16-84SR	XU <	U6 cabinet at the rear of the bench w/MedVault SR#2020633F	1			
		Cabinet will house a customer supplied MedVault, facing the aisle way on the upper #6 interior wall.				
05-16-SR04	XU <	Gas Strut, Dual 20# on Frameless Door ILOS SR#2020633F (SO.STRUT.1R6183)	2			
		for cabinets U7 and U7.5				
		<b>INTERIOR - BIOHAZARD</b>	<b>1</b>	<b>RRI</b>		
05-17-1000	>	DELETE - Standard Squad Bench "A" Bar Grab Bar	1	RRI		
05-17-2000	>	Glove Butler(s)	1	RRI		
05-17-2100	< >	Glove Butler (3) Total - Over Curbside Entry, Drop down Door (3) Glove Butler II glove boxes installed above the side module entrance door inside a cabinet with drop down door and (2) locking latches. Door to be Kydex Thermoplastic or multi-spec covered and bottom hinged to tip out for restocking. Access holes to be cut in door for glove removal.	1	RRI		
		****NOTE****				
		ON PREVIOUS TWO UNITS THE LATCHES WERE NOT HOLDING PROPERLY AND THE DOOR WOULD KEEP FALLING OPEN.				
		MUST BE TESTED, FIXED, AND DESIGNED PROPERLY TO PREVENT THE DOOR FROM OPENING BY ITSELF.				
05-17-3900	S < >	Drawer - 14" Waste and Sharps, Slide-out, Forward of Squad Bench The cabinet shall include a pull out drawer at the head of the squad bench. This will include a slide out combination	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		Waste/Sharps storage drawer. Supplied with a 5 quart Sharps container and an 8 quart Waste container. Face of slide out drawer to be stainless steel and will include a locking latch.				
		NOTE: Depth of drawer to 14" to allow 14" slides to give full access to the sharps and waste containers.				
05-17-39SR	XU <	AeroClave ADP, Ambulance Port, 8' Hose SR#2020633F	1			
		Installed through the #4 compartment to the interior of the module above the rear doors.				
		<b>INTERIOR CURBSIDE - RIGHT STACK STORAGE #8</b>	<b>1</b>	<b>RRR</b>		
05-18-0600		Right Stack - Upper Heater-A/C Unit, Standard Configuration (UM & PM)	1	RRR		
05-18-0800		Right Stack - Hidden Air Intake (STANDARD)	1	RRR		
05-18-1000		Right Stack - "A" Style Standard (UM & PM)	1	RRR		
05-18-100S	XU	Right Stack - "A" Style Custom	1			
05-18-9310		Door - Heavy-Duty Roll-up Locking Door, ALS RF Cabinet	1	RRR		
		<b>ATTENDANT SEAT</b>	<b>1</b>	<b>RRR</b>		
05-19-0500	>	Seat, Attendant, EVS 1880, Child safety, Comfort, Per4Max Belt-Black	1	RRR		
05-19-0501		Color - Ash Gray	1	RRR		
05-19-6501		Attendant's Seat Base, EVS Swivel 2 Pos	1	RRR		
		<b>INTERIOR COLORS</b>	<b>1</b>	<b>RRR</b>		
05-20-5205	S	Thermoplastic, anti-microbial, Standard Interior Finish	1	RRR		
05-20-5210	<	Thermoplastic, anti-microbial, Sterile Linen, cabinet finish Part Number #KD18800	1	RRR		
05-20-5300	<	Upper Band Vinyl Color - Cabinets and Stitched Cushions Upper Band Vinyl Color Choice for cabinets and stitched cushions.	1	RRR		
05-20-5326		Color - Stratford Smoke SF-74	1	RRR		
05-20-5500		Lower Band Vinyl Color - Vacuum Formed Cushions	1	RRR		
05-20-5502		Color - Ash Gray	1	RRR		
05-20-9850		Polycarbonate Color Choice	1	RRR		
05-20-9852	S <	Polycarbonate, Clear 1/4" polycarbonate	1	RRR		
		<b>MISC. INTERIOR OPTIONS</b>	<b>1</b>	<b>RRR</b>		
05-21-5000		Squad Bench & Lower Left, 4 Inch Brushed Stainless Kickpanels	1	RRR		
05-21-8500		Cabinet Latch - Southco 2" Round, Stainless Locking- CN 10 -Rated at 10lbs	14	RRR		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
05-21-SR01	XU <	Gen II (OHO) doors for the following cabinets: SR - 2020683F  C1, U7.5, U7 and cabinet doors facing forward rear of squad bench.  **Not sure how to pick 00-05-0100????	1			
06-01-0100		General Wiring - General Harness Standard	1	RRI		
		<b>COMMUNICATION</b>	1	RRI		
06-06-0150	<	Antenna UHF/VHF - (2) Prewire, Standard two RG58AU low loss cables installed from the two-way radio cabinet to the ceiling of the module. Accessible be removing an interior light in the patient compartment ceiling. The interior light shall include an etched plastic label identifying the plate as the antenna access point.  The cables shall route from the module roof to the cab behind the passenger seat.	1	RRI		
06-06-1000	<	Camera - Exterior Back-Up, Over Rear Doors for Multi-plex Install one (1) Audiovox, ASA Voyager VCCS-155 color camera. Exterior mounted and connected to vehicle's main video display.  ***NOTE*** VMUX video inputs to include backup camera and the interior module camera.	1	RRI		
06-06-1030	<	Camera - Interior, Patient Monitor, Rear Header for Multi-plex Install one (1) Audiovox, ASA Voyager VCCS-150 color camera.  ***NOTE*** VMUX video inputs to include backup camera and the interior module camera.	1	RRI		
06-06-1600		Two Way Radio Routing Path Cab to Module. (STANDARD)	1	RRI		
06-06-16SR	XU <	Install Customer supplied Radio Cables SR#2020633F  (Red Connectors) Red/Black/Yellow cables will plug into the radio heads. (1) in the center console and (1)curbside angled housing above the squad bench.	1			

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		(Blue Connectors) (1) From behind the passenger seat to the curbside angled radio panel. (1) from behind the passenger seat to the center console.				
		These will plug into the radio heads. Will be hooked up to Direct to battery power and Ground. (1) in center console and (1) curbside angled cabinet.				
06-06-1700	<	Two Way Radio Prewire, 12VDC Power and Ground (STANDARD) Both wires to route to behind the passenger seat.  Direct to Battery.  Wires to be labeled at both ends.	1	RRI		
06-06-6000	<	Radio Power - (1) 8 Gauge 12VDC Power/Ground Terminate in the Action Area.  Direct to battery	1	RRI		
06-06-6200	<	Radio Power - (3) 8 Gauge 12VDC Power/Ground (1) to compartment 4, wall 1 up high and coil toward the top of compartment above SCBA bracket. (1) to compartment 6, wall 3 and coil up high. (1) in the #6 cabinet for future install Medvault 2  Direct to battery	1	RRI		
06-06-6600	XU <	Radio Power - (2) Power Post (1) Ground Post (1) Set in the center console.  Direct to battery/ Ignition Hot/ Ground.  (1) Set in the curbside angled cabinet above the squad bench.  Direct to battery/ Ignition Hot/ Ground.  Must be marked clearly!!!	1			
06-06-SR01	XU <	FIRECOM SR#2020633F  DIGITAL INTERCOM 1RADIO FIRECOM,	1			

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		<p>(1) 110-5136-30 MR-52X,MOTOROLA, 4 FT. Motorola APX 6500, (1) WB505R WIRELESS BASE STATION 5-USER RADIO TRANSMIT, (3) UHW505 RADIO TRANSMIT UH,DECT7, 4 HEAD, (3) 520-0676-00 HANGER HOOK FOR HEADSET BLACK. 5 And install.</p> <p>(2) headsets/hooks in the cab over the shoulders towards the center of the cab.</p> <p>Mount the Firecom box in the center console. The wireless module will be located in the rear of the cab.</p> <p>Each headset shall be able to communicate among themselves through the intercom and transmit/receive through the radio.</p>				
06-06-SR02	XU <	<p>Install Customer Supplied Antennas for GPS and Opticom SR#2020633F</p> <p>Install customer supplied antenna for the GPS and Opticom. The GPS antenna will install on the cab and will route to the center console. The opticom antenna will install on the module roof in position #1 and will terminate in the power dist. cabinet.</p> <p>Install a 880MHZ antenna (Stubby) route to center console Customer supplied.</p> <p>Add a power source 8 ga. power and ground wired direct to battery, to top surface of angled cabinet behind attendant seat. -</p> <p>Customer would like the radio transmitter to be powered to come on with the white center light and the GPS transmitter to be wired constant hot.</p>	1			
		<b>RADIO AND CLOCKS</b>	1	RRI		
06-07-6000		Clock - Digital DDS 12/24 Hour 2.5" LED, Over Rear Doors	1	RRI		
		<b>07 - ELECTRICAL 12 VOLT DC</b>	1	RRI		
07-01-0010	<	<p>Crct Pwr Accs.,Ign/Shrline,1-20 amp 12VDC to 2 locs,W/O,PD9130 chgr</p> <p>(1) 10 amp lead shall be coiled up behind the A./A panel for future use.</p> <p>(1) 10 amp lead shall be coiled up behind the drivers seat in the cab, for future use.</p> <p>Note: This code will be used when and additional battery charger has already been installed, the PD9130 will not be used with this option.</p>	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
07-02-1000		Voltmeter - Standard	1	RRI		
07-02-1100		Alarm,Low Voltage,With Buzzer and Indicator,in cab console	1	RRI		
07-03-2000		Ammeter - for multiplex system	1	RRI		
		<b>BATTERY SYSTEM</b>	<b>1</b>	<b>RRI</b>		
07-04-5305		Ignition Battery Shut off Timer, 5 minute, (Standard)	1	RRI		
07-05-0500	<	Batteries - Type MD Configuration, (3) OEM Batteries Include three OEM Batteries stored in the curbside under chassis cab passenger's side door.	1	RRI		
07-07-0500		Module Disconnect - Multiplex System,	1	RRI		
07-08-0100		Battery Ground	1	RRI		
07-09-6000		Battery Charger - Prewire only, 12V. (STANDARD)	1	RRI		
07-10-1500		Power Outlets 12V, (2) Power Point Style, Direct to Battery	1	RRI		
07-10-5302	<	(2) Additional 12V Outlets, Direct to Battery (1) Head of squad bench (1) Above the shelf in the C1 cabinet.	1	RRI		
07-10-7200	<	Outlet, Dual USB Port, 5VDC, 2.1Amp output, Standard Located on the passenger side of the center console, per Electrical Engineering	1	RRI		
		<b>FRONT CONSOLE</b>	<b>1</b>	<b>RRI</b>		
08-01-3105	XU <	Driver's Switch Panel/Radio Console - VMUX, Custom Console will be black scorpion coated. VMUX will be at the upper portion of the console. Below that to the left will be the VMUX joystick and to the right of th joystick will be the siren.  Below the siren will be space to recess mount a Motorola APX 6500 Radio. Below that will be cup holders with no handles. Below that will be map box with (3) dividers and below that will be a glove box storage to fit (4) glove boxes.  SR#20161076F  Reinforce the front passenger side as well as the top/ front of the console. The customer will decide in delivery on where to mount the customer supplied Havis Telescope Pole Mount. Does not include power if needed.	1			
08-02-1150		Driver's Control Panel - V-Mux, Touch Screen	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
08-02-1153		Console Mount with bezel and USB charging port.	1	RRI		
08-02-11SR	XU <	Cab Dome Lights Red/White SR#2020633F	2			
		Whelen 60CREGCS 12 Diode Interior Light, Split Red/White, 6" Round Surface Mount, Includes Switches.				
		Installed over the driver and passenger seat in the cab.				
		<b>ATTENDANT CONTROL PANEL</b>	<b>1</b>	<b>RRI</b>		
08-03-1150		Attendant's Control Panel V-MUX, Touch Screen, with bezel and USB charging port.	1	RRI		
08-04-6002	<	Power Distribution - Weldon V-MUX, Video Inputs (UM & PM) Weldon V-Mux Multiplex System w/7" LCD VGA Touch Screen on front and rear switch panels with V-Mux Nodes. Includes an O2 Regulator/Transducer Mounted in #1 Compartment. INCLUDES VIDEO INPUTS FOR BACK-UP CAMERA. NOTE: The battery shut-off circuit to remain on for 5 minutes after the ignition has been shut off. Shutting off the ignition 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/vehicle restocking. Clock - Digital, Rear Control Panel, V-Mux display Electrical System 12V - V-MUX Multiplex System. Voltmeter - Standard for V-Mux Alarm, Low Voltage. Console, V-MUX Ammeter - for MULTIPLEX ELECTRIC SYSTEM. V-MUX Module Disconnect - V-Mux Multiplex Electrical System	1	RRI		
08-04-6020		Joystick Control - Weldon V-MUX with quick buttons	1	RRI		
08-05-5100		Clipboard/Mapbox, (3) Dividers	1	RRI		
		<b>EMERGENCY SYSTEMS - International Trucks WARNING AUDIBLE - SIREN, SPEAKERS, AIR HORNS</b>	<b>1</b>	<b>RRI</b>		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
09-03-1010		Siren Electronic - Whelen 295SLSA1	1	RRI		
09-03-2210		Speakers - (2) CPI "Though-The-Bumper" for Navistar	1	RRI		
09-03-403S	XU	Siren Electronic, Addtional - Whelen 'Howler',International	1			
09-03-40SR	XU <	Momentary Air Horn Switch ILOS SR#2020633F	1			
		Add momentary switch for air horns for passenger. Installed on center console. Remove the OEM foot switch from the passenger side.				
		Cole Hersee push button w/ Guard				
09-05-0200		Backup Alarm (STANDARD)	1	RRI		
09-06-0200		Emergency Sequencer/Load Manager (STANDARD)	1	RRI		
		<b>AUXILLARY EMERGENCY LIGHTS</b>	<b>1</b>	<b>RRI</b>		
09-80-2110	< >	Warning Light Flasher - Vanner 9860GCPE - (STANDARD) PC System Vanner 9860GCPE Halogen/LED electronic flasher to power specified lights. Four flash Patterns avail.( Alternate flash, Triple burst, Quad burst, double burst.)	1	RRI		
		Standard will be dual Burst Flash unless otherwise noted.				
09-80-3300	<	Emergency Flashers Set to - KKK-A-1822F Flash Pattern (STANDARD) Chassis in park, only the secondary lights are flashing - including OEM wig wags.	1	RRI		
09-80-6000		Warning Lights, Secondary Mode in Park/Neutral	1	RRI		
09-95-1504	<	Whelen M9 LED, w/Chrome Flange LED - WHITE (Internal Flasher) Front body - upper center = ILOS	1	RRI		
		Set lights to Action SF 60/TF 120 Diagonal				
09-95-1505	<	Whelen M9 LED, w/Chrome Flange - RED / Clear Lens (Internal Flasher) Rear body - lower streetside window = IATS Rear body - lower curbside window = IATS	4	RRI		
		Lights are to be "X" pattern				
		Wire thru the flasher				
		Front body - upper curbside inner = IATS Front body - upper streetside inner = IATS				
		Set lights to Action SF 60/TF 120 Diagonal				

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
09-95-1505	<	Whelen M9 LED, w/Chrome Flange - RED / Clear Lens (Internal Flasher) Front body - upper curbside corner = ILOS Front body - upper streetside corner = ILOS  Streetside body - upper forward = ILOS Streetside body - upper rear = ILOS  Curbside body - Upper forward = ILOS Curbside body - upper rear = ILOS  Rear body - upper streetside corner = ILOS Rear body - upper curbside corner = ILOS  Set lights to Action SF 60/TF 120 Diagonal.  The rear body upper outer corners will be used as brake lights so they will be set to steady burn and work thru the flasher.	8	RRI		
09-95-1507	<	Whelen M9 LED, w/Chrome Flange - AMBER / Clear Lens (Internal Flasher) Rear body - Upper streetside window = IATS Rear body - Upper curbside window = IATS  Lights are to be "X" pattern  Wire thru the flasher	2	RRI		
09-95-2405	<	Whelen M7 LED - RED, Clear Lens (Internal Flasher) Rear wheel well warning - intersector - LH Side = IATS Rear wheel well warning - intersector - RH Side = IATS  Front Body - Upper Curbside Outer = IATS (Above Scene) Front Body - Upper Streetside Outer = IATS (Above Scene)  Set lights to Action SF 60/TF 120 Diag	4	RRI		
09-95-2405	<	Whelen M7 LED - RED, Clear Lens (Internal Flasher) Grille - LH Upper Corner = ILOS Grille - RH Upper Corner = ILOS  Front fender warning - intersector - LH Side = ILOS Front fender warning - intersector - RH Side = ILOS	4	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		Set lights to Action SF 60/TF 120 Diag				
09-95-2407	<	Whelen M7 LED - AMBER , Clear Lens (Internal Flasher) Rear Body - Upper Center = ILOS	1	RRI		
		Set lights to Action SF 60/TF 120 Diag				
09-95-24SR	XU <	Backing Plates for M7 Grille, Pair SR#2020633F (10143156)	1			
		<b>EXTERIOR AUTOMOTIVE LIGHTING</b>	<b>1</b>	<b>RRI</b>		
10-01-1050		Tail Lights, Brake/Turn - Whelen M6-Series LED,	1	RRI		
10-01-1240		Back-up Lights - Whelen M6-Series LED Rear,	1	RRI		
10-01-2010		Marker/Clearance Lights, Front - Whelen OS Mini LED, Amber	1	RRI		
10-01-2110		Marker/Clearance Lights, Side and Rear - Whelen OS Mini LED, Red/Amber	1	RRI		
10-01-3000		Rear Tail/Turn/Brake Light Mounting - Must choose mounting flanges	1	RRI		
10-01-3002	S <	Chrome Flange,(1) Whelen M6 (Standard M6) Pick Quantity	6	RRI		
10-01-5020		Outboard Rear Flashers, Wired to OEM Brake Lights (STANDARD)	1	RRI		
		<b>FLOOD AND LOAD SYSTEMS</b>	<b>1</b>	<b>RRI</b>		
10-02-1020	S <	Scene Lighting - (4) Whelen M9 Series Super LED See option 10-02-10SR for customer location of the upper curbside forward scene light.	1	RRI		
10-02-10SR	XU <	Relocate the the uppser curbside forward scene light. SR 2020683F Relocate the upper curbside forward scene light to just rear of the curbside entry door.	1			
10-02-2040	<	Rear Load Lights - (2) Whelen M7 Series Super LED, Gradient Scene Light (2) of these will be rear load lights.  (2) of these will be on the lower angled portions of the front Cool-Bar, with a separate switch.	2	RRI		
10-02-3010		Lighting Operation - Side Scene, Rear Load and Back-Up Lights, Standard	1	RRI		
10-02-3400	< >	Lighting Operation, Feature - Scene lights to alternate flash with warning light Scene lights on angled portion of cool bar.	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
<b>Cab Entry - Lighting</b>			1	RRI		
<b>INTERIOR LIGHTING - CEILING</b>			1	RRI		
11-01-1400	<	Dome Lights - (11) Kinequipe 8" Round LED	1	RRI		
<p>The interior lighting system shall consist of (11) Kinequipe 8" Round LED Dome Lights fixtures in the following configuration:</p> <ul style="list-style-type: none"> <li>(3) Cot lights In the medical device rail over the primary cot</li> <li>(2) Bench lights over the squad bench</li> <li>(3) Dome lights Streetside</li> <li>(1) Dome light Curbside over head of squad bench</li> <li>(1) Dome light Curbside rear</li> <li>(1) Dome Light over the walkway</li> </ul>						
<p>The four outside corner lights and the (1) light over the CPR seat area and the (1) over the walkway shall be designated module dome lights and be activated when the side or rear module entrance doors are opened or by a three-way circuit allowing these lights to be turned on and off from cab or module. The lights over the primary cot and squad bench shall have switches in the module that will allow independent high/low/off control. The lights shall produce at least 35 foot candles of light over ninety percent of the cot surface area in the high setting.</p>						
11-01-9000	<	Timer -15 minute- Restocking (STANDARD)	1	RRI		
Relocate time to the front face of the squad bench near the curbside entry door opening.						
<b>SPOTLIGHTS / HANDHELD LIGHTS</b>			1	RRI		
11-02-1000		Handheld Spotlight - Sho-Me 200,000 CP	1	RRI		
<b>ATTENDANT LIGHT</b>			1	RRI		
11-03-1010	<	Attendant Light - 6" x 14" Diffusion Plate Light (Standard)	1	RRI		
The attendant light will be centered (left to right) under the action area cabinets.						
***NOTE***						
On the first batch of North Ports the lights were installed under the U2.5 cabinet which is located towards the rear of the action area.						
<b>SHORELINE INLET</b>			1	RRI		
12-01-5400		Shore Inlet - Kussmaul Super Auto-Eject, 20Amp	1	RRI		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
12-01-6200		Kussmaul, Eject,Cover,15 or 20A,White	1	RRI		
12-01-8700	<	Shore Indicator, "ON" BLUE Marker Light (1) blue indicator light on each side of the module, just below the drip rail	2	RRI		
12-02-0200		Receptacles, Interior - 125V-15A (1) Action Wall, (1) Right Stack	1	RRI		
12-02-2050		Receptacles, Interior - (1) Additional 125V-15A, Action Area Wall	1	RRI		
12-02-2051		Receptacles, Interior - (1) Additional 125V-15A, Upper Right Stack	1	RRI		
		<b>POWER SUPPLY - 125VAC</b>	<b>1</b>	<b>RRI</b>		
12-03-1110	<	Inverter Charger - Vanner 1050W, Indicator on Console Note - inverters on last units had issues. Pin sets were different on each rescue. Please review set up and performance prior to completion.	1	RRI		
		<b>ENVIROMENTAL CLIMATE CONTROL SYSTEM</b>	<b>1</b>	<b>RRI</b>		
13-01-12SR	XU <	HVAC - Direct Discharge, ILOS (UM) SR - 2020683F Provide optimal free flow air distribution of conditioned air into the module interior. The conditioned air will be discharged from one vented face plate with RR logo laser cut into the vented panel and the air will be distributed through (4) 3" directional rear facing vents spaced appropriately across the face of the upper section of the ALS cabinet.  In order to support the efficient and effective performance of the system there will be a close out around the discharged air of the Heat/AC unit to minimize the space between the back side of the vented panel and the Heat/AC unit.	1			
		<b>AUXILIARY ENVIRONMENTAL SYSTEMS</b>	<b>1</b>	<b>RRI</b>		
13-02-0100		Exhaust Fan - 100 CFM Standard Location	1	RRI		
13-02-54SR	XU <	HVAC Aux Front Wall COOLBAR - Hoseline, International MULTIPLEX Includes a Hoseline 12VDC combination A/C-heater system WITH BRUSHLESS MOTOR, ILOS mounted above the right front cabinet.	1			
13-02-56SR	XU	2 year warranty on the rear HVAC system - unlimited mileage	1			
		<b>HVAC FRONT WALL COOLBAR COVER-HOSELINE</b>	<b>1</b>	<b>RRI</b>		
13-02-5701	<	Cover,Cool Bar,(5) 900 series lights,Halogen or SLED Drawing # 314710	1	RRI		

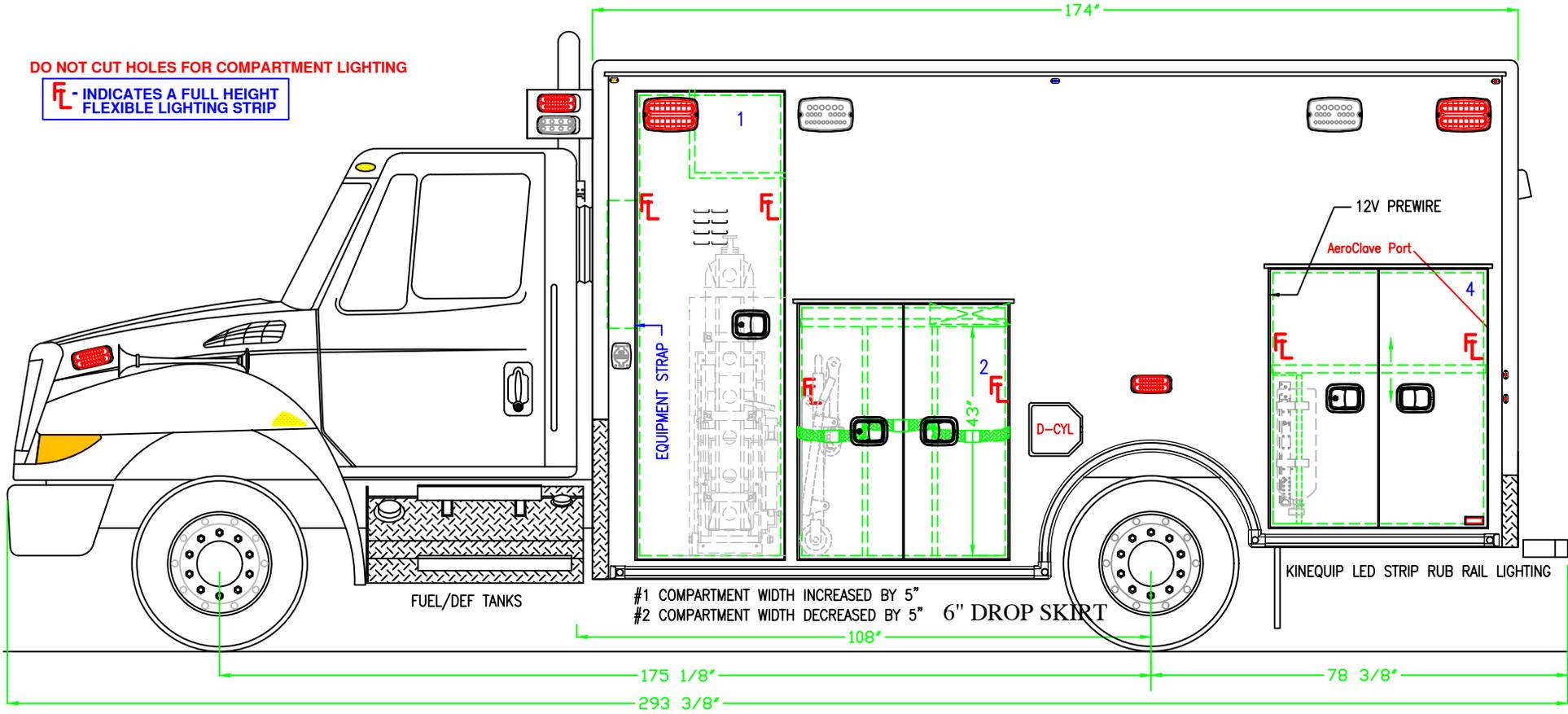
PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
		This cover is for (5) Halogen or (5) SLED lights only. Note: Will be painted same color as the mount location on box front.				
13-03-1000		Return Air System	1	RRI		
13-03-2000		Return Air Central Plenum	1	RRI		
13-03-3000		Heat /AC Cabinet	1	RRI		
		<b>COT MOUNTING PROVISIONS</b>	<b>1</b>	<b>RRI</b>		
14-01-1010		Cot Mounting - Hardware	1	RRI		
14-01-1110		Post & Wheel Cups - None (STANDARD)	1	RRI		
14-01-1623	<	Stryker Power Load, No Wheel guide - Change Notice 8- COMPLIANT includes constant hot power supply for battery charging.	1	RRI		
14-01-3097		Center Mount	1	RRI		
		<b>OXYGEN AND AIR SYSTEMS</b>	<b>1</b>	<b>RRI</b>		
14-02-0100	S	Oxygen System - VMUX	1	RRI		
14-02-1000		O2 Cylinder Wrench - (STANDARD)	1	RRI		
14-02-2220	<	O2 Cylinder Lift - Zico 'OTS' Electric with Multiversal Rack, (UltraMedic) Motor on the right.	1	RRI		
14-02-3000		O2 Control - Electric with Manual Bypass on Action Wall. (STANDARD)	1	RRI		
14-02-4000		O2 Outlets - Ohio Style, (2) Action Wall, (1) Squad Bench (STANDARD)	1	RRI		
14-02-4110	S >	O2 Outlet - Relocate (1) Curbside wall Outlet to Ceiling	1	RRI		
14-02-6150	< >	O2 Cylinder Holder - (1) Zico QR-D-2 Strapless "D" Bracket Tip out at the bulkhead cabinet. The O2 brackets will be mounted on the back wall of the cabinet.	2	RRI		
		****NOTE**** The O2 bracket cannot be installed to the door due to CN10 restrictions/testing.				
14-02-9040	<	SCBA, (2) Brackets Installed - Inside Vehicle - NFPA Compliant,Zico #ULLH Cmnt 4, wall #1 and wall #2 on angled bracket. The unistrut is from the shelf to the floor.  Cmnt 6.5, wall 1and wall #2 on angled bracket.	1	RRI		
		<b>VACUUM SYSTEM</b>	<b>1</b>	<b>RRI</b>		
14-03-1010	< >	Suction System - SSCOR On-Board (STANDARD) Conforms to J3043 requirements	1	RRI		
		<b>MISC MEDICAL</b>	<b>1</b>	<b>RRI</b>		

PART NO	S	DESCRIPTION	QTY	ID	EACH	EXTENDED
14-04-1000		Fire Extinguisher - 5# (ABC) w/ Mounting Bracket. (STANDARD)	1	RRI		
14-04-1010		Fire Extinguisher, (1) Additional - 5# Fire Extinguisher(s), Ship Loose	1	RRI		
14-04-SR01	XU <	Install Customer supplied Lifepak 15 SR#2020633F	1			
		Mount at delivery, includes an avonite riser.				
		Customer supplied Lifepak 15 will be mounted on the rear action counter forward of the CPR seat.				
		Must add reinforcement in this area.				
		<b>PAINT AND FINISH</b>	<b>1</b>	<b>RRI</b>		
15-00-0100		Road Rescue Paint Process - Standard	1	RRI		
15-01-2000	<	Module Paint - Single Color, OEM White International 4300-4400 white: NAV9212- Check chassis spec	1	RRI		
15-01-2030	< >	Module and Cab - Lower Half, Different Color, Includes Jamb Note: Must state color with paint code and request a paint spray-out for approval.	1	RRI		
		Red FLNA 3042 Upper Paint.				
		Match the OEM white on the chassis for the Lower Paint.				
15-01-5000		Cab Paint - Single Color, OEM White	1	RRI		
15-01-9810	<	Upper Paint Color Red FLNA 3042	1	RRI		
15-01-9820	<	Lower Paint Color White Match the OEM white on the chassis	1	RRI		
		<b>GRAPHICS AND LETTERING</b>	<b>1</b>	<b>RRI</b>		
15-02-80SR	XU <	Install 32" Roof Star of Life (15.3.63.0) SR#2020633F	1			
15-02-8300		Chevron Striping - Entire Rear	1	RRI		
15-02-8306	S <	Material - 6" Diamond Grade - Specify Colors Red and Yellow	1	RRI		
		ALL CHEVRONS SHALL HAVE CLEAR TAPE AROUND ALL SEAMS.				
15-02-85SR	XU <	Graphics SR#2020633F	1			
		Striping, lettering and front bumper chevron.				





# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH



DOOR NO.	INTERIOR DIMENSIONS			NOTES
	HEIGHT	WIDTH	DEPTH	
1	87.50"	28.25"	22.50"	ZICO O2 LIFT, L-SHELF, O2 STORAGE
2	47.50"	40.25"	21.62"	(2) FIXED DIVIDERS, (1) FIXED SHELF
4	48.00"	41.38"	21.62"	(1) ADJ. SHELF

DETAILS ARE CONCEPTUAL ONLY.  
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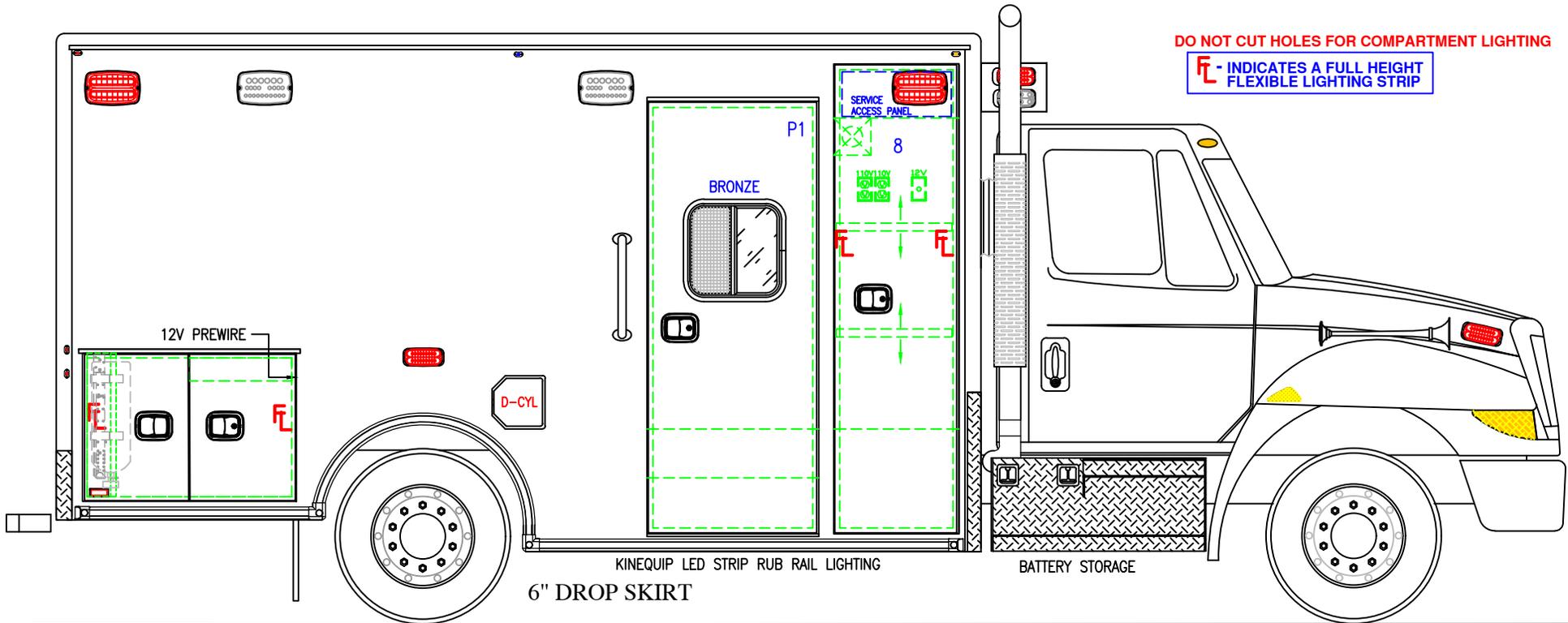
## STREETSIDE EXTERIOR DETAIL

SHEET 1 OF 13

BID NUMBER  
**18585**



# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH



DO NOT CUT HOLES FOR COMPARTMENT LIGHTING

FL - INDICATES A FULL HEIGHT FLEXIBLE LIGHTING STRIP

DOOR NO.	INTERIOR DIMENSIONS			NOTES	DOOR NO.	DOOR DIMENSIONS		NOTES
	HEIGHT	WIDTH	DEPTH			HEIGHT	WIDTH	
6.5	27.00"	40.00"	22.50"		8	77.75"	23.00"	RIGHT STACK/ALS ACCESS, LOWER #8 STORAGE
					P1	81.00"	30.00"	SLIDING BRONZE WINDOW 18" X 18"
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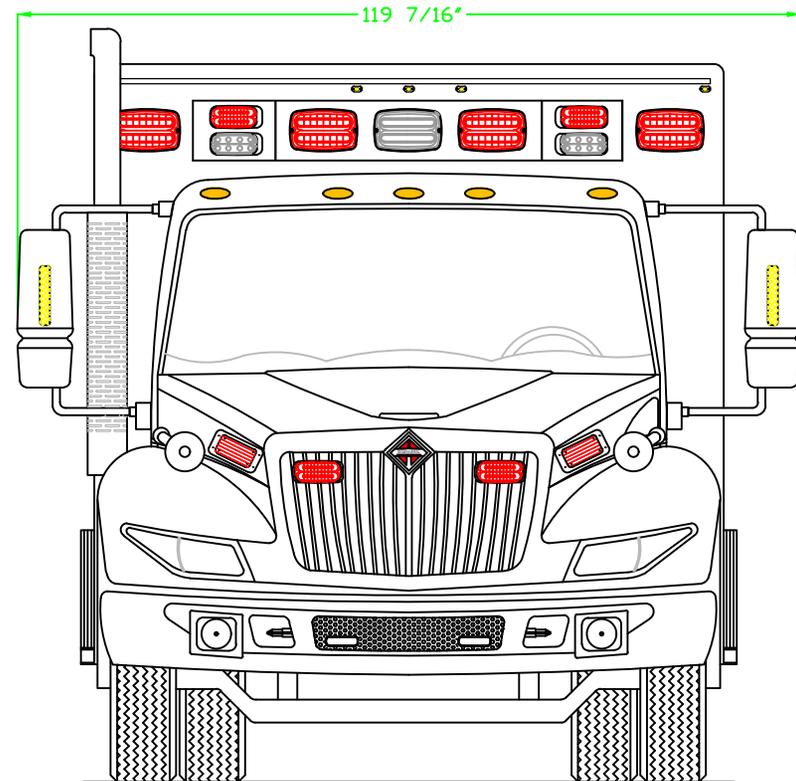
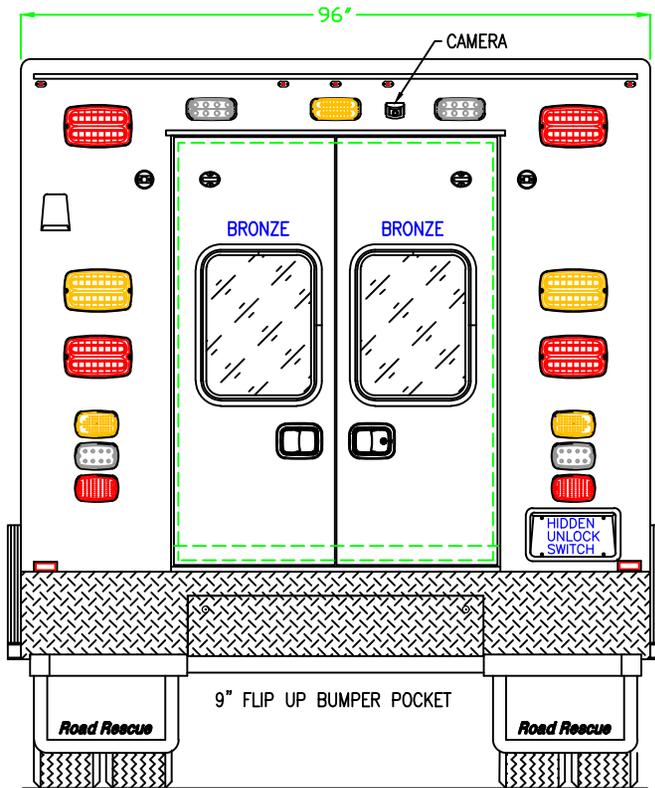
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# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH

DEALER SIGNATURE



DOOR NO.	INTERIOR DIMENSIONS			NOTES
	HEIGHT	WIDTH	DEPTH	
R1	59.62"	50.25"		FIXED BRONZE WINDOWS 18" X 24"

NOTES:

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**FRONT & REAR EXTERIOR DETAIL**

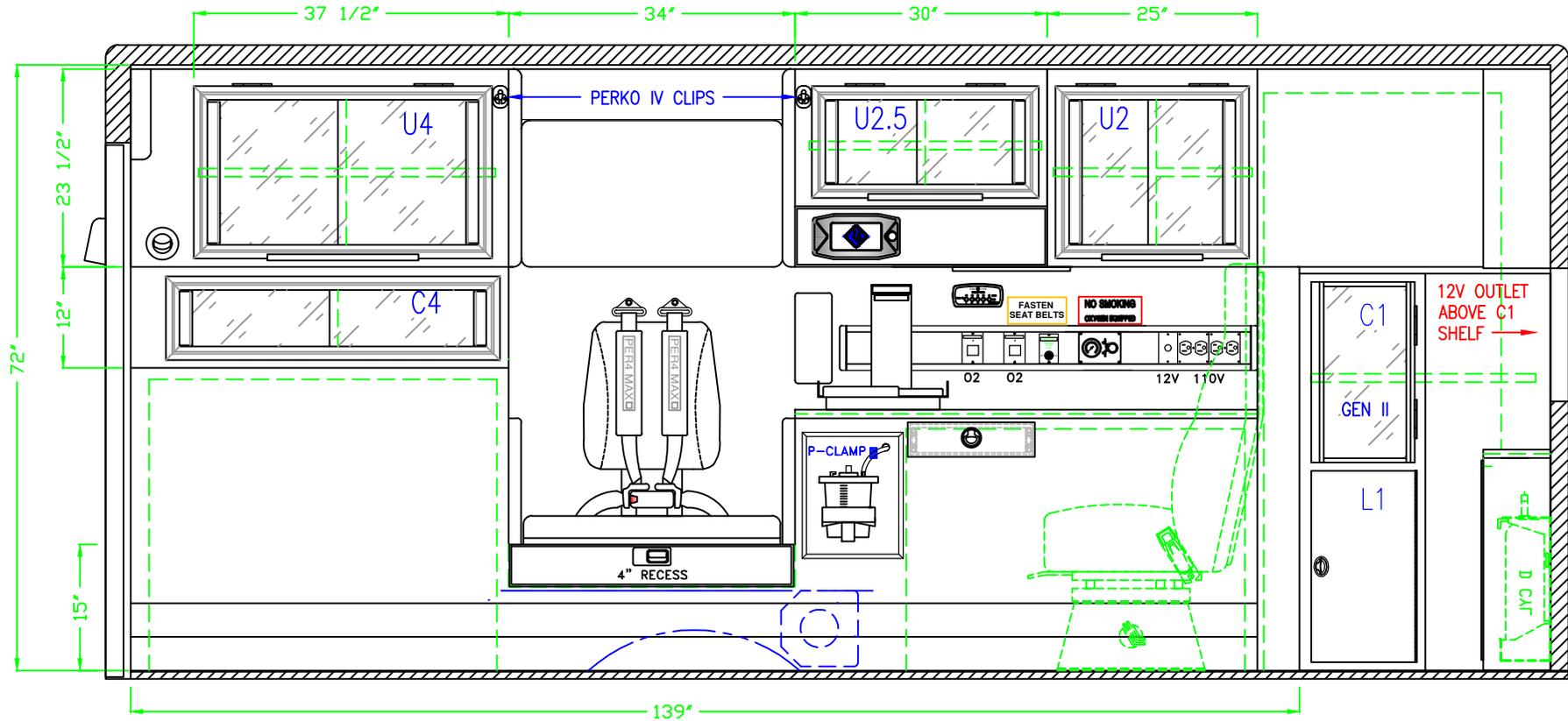
REVISION 2 REVISION 3 REVISION 5

SHEET 3 OF 13

BID NUMBER  
**18585**



# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH



DOOR NO.	INTERIOR DIMENSIONS			NOTES	DOOR NO.	INTERIOR DIMENSIONS			NOTES
	HEIGHT	WIDTH	DEPTH			HEIGHT	WIDTH	DEPTH	
C1	23.00"	29.00"	15.50"	GEN II OHO DOOR, (1) ADJ. SHELF	U4	23.50"	37.50"	18.50"	SLIDING POLY DOORS, (1) ADJ. SHELF, RESTOCK
L1	23.50"	29.00"	15.50"	SOLID ALUMINUM DOOR	C4	12.00"	40.50"	22.50"	SLIDING POLY DOORS
U2	23.50"	24.75"	18.50"	SLIDING POLY DOORS, (1) ADJ. SHELF, RESTOCKING	DETAILS ARE CONCEPTUAL ONLY. LAYOUT AND ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO MODIFICATION BY DESIGN ENGINEERING.				
U2.5	16.00"	29.75"	18.50"	SLIDING POLY DOORS, (1) ADJ. SHELF, RESTOCKING					

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## STREETSIDE INTERIOR DETAIL

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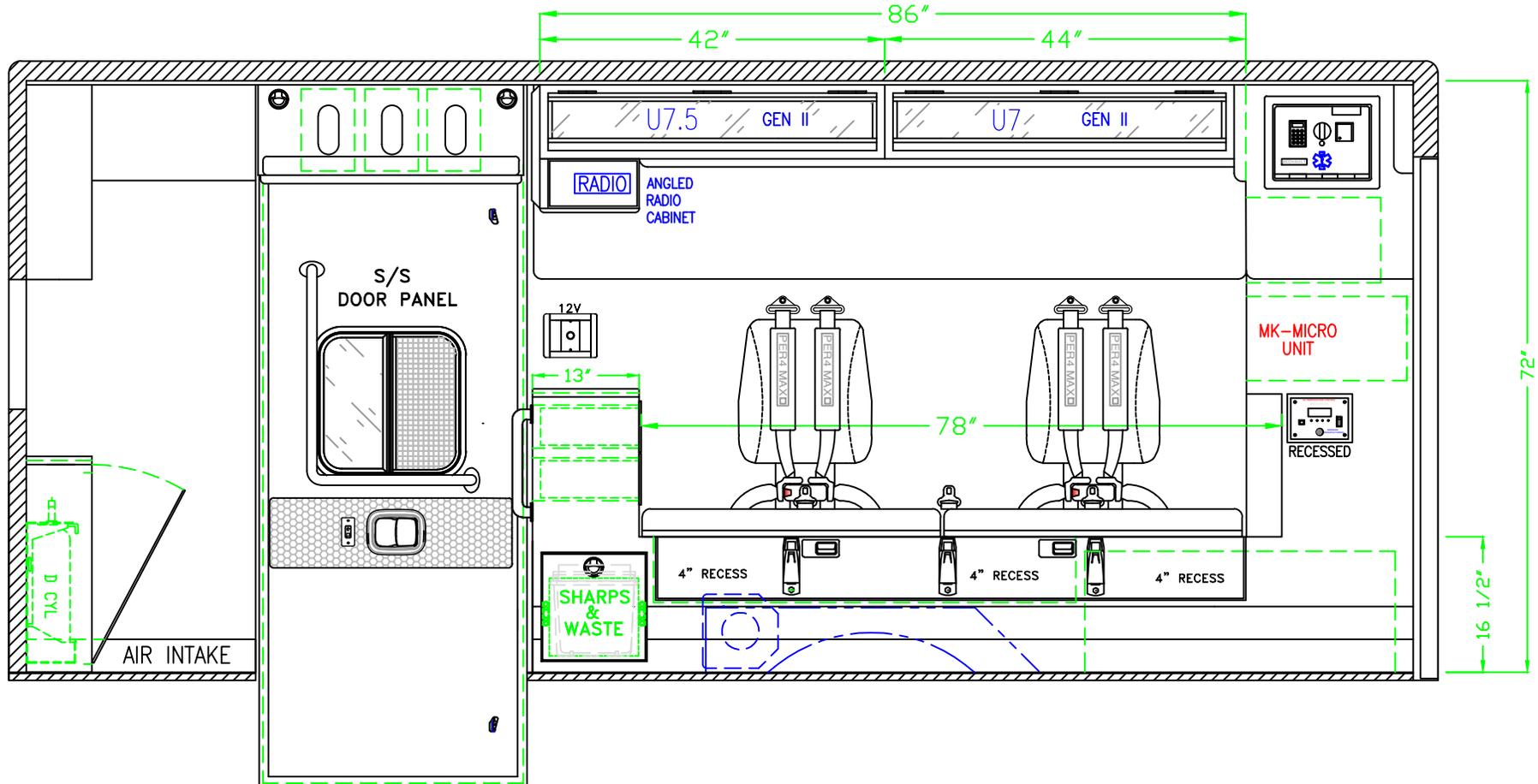
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# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH

DEALER SIGNATURE



DOOR NO.	INTERIOR DIMENSIONS			NOTES
	HEIGHT	WIDTH	DEPTH	
U7	9.00"	44.00"	8.50"	GEN II OHO DOOR, RESTOCKING
U7.5	9.00"	42.00"	8.50"	GEN II OHO DOOR, RESTOCKING

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## CURBSIDE INTERIOR DETAIL

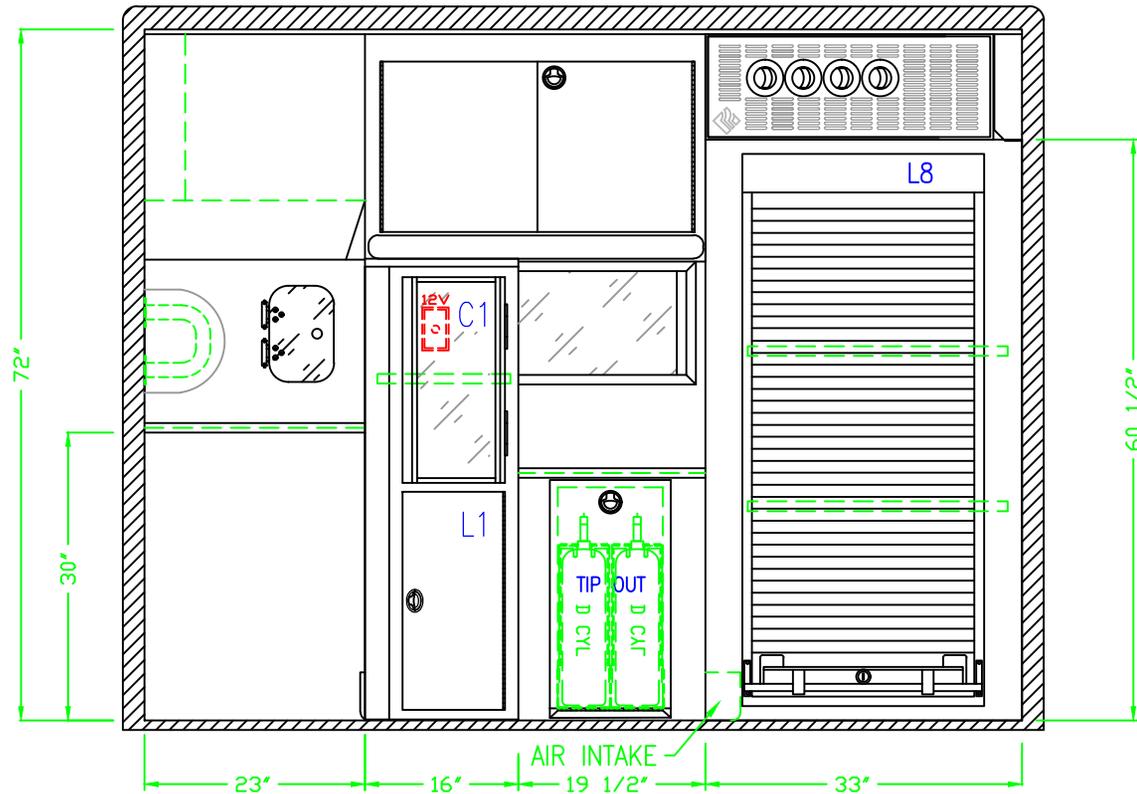
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# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH



DOOR NO.	INTERIOR DIMENSIONS			MISC. NOTES
	HEIGHT	WIDTH	DEPTH	
L8	60.00"	28.00"	27.00"	ROLL-UP DOOR, (2) ADJ. SHELVES

NOTES:

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## FRONT INTERIOR DETAIL

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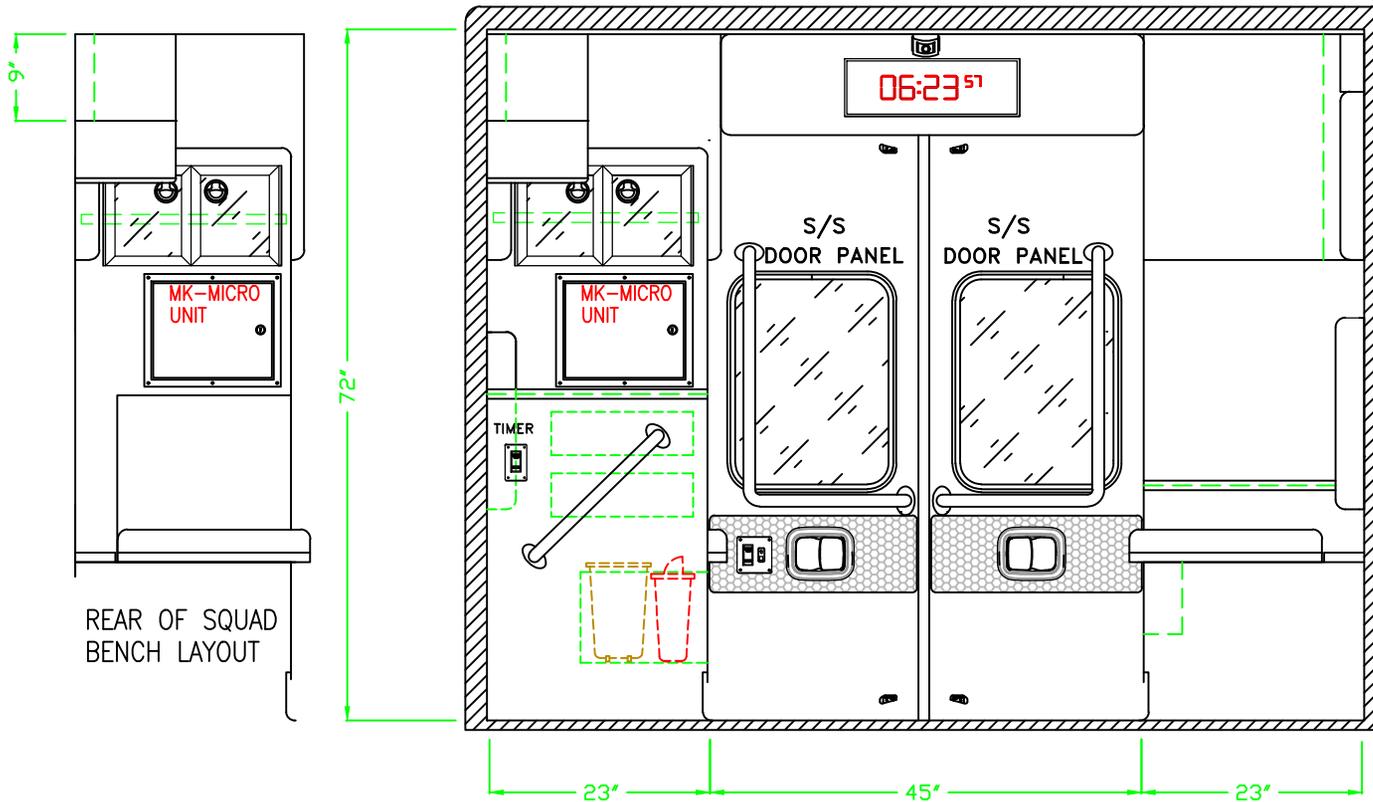
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SHEET 6 OF 13



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# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH



DOOR NO.	INTERIOR DIMENSIONS			MISC. NOTES
	HEIGHT	WIDTH	DEPTH	

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## REAR INTERIOR DETAIL

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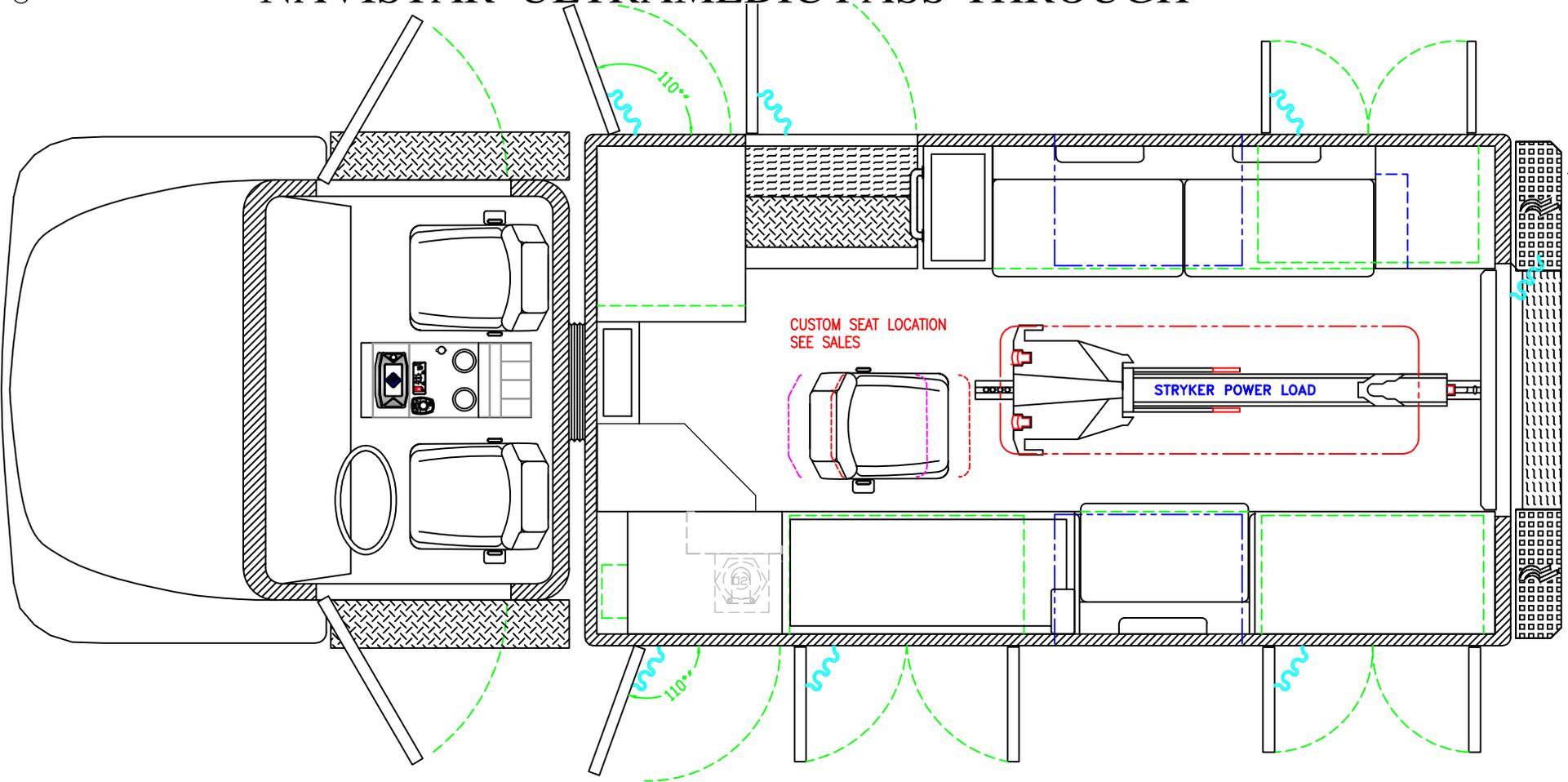
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SHEET 7 OF 13

**18585**



# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH



NOTES:

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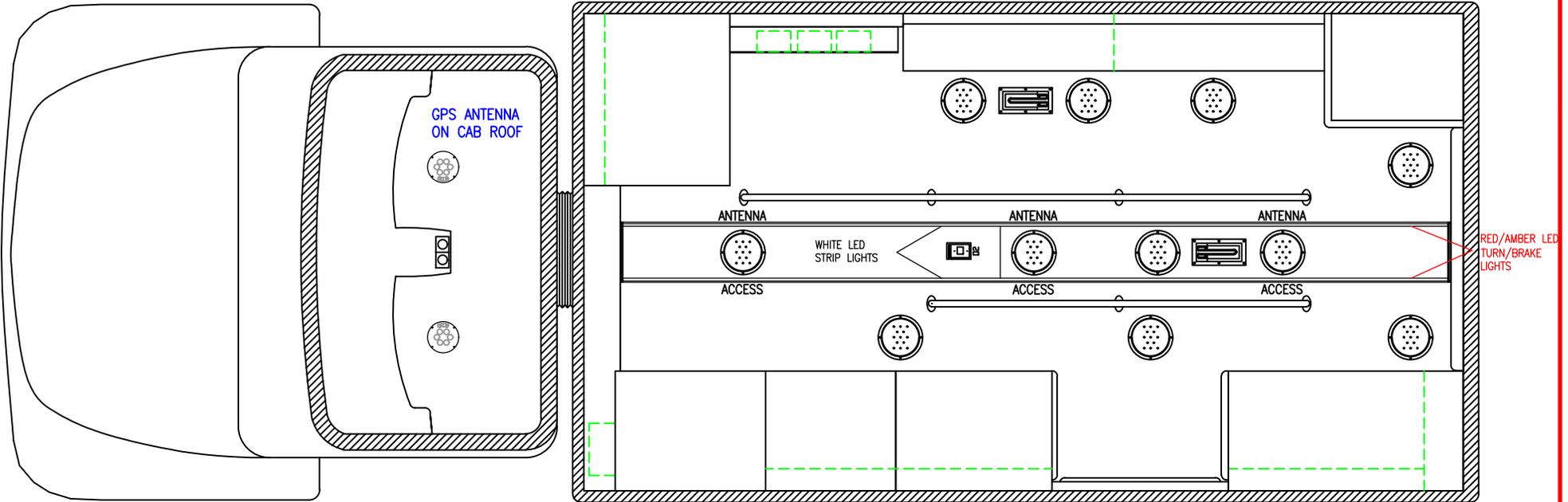
**Road Rescue** 2737 N. FORSYTH RD  
 WINTER PARK, FL 32792  
 www.roadrescue.com PHONE 800-932-7077 FAX 800-513-2688  
 DRAWN BY DATE REVISION 1 REVISION 2 REVISION 3 REVISION 5  
 MARK S. 10/09/2020

## OVERHEAD FLOOR DETAIL

BID NUMBER  
**18585**



# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH



NOTES:

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DRAWN BY: MARK S. DATE: 10/09/2020

REVISION 1 REVISION 2 REVISION 3 REVISION 5

## OVERHEAD CEILING DETAIL

SHEET 9 OF 13

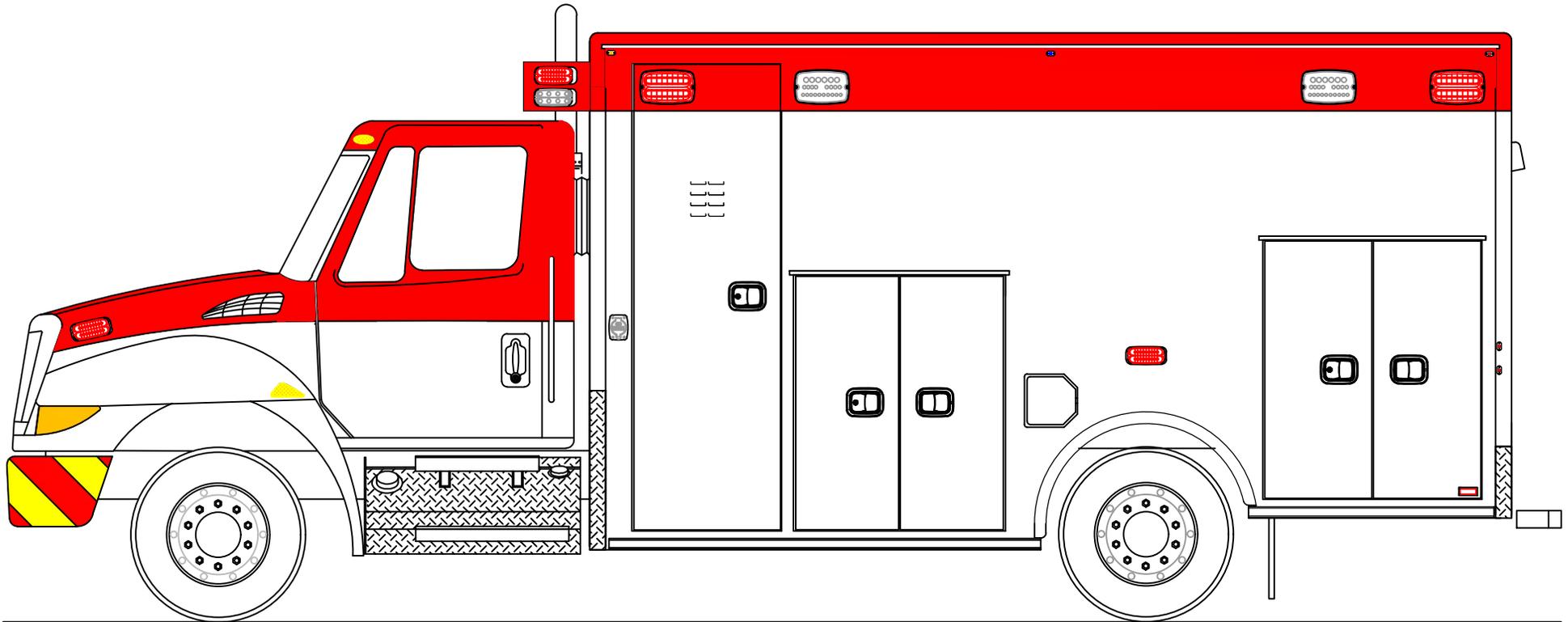
BID NUMBER  
**18585**



**Road Rescue**  
AN ALLIED SPECIALTY VEHICLE COMPANY  
*In Service for Life*

# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH

DEALER SIGNATURE



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 MARK S. 10/09/2020

**STREETSIDE EXTERIOR GRAPHICS**  
 SHEET 10 OF 13

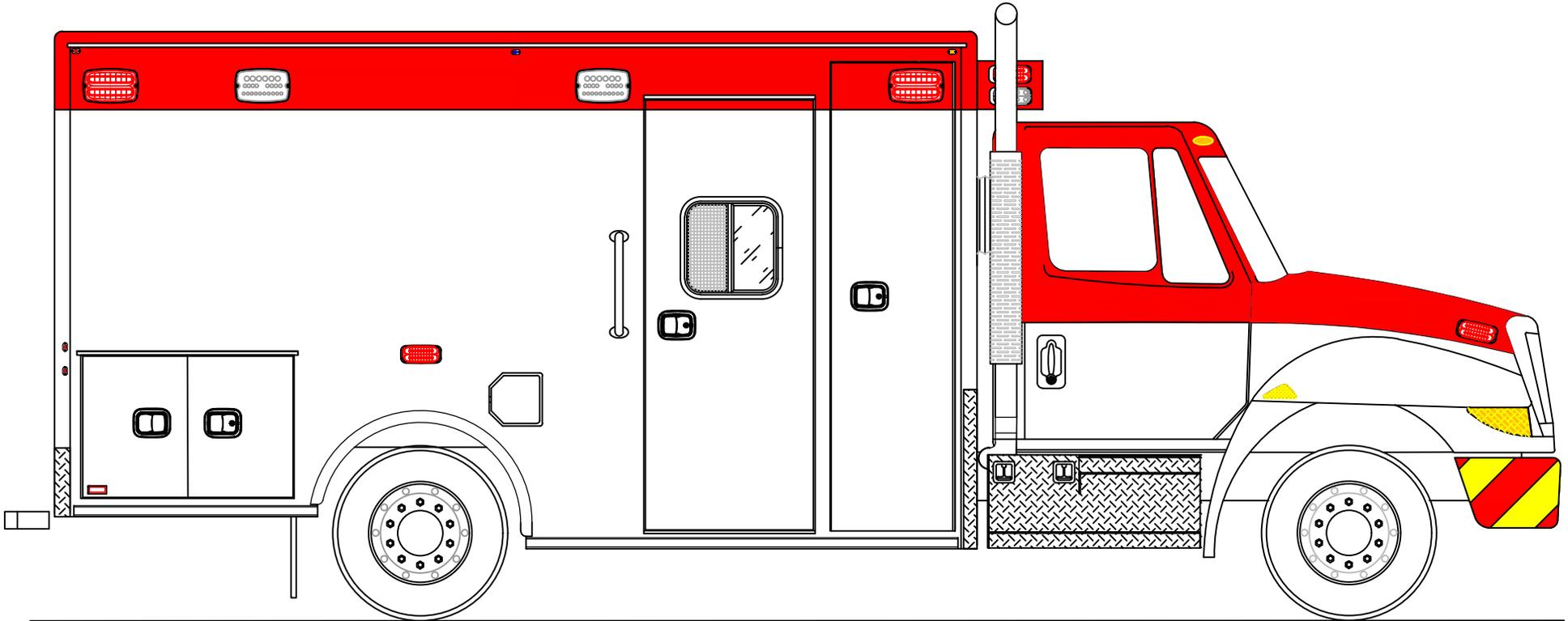
BID NUMBER  
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# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH

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 MARK S. 10/09/2020

**CURBSIDE EXTERIOR GRAPHICS**

SHEET 11 OF 13

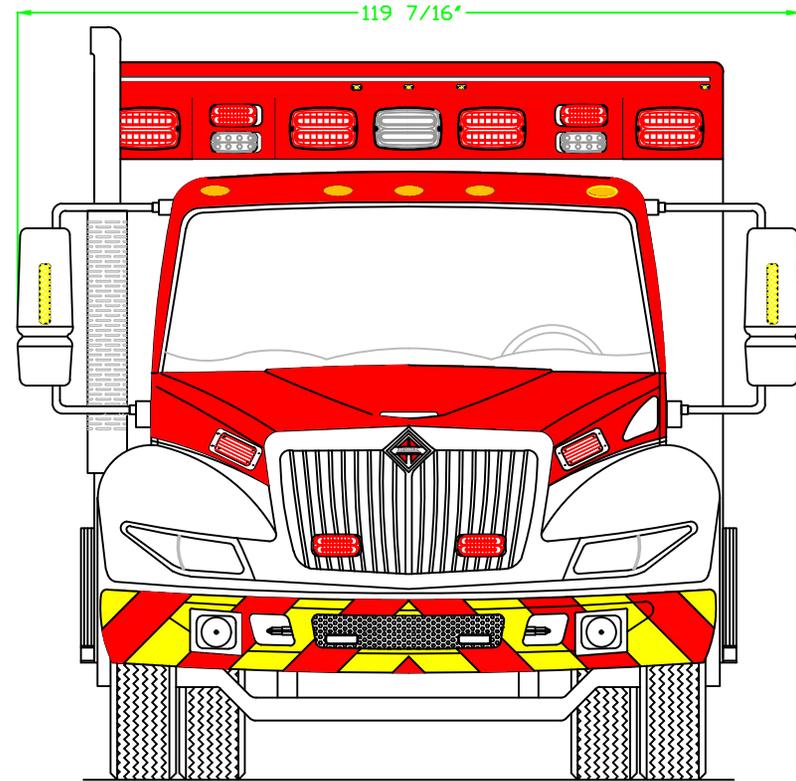
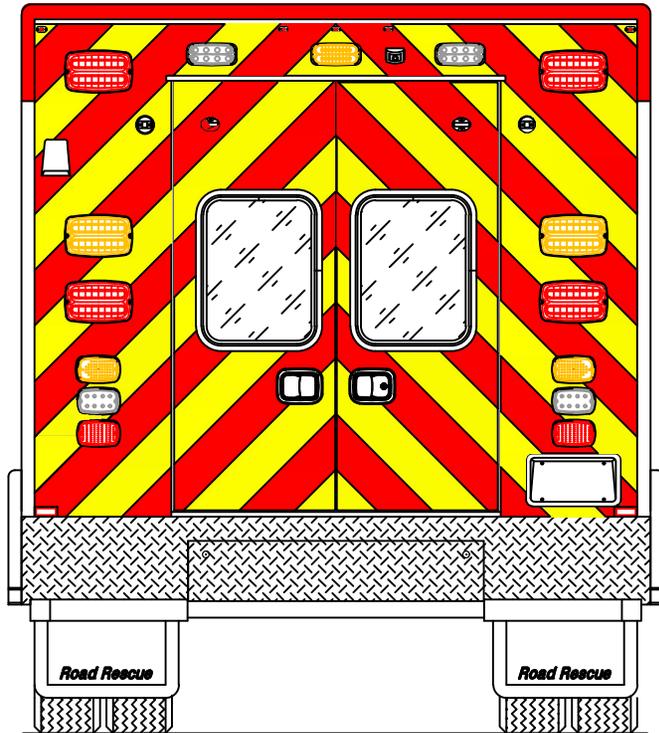
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# NORTH PORT FIRE RESCUE NAVISTAR ULTRAMEDIC PASS-THROUGH

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 DRAWN BY MARK S. DATE 10/09/2020 REVISION 1

**FRONT & REAR GRAPHICS**

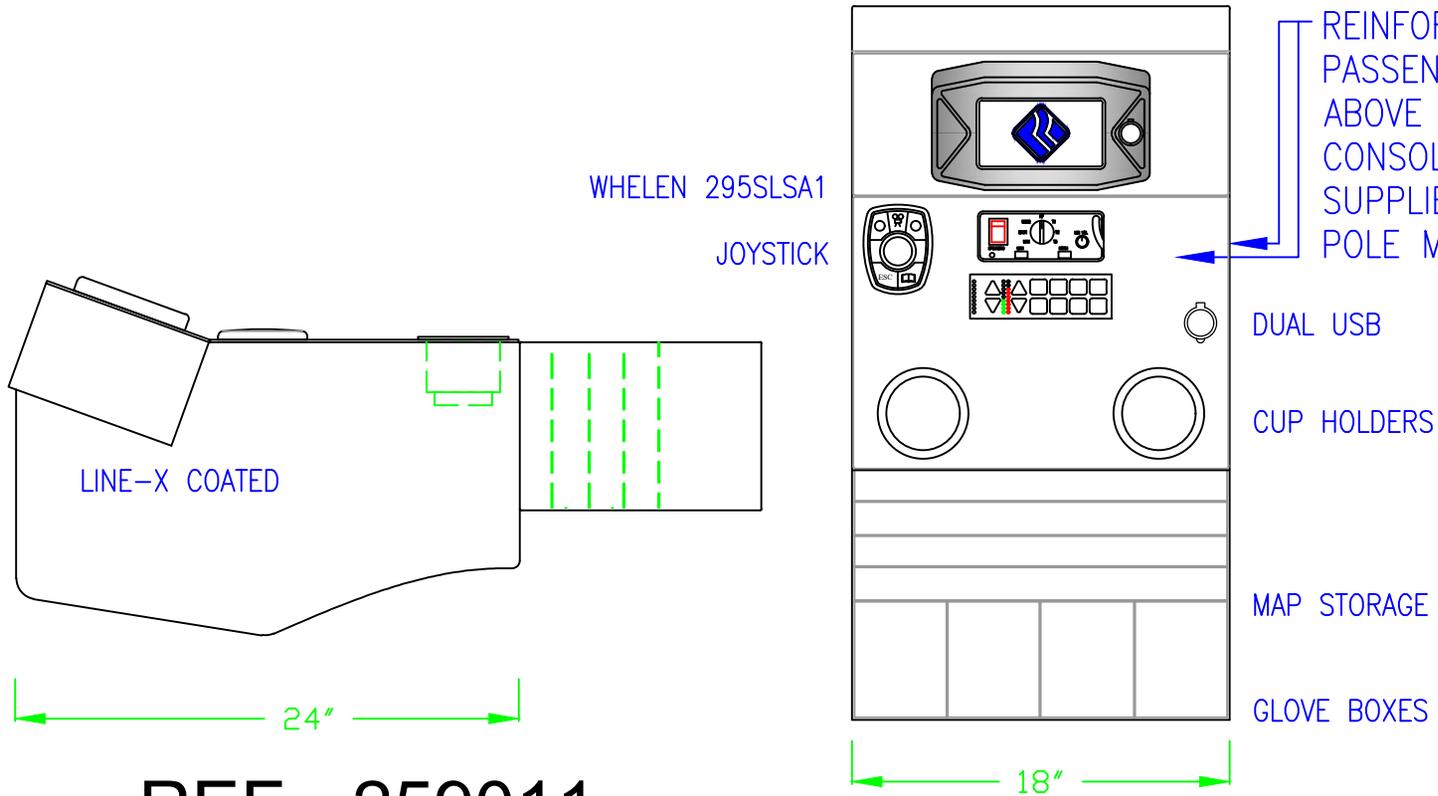
REVISION 2 REVISION 3 REVISION 5

SHEET 12 OF 13

BID NUMBER  
**18585**

# NORTHPORT FIRE RESCUE NAVISTAR 4300 ULTRAMEDIC

DEALER SIGNATURE



REF. 259011

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**Road Rescue, Inc.**  
 2914 SPARTAN PLACE  
 P.O. BOX 1178  
 MARION, SC 29571  
 www.roadrescue.com PHONE 843-676-2900 FAX 843-676-2997

## CONSOLE CONFIGURATION

BID NUMBER  
18585

DRAWN BY	DATE	REVISION 1	REVISION 2	REVISION 3	SCALE NONE	SHEET 13 OF 13
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# REV, RTC

One (1) == Road Rescue Boilerplate - 1.020 12/09/20 ==

Y\_\_N\_\_

One (1) Information - Scope, Purpose and Classification  
00-01-0999

Y\_\_N\_\_

## ***0.1 SCOPE,PURPOSE AND CLASSIFICATION***

### SCOPE

This specification covers a new commercially produced surface emergency medical care vehicle(s), herein referred to as an “ambulance” or “vehicle”. This vehicle shall be in accordance with the Ambulance Design Criteria of the National Highway Traffic Safety Administration, United States Department of Transportation, Washington DC. This specification is based on current KKK - A1822 - F revision or CAAS-GVS. It is the intent of this agency to purchase vehicle(s) that are professionally engineered and designed. It is paramount to this agency that vehicle(s) presented be built by a reputable manufacturer with considerable experience in the ambulance manufacturing field. To this end, this agency requires that each manufacturer provide the following:

- A statement of fact, signed by an officer of the manufacturing company, disclosing that the manufacturer has delivered five hundred (500) ambulances within the last twelve (12) months of the date of this bid.
- The size and location of manufacturing facilities and number of production staff.
- Interior pictures to verify plant facilities.
- A list of on-site engineering staff with educational accreditation.
- ISO 9001:2015 Certification.

Failure to provide this agency with the documentation required will be deemed non-responsive.

### PURPOSE

The purpose of this document is to provide the manufacturer with a set of specifications and test parameters that will meet the criteria to manufacture a vehicle as set forth by this agency. This agency seeks a vehicle that will deliver “fair value”. Fair value is defined by this agency as the manufacturer's ability to provide a safe, functional, and practical ambulance conversion that will work in junction with the chassis specified at a reasonable cost. The specifications within this document are a basis to deliver such a vehicle to this agency. This agency at its discretion shall assess the intangible assets of the manufacturer such as, but not limited to, after quality, delivery support, customer service, parts availability and warranty turn around time.

### CLASSIFICATION

This specification calls for the following type of vehicle in accordance with the current KKK-A1822-E revision.

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### GENERAL

## REV, RTC

This is an engineer, design, construct and deliver type specification meeting the needs of this agency. Attention has been given to the engineering and design aspect of this specification that will attain our goal of fair value. It is the manufacturer's responsibility to deliver a product meeting the criteria as set forth. This agency reserves the right to increase the equipment quantities that are specified. In addition, other agencies will be permitted to purchase equipment under this contract as a result of this specification, unless prohibited under law.

### 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 or CAAS-GVS.

### 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.

### DEFINITIONS:

The following definitions shall apply with regards to these specifications.

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

**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.

**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.

# REV, RTC

**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.

## ***0.2 SPECIAL CONDITIONS***

### **BIDDERS RESPONSIBILITY AND QUALIFICATION**

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.

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.

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 licenser to conduct business within this jurisdiction. Failure to provide proper documentation with the bid response may result in any bid being deemed non-responsive.

The primary manufacturer shall be ISO 9001:2015 certified. No Exceptions.

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

**PAYMENT, DELIVERY AND ACCEPTANCE** -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

## REV, RTC

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.

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

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.

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

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

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.

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-E 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.

## REV, RTC

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.

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

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.

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.

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.

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

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 twentyfive (25) year modular construction warranty and twenty four (24) months and thirty six thousand (36,000) 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.

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: \_\_\_\_\_.

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.

## REV, RTC

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.

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.

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.

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.

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.

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.

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.

# REV, RTC

ANTI-COLLUSION STATEMENT - By signing this bid, the primary manufacturer agrees that this bid is made without any understanding, agreement or connection with any other person, firm or corporation making a bid for the same purpose and this bid is in all respects fair and without collusion or fraud.

One (1) Warranty - Documentation Y\_\_N\_\_  
00-02-8100

The bidder's proposal packet shall include copies of all warranties listed in these following detailed specifications. The minimum acceptable required warranties are: Conversion Warranty, Electrical Warranty, Modular Structural Warranty and Paint Warranty. The bidder shall include a copy of these warranties within the proposal package. If the bidder does not include a copy of the warranties, the bid will automatically be rejected.

One (1) Warranty - Module Structural Y\_\_N\_\_  
00-02-8200

The manufacturer shall provide a "Lifetime" Limited Modular Structural warranty. "Lifetime", a lifetime is defined as 25 years from the date of original retail owner's purchase/in-service date from the manufacturer or the period of time the ambulance is in continuous front line service with the original purchaser. Terms and condition of the Limited Modular warranty shall be per the manufacturer's published warranty documentation.

One (1) Warranty - Electrical, Standard System Y\_\_N\_\_  
00-02-8300

The manufacturer shall provide a Limited "Electrical" warranty. The Limited "Electrical" Warranty shall be 7 years from the date of original retail owner's purchase/in-service date from the manufacturer, and shall be warranted by the manufacturer to the original owner. Terms and condition of the Limited Electrical warranty shall be per the manufacturer's published warranty documentation.

One (1) Warranty - Paint Y\_\_N\_\_  
00-02-8400

The manufacturer shall provide a Pro-rated paint warranty for "Five Years" / unlimited mileage from the date of delivery of the completed new ambulance to the original retail owner, unlimited mileage, or the time of module remount, whichever occurs first. The paint application on the ambulance module shall be warranted by the manufacturer to the original owner for a period of 5 years with unlimited mileage.

One (1) Warranty - Conversion Y\_\_N\_\_  
00-02-8500

The manufacturer shall provide a Limited "Conversion" warranty. The "Conversion" Warranty shall be for a period of 2 years or 36,000 miles and must be supplied in writing from manufacturer. Terms and condition of the Limited Conversion warranty shall be per the manufacturer's published warranty documentation.

One (1) == DuraStar 4300, 175" WB - 168" Bodies - 1.020 12/09/20== Y\_\_N\_\_

# REV, RTC

One (1) 01- CHASSIS REQUIREMENTS  
01-00-0000

Y\_\_N\_\_

## **1. CHASSIS REQUIREMENTS**

One (1) 2021 Int'l 4300, 175" W/B, 20,000 GVW 260HP (OEM Air Ride) (Special Request)

Y\_\_N\_\_

01-01-6105

### **1.1 CHASSIS MAKE AND MODEL**

The chassis shall meet the requirements of this specification. It shall be a 2018 International

- MH02500 Base Chassis, Model 4300 SBA LP 4X2 with 175.00 Wheelbase, 108 CA, and 63.00 Axle to Frame.
- 1570 TOW HOOK, FRONT (2) Frame Mounted
- 1CAA FRAME RAILS High Strength Low Alloy Steel (80,000 PSI Yield); 9.125" x 3.062" x 0.312" (231.8mm x 77.8mm x 8.0mm) With Transition to 6.500" x 3.062" x 0.312" (165.1mm x 77.8mm x 8.0mm) 388.4" (9864mm) Maximum OAL; For LP Chassis
- Notes  
: 6.50" Web Height in AF Section
- 1LNN BUMPER, FRONT Full Width, Aerodynamic, Chrome Plated Steel; 0.142" Material Thickness
- 1WEH WHEELBASE RANGE 134" (340cm) Through and Including 197" (500cm)
- 2ATK AXLE, FRONT NON-DRIVING {Meritor MFS-08-153B} I-Beam Type, 8,000-lb Capacity
- Notes  
: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
- 3ADA SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 8,000-lb Capacity; With Shock Absorbers
- Includes  
: SPRING PINS Rubber Bushings, Maintenance-Free
- 4085 BRAKE SYSTEM, HYDRAULIC {Meritor Wabco} Split System, Full Power, With Automatic Adjustment And With Four Channel ABS
- 4722 DRAIN VALVE {Bendix DV-2} Automatic; With Heater; for Air Tank
- Includes  
: DRAIN VALVE Mounted in Wet Tank
- 4GAS BRAKE, PARKING {Bosch} DSSA Drum Type; 12" x 3", Spring Actuated; For Hydraulic Brake Chassis With Air Source; Activated by Parking Brake Knob on Instrument Panel; Differential Mounted

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### Includes

- : PARKING BRAKE CONTROL Applies Hydraulic Actuated Powered Park Brake
- 4JNP BRAKES, FRONT, HYDRAULIC DISC Quadraulic; four 70mm Diameter Pistons
- 4NNL BRAKES, REAR, HYDRAULIC DISC Quadraulic; four 70mm Diameter Pistons
- 4SBL AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity; and Tank for Air Source on Hydraulic Chassis
- 5708 STEERING COLUMN Tilting
- 5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black
- 5PRU STEERING GEAR {TRW (Ross) THP45} Power
- 6DBZ DRIVESHAFT {Dana Spicer} SPL100 in lieu of SPL90 Series
- 7BDA EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Right Side Back of Cab, Includes Horizontal Tail Pipe

### Includes

- : NOTE: The Horizontal Tailpipe Includes a Temperature Control Device
- 7WZY SWITCH, FOR EXHAUST 2 Position, Lighted & Latching, ON/OFF Type, Mounted in IP, Inhibits Diesel Particulate Filter Regeneration as Long as Switch is in ON Position
- 8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment

### Includes

- : BATTERY BOX Steel
- : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
- : FUSES, ELECTRICAL SAE Blade-Type
- : HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover
- : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
- : HORN, ELECTRIC Single
- : JUMP START STUD Located on Positive Terminal of Outermost Battery
- : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
- : STARTER SWITCH Electric, Key Operated
- : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
- : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors,  
with Lane Change Feature
- : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted
- : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set

## REV, RTC

- Delays), Integral with Turn Signal Lever  
: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted  
: WIRING, CHASSIS Color Coded and Continuously Numbered
- 8518 CIGAR LIGHTER Includes Ash Cup
- 8540 HORN, ELECTRIC (2)
- 8GWY ALTERNATOR {Leece-Neville 14931PAH} Brush Type, 12 Volt 320 Amp. Capacity, Pad Mounted
- 8HAA BODY BUILDER WIRING To Rear of Frame, With Stop, Tail, Turn, and Marker Lights Circuits, Ignition Controlled Auxiliary Feed and Ground, Less Trailer Socket
- 8MKL BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
- 8RKB RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input
- Includes  
: SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior : SPEAKERS IN CAB (4) Coaxial with Premium Interior
- 8WCL HORN, AIR Black, Single Trumpet, Air Solenoid Operated
- 8WGL WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time
- 8WPZ TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights
- 8WRB HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on
- 8WTK STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
- 8WWJ INDICATOR, LOW COOLANT LEVEL With Audible Alarm
- 8WZK HEADLIGHTS Halogen; Composite Aero Design for Two Light System
- 8XAH CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
- 9HAD GRILLE Chrome
- 9HAN INSULATION, UNDER HOOD for Sound Abatement
- 9HBN INSULATION, SPLASH PANELS for Sound Abatement
- 10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100
- Includes

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: PAINT SCHEMATIC ID LETTERS "GA"

10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

11001 CLUTCH Omit Item (Clutch & Control)

12959 BLOCK HEATER, ENGINE {Phillips} 120 Volt/1250 Watt

Includes

: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door

12NUN ENGINE, DIESEL {MaxxFace DT} EPA 10, 245 HP @ 2200 RPM, 660 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed

Includes

: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only)

: ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40 Degrees F/ -40 Degrees C;

for MaxxFace Engines

: COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM

Control

: CRUISE CONTROL Electronic; Controls Integral to Steering Wheel

: ENGINE OIL DRAIN PLUG Magnetic

: ENGINE SHUTDOWN Electric, Key Operated

: FUEL FILTER Included with Fuel/Water Separator

: FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel Filter in a Single Assembly;

With Water-in-Fuel Sensor; Engine Mounted

: GOVERNOR Electronic

: OIL FILTER, ENGINE Spin-On Type

: WET TYPE CYLINDER SLEEVES

Notes

: Recommend Code 12THT when using front mount obstructions (winches, cones, reels, etc.) that restrict air flow through the radiator.

12THT FAN DRIVE {Horton Drivemaster} Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

Includes

: FAN Nylon

12UBK RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 1045 SqIn Louvered, With 302 SqIn CAC, With 369 SqIn LTR, Includes In-Tank Transmission Oil Cooler

Includes

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: DEAERATION SYSTEM with Surge Tank  
: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic  
Coolant Hose Clamps  
: RADIATOR HOSES Premium, Rubber

12UXG FEDERAL EMISSIONS for 2010; MaxxForce DT Engines  
12VBR AIR CLEANER With Service Protection Element

### Includes

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

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

12VZA ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body  
Builder Installation of PTO Controls; With Ignition Switch Control for MaxxForce  
post 2007 Emissions Electronic Engines

12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine  
Mounted

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

13AJV TRANSMISSION, AUTOMATIC {Allison 3000EVS\_P} 4th Generation Controls;  
Close Ratio, 5-Speed; With Overdrive, Includes Oil Level Sensor, With Provision for  
PTO, Less Retarder.

### Includes

: OIL FILTER, TRANSMISSION Mounted on Transmission : TRANSMISSION OIL  
PAN

Magnet in Oil Pan

13WBL TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 &  
4000 Series Transmission

13WLP TRANSMISSION OIL Synthetic; 29 thru 42 Pints

13WUD ALLISON SPARE INPUT/OUTPUT for Emergency Vehicle Series (EVS); Rescue,  
Ambulance

13WYL SHIFT CONTROL PARAMETERS Allison Performance Programming in Primary and  
Allison Economy Programming in Secondary

14899 SUSPENSION AIR CONTROL VALVE Pressure Release Control In Cab

## REV, RTC

14APJ AXLE, REAR, SINGLE {Meritor MS-17-14X-3DFL} Single Reduction, 15,500-lb Capacity, With 190 Wheel Ends . Gear Ratio: 4.11

Includes

: REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle

14TBL SUSPENSION, REAR, AIR, SINGLE {International} Ride Optimized Suspension (IROS); 12,000-lb Capacity, 5.3" Ride Height, With Shock Absorbers

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

15SGK FUEL TANK Top Draw; D Style, Non Polished Aluminum, 50 U.S. Gal., 189 L Capacity, 16" Deep, With Quick Connect Outlet, Mounted Right Side, Under Cab

16030 CAB Conventional

Includes

: ARM REST (2) Molded Plastic; One Each Door

: CLEARANCE/MARKER LIGHTS (5) Flush Mounted

: COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window

: CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel

: DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed

Theater Dimming, Integral to Console, Center Mounted

: GLASS, ALL WINDOWS Tinted

: GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side

: GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side

: INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color

: STEP (4) Two Steps Per Door

16990 AIR CONDITIONER, PROVISION FOR Accommodation Package, for Air Conditioning, Includes (1) SD7 Sanden Auxiliary Compressor in Secondary Compressor Position and Compressor Drive Effects for Vehicle with Primary Compressor Mounting.

16HBA GAUGE CLUSTER English With English Electronic Speedometer

Includes

: GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter

: ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout

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: WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)

16HGH GAUGE, OIL TEMP, ALLISON TRAN

16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

16JNT SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

Includes

: SEAT BELT 3-Point, Lap and Shoulder Belt Type

16RPV SEAT, PASSENGER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Adjust

Includes

: SEAT BELT 3-Point, Lap and Shoulder Belt Type

16SDC GRAB HANDLE (2) Chrome Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry, Mounted Left and Right, Each Side at "B" Pillar

16SDU MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatically Controlled, Power Both Sides, Clearance Lights LED, Bright Finish Heads & Brackets

16WBY ARM REST, RIGHT, DRIVER SEAT

16WBZ ARM REST, LEFT, PASSENGER SEAT

16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster

Includes

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps :

REFRIGERANT Hydrofluorocarbon HFC-134A

16WJS INSTRUMENT PANEL Center Section, Flat Panel

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

16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

16WRX CAB INTERIOR TRIM Deluxe

16WSE LOW WASHER FLUID INDICATOR

Includes

: "A" PILLAR COVER Molded Plastic

## REV, RTC

: CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering  
: CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket  
: DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors  
: FLOOR COVERING Rubber, Black  
: HEADLINER Soft Padded Cloth  
: INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section  
: STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door  
: SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console

27DNA WHEELS, FRONT DISC; 19.5" Painted Steel, 4 Hand Hole, 8-Stud (275 MM BC) Hub Piloted, Flanged Nut, Metric Mount, 6.75 DC Rims; With Steel Hubs

Includes

: PAINT IDENTITY, FRONT WHEELS White

28DNA WHEELS, REAR DUAL DISC; 19.5" Painted Steel, 4 Hand Hole, 8-Stud (275 MM BC) Hub Piloted, Flanged Nut, Metric Mount, 6.75 DC Rims; With Steel Hubs

60AAA BDY INTG, REMOTE POWER MODULE Mounted Under Cab or On Battery Box; Up to 6 Outputs & 6 Inputs, Max. 20 amp. per Channel, Max. 80 amp. Total (Includes 1 Switch Pack With Latched Switches)

60ACW BDY INTG, I/O EXPANSION HARNES {for Diamond Logic Builder} In-Cab wire harness (DLB) program only, Includes a harness with five blunt cut wires routed on lower left of instrument panel. Two ground active inputs and two (.5Amp) relay drivers outputs are provided

7749450101 (2) TIRE, FRONT 245/70R19.5 G647 RSS (GOODYEAR) 626 rev/mile, load range G, 14 ply

7749458102 (4) TIRE, REAR 245/70R19.5 G622 RSD (GOODYEAR) 622 rev/mile, load range G, 14 ply

FITTINGS FOR SECOND A/C COMPRESSOR

RELOCATE AXLE STOPS

DUAL AIR RIDE VALVES

EXTEND R/S EXHAUST TO EXIT LEFT SIDE IN FRONT OF TIRE

### **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.

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## REAR AIR SUSPENSION

This unit shall have a International rear air ride suspension installed by the manufacturer. It shall include dual leveling valves, manual dump valve with autofill air tank kit, air dryer and spitter valve. The dump and fill function shall be operated by opening or closing the right rear door entrance door. It shall have both an enable switch and a dump indicator light in the cab console.

## DRIVERS 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 "captains chair" with arm rests. The safety restraint system for the driver and passenger shall be installed by the chassis manufacturer. Modifications or substitutions of the chassis manufacturers cab seats or restraint system will not be acceptable.

One (1) Remove the passenger oem air horn foot switch Y\_\_N\_\_  
01-03-01SR

One (1) Dump - Switch, (1), Momentary Y\_\_N\_\_  
01-07-9000

### SWITCHING

A Momentary Dump switch shall be installed.

One (1) Dump - Circuit, Dump W/ enable switch in cab. Y\_\_N\_\_  
01-07-9020

### MOMENTARY SWITCH:

The Suspension shall automatically lower the rear of the vehicle when the left rear entry door is opened and raise when the streetside rear entry door is closed. The suspension kneeling Circuit, wired to the 5 min. Timer. Timer to allow the kneeling circuit to remain active for 5 mins after the ignition has been turned off for patient unloading.

### Safety Triggers:

- (1) Kneeling switch to be 'on' position
- (2) Vehicle Must be in Park
- (3) Emergency Brake must be set
- (4) Module is to be in the 'On' position
- (5) Open Street side rear entry door

One (1) Block Heater - With OEM Plug (STANDARD) Y\_\_N\_\_  
01-17-4900

### 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) Ensure the rear axle "U" bolts are not hitting chassis frame rails Y\_\_N\_\_  
01-19-10SR

# REV, RTC

One (1) CAB INTERIOR OPTIONS Y\_\_N\_\_  
01-21-0000

## 1.21 CAB INTERIOR FEATURES

The following optional interior features shall be supplied with this ambulance chassis cab:

One (1) Cab Insulation - Thinsulate in Cab Ceiling (STANDARD) Y\_\_N\_\_  
01-21-3500

– INSULATION, CAB CEILING - The manufacturer shall install a single layer of 3M Thinsulate insulation between the OEM head liner and the cab roof to reduce noise.

One (1) Spare Tire Bracket - Delete Y\_\_N\_\_  
01-23-4100

The spare tire shall not be a mounted in the exterior compartment for storage. If the chassis is ordered with a spare tire it is to be shipped loose.

One (1) Wheel Trim- Aluminum Wheels for International Y\_\_N\_\_  
01-23-769S

One (1) == Type MD - UM 168" Module, International - 1.020 12/09/20 == Y\_\_N\_\_

One (1) \*\*\*\*\* OUTSIDE GRAPHICS- 24/7 \*\*\*\*\* Y\_\_N\_\_  
00-00-0247

One (1) This unit built in accordance with KKK-A1822-F CN 10 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.

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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)  
02-01-8005

Ultramedic MD - 174" x 96"W 20-1

Y\_\_N\_\_

## 2.1 MODULE TYPE

Medium Duty module shall be a 168"L x 96"W walk-through conversion for a International or Freightliner Cab Chassis..

Overall Vehicle Dimensions:

- Length = 287"
- Width = 100"
- Height = 102"

Exterior Module Dimensions (inches):

- Length = 168"
- Width = 96"
- Height = 84"

One (1) Increase Module length to 174"  
02-01-80SR

Y\_\_N\_\_

One (1) Materials, Medium-Duty  
02-02-1010

Y\_\_N\_\_

## 2.2 MATERIALS

The entire modular structure and all integral body parts and pieces shall be manufactured from aluminum. The perimeter frame of the roof shall consist of a 3 inches high x 1-1/2 inch radius extrusion securely fastened and welded to the wall and ceiling structural framing. The extrusion shall be fully enclosed with vertical center supports. The design of this extrusion shall be such that it incorporates a flange similar to the box pan formed construction technique to ensure that the construction and fastening technique remains consistent throughout the module build process.

In addition to the welding, an extreme strength 3M VHB bonding system shall be utilized throughout, providing for a rivet less exterior, free of warping which can occur when exterior sheeting is welded to the structural tubes. Prior to application of the bonding tape all aluminum surfaces must be cleaned with an acid based cleaner.

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Each of the side, front and rear walls shall be assembled and compression applied per the requirements of the adhesive manufacturer to provide proper adhesion and to produce a smooth, flat exterior surface eliminating side wall waves on the finished product.

Fabricated gusset supports shall be added for extreme structural integrity. Gussets to be welded into place where the sub-floor structure meets the vertical wall tube structure.

Roof Assembly	Roof Rail	.125 6061-T6 Aluminum
	Channel	.025 6061-T6 Aluminum
	Sheet	.090 5052-H32 Aluminum
	Tubing	.125 6061-T6 Aluminum
		.250 6063-T6 Aluminum
	Corner Cap	.125 5052-H32 Aluminum
	Plate	.250 3003-H14 Aluminum
Floor Assembly	Composite Sub Floor	.125 Intecel PVC
		1.84" High Density Foam
	Channel	.25 6061-T6 Aluminum
	Tubing	.25 6063-T6 Aluminum
		.125 6061-T6 Aluminum
	Sheet	.090 5052-H32 Aluminum
	Plate	.250 3003-H14 Aluminum
	Bar	.50 6061-T6 Aluminum
Front Assembly	Sheet	.125 5052-H32 Aluminum
	Tubing	.125 6061-T6 Aluminum
	Plate	.250 3003-H14 Aluminum
Rear Assembly	Sheet	.125 5052-H32 Aluminum
	Tubing	.125 6061-T6 Aluminum
	Plate	.250 3003-H14 Aluminum
Side Assembly	Sheet	.125 5052-H32 Aluminum
	Tubing	.125 6061-T6 Aluminum
	Angle	.25 6061-T6 Aluminum
	Bar	.50 6061-T6 Aluminum
		.250 3003-H14 Aluminum
Seamless Door Assembly	Sheet	.125 6061-T6 Aluminum
	Door Frame	6061-T6 Aluminum
	Jamb	6061-T6 Aluminum

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### **SUB-FLOOR SYSTEM**

The module floor shall be a sandwiched composite subfloor whose materials equal 2.125" total thickness. The sandwich construction method shall include from top to bottom:

TRANSVERSE STRUCTURE - The sub floor shall consist of a minimum of (5) five 2" x 2" x .250" 6061-T6 and (2) two 2" x 3" x .250" 6061-T6 structural 'C' channel transversely stacked and completely welded to the longitudinal runners with a minimum 4 inches of weld at every intersection. This shall create a 4 inch high floor substructure that provides enhanced structural strength from the transverse layering of the structural channels. The manufacturer shall utilize extruded, structural channel. Architectural channel or material that is not structurally rated channel shall not be acceptable.

LONGITUDINAL STRUCTURE - The modular floor super structure shall include (2) full length 2" x 2" x .250" 6061-T6 longitudinal runners spaced the distance of the OEM chassis wheel wells. These longitudinal runners shall be welded to the 2" x 2" x .250" transverse structural members. The longitudinal runners shall provide the connecting structure for mounting the module to the OEM chassis frame. Due to the long term dynamic stresses inherent to any modular mounting system, under no circumstances shall the longitudinal runners be modified to accommodate the module mounting system bolts.

The welded 'C' channel floor substructure shall be pre-stressed with a minimum 1000 pound weight in order to give the floor structure more dynamic resistance to long term high cycle stresses.

GUSSET SUPPORTS - Are fabricated of .250" aluminum with welding flanges on (2) sides. A minimum of (8) supports are welded to the Structural Wall Framing, Sub Floor and the Sub Structure further enhancing the structural integrity of the entire Floor Structure.

FLOOR PAN - Inlaid between the longitudinal runners the manufacturer shall install a 2 inch thick composite core panel. This panel shall be a formed aluminum structure utilizing .090 aluminum on the top and .063 aluminum on the bottom. Running full length from the front to the back shall be two (2), .125" x 1.75" 5053-H32 single piece, formed aluminum "C" channel support members for additional strength at the cot and attendant seat mounting locations. This support member shall be an integral part of the composite floor design.

FLOOR MATERIAL - The assembled aluminum floor core panels shall be placed in a press and shall have 2.5# per cubic foot high density expanding foam injected between the layers which shall adhere to the aluminum structure creating enhanced structural strength to the subfloor system. The total 'R' value of the composite panel shall be R12 and the panel shall have a 20 decibel noise barrier. This panel shall run the full length of the module with no seams in the surfacing material.

INSTALLATION - The composite floor panel shall be installed flush with the top of the longitudinal channel structure. The composite insert shall be secured in place with a two part self-etching, high-strength epoxy. All other open areas of the exposed sub floor not being filled by compartments or wheel wells shall have the same composite floor panel material installed to fill the openings. All seams and the entire perimeter of the sub floor

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shall be completely sealed with Sikaflex sealant adhesive or a spray-in-place foam material to create a watertight, dust free environment.

The manufacturer shall install a full length 1/8" closed cell, expanded core PVC panel on top of the composite floor insert. The PVC shall create a smooth environment for installation of the interior floor material.

### **INTERIOR CONSTRUCTION**

The interior cabinet construction shall be aluminum and PVC and will include the following materials:

Wall Thickness = .090"  
Alloy = 5052-H32

Interior Module Wall Panels  
Wall Thickness = .063"  
Alloy = 5052-H32

Interior Cabinet Shelves  
Shelf Thickness = .063"  
Alloy = 5005-H34

Wall Panels  
Wall thickness= .188  
Material= PVC

All upper band cabinet door frames shall consist of rigid, heavy duty, extruded aluminum glass frame. The rigid design of the frame extrusions and corner assemblies on the restocking doors will reduce twisting of the frame structure. The door frames will be held closed with slam latches and the felt track design does not require adjustment.

In order to decrease the risk of accumulation or exposure to fluid borne pathogens, any areas around the interior that have the potential for fluid accumulation shall be seam sealed with silicone or equivalent type material that will prevent the possible accumulation of fluid borne pathogens.

All cabinet and wall panel aluminum trim included shall be Gray anodized. All protective corner trim shall be Opaque and will include a matching domed end cap.

The frames of the street side upper band cabinets shall be hinged with full length, piano hinge. The frame shall be hinged on top and be equipped with pneumatic hold opens on each side, with one (1) interior positive catch bottom center. This shall enable the entire face frame with sliding Plexiglas doors to be opened for easier cleaning and restocking of the cabinets. The gas shocks shall be of sufficient strength to automatically lift the cabinet door frame without any aid and hold in the open position.

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The flat wall panels on the curbside above the squad bench and above the CPR side seat shall be constructed of a PVC material to help insulate the patient compartment.

One (1) 03 - MODULE EXTERIOR Y\_\_N\_\_  
03-00-0000

### 3. **MODULE EXTERIOR**

One (1) Module Undercoating (STANDARD) Y\_\_N\_\_  
03-02-0200

#### 3.2 **UNDERCOATING**

The entire underbody (excluding drive shaft, wheels, fuel tank and 12 inches either side of exhaust system) shall be sprayed with Transcoat 161 undercoating for rust prevention, corrosion protection and added sound deadening. The material used shall be a low VOC product that meets MIL Spec MIL-C-62218A and will remain flexible but tack-free.

One (1) EXTERIOR MODULE CONSTRUCTION Y\_\_N\_\_  
03-03-0000 10

One (1) Exterior Module Construction Specifications Y\_\_N\_\_  
03-03-0001

#### 3.3 **EXTERIOR MODULE CONSTRUCTION**

The structural framing of the roof and side walls shall consist of 2" x 2" x .125", 6061-T6511 aluminum structural tubing, firmly affixed to the body side skin with extreme acrylic bonding tape. Each frame member shall be independently welded at each intersection point with a minimum 4" of weld. The lateral spacing of framing members shall be a maximum average of 13" on center for superior strength throughout.

The entire exterior module shall be constructed of .125" x 5052-H32, corrosion resistant sheet aluminum. The module side wall, front and rear wall panels shall each be CNC cut and machine formed to provide a seamless sidewall. They shall be independently box pan formed components assembled to form an interlocking, integral structure that is interval stitched welded and Plug welded along the formed web and at alternating intervals along the full length of each internal flange and along each external seam independent of the side wall structural framing. The construction process shall produce a clean, unbroken surface that provides seamless sidewalls with transition seams at the front and rear of the streetside and curbside walls providing an environment that is designed to eliminate unnecessary exposure, prevent oxidation and corrosion and promote the long term integrity of the ambulance body and finish.

Each sidewall shall be manufactured in an environment designed to prevent the waviness that can occur during the assembly process. The formed module side, front and rear wall panels shall be securely welded to the 2" structural framing at the top and bottom where each individual framing member comes in contact with the box pan formed flange.

In addition to the welding, a high strength extreme acrylic bonding system shall be utilized throughout, providing for a rivet less exterior, free of warping which can occur when exterior sheeting is welded to the

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structural tubes. The bonding tape shall be a closed cell foam with visco elastic properties that help absorb dynamic body stresses.

Prior to application of the bonding tape all aluminum surfaces must be cleaned with an alcohol cleaner. Each of the side, front and rear walls shall be assembled and compression applied per the requirements of the adhesive manufacturer to provide proper adhesion and to produce a smooth, flat exterior surface eliminating side wall waves on the finished product.

The manufacturer must complete the installation process by applying the adhesive manufacturer's required compression PSI to insure proper adhesion. The manufacturer shall supply documentation detailing the mechanical properties and bond strength.

The roof framing structure shall be 2" x 2" x .125" 6061-T6 structural tubing spaced at a minimum of 12" on center and welded at each intersection and to the roof radius extrusion flange at every contact point. The ceiling shall be configured and constructed so that there is aluminum frame and support material to accommodate all of the ceiling mounted fixtures. The roof structure shall include two separate plenums that are integrated into the structural design and run two thirds the length of the roof. One plenum is used to provide even distribution of conditioned air throughout the patient compartment. In order to support the efficient and effective performance of the system and to prevent the build-up of condensation inside, the interior of the plenum will be completely insulated with a reflective barrier insulation material.

The additional plenum provides a permanent, stable mounting environment for lighting, oxygen outlets, IV hangers, antenna access. The overall roof structure shall incorporate a 3/4" crown to reduce vibration and prevent water pooling on the module roof.

The perimeter frame of the roof shall consist of a 3" x 3" x .125 inch radius extrusion that has vertical triple wall webbing for superior strength. This extrusion shall be securely fastened and stitch welded and plug welded to the wall and ceiling structural framing. The design of this extrusion shall be such that it incorporates a flange similar to the box pan formed construction technique to ensure that the construction and fastening technique remains consistent throughout the module build process.

Inlaid into each of the upper four (4) corners of the module shall be aluminum corner caps. The corner caps shall be stamped out of the identical alloy material as the module side walls. Corner caps made of cast aluminum shall not be acceptable due to the inferior quality of the metal used for casting. The corner caps shall be continuously welded and ground smooth to provide a smooth, seamless transition at each corner whose appearance is as one continuous surface. The corners must be completely filled with weld material, bondo or other types of cold fillers are unacceptable.

The module roof shall include a single sheet of .125" x 5052-H32 aluminum. This roof sheet shall be attached to the welded roof structure with Acrylic VHB tape and incorporate a continuous, full perimeter weld to the roof radius extrusion to provide a permanent weather proof seal and to enhance the structural design of the modular

# REV, RTC

structure. The weld around the perimeter of the roof skin shall be ground to provide a uniform transition around the perimeter of the roof material.

To minimize the effects of the long term stress cycles exerted on the modular structure, the manufacturer shall provide additional welding in areas of high stress concentration in the module. As a minimum, these areas shall be plug welded along the four vertical corners where the corner panel meets the modular body panel. There shall be additional welding on inside corners of the rear entrance door opening, body panel seams and areas around the perimeter of the door jambs where the jamb extrusions and wall structure intersect.

To enhance the structural integrity of the modular structure, the manufacturer shall provide additional interior wall plates and structural tubes across rear header and side walls to reduce long term stress in these areas.

To eliminate the potential for seam seal cracks or the appearance of any sidewall body cracks, the manufacturer shall provide single piece front, rear, and side body panels.

One (1) Drop Curbside Forward Body Skirt - 6", Add Double Step, Medium Duty Chassis Y\_\_N\_\_  
03-03-2030

### **DROP SKIRT - CURBSIDE**

The manufacturer shall drop the lower body skirt along the curbside side at the bottom of the module by approximately 6". This shall lower the height of the side entry step and provide easier access through the side entry door. Increase the depth of stepwell inboard as far as sub structure permits.

Side surfaces to be Diamond Plate. Step surface to be a combination of NFPA Diamond Plate and removable 9" Grip Strut insert. The second step to be fabricated of NFPA Diamond Plate and installed so that the step surface is midway between the stepwell floor surface and the module floor surface making two equal steps into the vehicle.

One (1) Drop Streetside Forward Body Skirt - 6", Medium Duty Chassis Y\_\_N\_\_  
03-03-2130

### **DROP SKIRT - STREETSIDE**

The manufacturer shall drop the lower body skirt along the street side of the module ahead of the rear wheel well at the bottom of the module by approximately 6".

One (1) Minimize the Height of the Wheel Well Y\_\_N\_\_  
03-03-3500

Minimize the height of the street side and curb side wheel wells to accommodate recessed notches in the CPR seat and squad bench areas.

One (1) Module Access - Standard Y\_\_N\_\_  
03-05-0100

### **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.

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One (1) Entry Doors - Hidden Hinge, Seal on Door ,W/Fail Safe Latching, Eberhard  
03-06-0101

Y\_\_N\_\_

## 3.6 **MODULE ENTRANCE DOORS**

Module entrance door jambs to be extruded aluminum with no flange overlapping the exterior wall panels. The entry doors to be single box pan formed door skin with reinforced extruded aluminum door frame.

The three entrance doors will have the Fail Safe Latching Mechanisms. In the event of an accident where the door linkage and/or the rotary door handle(s) has been damaged to the point where the latching mechanisms do not respond to the entrance door handles, this will allow you to override the latching mechanisms to exit the vehicle.

The hinge shall have a Mylar barrier between the hinge and door jamb. The area between the stainless steel hinge and the painted door and jamb surfaces shall also be treated with anti-corrosion, electrolysis prevention material. The product must be commonly available to any and all manufacturers and have proven itself in the emergency and fire industries. The material must be applied per the manufacturer's application guidelines.

The module entrance doors shall be mounted in such a manner that when the doors are closed the stainless steel hinge is completely hidden behind the door skin. The design of these doors imitates smooth, flush fitting doors commonly found in the automotive industry.

Polystyrene foam planking insulation between the outer skin and the interior door panel.

Weather stripping to be secured to the door so that the latching system is protected from the elements.

The curbside and rear entrance door headers shall have removable, vinyl covered and color coordinated foam cushions to provide protection for emergency personnel when entering or exiting the vehicle.

One (1) Door Restraints - Rear, Polished Cast Aluminum, Pin & Slot Style  
03-06-0700

Y\_\_N\_\_

The rear doors shall have polished cast aluminum hold-open devices with high-density rubber replaceable inserts mounted on each side. These devices shall hold the doors in a fully opened 135 degree position. To eliminate long-term stress due to opening and closing of the rear doors, hold open devices mounted to the module surface shall be bolted through the module skin and into the structural framing of the rear wall. Hold open devices mounted to the doors shall be installed with 1/4" x 20 stainless steel machine screws with a support washer and nylon lock nut on the interior surface. Screw attachment of these hold open devices shall not be acceptable.

One (1) Door Restraints - Side, Heavy Duty Gas Spring Hold Opens  
03-06-0800

Y\_\_N\_\_

The curbside entrance door shall incorporate a Heavy Duty gas filled spring hold open device capable of holding the door open at 90 degrees. Due to the extreme

## REV, RTC

stresses exerted on the door at the hold open attachment point, the attachment bolts must be anchored to the door using 1/4" x 20 stainless steel bolts through nut inserts that are secured into a support gusset welded into the upper corner of the door structure.

One (1)  
03-06-1012

Entry Door Handles - TriMark 2015 Chrome/Black (includes interior handles)

Y\_\_N\_\_

The module entrance doors shall be equipped with two point, flush mounted TriMark paddle handles. The handle shall be designed with a floating cam so when the doors are locked no stress will be placed on the door rod linkage when the paddle handle is operated. The handle housings shall have a die cut rubber gasket separating the paddle handle from the door. The surface finish of the handles and the handle housing shall provide a polished chrome, bright finish. The paddle handles and housings shall be tested for adhesion, chemical resistance, salt spray, abrasion and accelerated weathering. All springs shall be made of pre-galvanized zinc music wire. Pivot plate and lock cam washer are zinc plated and coated with clear chromate.

All compartment and module entry door paddle handles shall be keyed alike. The paddle latches mounted in each locking door shall include a double cut, non-directional tumbler assembly designed to accept a key that does not require a specific orientation for actuation. Single cut tumbler assemblies that require a specific orientation for operation are not acceptable.

The module entrance doors shall be equipped with TriMark rotary latches constructed of high strength, heat treated, steel latch components. Rotor and latch shall be coated with a solid film lubricant, springs made of 302 stainless steel, and components zinc plated with Clear chromate. There shall be removable access plates on the interior of the door to gain access to the rotary latches.

All rotary door latches shall engage Nader pin striker posts made of high strength steel, plated with clear chromate and inserted through a synthetic isolation washer designed to prevent corrosion around Nader pins. The Nader pins shall have a shoulder to prevent the latch mechanism from being pulled over the top of the pin in a dynamic crash situation. The Nader pins shall be fastened with a securing nut designed to function like a blind fastener, allowing the Nader pin to be adjusted and re-tightened without having to access the nut.

All of the internal door hardware, paddle handles and latches, shall be sprayed with a petroleum based lubricant material. "NO EXCEPTIONS"

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The interior side of the module entrance doors shall include a polished chrome TriMark flush mount interior paddle handle with the same specifications as the exterior paddle handles. The interior door assembly shall include a locking lever for the side entrance door and the curbside rear locking door. The street side rear door shall include a matching, non-locking TriMark paddle handle. All of the interior door paddle handles shall be mounted on removable, laminated aluminum panels designed for accessing, servicing and adjusting the paddle handles.

The module entrance door switches shall incorporate magnetic proximity switches that will activate specified module interior lighting when the side or rear entry doors are opened and will activate a flashing indicator light in the driver's control panel when the doors are opened. When open, the rear doors shall activate the rear load and back-up lights. The curbside scene lights shall be activated when the curbside module entrance door is opened. The switch utilized shall be a magnetic proximity switch that requires no maintenance and is easily accessible for replacement. The magnetic switch shall be a heavy-duty, industrial type with a minimum of a 3 amp rating.

The interior side of the module entrance doors shall include a polished chrome TriMark flush mount interior paddle handle with the same specifications as the exterior paddle handles. The interior door assembly shall include a locking lever for the side entrance door and the curbside rear locking door. The street side rear door shall include a matching, non-locking TriMark paddle handle. All of the interior door paddle handles shall be mounted on removable, laminated aluminum panels designed for accessing, servicing and adjusting the paddle handles.

One (1)  
03-06-1500

Door Panel, Inner - Stainless Steel (STANDARD)

Y\_\_N\_\_

INTERIOR DOOR PANEL - The interior finish of the entry doors shall be stainless steel, 2 piece design for ease of serviceability.

One (1)  
03-06-2200

Magnetic Entry Door Switches (STANDARD)

Y\_\_N\_\_

The module entrance door switches shall incorporate magnetic proximity switches that will activate specified module interior lighting when the side or rear entry doors are opened and will activate a flashing indicator light in the driver's control panel when the doors are opened. When open, the rear doors shall activate the rear load and back-up lights. The curbside scene lights shall be activated when the curbside module entrance door is opened. The switch utilized shall be a magnetic proximity switch that requires no maintenance and is easily accessible for replacement. The magnetic switch shall be a heavy-duty, industrial type with a minimum of a 3 amp rating.

One (1)  
03-06-4010

Lock Boxes, White Diamond Grade (STANDARD)

Y\_\_N\_\_

# REV, RTC

**LOCK BOXES** - The lock boxes for the interior door handles are to be covered with White Diamond Grade reflective material.

One (1) Coil Cords for Electrical Circuits (STANDARD) Y\_\_N\_\_  
03-06-4200

The manufacturer shall provide coil cord cables to enable electrical devices to be installed on the side and rear entry doors. The coil cords will be secured at both ends (on the door and at the adjacent wall) with plastic inserts designed to provide an effective, stable mounting point to prevent chafing, and to promote the long term reliability of the function it supports.

One (1) Door Panel Mounting Screws (STANDARD) Y\_\_N\_\_  
03-06-4400

The interior door panels for all entrance doors will utilize the automotive style spring clips mounted to the door frame. The interior door panels will be held in place with 10-24 X 3/4" stainless steel machine screws. Screws will be rubber backed and treated with thread locking material pre-applied by the screw manufacturer to prevent loosening from long term vibration.

One (1) Power Door Locks - Module Entry Doors,W/Hidden Switch Y\_\_N\_\_  
03-06-6065

**POWER LOCKS - ENTRY DOOR**

This vehicle shall be equipped with power door locks. They shall be for patient access doors only, and shall lock and unlock manually with the switch at each patient access door or cab door lock. There shall also be a hidden license frame switch for the unlock function. This option does not include a wireless remote.

Note: Hidden switch can be moved to different location.

One (1) SIDE DOOR STEP Y\_\_N\_\_  
03-08-0000

One (1) (2) Step Well, Side Entry - Increased Depth, Lower Grip, Upper Diamond Plate Y\_\_N\_\_  
03-08-2000

**3.8 SIDE DOOR STEP**

Increase the depth of stepwell inboard as far as sub structure permits. Side surfaces to be Diamond Plate. Step surface to be a combination of NFPA Diamond Plate and removable 9" Grip Strut insert. The Diamond Plate section of the floor to be supported with rigid foam floor insulation in the same manner as the module floor. The lower step with grip strut will include a drain hole with plug.

The second step to be fabricated of NFPA Diamond Plate and installed so that the step surface is midway between the stepwell floor surface and the module floor surface making two equal steps into the vehicle.

One (1) Stepwell Light - LED, Whelen OS Mini, Clear (STANDARD) Y\_\_N\_\_  
03-08-3010

There shall be a Whelen OS Mini LED light, 45 degree, installed in the curbside stepwell to automatically light when the side entrance door is opened.

One (1) Module Window Requirements Y\_\_N\_\_

# REV, RTC

03-09-0030

## 3.9 WINDOWS

All windows shall be from the same window manufacturer, and shall use safety glass with black aluminum extruded frames inside and out. Windows shall meet and incorporate the required stamp and serial number per F.M.V.S.S. regulation #571.205.

One (1) Window - Side Entry Door, 18X18, Slider - Bronze Glass Y\_\_N\_\_  
03-09-1120

The side entrance door shall include an 18"W x 18"L sliding reflective bronze tinted safety glass window with a positive latch and screen. The reflective bronze tint shall be manufactured in the glass, not an applied film.

One (1) Window - Rear Entry Doors, 18X24, Fixed - Bronze Glass Y\_\_N\_\_  
03-09-1220

Each rear entrance door shall include an 18"W x 18"L fixed reflective bronze tinted safety glass window. The reflective bronze tint shall be manufactured in the glass, not an applied film.

One (1) MODULE TO CHASSIS MOUNTING SYSTEM Y\_\_N\_\_  
03-10-0000

One (1) Module to chassis mounting system-Medium Duty (10) Y\_\_N\_\_  
03-10-7000

### MODULE TO CHASSIS MOUNTING SYSTEM

The module shall be mounted to the chassis frame at not less than ten (10) tie down locations. Each mounting location shall consist of a heavy duty steel gusset that is securely bolted to the OEM manufacturers frame with grade eight 1/2 inch zinc plated bolts. On top of these connecting plates shall be a 5/16 inch anti-friction pad to prevent electrolysis and vibration transmission from the frame to the module. The module subfloor 2 inch 'C' channels shall rest only on these anti-friction pads, and be securely fastened to the connecting plates with high strength grade five 5/8 inch zinc plated steel bolts.

One (1) Connecting Bellows, Type I Y\_\_N\_\_  
03-11-6000

### CAB TO MODULE

The cab and module shall be separated by an approximate distance of 3". Between the cab and the module, the manufacturer shall install a flexible 4 inch accordion style rubber bellows that is weather resistant and easily replaced. To enhance the weather proof integrity of the seal, the bellows shall recess approximately 2" and into the module.

One (1) REAR BUMPER AND REAR STEP CONSTRUCTION Y\_\_N\_\_  
03-12-0000

One (1) Rear Bumper - Recessed 9" Pocket, Flip-up Y\_\_N\_\_  
03-12-1800

## 3.12 BUMPER AND REAR STEP

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The rear bumper frame shall be all steel, welded construction. The frame members shall be made of 4" x 1-3/8" steel 'C' channel, 6" x 2" steel 'C' channel, 2" x 2" steel tube and 3" x 1-1/2" steel angle. The bumper shall be bolted to the OEM chassis frame rails.

There shall be a full width, one piece polished aluminum diamond plate kick plate installed above the rear step bumper and below the rear entry doors. The kick panel shall be sealed along the top and both ends with a continuous bead of Sikaflex sealant adhesive.

All steel rear bumper frame members to include isolation material between the steel frame and the aluminum bumper pods. Frame to have rubberized Scorpion polyurethane coating applied to prevent rust.

To support lifting safety and provide optimum cot loading space at the rear doors of the vehicle, the rear bumper shall be a flip up recessed pocket design. The 9" grip strut center section of the bumper shall flip up into a recessed pocket in the rear diamond plate wrapper. The recessed pocket shall be finished in polished diamond plate to match the wrapper and shall be deep enough to make the flip section of the bumper flush with the outside of the vehicle when in the up position.

There shall be eye beam constructed skid plates with tow eyes mounted as part of the frame of the bumper.

One (1) Bumper Pods, CPI Cast Aluminum w/RR Logo. (UM & PM) Y\_\_N\_\_  
03-12-3020

The rear outboard bumper pods shall be CPI cast aluminum with high polish finish, formed with manufacturer Logo embossed in the cast pattern on the step tread.

One (1) INSULATION Y\_\_N\_\_  
03-13-0000

One (1) Whisper Quiet - Sound Dampening/Thermal Insulation Package (UM & PM) Y\_\_N\_\_  
03-13-2220

### 3.13 *INSULATION*

The module interior walls, roof and doors shall be insulated to enhance the interior environment and minimize the conduction of heat, cold and external noise from entering the module. The wall and ceiling insulation shall be a non-settling, 2 inch thick, self-extinguishing polystyrene foam planking.

There shall be 3M brand acoustical Thinsulate installed over all exterior compartments and wheel wells for added acoustical insulation.

In addition to the polystyrene foam planking, the ceiling shall include a layer of 1/2 inch closed cell foam rubber padding installed prior to the vinyl ceiling material. The foam and vinyl shall provide additional safety and insulation.

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There shall be a single layer of 3M Thinsulate insulation between the OEM head liner and the cab roof to reduce noise.

The patient compartment entrance doors and the exterior compartment doors shall have 2 in. thick, self-extinguishing polystyrene foam insulation. The foam shall be glued to the interior and exterior panel.

The interior walls of the module shall be insulated with 1" polystyrene block foam insulation installed between the extruded structural framing. Wall areas that are too irregular for 1" block foam insulation, or where the block foam will interfere with wall outlets and wire chases, are to be insulated with 3M brand acoustical Thinsulate insulation. After the foam is installed, the entire interior of the unit shall be wrapped with 5/16" foil wrapped two sides radiant barrier foam style insulation to enhance the thermal and acoustical properties of the modular unit. The wheelwell and interior compartment wall areas shall be wrapped with Barymat sound proofing material installed under 3M brand acoustical Thinsulate insulation and the underside of the module floor will be coated with a Dow Chemical two part spray in place acoustical/thermal polyurethane insulation. This package provides an enhanced thermal/acoustical insulation package designed to provide an extremely quiet, environmentally efficient patient compartment.

Reflective Barrier/Barymat/Spray Foam Thermal Insulation Package:

- A. Reflective Barrier - Low-E Foil Wrapped Insulation System - The module walls shall be insulated with high density 1" block foam. Wall areas that are too irregular for 1" block foam insulation, or where the block foam will interfere with wall outlets and wire chases, are to be insulated with 3M brand acoustical Thinsulate insulation. Then the entire interior of the module shall be wrapped with 1/4" Low-E foil wrapped radiant barrier foam style insulation.
- B. This radiant barrier material will cover the following:
  - Full ceiling and wrapping over the corner radius and down the sidewall
  - Full side, front and rear walls from the top of the wall to the lowest possible point along the side, front and rear walls
  - Seams to be taped with silver / foil ducting tape to secure seams.
- C. Barymat sound deadening insulation over wheel wells and interior side of exterior compartment walls. (Installed under 3M brand acoustical Thinsulate insulation).
- D. Spray foam underbody insulation prior to undercoat application, full subfloor coverage where applicable. Includes curbside step well area.

One (1)	ELECTROLYSIS PREVENTION	Y__N__
03-14-0000		

One (1)	Electrolysis Prevention, Fluid Film (STANDARD)	Y__N__
03-14-4000		

**3.14 ELECTROLYSIS PREVENTION**

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All external materials and fasteners shall be chosen to prevent electrolysis and corrosion due to dissimilar materials, exposure to the elements and moisture entrapment.

Rubber, plastic or Mylar insulating material shall be installed under all lighting, all exterior compartment and entrance door handles, exterior door hinges, rear door hold opens, fuel filler, crash rails, windows and between the cab and module.

Additionally, all exterior components fastened or attached to the module, anything that breaks or has the potential to break paint shall incorporate the use of Fluid Film brand anti-corrosion and electrolysis prevention material. The manufacturer must use the patented Fluid film product; an equivalent substitute will not be acceptable. This product is available to any and all manufacturers and has proven itself in the emergency and fire industries. Product must be applied per the application guidelines.

To prevent long term electrolytic paint corrosion all components to be mounted on the module exterior shall be cut out prior to painting. All exterior fasteners used to mount emergency lighting to the outside of the module shall be completely isolated from the painted module by using a nonferrous collapsible blind insert that is reusable.

Crash rails and fender rings shall be secured to the module body utilizing an attachment method that does not use dissimilar metals.

One (1) COMBINATION RUB RAIL AND FENDER RING Y\_\_N\_\_  
03-15-0000

One (1) Crash Rail and Fender Ring (STANDARD) Y\_\_N\_\_  
03-15-2000

### **3.15 COMBINATION RUB RAIL AND FENDER RING**

There shall be lower body Rub Rail/Crash Rail and Fender Ring constructed of Black extruded rubber. The rubber rail will be snap-on mount with additional through bolt fasteners providing a gap between the rub rail and the body, reducing any opportunity of corrosion. The lower body Rub Rail and the transition to the Fender Ring will have Polished Aluminum end caps. This rubber material shall be highly resistant to weather extremes, road salts, and other chemicals. The extruded rubber rail to accept multiple inserts

One (1) Lighting LED Strip, Kinequip, In Standard Rubber Crash Rail Y\_\_N\_\_  
03-15-5510

#### **3.15.1 LIGHTING FOR COMBINATION RUB RAIL AND FENDER RING**

There shall be Kinequip LED strip lighting designed to fit into the extruded rubber crash rails. The lights shall be wired to come on with the compartment door adjacent to that area and increase the visibility of the unit at night. The lights will also be connected to the emergency warning system and flash when the warning lights are energized.

One (1) SPLASH GUARDS AND RUNNING BOARDS Y\_\_N\_\_  
03-16-0000

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One (1) Step and Fuel Tank Covers - Diamond Plate, Medium-Duty (Standard) Y\_\_N\_\_  
 03-16-1600

### **3.16 STEP & FUEL TANK COVERS**

Formed and welded aluminum diamond plate tank and step trim shall be provided on both sides of the vehicle. The covers shall be made of .125 inch polished aluminum diamond plate with open grate steps area provided on both sides. Battery access to OEM battery position shall be provided. The OEM fuel tank shall be fitted with a formed diamond plate cover. Assemblies shall be securely bolted to the chassis framing with stainless steel 1/4" x 20 hex head bolts and fastening points treated with "Fluid Film" corrosion inhibitive material.

One (1) Battery Box - Curbside under cab Y\_\_N\_\_  
 03-16-16SR

One (1) Mud Flaps - Rear, Black w/ RR Logo (Standard) Y\_\_N\_\_  
 03-16-1800

### **3.16.5 MUD FLAPS**

Mounted behind the rear dual wheels shall be heavy duty commercial type mud flaps. They shall be installed in such a manner as to not come in contact with the exhaust pipe and shall be bolted on with 1/4" x 20 stainless steel bolt assemblies for ease of replacement.

One (1) Drip Rails Y\_\_N\_\_  
 03-17-1000

### **3.17 DRIP RAILS**

Drip rails shall be extruded, bright anodized aluminum, running full length of module at the top sides and rear. Drip rails shall also be installed over each exterior compartment and directly over the rear entrance doors. All drip rails shall be attached with 3M VHB Urethane bonding tape, which will withstand exposure to the elements and still be replaceable. Mechanical type fasteners that can cause paint electrolysis shall not be acceptable.

One (1) Wheel well liners Y\_\_N\_\_  
 03-18-1000

### **3.18 WHEEL WELL LINERS**

There shall be full wheel well liner protection plates in each rear wheel well extending down to the bottom of the skirt. Chassis manufacturer's wheel and jounce clearance must not be violated.

One (1) CAB TO MODULE ACCESS Y\_\_N\_\_  
 03-19-0000

### **3.19 CAB TO MODULE ACCESS**

One (1) Pass Thru Window, ILOS Walk Through - Medium Duty Navistar, Freightliner, Ford Y\_\_N\_\_  
 03-19-5200

### **PASS THOUGH WINDOW**

The manufacturer shall provide a solid bulkhead wall with a pass-through opening between the cab and module. The opening will include a steel 'weld-in' framework on the cab side, a flexible rubber accordion style bellows and a Lexan sliding window in the module. The window shall have a positive latch on the cab side.

One (1) LICENSE PLATE HOLDER Y\_\_N\_\_  
 03-20-0000

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## 3.20 LICENSE PLATE HOLDER

One (1) Rear License Holder Location - C/S Above Rear Kickplate Y\_\_N\_\_  
03-20-0510

- Location: The license plate frame shall be installed on the curbside rear module body above the diamond plate.

One (1) EXTERIOR COMPARTMENT CONSTRUCTION Y\_\_N\_\_  
04-01-0000

## 4. MODULE COMPARTMENTS

### 4.1 EXTERIOR COMPARTMENT CONSTRUCTION

One (1) Exterior Compartment Construction, Medium Duty Y\_\_N\_\_  
04-01-0300

All compartment sidewalls and ceilings shall be constructed of .125" x 5052-H32 aluminum. Compartment floors shall be constructed of .125" x 5052H32 aluminum that is raised to provide a smooth sweep out floor. The complete formed and welded compartment assemblies shall be securely welded to the sub-floor structure and sidewall structural framing of the module. All compartment construction joints that are not sealed by weld shall be sealed with an automotive grade seam sealer before final finishing of the compartments.

Module exterior compartment door jambs shall be .125" x 5052H32 extruded aluminum. The door jamb extrusion shall have four corner keys installed and each corner shall be fully welded as a square assembly. The extrusion shall have a tapered flange that overlaps the body and shall also have a flange with a smooth mating surface for the air cell hollow core, compression door seal that is applied to the door. There shall be a 2" x 2" door frame around the full perimeter of the door opening to provide a structural foundation for the door jamb. The door jamb assembly shall be welded to the compartment framing.

One (1) Door Sill Protection, Stainless Steel. (STANDARD) Y\_\_N\_\_  
04-01-3000

The manufacturer shall install a stainless steel door sill protection on the lower outside edge of all exterior entry and compartment door frames to prevent damage caused by entering or leaving the vehicle or when accessing or replacing equipment.

Two (2) Exterior Cast Bottle holder - Forward of Wheel Well (1) Y\_\_N\_\_  
04-01-30SR

One (1) EXTERIOR COMPARTMENT DOORS Y\_\_N\_\_  
04-02-0000

### 4.2 EXTERIOR COMPARTMENT DOORS

One (1) Compartment Door - Hidden Hinge, Seal on Door (UM) Y\_\_N\_\_  
04-02-0100

### 4.2. EXTERIOR COMPARTMENT DOORS

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Module exterior compartment door jambs to be extruded aluminum with no visible door jamb flange that overlaps the exterior wall skin. The exterior compartment doors to be single box pan formed door skin with reinforced extruded aluminum door frame.

The hinge shall have a 3M Urethane closed cell barrier tape between the hinge and door jamb. The area between the stainless steel hinge and the painted door and jamb surfaces shall also be treated with anti-corrosion, electrolysis prevention material. The product must be commonly available to any and all manufacturers and have proven itself in the emergency and fire industries. The material must be applied per the manufacturer's application guidelines.

The exterior compartment doors shall be mounted in such a manner that when the doors are closed the stainless steel hinge is completely hidden behind the door skin. The design of these doors imitates smooth, flush fitting doors commonly found in the automotive industry.

Polystyrene foam planking insulation between the outer skin and the interior door panel. Weather stripping to be secured to the door so that the latching system is protected from the elements.

The compartment doors shall be equipped with TriMark rotary latches constructed of high strength, heat treated, steel latch components. Rotor and latch shall be coated with a solid film lubricant, springs made of 302 stainless steel, and components zinc plated with Clear chromate

All rotary door latches shall engage Nader pin striker posts made of high strength steel, plated with clear chromate and inserted through a synthetic isolation washer designed to prevent corrosion around Nader pins. The Nader pins shall have a shoulder to prevent the latch mechanism from being pulled over the top of the pin in a dynamic crash situation. The Nader pins shall be fastened with a securing nut designed to function like a blind fastener, allowing the Nader pin to be adjusted and re-tightened without having to access the nut.

All of the internal door hardware, paddle handles and latches, shall be sprayed with a petroleum based lubricant material. NO EXCEPTIONS

The module compartment door switches shall incorporate magnetic proximity switches that will activate specified module compartment interior lighting when the compartment door is opened it will activate corresponding interior compartment light and activate a flashing indicator light in the driver's control panel when the doors are opened. The switch utilized shall be a magnetic proximity switch that requires no maintenance and is easily accessible for replacement. The magnetic switch shall be a heavy-duty, industrial type with a minimum of a 3 amp rating.

One (1) Compartment Handles, Exterior - TriMark 2015 Chrome/Black (UM)  
04-02-0715

Y\_\_N\_\_

The exterior compartment doors shall be equipped with two point, flush mounted TriMark paddle handles. The handle shall be designed with a floating cam so when the doors are locked, no stress will be placed on the door rod linkage when the paddle handle is operated. The handle housings shall have a die cut rubber

# REV, RTC

gasket separating the paddle handle from the door. The surface finish of the handles and the handle housing shall provide a polished chrome, bright finish. The paddle handles and housings shall be tested for adhesion, chemical resistance, salt spray, abrasion and accelerated weathering. All springs shall be made of pre-galvanized zinc music wire. Pivot plate and lock cam washer are zinc plated and coated with clear chromate.

Three (3)  
04-02-0741

Compartment Handle, TriMark 2015 Chrome/Black, Street side, locking

Y\_\_N\_\_

The exterior compartment doors shall be equipped with two point, flush mounted TriMark paddle handles. The handle shall be designed with a floating cam so when the doors are locked , no stress will be placed on the door rod linkage when the paddle handle is operated. The handle housings shall have a die cut rubber gasket separating the paddle handle from the door. The surface finish of the handles and the handle housing shall provide a polished chrome, bright finish. The paddle handles and housings shall be tested for adhesion, chemical resistance, salt spray, abrasion and accelerated weathering. All springs shall be made of pre-galvanized zinc music wire. Pivot plate and lock cam washer are zinc plated and coated with clear chromate.

Two (2)  
04-02-0746

Compartment Handle, TriMark 2015 Chrome/Black, Street side, Non-Locking

Y\_\_N\_\_

The exterior compartment doors shall be equipped with two point, flush mounted TriMark paddle handles. The handle housings shall have a die cut rubber gasket separating the paddle handle from the door. The surface finish of the handles and the handle housing shall provide a polished chrome, bright finish. The paddle handles and housings shall be tested for adhesion, chemical resistance, salt spray, abrasion and accelerated weathering. All springs shall be made of pre-galvanized zinc music wire. Pivot plate and lock cam washer are zinc plated and coated with clear chromate.

Two (2)  
04-02-0751

Compartment Handle, TriMark 2015 Chrome/Black, Curbside, locking

Y\_\_N\_\_

The exterior compartment doors shall be equipped with two point, flush mounted TriMark paddle handles. The handle shall be designed with a floating cam so when the doors are locked , no stress will be placed on the door rod linkage when the paddle handle is operated. The handle housings shall have a die cut rubber gasket separating the paddle handle from the door. The surface finish of the handles and the handle housing shall provide a polished chrome, bright finish. The paddle handles and housings shall be tested for adhesion, chemical resistance, salt spray, abrasion and accelerated weathering. All springs shall be made of

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pre-galvanized zinc music wire. Pivot plate and lock cam washer are zinc plated and coated with clear chromate.

One (1)  
04-02-0805

Compartment Door Locks - 2015 TriMark

Y\_\_N\_\_

All compartment door paddle handles shall be keyed alike. The paddle latches mounted in each locking door shall include a double cut, non-directional tumbler assembly designed to accept a key that does not require a specific orientation for actuation. Single cut tumbler assemblies that require a specific orientation for operation are not acceptable. NO EXCEPTIONS

The compartment doors shall be equipped with TriMark rotary latches constructed of high strength, heat treated, steel latch components. Rotor and latch shall be coated with a solid film lubricant, springs made of 302 stainless steel, and components zinc plated with Clear chromate

All rotary door latches shall engage Nader pin striker posts made of high strength steel, plated with clear chromate and inserted through a synthetic isolation washer designed to prevent corrosion around Nader pins. The Nader pins shall have a shoulder to prevent the latch mechanism from being pulled over the top of the pin in a dynamic crash situation. The Nader pins shall be fastened with a securing nut designed to function like a blind fastener, allowing the Nader pin to be adjusted and re-tightened without having to access the nut.

All of the internal door hardware, paddle handles and latches, shall be sprayed with a petroleum based lubricant material. NO EXCEPTIONS

The module compartment door switches shall incorporate magnetic proximity switches that will activate specified module compartment interior lighting when the compartment door is opened it will activate corresponding interior compartment light and activate a flashing indicator light in the driver's control panel when the doors are opened. The switch utilized shall be a magnetic proximity switch that requires no maintenance and is easily accessible for replacement. The magnetic switch shall be a heavy-duty, industrial type with a minimum of a 3 amp rating.

One (1)  
04-02-1000

Compartment Door Nader Pin - (STANDARD)

Y\_\_N\_\_

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All rotary door latches shall engage Nader pin striker posts made of high strength steel, plated with clear chromate and inserted through a synthetic isolation washer designed to prevent corrosion around Nader pins. The Nader pins shall have a shoulder to prevent the latch mechanism from being pulled over the top of the pin in a dynamic crash situation. The Nader pins shall be fastened with a securing nut designed to function like a blind fastener, allowing the Nader pin to be adjusted and re-tightened without having to access the nut.

One (1) 04-02-1200 Compartment Door Lubrication - Door Handles and Latches (STANDARD) Y\_\_N\_\_

All of the internal door hardware, paddle handles and latches, shall be sprayed with a petroleum based lubricant material. NO EXCEPTIONS

One (1) 04-02-1300 Compartment Door Reflectors - (STANDARD) Y\_\_N\_\_

All exterior compartment doors shall have a red reflector mechanically attached to the lower outboard corner of the door

One (1) 04-02-1500 Magnetic Compartment Door Switches - (STANDARD) Y\_\_N\_\_

The module compartment door switches shall incorporate magnetic proximity switches that will activate specified module compartment interior lighting when the compartment door is opened it will activate corresponding interior compartment light and activate a flashing indicator light in the driver's control panel when the doors are opened. The switch utilized shall be a magnetic proximity switch that requires no maintenance and is easily accessible for replacement. The magnetic switch shall be a heavy-duty, industrial type with a minimum of a 3 amp rating.

One (1) 04-02-2010 Compartment Door Panel, Inner - Diamond Plate (STANDARD) Y\_\_N\_\_

The interior door panels of the exterior compartment doors are to be Aluminum Diamond Plate.

All exterior compartment doors shall have a red reflector mechanically attached to the lower outboard corner of the door

One (1) 04-02-2300 Compartment Door, Gas Struts - (STANDARD) Y\_\_N\_\_

The ambulance shall be equipped with Heavy Duty gas strut hold opens. The struts will be installed on each exterior compartment door. Exterior compartment doors to open to 90+ degrees.

One (1) 04-02-2500 Compartment Door Panel Mounting Screws - (STANDARD) Y\_\_N\_\_

The interior door panels for all module exterior compartment doors will utilize the automotive style spring clips mounted to the door frame. The interior door panels will be held in place with 10-24 X 3/4" stainless steel machine screws. Screws will be rubber backed and treated with thread locking material pre-applied by the screw manufacturer to prevent loosening from long term vibration.

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<p>One (1) 04-02-5999 20</p>	<p>Power Door Locks - Exterior Compartment(s)</p>	<p>Y__N__</p>
<p>The following exterior compartments shall come equipped with power door locks:</p>		
<p>One (1) 04-02-6010 20</p>	<p>Exterior Compartment #'s 1, 2, 4, 6 &amp; 8, Only</p> <ul style="list-style-type: none"> <li>- Exterior Compartment #1</li> <li>- Exterior Compartment #2</li> <li>- Exterior Compartment #4</li> <li>- Exterior Compartment #6</li> <li>- Exterior Compartment #8</li> </ul>	<p>Y__N__</p>
<p>One (1) 04-03-0410</p>	<p>Compartment Light Locations - Ultramedic</p> <p>Compartment Light Locations - Standard for Ultramedic</p> <ul style="list-style-type: none"> <li>- (1) #1 Ceiling. 4" light</li> <li>- (1) #1 Under O2 shelf (Surface Mount) 6" light with switch</li> <li>- (2) #2 Wall above and below standard shelf. 4" light</li> <li>- (2) #4 Wall above and below standard shelf. 4" light</li> <li>- (1) #6 Ceiling.4" light</li> <li>- (3) #8/Right Stack - One in each shelf section. 4" light</li> </ul>	<p>Y__N__</p>
<p>One (1) 04-03-1550</p>	<p>Door Open Indicators, (STANDARD VMUX)</p> <p>The magnetic proximity switches located at the top of the door between the jamb and the door frame will activate a door open indicator on the driver's control panel and activate the corresponding Interior compartment light. . The Vista screen located on the driver's control panel will include a digital layout with door open indicators for each module door.</p>	<p>Y__N__</p>
<p>One (1) 04-03-2400</p>	<p>Compartment Lights - LED, Flexible Strip,</p> <p>All compartments shall be illuminated by Flexible LED strip lighting in lieu of the standard 4" halogen lights. (2) Vertical strips in each exterior compartment installed one on each side of the opening. The compartment 1 Lights will be also wired to Oxygen light switch in action area.</p>	<p>Y__N__</p>
<p>One (1) 04-04-0000</p>	<p>EXTERIOR COMPARTMENT INTERIOR</p>	<p>Y__N__</p>
<p>One (1) 04-04-1000</p>	<p>Exterior Compartment - Interior Finish, Polyurethane Coated</p> <p><b>4.4. EXTERIOR COMPARTMENT FINISH</b></p>	<p>Y__N__</p>

All compartments surfaces shall have a degreaser and metal treatment application to remove oils and etch the surface to insure proper adhesion of the polyurethane coating. All seams shall then be caulked and allowed to dry to prevent shrinking and cracking. This system shall produce a high performance textured solid color surface to provide a durable, wear resistant finish.

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One (1) Color = Dark Gray Y\_\_N\_\_  
04-04-1001

Polyuerthane Color shall be: Dark Gray  
One (1) Exterior Compartment Shelving and Unistrut - Standard Y\_\_N\_\_  
04-05-0001

**4.5. EXTERIOR COMPARTMENT SHELVING**

All shelving Unistrut shall be welded to the walls prior to any compartment wall finish. Where specified, exterior adjustable shelves shall be box pan formed of a minimum .125 inch Aluminum Diamond Plate and corners shall be welded. Shelves shall be infinitely adjustable, and securely mounted to heavy gauge aluminum Unistrut track.

One (1) Compartment Shelving - Diamond Plate (STANDARD) Y\_\_N\_\_  
04-05-1000

Where specified, exterior adjustable shelves shall be box pan formed of a minimum .125 inch Aluminum Diamond Plate and corners shall be welded. Shelves shall be infinitely adjustable, and securely mounted to heavy gauge aluminum Unistrut track.

One (1) EXTERIOR - COMPARTMENT #1 Y\_\_N\_\_  
04-06-0001 10

**4.6 EXTERIOR COMPARTMENT - #1**

One (1) Electrical Storage - Compartment #1 Y\_\_N\_\_  
04-06-0010

Recessed into the bulkhead side of compartment #1 shall be an enclosed area for the installation of miscellaneous electrical components. The aluminum cover for this area to be installed with 'J' molding. The 'J' molding to be full length of panel on bottom and inboard side. Outboard side of panel to be secured with mechanical fasteners.

One (1) Compartment #1 - Full Height, Standard Configuration (UM) Y\_\_N\_\_  
04-06-0020

The forward most compartment on the street side of the module. It shall be externally vented with stamped louvers, to prevent compression of the air inside the compartment to allow you to shut the door.

One (1) Widen the #1 compartment by 5" Y\_\_N\_\_  
04-06-02SR

One (1) Shelf, Fixed- Comp. #1 standard Y\_\_N\_\_  
04-06-1505

**FIXED SHELF**

There shall be a fixed shelf above the oxygen area for miscellaneous storage.

One (1) Delete Divider, Fixed - Compartment #1 Y\_\_N\_\_  
04-06-1700

One (1) Strap, equipment(1) Seat belt Style, Metal Buckle Y\_\_N\_\_

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04-06-1935	There shall be (1) equipment restraint strap with quick release buckle provided in this compartment.	
Two (2) 04-06-19SR	Add 110 degree gas struts to the #1 and the #8 compartment doors	Y__N__
One (1) 04-07-0001 10	EXTERIOR - COMPARTMENT #2	Y__N__
<b>4.7</b>	<b><i>EXTERIOR COMPARTMENT - #2</i></b>	
One (1) 04-07-0600	Compartment #2 - Standard Configuration, (UM)	Y__N__
	Exterior compartment #2 shall be directly behind the #1 compartment and below the interior action area shelf on the street side of the module. The compartment shall have double doors and one adjustable shelf on Unistrut track. This compartment shall for equipment storage and shall be per the size and configuration shown in the attached prints.	
One (1) 04-07-25SR	Install (2) fixed dividers	Y__N__
One (1) 04-07-26SR	Shelf Fixed ILOS - Compartment #2	Y__N__
	– This compartment shall have one (1) adjustable shelf on unistrut track and additional compartment light.	
Three (3) 04-07-280S	Equipment Strap - (1),Seat Belt Style, Metal Buckle	Y__N__
	There shall be (1) equipment restraint strap with quick release buckle provided in this compartment.	
One (1) 04-07-3100	Compartment #2 - Increase Height 6.00"	Y__N__
	Increase the height of the #2 compartment 6 inches. Includes raising the height of the interior lower left countertop and counter aft of CPR seat.	
One (1) 04-09-0001 10	EXTERIOR - COMPARTMENT #4	Y__N__
<b>4.9</b>	<b><i>EXTERIOR COMPARTMENT - #4</i></b>	
One (1) 04-09-3100	Compartment #4 - Reduced Height, for Center Left 4 Cabinet	Y__N__
	Exterior compartment #4 shall be the rearward most compartment on the street side of the vehicle. This compartment shall be the same height as the forward # 2 compartment. This configuration will provide for additional interior cabinet space.	
One (1) 04-09-3700	Double Doors #4 Compartment	Y__N__
	The #4 compartment shall have double doors.	
One (1) 04-09-4504	Shelf Adjustable , Compartment #4,For Reduced Hght Comp.	Y__N__

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This compartment shall have one (1) adjustable shelf on unistrut track, this includes the additional light in compt.

One (1) EXTERIOR - COMPARTMENT #6 Y\_\_N\_\_  
04-11-0001 10

**4.11 EXTERIOR COMPARTMENT - #6**

One (1) EXTERIOR - COMPARTMENT #6.5 Y\_\_N\_\_  
04-12-1000

One (1) Compartment #6.5 - Base Configuration (UM & PM) Y\_\_N\_\_  
04-12-3400

**4.12 EXTERIOR COMPARTMENT - #6.5**

Exterior compartment #6.5 shall be directly behind the wheel well on the curbside of the module and below the level of the interior squad bench. The compartment shall have a single door. This compartment shall be for miscellaneous equipment storage. This compartment shall be per the size and configuration shown in the attached prints.

One (1) Widen #6.5 Compartment, Add Double Doors Y\_\_N\_\_  
04-12-3600

The rearward most compartment on the curb side of the module shall have double doors

One (1) Increase height of #6.5 to approx 27" Y\_\_N\_\_  
04-12-36SR

One (1) EXTERIOR - COMPARTMENT #8 Y\_\_N\_\_  
04-14-0001 20

**4.14 EXTERIOR COMPARTMENT - #8**

One (1) Compartments #8 & 8.5 - Full Height, Combined Configuration Y\_\_N\_\_  
04-14-29SR

One (1) INTERIOR TRIM AND FEATURES Y\_\_N\_\_  
05-01-0000

**5 MODULE INTERIOR**

**5.1 INTERIOR CABINET CONSTRUCTION**

All cabinets shall be independently box pan formed of .090 aluminum, utilizing welded, shatter proof construction for maximum safety. No wood products shall be used. Cabinets shall be constructed as independent modular units completely assembled outside the vehicle then secured to the module structure, thereby enhancing the overall structural integrity of the module. Cabinets created or assembled in the vehicle as a dependent part of the module structure shall not be acceptable due to their inability to enhance the overall structural integrity of the module. The material for the curbside wall panel and the CPR side seat wall panel shall be .188 PVC material to give a better insulation to the walls.

The interior of the cabinets shall be acid washed, degreased with wax and grease remover. A coat of self etching wash primer shall be applied and a final coat of white paint with flattening toner shall be applied.

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The exterior of the cabinets shall be laminated with industrial grade, color coordinated material. The upper cabinets shall be covered with a heavy-duty color coordinated vinyl and the lower cabinets and walls will be covered with a anti-microbial grade thermal plastic laminate. Cabinet bottoms shall be lined with non-hygroscopic removable shelf liner

The cabinet door frames shall consist of heavy-duty, extruded aluminum glass track frame fastened together as a structure independent of the cabinet. All frame corners shall be mitered and assembled with extruded aluminum corner braces and epoxy. The frames shall be constructed in a manner that allows for disassembly and replacement of the sliding Acrylic doors. All sliding cabinet doors shall be 3/16 inch Acrylic set in felt lined tracks that require no adjustment. Each piece of Acrylic glass shall have full length extruded aluminum handles.

The frames of the upper band cabinets shall be hinged with full length, piano hinge. The frame shall be hinged on top and be equipped with pneumatic hold opens on each side, with one (1) interior positive slam latch. This shall enable the entire face frame with sliding Acrylic doors to be opened for easier cleaning and restocking of the cabinets. The gas shocks shall be of sufficient strength to automatically lift the cabinet door frame without any aid and hold in the open position without any other device. The rigid design of the frame extrusions and corner assemblies on the restocking doors will eliminate twisting of the frame structure. The frame shall have a positive locking device to keep the frame from opening while the vehicle is in motion.

The frames of the street side upper band cabinets shall be hinged with full length, piano hinge. The frame shall be hinged on top and be equipped with pneumatic hold opens on each side, with one (1) interior positive catch bottom center. This shall enable the entire face frame with sliding Plexiglas doors to be opened for easier cleaning and restocking of the cabinets. The gas shocks shall be of sufficient strength to automatically lift the cabinet door frame without any aid and hold in the open position without any other device. The frame shall have a positive locking device to keep the frame from opening while the vehicle is in motion.

All plastic laminates shall be adhered to the cabinetry using an industrial grade high strength contact adhesive. The manufacturer shall demonstrate strength of adhesive through independent testing. Test results shall demonstrate strength of newly applied adhesive as well as strength of aged adhesive. Testing should be to ASTM standard # D3163-92 or equivalent.

All upper band cabinet door frames shall consist of rigid, heavy duty, extruded aluminum glass frame. The rigid design of the frame extrusions and corner assemblies on the restocking doors will reduce twisting of the frame structure. The door frames will be held closed with slam latches and the felt track design does not require adjustment.

Squad Bench and CPR seat cushions shall be securely fastened but easily removable without tools for daily cleaning. All other cushions shall be permanently fastened.

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In order to decrease the risk of accumulation or exposure to fluid borne pathogens, any areas around the interior that have the potential for fluid accumulation shall be seam sealed with silicone or equivalent type material that will prevent the possible accumulation of fluid borne pathogens.

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.

One (1) INTERIOR TRIM Y\_\_N\_\_  
05-05-0000

## 5.5 INTERIOR TRIM

One (1) Interior Trim - Standard Y\_\_N\_\_  
05-05-1000

All cabinet and wall panel aluminum trim including shall be Gray anodized. All protective corner trim shall be Opaque and will include a matching domed end cap.

One (1) HEADLINER Y\_\_N\_\_  
05-06-0000

## 5.6 HEADLINER

One (1) Ceiling Medical Device Rail (STANDARD) Y\_\_N\_\_  
05-06-1100

A near surface mounted Medical Device rail system shall be installed over the primary cot. Each side of the track will have a semi-transparent lens cover to house the LED strip lights. The track system to be surface mounted and run the entire length of the module with the sole intent of providing easy access to allow the medical personnel to quickly access equipment for administering aid to the patient.

The medical device rail allows for provisions for standard:

- (1) IV Hanger
- (3) Patient Lights focused at head, torso and legs
- (2) antenna accesses under cot lights.

See separate options for additional IV hangers, oxygen outlets and AM/FM speakers.

One (1) Headliner - Vinyl Ceiling, No Seams (STANDARD) Y\_\_N\_\_  
05-06-1200

The headliner shall include a cushioned, 1/2 inch thick fire retardant acoustical foam, covered with a heavy grade seamless White vinyl. The vinyl shall not be

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glued to the foam, but stretched tightly across the entire ceiling to prevent sagging after long term usage. This soft ceiling shall provide additional safety and insulation.

One (1) White LED Strip Lights, Ceiling Medical Device Rail. (UM & PM) Y\_\_N\_\_  
05-06-1802

## **LED STRIP LIGHTING**

White LED strip lights shall be installed from the upper bulkhead area to the rear of the module stopping approximately 12 inches from the rear door header area on both sides. Includes an 'On/Off' switch at the rear switch panel, 'On' with module.

One (1) Red/Amber LED Turn/Brake Strip Lights, Ceiling Medical Device Rail. (UM & PM) Y\_\_N\_\_  
05-06-1902

- Red/Amber LED strip lights shall be installed in the Ceiling Medical Device Rail on both sides at the rear. Total length on each side to be 12". The lights shall be activated from the vehicle turn signals or brake light circuit to inform personnel in patient compartment when the vehicle is turning and braking.

One (1) FLOORING Y\_\_N\_\_  
05-07-0000

## **5.7 FLOORING**

One (1) Aluminum Floor/Wall Cove Molding. (STANDARD) Y\_\_N\_\_  
05-07-1000

Seams at perpendicular floor and cabinet intersections will be finished with an aluminum cove molding trim. The seams where cabinets meet floor will be sealed with a caulking sealant / adhesive before installing the aluminum cove molding.

One (1) Stainless Steel Rear Threshold, 45 Degree Chamfered (STANDARD) Y\_\_N\_\_  
05-07-1400

The rear door threshold shall be 14 gauge stainless steel with 45 degree chamfered edge. The threshold will be permanently installed with Sikaflex 252 sealant/adhesive. The Sikaflex material will both secure the threshold and provide a full perimeter seal to prevent fluid borne contamination. The threshold shall include 3M "Safety Walk" anti-skid tape to prevent slipping. There will be no holes drilled in the stainless and no screw type attachments required.

One (1) Lonplate II Flooring Choice Y\_\_N\_\_  
05-07-3000

The patient compartment flooring shall be Lonseal / Lonplate II commercial grade, anti-skid flooring material.

One (1) Color - 443 TX Midnight Y\_\_N\_\_  
05-07-3006

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One (1) Curbside Stainless Steel Threshold,4" wide,W/Safety Walk Anti-Skid Tape Y\_\_N\_\_  
05-07-6100

There shall be a 4" wide 14 gauge #304 stainless steel threshold with anti skid tape at the curbside entry door. The threshold will be installed with Sikaflex 252 in a manner that provides a permanently stable attachment and full perimeter seal to prevent fluid borne pathogen contamination and enhances the cleaning process. The threshold shall include 3M "Safety Walk" anti-skid tape to prevent slipping. There will be no holes drilled in the stainless and no screw type attachments required.

One (1) HEAD BUMPERS Y\_\_N\_\_  
05-08-0000

## 5.8 HEAD BUMPERS

There shall be head bumpers located over the module to cab walk-through, on all three sides of the upper CPR seat head area, on the front of the environmental cabinet, across upper rear curbside exterior compartment wall. These cushions shall be 1 inch high density flame retardant foam cushions covered with heavy grade color coordinated vinyl. The side entry door header shall have a vinyl covered foam padded cushion spanning the full width and height of the header wall above the door. The rear entry door header shall have a 2" high density flame retardant vinyl covered cushion spanning the full width and height of the header wall above the doors.

To reduce the accumulation of fluids, to prevent long term moisture damage due to water and fluid contamination, and to facilitate the cleaning process in the patient compartment; all cushions and related components shall be constructed without the use of wood products. NO EXCEPTIONS

One (1) BACKRESTS Y\_\_N\_\_  
05-09-0000

## 5.9 BACKRESTS

All of the backrests and seat cushions shall be constructed with 2 inch thick, high density fire retardant foam covered with a heavy grade color coordinated vinyl. The lower band cushions and backrests shall be thermal vacuum formed automotive vinyl. The cushions shall be backed with 10mm PVC board. Plywood or other porous materials shall not be acceptable for cushion backs. Backrest and seat cushions shall be securely fastened yet easily removable for cleaning. All other cushions shall be attached with Christmas tree type automotive blind fasteners.

One (1) Rear Entry Door Grab Bars Y\_\_N\_\_  
05-10-1300

One (1) Rear Entry Door Grab Bars - "L" Bars, 16" Anti-Microbial Y\_\_N\_\_  
05-10-1301

## 5.10 GRAB RAILS

Each module rear entry door shall be equipped with a 1-1/4" diameter Anti-Microbial stainless steel "L" shaped grab bar. These bars shall measure approximately 16" wide by 26" high, and shall have a Clear Anti-Microbial

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coating. The bars shall be oriented so that the horizontal portion of the "L" extends along the lower edge of the window. The vertical portion of the "L", shall be oriented toward the hinge side of the doors, and shall extend upward to a mount point above the upper edge of the window. All fasteners for the bars MUST engage internal door structure.

One (1) Side Entry Door Grab Bars - "L" Bar - 19" Anti-Microbial Y\_\_N\_\_  
05-10-1401

The module's side entry door shall be equipped with a 1-1/4" diameter Anti-Microbial stainless steel "L" shaped grab bar. This bar shall measure approximately 19" wide by 24" high, and shall have a Clear Anti-Microbial coating. The bar shall be oriented so that the horizontal portion of the "L" extends along the lower edge of the window. The vertical portion of the "L", shall be oriented toward the hinge side of the doors, and shall extend upward to a mount point above the upper edge of the window. All fasteners for the bar MUST engage internal door structure

One (1) Ceiling Grab Rail - Center 108" Anti-Microbial Y\_\_N\_\_  
05-10-1903

There shall be a 1-1/4 inch diameter handicap style stainless steel grab rail securely mounted to the ceiling. All fasteners for the rail MUST engage structural framing in the ceiling. The rail shall be approximately 108" long and have a Clear Anti-Microbial coating. The rail shall be mounted lengthwise and as close to center as possible over the primary cot location.

One (1) Ceiling Grab Rail - Streetside 72" Anti-Microbial Y\_\_N\_\_  
05-10-2101

There shall be an additional 1-1/4 inch diameter handicap style stainless steel grab rail securely mounted to the ceiling. All fasteners for the rail MUST engage structural framing in the ceiling. The rail shall be approximately 72" long and have a Clear Anti-Microbial coating. The rail shall be mounted lengthwise and toward the streetside of the primary cot location.

One (1) Additional 18" Grab Bar - Antimicrobial Y\_\_N\_\_  
05-10-7300

There shall be a 1.25 inch x 18 inch stainless steel Antimicrobial grab bar installed.

Two (2) (1) 18" Bar, ANTIMICROBIAL (SPECIFY LOCATION) Y\_\_N\_\_  
05-10-7301

One (1) PLASMA HANGER Y\_\_N\_\_  
05-11-0000

## 5.11 PLASMA HANGER

One (1) IV Hangers - CPI #IV2008 (STANDARD) Y\_\_N\_\_  
05-11-4000

There shall be Cast Products # IV2008-01 ceiling mounted IV hangers installed in customer specified locations. These flush mount hangers shall accommodate 2 bags and shall be equipped with stabilizer straps. The hangers shall be mounted so that in the event of a forward collision, the hangers will fold up upon impact.

One (1) Quantity (2) Y\_\_N\_\_

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05-11-4002

One (1) IV Hangers - Perko IV Clips, #1309 Y\_\_N\_\_  
 05-11-5600

The patient compartment shall be equipped with (2) Perko clip IV holders #1309 in locations specified by the customer.

One (1) Quantity (2) Y\_\_N\_\_  
 05-11-5602

One (1) INTERIOR STREETSIDE #1 - LEFT STACK and BULKHEAD Y\_\_N\_\_  
 05-12-0010 10

**5.12 LEFT STACK AREA #1**

One (1) Upper Bulkhead Cabinet - Double Doors (STANDARD) Y\_\_N\_\_  
 05-12-0200

For access to the electrical components, the upper bulkhead cabinet shall have double hinged Kydex Thermoplastic laminate or multi-spec covered doors with locking latch on the right hand door and center mullion on the left hand door.

One (1) Left Stack - Storage Area #1 - 45 Deg Angled -CN 10 Certified Y\_\_N\_\_  
 05-12-1610

A two section vertical cabinet shall be provided behind the attendant seat on the streetside forward corner on a 45 degree bevel that includes the access doors to the cabinet. The lower cabinet door shall be aluminum with plastic laminate and the upper cabinet shall be a Lexan door with full perimeter extruded aluminum frame.

One (1) Bulkhead Cabinet, Lower - (2) Tip-out for D-Cylinders Y\_\_N\_\_  
 05-12-16SR

The patient compartment shall include a lower bulkhead cabinet located between the existing vertical left storage/radio cabinet and the ALS cabinet. The cabinet shall include (2) hinged aluminum and Kydex Thermoplastic or multi-spec doors with locking latch, (1) adjustable shelf, and a solid surface countertop with retaining lip.

One (1) Shelf Adjustable - Left Stack Y\_\_N\_\_  
 05-12-1810

There shall be an adjustable shelf located in the left stack cabinet.

One (1) INTERIOR STREETSIDE #2 - ACTION AREA Y\_\_N\_\_  
 05-13-0010 10

**5.13 ACTION AREA WALL #2**

One (1) Medical Device Rail - Action Area Wall Y\_\_N\_\_  
 05-13-0700

An action wall Medical Device rail system shall be installed on the streetside wall. Each side of the track will have a solid surface accent stripe to match the action wall counter. The track system to be surface mounted and run the entire length of the action wall from the #1 compartment to the CPR seat.

The medical device rail allows for provisions for the standard (2) Oxygen Outlets, Oxygen Solenoid Valve, Suction Regulator, 12V Outlet and 110V Outlet.

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One (1) Cabinets - Upper Left U2 and U2.5, Std Configuration (UM) -CN 10 Certified Y\_\_N\_\_  
05-13-0802

There shall be (2) cabinets located over the action area labeled U2 and U2.5. The forward upper left #2 (U2) and the rearward upper left #2.5 (U2.5) cabinets to include (1) adjustable shelf in each cabinet. Both cabinet fronts shall have sliding polycarbonate doors with spring activated latching handles and have restocking feature with integral exterior spring activated latch.

The attendant switch panel and environmental controls shall be built into a separate 6" high section below the U2.5 cabinet and tilted slightly down for ease of accessibility to the attendant..

One (1) Avonite Stormy Gray, F1-9010 (STANDARD) Y\_\_N\_\_  
05-13-2209

One (1) Countertop - Forward Action and Bulkhead and Squad Bench Y\_\_N\_\_  
05-13-2300

### **ACTION AREA COUNTER TOP**

There shall be a sealed, solid surface counter top on the forward action area countertop only. The color and pattern design of the solid surface counter top material shall be as follows:

One (1) Relocate SSCOR suction canister, lower left Y\_\_N\_\_  
05-13-2620

One (1) Drawer - Lower Left-Specify Location,(under counter requires #2 modification Y\_\_N\_\_  
05-13-2650

There shall be a slide out drawer in lower left cabinet. The drawer shall incorporate a locking latch on the drawer face.

Drawer shall be approximately 3 in. D x 13 in. W.

One (1) Slides - Non-Locking 18" Y\_\_N\_\_  
05-13-2652

The drawer slides shall be a Non-Locking design rated for a minimum of 200 LBS. The drawer shall be approximately 18" from front to back.

The action area countertop shall be raised to accomodate the drawer without notching the #2 compartment.

One (1) INTERIOR STREETSIDE #3 - CPR SEAT Y\_\_N\_\_  
05-14-0010 10

### **5.14 STREETSIDE C.P.R SEAT AREA #3**

One (1) Streetside - CPR Seat, Standard Configuration Y\_\_N\_\_  
05-14-0500

The CPR seat shall provide a minimum 24" wide seating space. The seat and backrest cushions shall be 2 inch high density flame retardant foam covered with high grade color coordinated vinyl. The seat lid shall be hinged for storage underneath, held up with a pneumatic hold open device and be held closed with a

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positive latch. The upper and lower portion of the CPR seat area shall be padded on three sides for additional protection. These areas shall be a minimum of 1 inch high density flame retardant foam covered with high grade color coordinated vinyl.

One (1) Notch the face of the lower left in the CPR seat area. Y\_\_N\_\_  
05-14-0550

Add a 4 inch deep recessed notch in the lower left at the CPR seat area, to allow for increased leg room and maneuverability. The notch will start just above floor cove extrusion and extend up to the top of the CPR seat lid. This area will be lined with stainless steel. This option requires minimizing the height of the wheel well housing.

One (1) CPR Seat Lid Hold-Down Y\_\_N\_\_  
05-14-0900

The CPR seat shall include (1) TriMark recessed Black latches to secure the lid when in the down position.

One (1) Seat Belt, CPR Seat - 4 Point-(Per4Max) Black, Change Notice 8- Compliant Y\_\_N\_\_  
05-14-2560 10

The CPR seat shall be equipped with a 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) "U" Barrier Bar, Padded, 6 7/8 x 7 1/2, 1.5 inch SS, CPR Seat Y\_\_N\_\_  
05-14-3900

## 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) INTERIOR STREETSIDE #4 - REAR AREA Y\_\_N\_\_  
05-15-0010 10

### 5.15 **STREETSIDE REAR AREA #4**

One (1) Cabinet - Upper Left U4, Standard Configuration- CN 10 Certified Y\_\_N\_\_  
05-15-1020

There shall be a upper left U4 cabinet with sliding polycarbonate doors with spring loaded latching handles, restocking feature with spring loaded exterior integral latch and (1) adjustable shelf. Cabinet shall be in the upper left street side rear of the module and will provide interior access only. This cabinet shall be per the size and configuration shown in the attached prints.

One (1) Cabinet -Center Left C4,12"H x Full Depth w/ Sliding Doors -CN 10 Certified Y\_\_N\_\_  
05-15-4620

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Below the upper left U4 cabinet shall be a center left C4 cabinet with sliding polycarbonate doors with spring loaded latching handles, approximately 24"H x Full Depth with (1) adjustable shelf and no restocking feature.

One (1) INTERIOR CABINETS- SQUAD BENCH AREA Y\_\_N\_\_  
05-16-0010 10

## 5.16 SQUAD BENCH AREA

One (1) *Curbside Squad Bench - Two Piece Hinged Lid* Y\_\_N\_\_  
05-16-0100

A squad bench shall be provided on the curbside of the vehicle. The bench cushions shall be 2 inch thick high density flame retardant foam, covered with high grade color coordinated vinyl. There shall be a two piece lid hinged for internal storage, and shall open to not less than 80 degrees, have pneumatic lifting supports on each side and will be held closed with positive latches. The lid shall be constructed of durable light weight materials. No wood products shall be used. The interior of the squad bench shall be completely box pan formed aluminum, sealed and painted to create a seamless interior for easy and thorough cleaning and disinfecting.

One (1) ILOS Cabinet Forward bench side with counter top and pull out drawers Y\_\_N\_\_  
05-16-0105

One (1) Install Customer Supplied Havis Base on Action Area counter Y\_\_N\_\_  
05-16-01SR

One (1) Notch the Cabinet at the rear of the Squad Bench Y\_\_N\_\_  
05-16-02SR

One (1) Restraint Belts, Squad Bench - Standard Y\_\_N\_\_  
05-16-0300 10

The manufacturer shall provide a minimum of three restraint straps on the face of the squad bench for securing a patient lying on the squad bench.

One (1) Medical Device Rail - Squad Bench Y\_\_N\_\_  
05-16-0500

An action wall Medical Device Rail system shall be installed on the streetside wall. Each side of the track will have a solid surface accent stripe to match the action wall counter. The track system to be surface mounted. The medical device rail allows for provisions for the standard Oxygen Outlet and Ceiling Light Timer.

One (1) Latches, Lids - Squad Bench Tri Mark , Standard Y\_\_N\_\_  
05-16-0600

The squad bench shall include (2) TriMark recessed black latches to secure the squad bench lids when in the down position.

One (1) Seat Belts, Squad Bench - Two 4-Point belts (Per4Max) Black- Change Notice 8- Y\_\_N\_\_  
05-16-1021 10

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The squad bench shall be equipped with two 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) Notch the face of the squad bench area. Y\_\_N\_\_  
05-16-1025

Add a 4 inch deep recessed notch in the face of the squad bench for increased leg room and maneuverability. The notch will start just above floor cove extrusion and extend up to the top of the bench lid. Each side of the notch is to 45 degree chamfer that extends back to the 4 inch deep recess. This notched area is to be lined with stainless steel. This option requires minimizing the height of the wheel well housing.

One (1) Cabinet at the rear of the bench, forward facing Y\_\_N\_\_  
05-16-12SR

One (1) Medi-Kool Micro unit Y\_\_N\_\_  
05-16-13SR

One (1) MK Micro Control Knob Location Y\_\_N\_\_  
05-16-14SR

One (1) Cabinet - Upper Squad Bench, 9"H, 72" Headroom ONLY Y\_\_N\_\_  
05-16-8400

There shall be a cabinet located above the squad bench. The cabinet will be approximately 9"H x 8-1/2"D and will be the same length as the squad bench. The cabinet shall be divided into two (2) separate sections by a fixed center divider. Each section will have 3/8" Lexan lift up doors with restocking feature and locking latches. Does not include shelves. The distance between the top of the squad bench cushion to the bottom of the cabinet cushion shall be a minimum of 43" in compliance with KKK-A-1822F requirements for head clearance.

One (1) U6 cabinet at the rear of the bench w/MedVault Y\_\_N\_\_  
05-16-84SR

Two (2) Gas Strut, Dual 20# on Frameless Door ILOS Y\_\_N\_\_  
05-16-SR04

One (1) INTERIOR - BIOHAZARD Y\_\_N\_\_  
05-17-0010 10

## 5.17 **BIOHAZARD**

One (1) *Glove Butler(s)* Y\_\_N\_\_  
05-17-2000

### **GLOVE BUTLER**

One (1) *Glove Butler (3) Total - Over Curbside Entry, Drop down Door* Y\_\_N\_\_  
05-17-2100

There shall be (3) Glove Butler II glove boxes installed above the side module entrance door inside a cabinet with drop down door and (2) locking latches. Door

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<p>One (1) 05-17-3900</p>	<p>to be <b>Kydex</b> Thermoplastic or multi-spec covered and bottom hinged to tip out for restocking. Access holes to be cut in door for glove removal. Drawer - 14" Waste and Sharps, Slide-out, Forward of Squad Bench</p>	<p>Y__N__</p>
<p>One (1) 05-17-39SR</p>	<p>The Lower left cabinet shall include a pull out drawer Forward of the CPR Seat. This will include a slide out combination Waste/Sharps storage drawer. Supplied with a 5 quart Sharps container and an 8 quart Waste container. Face of slide out drawer to be stainless steel and will include a locking latch. NOTE: Depth of drawer to 12" to allow 12" slides to give full access to the sharps and waste containers. AeroClave ADP, Ambulance Port, 8' Hose</p>	<p>Y__N__</p>
<p>One (1) 05-18-0010 10</p>	<p>INTERIOR CURBSIDE - RIGHT STACK STORAGE #8</p>	<p>Y__N__</p>
<p><b>5.18 CURBSIDE RIGHT STACK STORAGE #8</b> One (1) 05-18-0600</p>	<p><i>Right Stack - Upper Heater-A/C Unit, Standard Configuration (UM &amp; PM)</i></p>	<p>Y__N__</p>
<p>One (1) 05-18-0800</p>	<p>There shall be a heat A/C unit located at the top of the right stack/ALS cabinet. Conditioned air shall be distributed through six vents evenly spaced down the full length of the ceiling. There shall be a floor to ceiling plenum with intake vents of sufficient size to allow recirculation of the conditioned air. Right Stack - Hidden Air Intake (STANDARD)</p>	<p>Y__N__</p>
<p>One (1) 05-18-1000</p>	<p>The right stack Air Intake Chamber shall be an extension of the inboard right stack wall and will include a hidden opening at the bottom for recirculation. The air intake to be elevated from the floor to allow for cove molding and roll up flooring. Right Stack - "A" Style Standard (UM &amp; PM)</p>	<p>Y__N__</p>
<p>One (1) 05-18-100S</p>	<p>The top section of the ALS cabinet shall be for the fully enclosed Heater - A/C unit. Right Stack - "A" Style Custom</p>	<p>Y__N__</p>
<p>One (1) 05-18-9310</p>	<p>The top section of the ALS cabinet shall be for the fully enclosed Heater - A/C unit. Door - Heavy-Duty Roll-up Locking Door, ALS RF Cabinet</p>	<p>Y__N__</p>
<p>One (1) 05-19-0000</p>	<p>The lower right stack ALS cabinet shall have a heavy duty locking roll-up door. ATTENDANT SEAT</p>	<p>Y__N__</p>
<p><b>5.19 ATTENDANT SEAT</b> One (1) 05-19-0500</p>	<p><i>Seat, Attendant, EVS 1880, Child safety, Comfort, Per4Max Belt-Black</i></p>	<p>Y__N__</p>
	<p>ATTENDANT SEATING</p>	

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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. Seating must meet OSHA regulation 1910.1030. The seat belt must be certified to KKK - A1822 - E 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)  
05-19-0501

Color - Ash Gray

Y\_\_N\_\_

One (1)  
05-19-6501

Attendant's Seat Base, EVS Swivel 2 Pos

Y\_\_N\_\_

## ATTENDANT'S SEAT BASE

An EVS brand swivel 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)  
05-20-0001

INTERIOR COLORS

Y\_\_N\_\_

## 5.20 INTERIOR COLORS

One (1)  
05-20-5205

*Thermoplastic, anti-microbial, Standard Interior Finish*

Y\_\_N\_\_

The manufacturer shall install a custom Thermoplastic, anti-microbial, anti-bacterial and anti-fungal material. This material must also be impact, puncture and chemical resistant and have the same color through and through and will not discolor over a period of time. The Expansion and contraction rate between this product and aluminum must be at a similar rate to eliminate the chances of cracking and delamination.

One (1)  
05-20-5210

Thermoplastic, anti-microbial, Sterile Linen, cabinet finish

Y\_\_N\_\_

The manufacturer shall install a custom Thermoplastic, anti-microbial, anti-bacterial and anti-fungal material. This material must also be impact, puncture and chemical resistant and have the same color through and through and will not discolor over a period of time. The Expansion and contraction rate between this product and aluminum must be at a similar rate to eliminate the chances of cracking and delamination.

One (1)  
05-20-5300

Upper Band Vinyl Color - Cabinets and Stitched Cushions

Y\_\_N\_\_

UPPER BAND VINYL -The module interior upper band cabinets and cushions shall be covered a color coordinated vinyl upholstery. The upper band cushions shall be stitched in the corners only. The vinyl shall be an automotive vinyl over

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fire retardant foam. The cushions shall be backed with 10mm PVC board. Plywood or other porous materials shall not be acceptable for cushion backs.

One (1)  
05-20-5326

Color - Stratford Smoke SF-74

Y\_\_N\_\_

One (1)  
05-20-5500

Lower Band Vinyl Color - Vacuum Formed Cushions

Y\_\_N\_\_

LOWER BAND VINYL -The lower band cushions and backrests shall be thermal vacuum formed automotive vinyl over fire retardant foam. The cushions shall be backed with 10mm PVC board. Plywood or other porous materials shall not be acceptable for cushion backs. Cushions shall be attached with automotive grade Dual Lock hook and loop to make them removable for cleaning. Includes squad bench seats and back rest, CPR seat and backrest, and hip cushions.

One (1)  
05-20-5502

Color - Ash Gray

Y\_\_N\_\_

One (1)  
05-20-9850

Polycarbonate Color Choice

Y\_\_N\_\_

## CABINET DOORS AND FRAMES

The cabinets shall have doors that follow the the standards of SAE J3058 Ambulance Interior Storage Compartment Integrity.

The sliding cabinet doors shall be framed with a T6- 6063 aluminum frame with specially designed negative angled grooves for the spring latched handles to grip onto for latching. The corners of the frames shall be double keyed for stability and strength. The frame shall be gasketed to prevent intrusion of liquids into the cabinets. The sliding doors shall be made of 1/4" polycarbonate in either a clear, grey or bronze finish as specified by the end user. The tail end of the doors shall have a T6-6063 aluminum stiffener that interlocks with the mating door to give additional strength against impact. The leading handle shall be spring loaded to give a self latching function with the door frame groove to prevent the doors from inadvertently coming open. If the end user chooses to have the restocking feature, the frame will be hinged in a minimum of two locations and a seperate spring steel handle assembly shall be attached to the bottom of the cabinet to lock the frame in place when shut. This handle for unlatching and opening the restocking feature shall be accomplished without opening the sliding doors, from the outside of the cabinet.

One (1)  
05-20-9852

Polycarbonate, Clear

Y\_\_N\_\_

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One (1) MISC. INTERIOR OPTIONS Y\_\_N\_\_  
 05-21-0000

## **5.21 INTERIOR OPTIONS**

One (1) Squad Bench & Lower Left, 4 Inch Brushed Stainless Kickpanels (STANDARD) Y\_\_N\_\_  
 05-21-5000

There shall be a stainless steel kick panel on the face of the streetside lower left wall and curbside squad bench. The kick panel shall be approximately 4 inches high and shall run the full length of the squad bench and lower left wall.

One (1) Gen II (OHO) doors for the following cabinets: Y\_\_N\_\_  
 05-21-SR01

One (1) General Wiring - General Harness Standard Y\_\_N\_\_  
 06-01-0100

## **6. ELECTRICAL GENERAL**

### **6.1 GENERAL WIRING**

All added body and chassis electrical equipment shall be served by circuits separate and distinct from the chassis circuits. Wire harnesses will be built in accordance with IPC-WHMA-620 guidelines and will be compliant with KKK-A-1822F specifications. All vehicle 12VDC wiring shall be copper crosslink polyethylene GXL wiring and sized to carry 125% of the rated device load, rated to 272 degrees Fahrenheit, and conform to all SAE J1128 requirements. All splices will be soldered and covered with adhesive lined heat shrinkable tubing for a watertight seal. The wiring shall be color coded, circuit numbered, and function imprinted for identification every 6 inches and correspondence with the vehicle schematics. The harnesses shall include factory installed plugs/receptacles for standard fixture installation and for common add on type devices for easy disassembly and replacement.

The emergency lighting harness and associated cables shall be a part of the standard wiring harness, shall have the component plugs factory installed and shall not be add-on cables. The wiring shall terminate at all standard KKK-A-1822F required lighting locations. Termination points that will provide a power source for fixtures that are exposed to the elements shall include weather proof connectors.

All heavy power distribution cables shall conform to SAE J1127 and will be enclosed in braided nylon loom. These cables shall be routed separate of the main wiring harness, secured independently on the interior of the module with insulated metal cable clamps. The battery cables which will be run underbody shall be secured to the frame with cable straps and shall run unbroken from the battery location to the main power distribution.

The manufacturer shall provide coil cord cables to enable electrical devices to be installed on the side and rear entry doors. The coil cords will be secured at both ends (on the door and at the adjacent wall) with strain relief's designed to provide a effective, stable mounting point to prevent chafing and to promote the long term reliability of the function it supports.

### **6.2 WIRING CRITERIA**

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All wiring devices, switches, outlets, etc. except circuit breakers, shall be rated to carry 125% of the maximum ampere load for which the circuit is protected. A minimum 6 inch service loop of wire shall be provided at all electrical devices (lighting, 110VAC, switch panels, etc.). There shall be sufficient length for two terminal changes on components in the power distribution area. Any circuits protected below 6 amps shall use an ATC type fuse and holder. Any circuits requiring wiring larger than 10 gauge shall include crimped and soldered copper lugs.

All vehicle electrical wiring originating at any of the system operating components shall include circuit protection to sense a short and shut down the affected circuit. All circuits shall be independently wired with grounds returned to a ground buss terminal or stud. All major power distribution components shall be located in a front bulkhead cabinet or the dead space on the bulkhead side of the #1 compartment.

Any circuits requiring wiring larger than 10 gauge shall include crimped and soldered copper lugs. There shall be a minimum of (1) spare switch at the front switch panel with corresponding output located in the power distribution center. The spare output shall be designed to allow the customer to make switch controlled additions to the standard system.

The vehicle shall be equipped with magnetic proximity switches on each entry and compartment door. The switches shall be wired to activate the individual compartment lighting associated with the individual compartment switch and the door open warning light mounted in the driver's control console.

### **6.3 DOCUMENTATION**

Two complete sets of detailed wiring schematics (As Built) shall be provided for ease in trouble shooting. In addition, a detailed wire harness list shall be provided showing circuit numbers and functions. When optional electrical devices or systems are ordered, additional corresponding schematics shall accompany those options.

Located in the owners manual shall be a package of relevant electrical power distribution drawings. The drawings shall be inserted in a protective holder that shall include all of the "As Built" drawings that correspond to the specific vehicle being supplied. Generic, standard or manually modified drawings shall not be acceptable.

The manufacturer shall provide an amp load test certification. The documentation shall provide the end user with the vehicles operating load requirements and the units remaining reserve capacity.

### **6.4 HARNESS QUICK DISCONNECT**

All wiring harnesses shall be connected to the power distribution utilizing insulated type harness plugs. These plugs shall have positive locking features and will be weather resistant. Access for disconnecting the harnesses from the cab to the module shall be provided and will be readily accessible.

### **6.5 ROUTING ACCESS**

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All cabinets at ceiling level shall be equipped with a removable back panel for access to the wiring harness. The backs shall be securely attached and will be designed to facilitate access and to support noise reduction.

Module wiring harnesses shall be routed below the roof radius extrusion and will be secured to the wall tubes. Cabinet backs and cushions to be removable for easy access to the harness's.

One (1) COMMUNICATION Y\_\_N\_\_  
06-06-0000

**6.6 COMMUNICATION**

One (1) Antenna UHF/VHF - (2) Prewire, Standard Y\_\_N\_\_  
06-06-0150

The vehicle shall be equipped with two RG58AU low loss cables installed from the two-way radio cabinet to the ceiling of the module. Accessable be removing an interior light in the patient compartment ceiling. The interior light shall include an etched plastic label identifying the plate as the antenna access point. The cables shall route from the module roof to the lower section of the left stack/radio cabinet and be of sufficient length to allow routing to the cab console as an alternate radio installation location.

One (1) Camera - Exterior Back-Up, Over Rear Doors for Multi-plex Y\_\_N\_\_  
06-06-1000

**REAR CAMERA**

The vehicle shall include an Audiovox ASA color backup camera mounted on the exterior of the module over the rear doors. The camera shall be wired to turn on when the vehicle is placed in reverse. The camera shall be fed directly to the front switch panel's built in Smart Display II monitor.

One (1) Camera - Interior, Patient Monitor, Rear Header for Multi-plex Y\_\_N\_\_  
06-06-1030

**CAMERA SYSTEM - PATIENT MONITOR**

The vehicle shall include an Audiovox ASA color camera mounted interior on the rear entry door header and connected to the Smart Display II monitor on front console. Camera pointed forward to monitor patient and crew activity.

One (1) Two Way Radio Routing Path Cab to Module. (STANDARD) Y\_\_N\_\_  
06-06-1600

The vehicle shall be equipped with a wire routing path enabling the customer's radio installer to route radio cables from the radio cabinet to the chassis cab area or from the rear action area wall to the cab area. The routing path shall allow routing of radio cables with end connectors up to 2" x 3" without having to disconnect the cable/radio connector from the radio cable.

One (1) Install Customer supplied Radio Cables Y\_\_N\_\_  
06-06-16SR

One (1) Two Way Radio Prewire, 12VDC Power and Ground (STANDARD) Y\_\_N\_\_  
06-06-1700

The vehicle shall be equipped with #8 gauge Red power and Black ground wiring will be labeled appropriately for future installation by a radio technician. The Black ground wire to be connected to a main ground point, the Red power wire to

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be left unconnected near a direct to battery connection point inside the power distribution cabinet. Both wires to route to the lower section of the Left Stack/Radio Cabinet and be of sufficient length to allow routing to the Cab Console as an alternate radio installation location. Wires to be labeled at both ends.

One (1) Radio Power - (1) 8 Gauge 12VDC Power/Ground Y\_\_N\_\_  
06-06-6000

The vehicle shall be equipped with (1) additional #8 gauge power and ground wire pair. The Black ground wire to be connected to a main ground point, the Red power wire to be left unconnected near a direct to battery connection point inside the power distribution cabinet. Both wires to route to the lower section of the Left Stack/Radio Cabinet and be of sufficient length to allow routing to the Cab Console as an alternate radio installation location. Wires to be labeled at both ends

One (1) Radio Power - (3) 8 Gauge 12VDC Power/Ground Y\_\_N\_\_  
06-06-6200

The vehicle shall be equipped with (3) additional #8 gauge power and ground wire pair. The Black ground wire to be connected to a main ground point, the Red power wire to be left unconnected near a direct to battery connection point inside the power distribution cabinet. Both wires to route to the lower section of the Left Stack/Radio Cabinet and be of sufficient length to allow routing to the Cab Console as an alternate radio installation location. Wires to be labeled at both ends

One (1) Radio Power - (2) Power Post (1) Ground Post Y\_\_N\_\_  
06-06-6600

There shall be two (2) 8 gauge power and ground cables running from the power distribution area to the radio compartment. These circuits shall be wired battery hot and shall terminated in a sealed J-box mounted on the radio compartment wall.

One (1) FIRECOM Y\_\_N\_\_  
06-06-SR01

One (1) Install Customer Supplied Antennas for GPS and Opticom Y\_\_N\_\_  
06-06-SR02

One (1) RADIO AND CLOCKS Y\_\_N\_\_  
06-07-0000

One (1) Clock - Digital DDS 12/24 Hour 2.5" LED, Over Rear Doors Y\_\_N\_\_  
06-07-6000

Included with this vehicle, there shall be Digital 12/24 hour clock with 2.5" display recessed in the cushion over the rear doors. Clock is approximately 6" x 18" and displays hours, minutes and seconds in 12 hour or military time and adjusts automatically for daylight savings time. Operates on Internal memory battery.

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One (1) 07 - ELECTRICAL 12 VOLT DC Y\_\_N\_\_  
07-00-0000

One (1) Electrical System 12V - Multiplex System, International Truck Y\_\_N\_\_  
07-00-0500

**7. ELECTRICAL 12 VOLT DC**

One (1) Crct Pwr Accs.,Ign/Shrlne,1-20 amp 12VDC to 2 locs,W/O,PD9130 chrgr Y\_\_N\_\_  
07-01-0010

A circuit shall be furnished (figure 5) for charging all portable battery powered devices, i.e. suction units, hand lights, portable radios, etc. This circuit shall prevent discharge of chassis batteries by only permitting the charging of portable devices when the vehicle is either running or the optional battery conditioner is connected to shore power. Circuit breaker protection shall be provided and shall have a minimum 10 amp capacity, An additional tagged, identified lead shall be furnished in both the cab and module for connection of additional (future) portable equipment that requires recharging.

One (1) Voltmeter - Standard Y\_\_N\_\_  
07-02-1000

**7.2 VOLTMETER**

The voltmeter shall be a digital display meter accurate to + or - 2%. The display must indicate the stabilized voltage of the chassis and module batteries.

One (1) Alarm,Low Voltage,With Buzzer and Indicator,in cab console Y\_\_N\_\_  
07-02-1100

**7.2 VOLTMETER**

The electrical system shall be monitored by the system that provides an audible and visual warning in case of the low voltage to persons in the ambulance of an impending electrical system failure caused by the excessive discharge of the batteries. The charge status of the battery shall be determined by direct measurement of the battery voltage. The alarm shall sound if the system voltage at the battery drops below 11.8V for 12V nominal systems for more than 120 seconds.

One (1) Ammeter - for multiplex system Y\_\_N\_\_  
07-03-2000

**7.3. AMMETER**

A 300 amp ammeter display shall be part of a 6.4 inch color active matrix LCD TFT (thin film transistor) graphic display located in the front switch panel. Meter shall indicate the current flow to or from all batteries. If the ammeter registers a charge, the operator knows the charging system is supplying the entire electrical load and is also charging the batteries by the amount indicated by the display. If the ammeter registers a discharge, the operator knows the charging current is insufficient and the batteries are supplying a portion of the required load. With this condition, the operator can shut down some of the nonessential electrical systems or accelerate the engine to reach a balanced condition. The ammeter will have digital and bar graph displays. The text shall be a minimum of 24 point and shall change color in accordance with the amperage range. Green = the charge the batteries are receiving, Red = the discharge amount the batteries are under. Bar graph shall also change

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color. Additionally shall come equipped with an electronic hall effect sensor mounted so that the amp load on the vehicle 12 volt system can be accurately measured at the ammeter located in the driver's control console.

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) Ignition Battery Shut off Timer, 5 minute, (Standard) Y\_\_N\_\_  
07-04-5305

Program the battery shut-off circuit to remain on for approximately 5 minutes after the ignition has been shut off. Shutting off the ignition will activate a timer that will leave the batteries on for approximately five minutes.

(STANDARD)

One (1) Batteries - Type MD Configuration, (3) OEM Batteries Y\_\_N\_\_  
07-05-0500

## 7.5 BATTERIES

The ambulance conversion shall include three OEM batteries, these must be ordered with the chassis. In order to prevent premature failure due to excessive cycling during the manufacturing process, these batteries shall be installed at the end of the manufacturing process when the unit is ready for delivery.

## 7.6 BATTERY STORAGE

The ambulance batteries shall be stored in the streetside under chassis cab driver's side door. The batteries shall be mounted behind the drivers step kickpanel shall feature a removable treadplate panel for access to the batteies for servicing.

One (1) Module Disconnect - Multiplex System, Y\_\_N\_\_  
07-07-0500

## 7.7 MODULE DISCONNECT

# REV, RTC

The module disconnect shall utilize a switch located on the drivers control panel. This switch shall be used only in the event of an electrical failure or fire in the module. This shall be a safety feature only and should not be used at any other time. This switch shall disconnect the entire module electrical system with the exception of the 12V DC outlets, DOT lighting circuitry including backup alarm, the door open warning display, and the chassis circuitry. In order to prevent accidental shut-off there shall be a timing circuit that requires the button to be depressed for five seconds before it shuts off. When shut off, the front LCD display shall show graphic image depicting "Mod Power Off".

One (1) Battery Ground Y\_\_N\_\_  
07-08-0100

### 7.8 BATTERY GROUND

There shall be a total of two additional braided grounding straps besides the OEM provided chassis ground and the 3/0 battery cabling. The straps shall be braided copper with zinc coating rated at 250 amps each. There shall be two straps from the module to the chassis frame. At the frame attachment all paint must be removed and the strap attached with grade five bolts.

One (1) Battery Charger - Prewire only, 12V. (STANDARD) Y\_\_N\_\_  
07-09-6000

### 7.9 BATTERY CHARGER - PREWIRE

There shall be 110VAC wiring originating from the shore power junction box routed to the battery charger prewire area in the left stack/radio compartment. The vehicle shall be prewired for an on board battery charger installation. 12 gauge 12VDC power and ground wires shall originate in the power distribution center shall be routed to the lower left stack/radio cabinet for final connection.

One (1) Power Outlets 12V, (2) Power Point Style, Direct to Battery Y\_\_N\_\_  
07-10-1500

### 7.10 POWER OUTLETS - 12V

The patient compartment shall include two cigarette style 12VDC power outlets as standard. (1) Outlet shall be mounted on the action wall and (1) outlet shall be mounted above the top shelf in the lower section of the right front stack ALS cabinet. Outlets on this circuit shall be wired direct to battery.

One (1) (2) Additional 12V Outlets, Direct to Battery Y\_\_N\_\_  
07-10-5302

In addition to the standard 12VDC receptacles located in the module, the manufacturer shall supply and install (2) additional cigarette style 12VDC receptacles to be wired direct to battery as follows:

One (1) Outlet, Dual USB Port, 5VDC, 2.1Amp output, Standard Y\_\_N\_\_  
07-10-7200

### PORT 5 VOLT DC POWER USB STYLE

The Drivers compartment shall be furnished with a 5 volt DC, 2.1 ampere capacity, separately protected circuit, with a Dual USB outlet. It shall be located in the center console to the passenger side.

One (1) \*\*\*\*\*DO NOT DELETE THIS LINE ITEM\*\*\*\*\* Y\_\_N\_\_  
08-01-3105

# REV, RTC

## 8.1 DRIVER'S SWITCH PANEL / RADIO CONSOLE

There shall be an aluminum fabricated, vinyl covered console that is attached to the cab interior engine cover for two-way radios. This console shall provide sufficient space for the drivers control panel, electronic siren, and multiple components. The console shall be installed in such a manner that it can be quickly removed providing adequate space to remove the engine cover.

One (1) Driver's Switch Panel/Radio Console - VMUX, Custom Y\_\_N\_\_  
08-01-3105

## 8.1 DRIVER'S SWITCH PANEL / RADIO CONSOLE

There shall be an aluminum fabricated, vinyl covered console that is attached to the cab interior engine cover for two-way radios. This console shall provide sufficient space for the drivers control panel, electronic siren, and multiple components. The console shall be installed in such a manner that it can be quickly removed providing adequate space to remove the engine cover.

One (1) Driver's Control Panel - V-Mux, Touch Screen Y\_\_N\_\_  
08-02-1150

One (1) Console Mount with bezel and USB charging port. Y\_\_N\_\_  
08-02-1153

Two (2) Cab Dome Lights Red/White Y\_\_N\_\_  
08-02-11SR

One (1) Attendant's Control Panel V-MUX, Touch Screen, with bezel and USB charging port. Y\_\_N\_\_  
08-03-1150

Weldon V-MUX style "**Touchscreen Vista**" Nodes shall be provided as touchable interactive color display interfaces for the multiplexed electrical system; to indicate real-time status of doors, seats, sensors, and other components of the vehicle. The menu oriented touch interface shall allow the user to control interior and exterior vehicle lights, interior HVAC, system Diagnostics, engine High Idle, among other multiplexed functions. The Touchscreen Vista shall support vehicle cameras, GPS navigation, and DVD video, through use of four NTSC-format video channels. The Vista touch screen is protected by an ABS housing. The housing is slightly less than double-din size to fit in most OEM radio openings. The Touchscreen Vista display shall have the ability to automatically change screens based on vehicle state so as to show warning message or status. Messages will be displayed in a variety of text fonts and color graphics. Device controls will be nominally screen based, with an integrated interface with style 6311 PODS Button Modules. USB port is integrated for updating/programming display and will remain powered for USB charging abilities.

One (1) Power Distribution - Weldon V-MUX, Video Inputs (UM & PM) Y\_\_N\_\_  
08-04-6002

# REV, RTC

Weldon V-MUX style 6000 Input/Output "**Hercules**" Nodes shall be provided for the multiplexed electrical system; with a durable extruded aluminum enclosure, sealed Deutsch connectors, (16) switch inputs, (3) analog sensor inputs, (26) output channels, dual A & B communication ports, and built in LED status indicators . The Hercules node shall be capable of carrying up to 120 amps of load at high temperatures, be field programmable, and support complete on-board diagnostics.

One (1) Joystick Control - Weldon V-MUX with quick buttons Y\_\_N\_\_  
08-04-6020

One (1) Clipboard/Mapbox, (3) Dividers Y\_\_N\_\_  
08-05-5100

Mounted on the floor of the cab, there shall be a clipboard and map box storage with adjustable dividers. The box shall be easily removable for cleaning.

One (1) EMERGENCY SYSTEMS - International Trucks Y\_\_N\_\_  
09-00-0500

## **9. EMERGENCY SYSTEMS**

One (1) Siren Electronic - Whelen 295SLSA1 Y\_\_N\_\_  
09-03-1010

### **9.3 WARNING AUDIBLE - SIREN, SPEAKERS, AIR HORNS**

The ambulance shall be equipped with a Whelen #295SLSA1 "Self Diagnostic", non-remote siren, with NC microphone. The siren shall be ignition powered and will provide hands free control feature that allows switching between three siren modes and siren off from the horn ring. Siren mode choices are user programmable from 17 different Scan-Lock siren tones. Includes remote Siren/Horn switch on drivers control panel.

One (1) Speakers - (2) CPI "Though-The-Bumper" for Navistar Y\_\_N\_\_  
09-03-2210

The vehicle shall come equipped with Cast Products #SAP/D4318-08INT-1 polished aluminum speakers recessed in the OEM front bumper ends.

One (1) Siren Electronic, Additional - Whelen 'Howler', International Y\_\_N\_\_  
09-03-403S

The vehicle shall be equipped with a Whelen 'Howler' low frequency siren speaker system installed behind the OEM bumper. A momentary 'Aux Siren' switch and a 'Siren Brake' switch shall be installed.

One (1) Momentary Air Horn Switch ILOS Y\_\_N\_\_  
09-03-40SR

One (1) Backup Alarm (STANDARD) Y\_\_N\_\_  
09-05-0200

### **9.5 BACKUP ALARM**

The vehicle shall be equipped with an electric back-up alarm that will produce a minimum of 97 decibels. A momentary cut-off switch with automatic reset feature will be provided.

One (1) Emergency Sequencer/Load Manager (STANDARD) Y\_\_N\_\_  
09-06-0200

# REV, RTC

## 9.6 **EMERGENCY SEQUENCER / LOAD MANAGER**

The emergency light switching system shall incorporate a built in sequencer that turns on and off the emergency loads at one/half second intervals. A built in electrical load manager will be preprogrammed to shut down pre-selected and/or non-essential loads in priority order as needed to maintain sufficient charge in the 12VDC system.

One (1) AUXILLARY EMERGENCY LIGHTS Y\_\_N\_\_  
09-70-0000

One (1) Warning Light Flasher - Vanner 9860GCPE - (STANDARD) PC System Only Y\_\_N\_\_  
09-80-2110

## 9.8 **WARNING VISUAL - FLASHER**

The vehicle shall be equipped with a Whelen model AFM1660 KKK-E certified Halogen/LED and LED only flashers with Scan-Lock™ flash pattern control, and illuminated status indicator light. Two wire design 16 outlet halogen, LED or Super-LED® ambulance flasher. Each outlet will operate up to a 65 watt lamp (5 amps). Short circuit and thermal protected. For interior use only. AMP Mate-N-Lok® connectors.

One (1) Emergency Flashers Set to - KKK-A-1822F Flash Pattern (STANDARD) Y\_\_N\_\_  
09-80-3300

### **WARNING VISUAL - FLASH PATTERN**

The vehicles emergency flashers shall flash in a KKK-A-1822F Flash pattern.

#### Primary Mode:

(8) Red module corner flashers and rear center Amber flasher to flash opposite of the grill and intersection lights.

#### Secondary Mode:

(8) Red module corner flashers and rear center Amber only.

One (1) Warning Lights, Secondary Mode in Park/Neutral Y\_\_N\_\_  
09-80-6000

One (1) Whelen M9 LED, w/Chrome Flange LED - WHITE (Internal Flasher) Y\_\_N\_\_  
09-95-1504 10

This light shall be a Whelen M9 Series with white super-LED with chrome flange and internal flasher. The lens color shall be clear.

Four (4) Whelen M9 LED, w/Chrome Flange - RED / Clear Lens (Internal Flasher) Y\_\_N\_\_  
09-95-1505

This light shall be a Whelen M9 Series with red super-LED with chrome flange and internal flasher. The lens color shall be clear.

Two (2) Whelen M9 LED, w/Chrome Flange - AMBER / Clear Lens (Internal Flasher) Y\_\_N\_\_  
09-95-1507 10

This light shall be a Whelen M9 Series with amber super-LED with chrome flange and internal flasher. The lens color shall be clear.

Four (4) Whelen M7 LED - RED, Clear Lens (Internal Flasher) Y\_\_N\_\_

# REV, RTC

09-95-2405

This light shall be a Whelen M7 series Super LED light with an internal flasher. The LED color shall be red and the lens shall be clear.

Four (4) Whelen M7 LED - RED, Clear Lens (Internal Flasher)

Y\_\_N\_\_

09-95-2405 10

This light shall be a Whelen M7 series Super LED light with an internal flasher. The LED color shall be red and the lens shall be clear.

One (1) Whelen M7 LED - AMBER , Clear Lens (Internal Flasher)

Y\_\_N\_\_

09-95-2407 10

This light shall be a Whelen M7 series Super LED light with an internal flasher. The LED color shall be amber and the lens shall be clear.

One (1) Backing Plates for M7 Grille, Pair

Y\_\_N\_\_

09-95-24SR

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) Tail Lights, Brake/Turn - Whelen M6-Series LED,

Y\_\_N\_\_

10-01-1050

The rear lights shall be Whelen M6 Series LED brake/tail and amber turn signals with arrow. These lights shall have chrome trim rings (Picked Separately) and be mounted vertically above the rear diamond plate area.

One (1) Back-up Lights - Whelen M6-Series LED Rear,

Y\_\_N\_\_

10-01-1240

*The rear of the module shall be equipped with Whelen M6BUW LED back-up lights.*

One (1) Marker/Clearance Lights, Front - Whelen OS Mini LED, Amber

Y\_\_N\_\_

10-01-2010

The front of the module shall have (5) amber clearance lights. The clearance lights shall be Whelen OS Mini with chrome flanges.

One (1) Marker/Clearance Lights, Side and Rear - Whelen OS Mini LED, Red/Amber

Y\_\_N\_\_

10-01-2110

The side body marker lights and rear clearance lights shall be Whelen OS Mini LED type. There shall be (2) Amber mounted at the forward end of each side module roof extrusion, (2) Red mounted at the rearward end of each side module roof extrusion and (5) Red mounted in the rear module roof extrusion. In addition there shall be (2) Red marker lights on each side in the midline of the body at the rear. (1) On each side shall function as a marker light and (1) will function as a turn signal.

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One (1) Rear Tail/Turn/Brake Light Mounting - Must choose mounting flanges Y\_\_N\_\_  
 10-01-3000

Six (6) Chrome Flange,(1) Whelen M6 (Standard M6) Y\_\_N\_\_  
 10-01-3002

One (1) Outboard Rear Flashers, Wired to OEM Brake Lights (STANDARD) Y\_\_N\_\_  
 10-01-5020

The outboard rear emergency flashers shall be wired to the OEM brake lights. These lights shall NOT function as brake lights when Emergency Flashers are on.

One (1) Scene Lighting - (4) Whelen M9 Series Super LED Y\_\_N\_\_  
 10-02-1020

## **10.2 LIGHTING - SCENE**

There shall be a total of four Whelen M9 Linear Super LED scene lights with chrome trim ring mounted two streetside and two curbside. The light housing shall be flush mounted and incorporate an optic lens that redirects the light at the specified angles.

One (1) Relocate the the uppser curbside forward scene light. Y\_\_N\_\_  
 10-02-10SR

Two (2) Rear Load Lights - (2) Whelen M7 Series Super LED, Gradient Scene Light Y\_\_N\_\_  
 10-02-2040

## **LIGHTING - REAR LOADING**

The unit shall be equipped with (2) Whelen Model M7 Super LED, 12 diode gradient scene lights over the rear module entry doors.

One (1) Lighting Operation - Side Scene, Rear Load and Back-Up Lights, Standard Y\_\_N\_\_  
 10-02-3010

The electrical system shall be wired so that the rear module load lights and the lower back-up lights will operate when the rear doors are open, the switch on the front panel is activated, or when the vehicle is placed in reverse. With the module power switch "off", both the lower back-up lights and the upper load lights will operate when the vehicle is placed in reverse. The curbside scene lights will operate when the curbside door is opened.

One (1) Lighting Operation, Feature - Scene lights to alternate flash with warning light Y\_\_N\_\_  
 10-02-3400

Module side scene lights are to alternate flash with module side upper warning lights.

One (1) Cab Entry - Lighting Y\_\_N\_\_  
 10-02-8000

One (1) INTERIOR LIGHTING - CEILING Y\_\_N\_\_  
 11-01-0100

One (1) Dome Lights - (11) Kinequipe 8" Round LED Y\_\_N\_\_  
 11-01-1400

## **11.1 LIGHTING - INTERIOR DOME**

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The interior lighting system shall consist of (11) Kinequipe 8" Round LED Dome Lights fixtures in the following configuration:

- (3) Cot lights In the medical device rail over the primary cot
- (2) Bench lights over the squad bench
- (3) Dome lights Streetside
- (1) Dome light Curbside over head of squad bench
- (1) Dome light Curbside rear
- (1) Dome Light over the walkway

The four outside corner lights and the (1) light over the CPR seat area and the (1) over the walkway shall be designated module dome lights and be activated when the side or rear module entrance doors are opened or by a three-way circuit allowing these lights to be turned on and off from cab or module. The lights over the primary cot and squad bench shall have switches in the module that will allow independent high/low/off control. The lights shall produce at least 35 foot candles of light over ninety percent of the cot surface area in the high setting.

One (1) Timer -15 minute- Restocking (STANDARD) Y\_\_N\_\_  
 11-01-9000

***LIGHTING - TIMER***

The vehicle shall be equipped with a momentary switch that will activate a fifteen minute timer, wired direct to battery, to allow operation of the module dome lights while the vehicle is off. This feature will enable personnel to clean and restock the vehicle, but eliminates the risk of leaving the lights on and draining the batteries. The momentary switch shall be located on the curbside wall near the side entrance door.

One (1) SPOTLIGHTS / HANDHELD LIGHTS Y\_\_N\_\_  
 11-02-0000

One (1) Handheld Spotlight - Sho-Me 200,000 CP Y\_\_N\_\_  
 11-02-1000

***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) Attendant Light - 6" x 14" Diffusion Plate Light (Standard) Y\_\_N\_\_  
 11-03-1010

***11.3 LIGHTING - ATTENDANT***

The action wall area shall be illuminated by a surface mount 12V "Luminous Diffusion Plate" LED light fixture. This fixture shall be low Profile, not to exceed 1/2" in height from the mounting surface and shall provide high quality diffused light equal to or greater than the typical 18" fluorescent fixtures common to this application.

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One (1) SHORELINE INLET Y\_\_N\_\_  
 12-01-0000

**12.1 125 VOLT AC SHORELINE INLET**

One (1) Shore Inlet - Kussmaul Super Auto-Eject, 20Amp Y\_\_N\_\_  
 12-01-5400

**12.1 SHORE INLET**

This vehicle shall be equipped with a 20 AMP/125 VAC Kussmaul Super Auto-Eject shoreline inlet with a matching female connector. It shall include a 20 amp GFI circuit breaker.

One (1) Kussmaul, Eject,Cover,15 or 20A,White Y\_\_N\_\_  
 12-01-6200

Two (2) Shore Indicator, "ON" BLUE Marker Light Y\_\_N\_\_  
 12-01-8700

There shall be an Amber LED marker light installed above the shore power inlet. This light is to be wired after the GFI breaker to indicate shore power is 'ON' and breaker has not tripped.

One (1) Receptacles, Interior - 125V-15A (1) Action Wall, (1) Right Stack Y\_\_N\_\_  
 12-02-0200

**12.2 INTERIOR 110VAC - RECEPTACLES**

There shall be two 125VAC 2-wire plus ground illuminated 15 amp duplex outlets, one located on the action area wall, and one in the right front stack ALS cabinet. The outlet in the ALS cabinet shall be located on the inboard wall of the lower section, above the top shelf. All 125VAC outlets shall be hospital grade. Wiring shall be Type SO rubber cord with spit loom cover and all connections shall be made in UL approved junction boxes.

One (1) Receptacles, Interior - (1) Additional 125V-15A, Action Area Wall Y\_\_N\_\_  
 12-02-2050

There shall be one additional 125VAC 2-wire plus ground illuminated 15 amp duplex outlet on the streetside action area wall.

One (1) Receptacles, Interior - (1) Additional 125V-15A, Upper Right Stack Y\_\_N\_\_  
 12-02-2051

There shall be one additional 125VAC 2-wire plus ground illuminated 15 amp duplex outlet on the back wall at the top of the right stack.

One (1) POWER SUPPLY - 125VAC Y\_\_N\_\_  
 12-03-0000

One (1) Inverter Charger - Vanner 1050W, Indicator on Console Y\_\_N\_\_  
 12-03-1110

**INVERTER CHARGER**

The vehicle shall be equipped with a Vanner 'UL' listed 1050 watt inverter/55 amp battery charger #20-1050CUL with internal transfer relay. This system includes a battery charger indicator mounted on driver side of the radio console.

One (1) 13 - ENVIRONMENTAL SYSTEMS Y\_\_N\_\_  
 13-00-0000

**13. ENVIRONMENTAL SYSTEMS**

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One (1) 13-01-0000	<i>ENVIROMENTAL CLIMATE CONTROL SYSTEM</i>	Y__N__
One (1) 13-01-12SR	<i>HVAC - Direct Discharge, ILOS (UM)</i>	Y__N__
One (1) 13-02-0000	<i>AUXILIARY ENVIRONMENTAL SYSTEMS</i>	Y__N__
One (1) 13-02-0100	<i>Exhaust Fan - 100 CFM Standard Location</i>	Y__N__
	The patient compartment shall include a 100CFM, high output (2) speed exhaust fan and exhaust cowl vent installed on the rear of the module on the streetside rear panel.	
One (1) 13-02-54SR	HVAC Aux Front Wall COOLBAR - Hoseline, International MULTIPLEX	Y__N__
One (1) 13-02-56SR	2 year warranty on the rear HVAC system - unlimited mileage	Y__N__
One (1) 13-02-5700	HVAC FRONT WALL COOLBAR COVER-HOSELINE	Y__N__
One (1) 13-02-5701	Cover,Cool Bar,(5) 900 series lights,Halogen or SLED	Y__N__
One (1) 13-03-1000	Return Air System	Y__N__
<b>13.3 RETURN AIR SYSTEM</b>		

The air return intake shall not be less than 50 square inches. This return system shall allow the existing air in the module to be recirculated back through the heat A/C unit, thus allowing faster cooling or heating of the module environment.

One (1) 13-03-2000	Return Air Central Plenum	Y__N__
	To achieve true air recirculation in the module, return air to the system shall be supplied through a return air duct built into the inboard wall of the right front ALS cabinet and will include a hidden opening at the bottom. The air intake to be elevated from the floor to allow for cove molding and roll up flooring.	
One (1) 13-03-3000	Heat /AC Cabinet	Y__N__
	The heater-A/C evaporator unit shall be stored in a self contained cabinet at the top of the bulkhead. It shall be sealed so the intake can only draw from the return air duct.	
One (1)	14 - MEDICAL SYSTEMS	Y__N__

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14-00-0000

## **14. MEDICAL SYSTEMS**

One (1) COT MOUNTING PROVISIONS  
14-01-1000

Y\_\_N\_\_

One (1) Cot Mounting - Hardware  
14-01-1010

Y\_\_N\_\_

### **14.1 COT MOUNTING HARDWARE**

The manufacturer shall install a cot mounting system that incorporates cast housings mounted below the floor level to prevent fluid contamination and to prevent exhaust fumes from entering the module through the floor.

The manufacturer shall install 1/4 inch plates below the floor to accept the mounting of the cot plates. Cot plates will be mounted with the cot manufacturer's approved bolts and torque settings.

One (1) Post & Wheel Cups - None (STANDARD)  
14-01-1110

Y\_\_N\_\_

The manufacturer shall provide cushions on the squad bench that are full width and length of the squad bench lids. There will be no cut-outs for post and wheel cups.

One (1) Stryker Power Load, No Wheel guide - Change Notice 8- COMPLIANT  
14-01-1623

Y\_\_N\_\_

Install a **Stryker** #6390 Power-LOAD system. Includes battery hot power source to keep the batteries charged.

One (1) Center Mount  
14-01-3097

Y\_\_N\_\_

One (1) OXYGEN AND AIR SYSTEMS  
14-02-0000

Y\_\_N\_\_

One (1) Oxygen System - VMUX  
14-02-0100

Y\_\_N\_\_

### **14.2 OXYGEN AND AIR SYSTEM**

The entire oxygen system shall be assembled with certified O2 hose (250 PSI burst strength), stainless steel tees and stainless steel permanent crimps, that are accessible throughout the module. All O2 hose running throughout the module shall also be encased in a flexible plastic loom for additional protection from chafing. To provide strain relief and protect low pressure O2 line from damage during bottle changes, the line shall be mounted securely to the wall above the O2 bottle. The system shall be pressure tested in accordance with AMD standard 015, and a signed inspection sticker shall be in plain view of the attendant.

The oxygen supply system shall be installed in the patient compartment in compliance with KKK-A-1822F. Unless otherwise specified, the system shall consist of three Ohio style oxygen outlets. Two outlets shall be located on the action wall and one outlet shall be located on the forward end of the curb side wall above the

# REV, RTC

squad bench. This system shall be set up so a change in outlet style is readily made by just removing the front plate, thereby not compromising integrity of the system with field changes.

Built into the rear switch panel shall be a high pressure oxygen monitoring system. The rear panel shall display tank pressure in PSI. When the front switch panel includes an display screen, the screen shall also display tank pressure in PSI and give a visual and audible warning when tank pressure drops below 500 PSI. Included with the system shall be a 50 PSI regulator. To provide strain relief and protect low pressure O2 line from damage during bottle changes, the regulator shall be mounted to a fixed aluminum diamond plate panel above the O2 bottle. A high pressure braided stainless steel hose shall connect the wall mounted regulator to the O2 bottle.

One (1) O2 Cylinder Wrench - (STANDARD) Y\_\_N\_\_  
 14-02-1000

The O2 compartment shall be equipped with a large cylinder changing wrench #5082 secured to the wall with a cable in a location convenient to the oxygen cylinder.

One (1) O2 Cylinder Lift - Zico 'OTS' Electric with Multiversal Rack, (UltraMedic) Y\_\_N\_\_  
 14-02-2220

The vehicle shall be equipped with a Zico "OTS" (Oxygen Tank System) electric lift with QR-MV style oxygen tank bracket in compartment #1. The bracket will accommodate a steel or aluminum "M", "G", "H", or "K Cylinder. The system shall include a remote "Up/Down" control switch for lowering the oxygen cylinder to ground level to facilitate replacement. There shall be a holder mounted inside the compartment for storing the control switch.

One (1) O2 Control - Electric with Manual Bypass on Action Wall. (STANDARD) Y\_\_N\_\_  
 14-02-3000

The vehicle shall be equipped with an electric O2 solenoid valve to turn the 50 P.S.I. supply to the oxygen outlets on and off. The valve shall be controlled by an "On/Off" switch located on the rear switch panel. The valve shall also provide a manual by-pass feature for emergency use in the event that power to the solenoid is interrupted.

One (1) O2 Outlets - Ohio Style, (2) Action Wall, (1) Squad Bench (STANDARD) Y\_\_N\_\_  
 14-02-4000

The oxygen supply system shall be installed in the patient compartment in compliance with KKK-A-1822E. Unless otherwise specified, the system shall provide three Ohio style oxygen outlets. Two outlets shall be located on the action wall and one outlet shall be located on the forward end of the curb side wall above the squad bench. This system shall be set up so a change in outlet style is readily made by just removing the front plate, thereby not compromising integrity of the system with field changes.

One (1) O2 Outlet - Relocate (1) Curbside wall Outlet to Ceiling Y\_\_N\_\_  
 14-02-4110

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The standard action wall O2 outlets shall be relocated to customer specified locations.

Two (2) O2 Cylinder Holder - (1) Zico QR-D-2 Strapless "D" Bracket Y\_\_N\_\_  
 14-02-6150

Unit shall be supplied with one Zico QR-D-2 Strapless "D" Bracket mounted in specified location.

One (1) SCBA, (2) Brackets Installed - Inside Vehicle - NFPA Compliant,Zico #ULLH Y\_\_N\_\_  
 14-02-9040

### SCBA BRACKETS

The vehicle shall be equipped with (2) NFPA 1901-04 Compliant walkaway SCBA brackets in specified location.

One (1) VACUUM SYSTEM Y\_\_N\_\_  
 14-03-0000

One (1) Suction System - SSCOR On-Board (STANDARD) Y\_\_N\_\_  
 14-03-1010

### 14.3 SUCTION SYSTEM

A Lexan mounting bracket for a 1200 CC disposable suction canister shall be mounted on the action area wall. The suction pump shall be piped to an SSCOR regulator that is mounted on the action wall near the suction canister. The regulator shall be complete with indicator gauge shall be plumbed directly to the suction canister. A suction canister and a 72 inch patient suction tube with a plastic suction tip shall also be supplied with the system.

The control switch for this system will be mounted in the action area switch panel. The system shall include a suction pump mounted in the dead space of exterior compartment #1.

One (1) MISC MEDICAL Y\_\_N\_\_  
 14-04-0000

One (1) Fire Extinguisher - 5# (ABC) w/ Mounting Bracket. (STANDARD) Y\_\_N\_\_  
 14-04-1000

### 14.4 FIRE EXTINGUISHER

The manufacturer shall supply one (1) 5# (ABC) Fire extinguisher with mounting bracket. The fire extinguisher shall be shipped loose with the vehicle.

One (1) Fire Extinguisher, (1) Additional - 5# Fire Extinguisher(s), Ship Loose Y\_\_N\_\_  
 14-04-1010

The manufacturer shall ship one (1) additional 5# fire extinguisher with matching mounting bracket with the ambulance. There will be a total of two (2) 5# fire extinguishers with brackets.

One (1) Install Customer supplied Lifepak 15 Y\_\_N\_\_  
 14-04-SR01

One (1) PAINT AND FINISH Y\_\_N\_\_  
 15-00-0001

# REV, RTC

One (1) Road Rescue Paint Process - Standard  
15-00-0100

Y\_\_N\_\_

## **15.0 PAINT AND FINISH**

The primer, paint and paint finishing materials utilized by the manufacturer shall be components of the Akzo Nobel "Sikkens" Paint System. In order to ensure system process integrity and full warranty coverage, the entire body process from body preparation to final sand, buff and glaze shall be a process that is designed and approved by Akzo Nobel for the manufacturer.

As a standard part of the manufacturer's paint system process the following process shall be adhered to:

### ***BODY PREP***

- All surface body welds and imperfections shall be ground flush and body filled as needed to provide a smooth even surface that facilitates a flat smooth paint finish.
- The entire exterior surface of the module shall be sanded with a minimum 180 grit sand paper and then washed to provide a clean, unblemished surface prior to the chemical wash process.
- Apply Akzo-Nobel Acid Aldine 5700 series to the entire exterior body and doors.
- The entire exterior surface of the module shall be washed with M-600 cleaner/degreaser to remove any metal, oil or contaminant residue prior to the application of the seam seal process.
- All seams shall be caulked with a high quality seam sealer and then allowed to cure for 24 hours to provide a stable application environment for the primer and final paint processes.

All of the module entry and compartment doors shall be removed prior to painting and be painted separately and identically to the module process to insure complete coverage and electrolysis protection between the stainless steel hinge and the aluminum door and frame surfaces.

### ***PRIMER***

The entire exterior surface of the module shall be coated with a primary application of Akzo Nobel "Sikkens" High Build Autocoat BT LV262 Epoxy Primer surface, the module will then be baked dry at 140 degrees Fahrenheit substrate temperature for 45 minutes to one hour. The High Builder Urethane primer surface shall be sanded to a flat smooth finish to eliminate all nibs and imperfections in the substrate using a minimum of 320 grit sandpaper. The module will then be inspected and imperfection that are found the proper corrective action will be taken.

The entire module will then be thoroughly blown and wiped to remove all dust particles left over from the sanding process. The module will then be cleaned and degreased again using the M-600 surface cleaner to ensure a clean surface before applying the final sealer, Color, and Clearcoat. The entire area to be coated with the Urethane Sealer will be thoroughly tacked using a Tack Rag to remove any particulates before the coating process begins.



# REV, RTC

The lower half of the module and cab shall be a different color than the upper half. This option includes painting of door jambs on cab and module. All paint edges shall have black reflective pinstripe applied. The purchaser shall provide Sikkens paint codes prior to award of contract.

The exterior color shall be:

One (1) Cab Paint - Single Color, OEM White Y\_\_N\_\_  
15-01-5000

## **CHASSIS CAB - PAINT FINISH COLOR**

Standard OEM White

One (1) Upper Paint Color Y\_\_N\_\_  
15-01-9810

Lower Paint Color

One (1) Lower Paint Color Y\_\_N\_\_  
15-01-9820

## **GRAPHICS AND LETTERING**

One (1) GRAPHICS AND LETTERING Y\_\_N\_\_  
15-02-8000

Install 32" Roof Star of Life

One (1) Install 32" Roof Star of Life Y\_\_N\_\_  
15-02-80SR

Chevron Striping - Entire Rear

One (1) Chevron Striping - Entire Rear Y\_\_N\_\_  
15-02-8300

## **REAR CHEVRON**

The rear of the vehicle shall be marked with a reflective chevron stripe design. The stripes shall be 6" reflective material in alternating colors. The chevron pattern stripes shall slant downward on both sides of the vehicle at an angle of 45 degrees, pointing in the direction of the bottom rear corners of the tailboard. The pattern shall resemble an inverted V with the point of the V at the top center of the apparatus. The chevron pattern shall cover the entire rear of the vehicle including rear facing corner panels, rear doors, and rear door header.

One (1) Material - 6" Diamond Grade - Specify Colors Y\_\_N\_\_  
15-02-8306

Graphics

One (1) Graphics Y\_\_N\_\_  
15-02-85SR

RR Badge Logos (STANDARD)

One (1) RR Badge Logos (STANDARD) Y\_\_N\_\_  
15-03-3900

### **15.3 GRAPHICS AND LETTERING**

Manufacturer Logo badge. Install (1) on the rear module streetside wall above the treadbrite area.

One (1) RR Logos and Model Name (STANDARD) Y\_\_N\_\_  
15-03-4000

# REV, RTC

As a standard part of the manufacturer's production process, logos shall be applied to the following locations:

One (1) Ultramedic - Black Logos Y\_\_N\_\_  
15-03-4001

- (3) White Scotchlite RR Logos: (1) on each entry door lock box.
- (2) Black Scotchlite RR Logos: (1) on each cab fender just below the "A" pillar.
- (2) Black Scotchal "Ultramedic" Logo: (1) each on the #4 and #6 compartment doors.
- (1) Road Rescue Badge: Installed just above the rear diamond plate wrap on the driver side.

One (1) Nomenclature Plaques. DIESEL. (STANDARD) Y\_\_N\_\_  
15-04-1000

The following labels and placards shall be provided as with this vehicle.

- SHORE INLET 110VAC 60 HZ
- ANTENNA ACCESS
- 110VAC OUTLET
- 12VDC OULET
- DIESEL ONLY
- NO SMOKING / OXYGEN EQUIPPED
- FASTEN SEAT BELTS

One (1) 16 - REFERENCES AND STANDARDS Y\_\_N\_\_  
16-00-0000

## **16. REFERENCES AND STANDARDS**

One (1) Owner's Manual (STANDARD) Y\_\_N\_\_  
16-01-0200

### **OWNERS MANUAL**

An Owner's Manual is provided with each vehicle, and consists of the following items:

1. Chassis Warranty Card & Owner's Information
2. Chassis Maintenance and Operating Tips
3. Extra Set of Keys
4. Limited Lifetime Module Warranty- Defined as 25 years
5. 2 Year/30,000 mile Conversion Warranty
6. 7 Year Electrical Warranty
7. Care and Maintenance Instruction
8. Module Remounting Procedure
9. Heater/AC Information & Warranty
10. OEM Chassis Manual
11. Schematics for Standard Systems:
  - Charging System
  - Power Distribution
  - Front Switch Panel

# REV, RTC

- Rear Switch Panel
- Climate Control System
- OEM Drawings
- Wire Harness list
- Circuit Diagrams for all Systems

12. Conversion Component Information

13. Operations Manual

14. Warranty and Parts List - Siren, Light bar, Etc.

One (1) == Dealer Provided - EMS Equipment - 1.020 12/09/20 ==

Y\_\_N\_\_