



# Quotation Summary

10219 - NERV Stock Type I F550 4X4 Diesel Chief 2026-04-21 15-05-00

**Opportunity:** NERV Stock Type I Chief XL FYQ1 2026

**Account:** North Eastern Rescue Vehicles, Inc.

<i>Name</i>	<i>Specifications</i>
Chief XL Type I	-72" Headroom -169"L Full Seam Welded Module





## Sales Options by Category

### Braun - KKK Change Notice

#### Description

**BIDDER IS KKK-A-1822F AMENDMENT 1 COMPLIANT**

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**KKK-A-1822F COMPLIANCE PACKAGE**

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

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### Braun - Chassis

#### Description

**(INACTIVE) TYPE I - AMBULANCE - CHIEF XL I FORD - 72 INCH INTERIOR HEADROOM**

2025 Chief XL Type I - 169" Module - 72" Interior Headroom. Manufactured in Van Wert, Ohio, USA.

**CHASSIS - FORD F550 193" WB 4X4 DRW (108 C.A.) DIESEL ENGINE**

FORD F550 CHASSIS CAB, 193" WB 4X4 DRW (108" C.A.)

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**ENGINE BLOCK HEATER - OEM PLUG**

An engine block heater shall be included in the chassis with the 125 VAC power cord.

**HEAT SHIELDS, PROTECTIVE**

Install: aluminized steel protective heat shields to the upper laterals above the exhaust system.

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**HIGH IDLE SYSTEM - B**

A high-idle module will be added to the chassis. The high idle will be engaged automatically by the M-Tech system when all chassis parameters are met. Chassis parameters include but not limited to vehicle in park, service brake not depressed, accelerator not depressed, parking brake set and battery voltage. High-idle may also be



activated by the M-Tech heat or A/C. FORD F-SERIES ONLY: A high-idle/parking brake module will be added to the chassis. The chassis parking brake signal will also be provided by this module.

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**SUSPENSION - LIQUID SPRING TYPE I**

Install: Liquid Spring

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**BATTERY - TWO SYSTEM - F SERIES CHASSIS**

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

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**FLOOR CONSOLE F450/F550 STANDARD CONSOLE - ALUMINUM**

PLEASE NOTE: Console drawings are for reference only and do not include all features depicted on the drawings. All consoles shall be designed, priced, and approved internally to allow for accurate BOM pricing. The prices shown are estimated for general budget pricing only and pricing is subject to design; must contact manufacturer for pricing validation.

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**BACKUP ALARM**

Install: (OSHA approved) back up alarm with a disable control for silent backing, located on the MCC (master control console).

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**RUNNING BOARDS - STAR PUNCHED DIAMOND PLATE**

Aluminum diamond plate running boards with a star punched non-skid surface shall be provided on the cab. The running boards shall be dip anodized after they are formed to retain finish and increase corrosion resistance.

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**LIGHTS RUNNING BOARD - WHELEN 2 inch round-LED**

Install: (1) pair of Whelen white TOCACCCR LED lights with black grommets, (1) each side, low on the module front, as running board lights, activated with the cab door switches. per dwg # 1 (Braun part #18105 Light and #18106 Grommet).

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**MIRRORS, EXT OEM MANUAL TELESCOPING W/ REMOTE & HEAT**

The chassis shall have OEM manual telescoping, folding trailer tow mirrors with power/heated glass, heated convex spotter mirror, integrated clearance lamps/turn signals.

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**OEM AUTO-LOCK W/ AUTO UN-LOCK (cab and module doors auto unlock in park)**

All cab and module doors shall automatically lock when vehicle is placed in drive and reaches 12 mph. All doors shall automatically unlock when vehicle is placed in park.

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

A Whelen 295-HFSA7 remote dual siren amplifier shall be flush-mounted in the master control console located in the cab. The siren shall be capable of hands-free operation and shall be equipped with a noise canceling microphone. (Meets CA Title 13)

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**SIREN SPEAKERS, CAST PRODUCTS - IN FRONT BUMPER**

Install: Two (2) Cast Products - 100-watt siren speakers, shall be installed in outer ends of the front bumper (or to accommodate chassis options).

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**SPOTLIGHT - HAND-HELD - SHOWME PAR36**



Install: (1) 12 VDC 06.0600.CLP hand-held LED spotlight, 2000 Lumens with 9-3W LED's, 6 foot coil cord and momentary switch shall be provided, spotlight hard wired to the cab master control console, black ABS vacuum-formed spotlight holder shall be shipped loose with ambulance.

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**WHEELS, FORGED POLISHED ALUMINUM - 19.5 - F450/550 193" WB**

Forged, polished aluminum wheels shall be provided, to include bright hub covers and center ornaments and valve stem extensions.

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**Braun - Electrical**

*Description*

**Install a traffic advisor pre-wire.**

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**ELECTRICAL SYSTEM - MICRO PROCESSOR BASED**

Install: Microprocessor based multiplex system.

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**ELECTRICAL CIRCUITS**

All electrical circuits: shall have wiring and circuit protection suitable to the demand and must meet the national electric code (NEC) wiring requirements, added on wiring (18 GA through 10 GA) color coded and stamped with code numbers for easy identification, SLX high temperature thermoplastic cross link wire used. SGX insulated cable used for all under hood / underbody battery and charging system cable. High temperature (375° f) thermoplastic loom used on all harnesses.

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**ELECTRICAL COMPARTMENT (PDQ) - MULTIPLEX ELECTRICAL SYSTEM**

Electrical compartment / hinged door w/ (2) chrome locking lever latches/ located on the partition wall behind the attendant seat.

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**FLASHING HEADLIGHTS - MULTIPLEX ELECTRICAL SYSTEM**

Headlights (high beams) shall be programmed through the multiplex system to alternate flash (wig-wag).

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**GROUND FAULT CIRCUIT INTERRUPTER-GFCI**

Install: A 125 VAC, 20 AMP circuit breaker with ground fault circuit interrupter (GFCI) electronic ground leakage detection in the load center for the shoreline circuit.

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**MODULE DISCONNECT - MULTIPLEX ELECTRICAL SYSTEM**

Install: Disconnect to keep the system power engaged after the ignition is switched to the "off" position.

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**REVERSE -TRANSMISSION- FUNCTIONS - MULTIPLEX ELECTRICAL SYSTEM**

System programmed to provide activation for: rear outboard warning lights, rear side warning lights, rear scene lights, the rear side scene lights - when the transmission selector lever is placed into "reverse" position.

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**SPARE CIRCUIT - MULTIPLEX ELECTRICAL SYSTEM**

Provide (1) spare 15-amp circuit.

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**WIRING HARNESS CONNECTORS - MULTIPLEX ELECTRICAL SYSTEM**



Connect all wiring harnesses via quick connect circular plug connectors.

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**VOLTMETER - MULTIPLEX ELECTRICAL SYSTEM**

Provide: (1) digital voltmeter on the master control console screen.

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**WARNING DISPLAY - MULTIPLEX ELECTRICAL SYSTEM**

Install: digital warning display integrated into the cab display console, programmed through the multiplex system to provide visual and audible indication.

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**EMERGENCY MASTER SWITCH - MULTIPLEX ELECTRICAL SYSTEM**

Supply: A single emergency master switch for activating all the emergency warning lights on the master control console screen, emergency master switch will activate the module power automatically, include an Emergency Master Menu button to allow access to individual warning light functions.

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**CONTROL PANEL SWITCHES - MULTIPLEX ELECTRICAL SYSTEM**

Switches on the master control console and attendant control panel screens shall have dimmable perimeter backlighting.

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**MODULE POWER SWITCH - MULTIPLEX ELECTRICAL SYSTEM**

Provide: A module power switch for the electrical system on both the Master Control Console and the Attendant Control Panel screens.

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**ATTENDANT CONTROL PANEL (ACP) - MULTIPLEX ELECTRICAL SYSTEM**

Attendant Control Panel (ACP) contains a color micro processor screen, controls all equipment installed in the patient compartment.

\*\*\*Only applies when an ACP screen is selected\*\*\*

**PARK OVERRIDE - MULTIPLEX ELECTRICAL SYSTEM**

Park override switch on the master control console screen, reactivates all lights disabled when the transmission is placed in the neutral/park position.

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**LOAD MANAGER-SEQUENTIAL SWITCHING SYSTEM - MULTIPLEX ELECTRIC SYSTEM**

Load manager-sequential switching system controlled by the microprocessor based electrical system: emergency master button shall control the sequential switching of the emergency lights and/or other warning devices, load manager shall automatically shed non-critical electrical loads during low voltage conditions.

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**FRONT CLEAR DISABLE SWITCH - MULTIPLEX ELECTRICAL SYSTEM**

Activation of the switch on the master control console screen to disable all forward-facing clear warning lights.

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**MASTER CONTROL CONSOLE (MCC) - MULTIPLEX ELECTRICAL SYSTEM**

Floor mounted Master Control Console (MCC) located in the cab, housing siren, color microprocessor display screen, controlling all the Emergency Warning functions, Patient Compartment lighting and module heat/ac functions.

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**CURBSIDE SCENE LIGHTS ON WITH CURBSIDE DOOR**

The Curbside scene lights: programmed to activate when the Curbside door is in the open position.

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**REAR SCENE LIGHTS ON WITH REAR DOORS OPEN**



Rear scene lights programmed to activate when the rear doors are in the open position.

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**DISABLE SWITCH FOR REAR SCENE LIGHTS - MULTIPLEX ELECTRICAL SYSTEM**

Install: disable switch at the rear door area to disable the rear scene lights.

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**DISABLE SWITCH FOR SIDE SCENE LIGHTS - MULTIPLEX ELECTRICAL SYSTEM**

A disable switch shall be installed at the curbside door area to disable the curbside scene lights.

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**CONTROL SCREEN, MCC**

Install: interface module / display screen in the cab.

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**CONTROL SCREEN, ACP**

Install: interface module / display screen mounted on an angled flip - down panel with chrome lever latches, in the patient compartment ACP area.

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**SYSTEM ACTIVE AND CHECK OUT LIGHTS - 15 MINUTES**

Switch: located at the curb and rear entry doors for activation of the electrical system, check out light switch located at the curb and rear doors for activation of the LED angled lights prior to entering the module, system programmed to shut down automatically after 15 minutes unless the ignition is on.

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**DAYTIME RUNNING LAMPS - MULTIPLEX ELECTRICAL SYSTEM**

OEM Daytime Running Light headlights activated for daytime operation, when transmission is placed in drive.

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**CAMERA REAR VIEW - SINGLE SYSTEM - CONTROL SCREEN**

Install: camera system rear view, tied to the control screen. Per Dwg #2. Camera alignment will be conducted at final inspection, if applicable.

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**SYSTEM AUTO ACTIVE WITH ENTRY DOOR OPEN OR UNLOCK SIGNAL**

The system will auto activate when a module entry door is opened or when a door unlock signal is received.

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

Install: (1) dual USB port outlet, 5 volt / 2.1 amp, in the vehicle, located on the Master Control Console in the cab.

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**OUTLET, USB - ONE (1) DUAL - PRIMARY ACTION AREA**

One (1) dual USB port outlet, 5 volt / 2.1 amp, shall be installed in the vehicle, located on the streetside primary action area in the patient compartment.

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

One (1) 2-wire +plus ground 125 VAC duplex outlet in the street side wall in the primary action area.

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**OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - SECONDARY ACTION AREA**

One (1) 2-wire +plus ground 125 VAC duplex outlet in the street side wall in the secondary action area.

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**OUTLET, 125VAC - ONE (1) INTERIOR DUPLEX - FRONT WALL CABINET**



One (1) 2-wire +plus ground 125 VAC duplex outlet in the front wall cabinet.

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**INVERTER, VANNER - 1100 WATT, LIFESINE LSC 12-1100-DC CHARGER**

Install: Vanner LifeSine LSC 12-1100-DC watt inverter with battery conditioner / charger per drawing (non-hardwired).

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**INVERTER, TO BE ON WITH THE IGNITION**

The mod power, and any option associated with auto on when mod power is engaged, will also come on with ignition. If mod power is turned off while ignition is on, turning mod power back on will also re-engage the inverter power.

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**OUTLET, 12VDC - ONE (1) - LEFT WALL ACTION AREA**

One (1) 12 VDC power point outlet shall be installed in the street side wall in the primary action area. The outlet shall be labeled, "12 VDC".

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**OUTLET, 12VDC - ONE (1) FRONT WALL - CABINET**

One (1) 12 VDC power point outlet shall be installed in the patient compartment, in the front wall cabinet. The outlet shall be labeled, "12 VDC".

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**PRE-WIRE, 12VDC Cabinet #1 Partition wall.**

Install: 12VDC pre-wire, quantity(s) and location(s) per drawing(s).

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**RECEPTACLE SHORELINE INLET-SUPER 20 AMP, AUTO EJECT - YELLOW COVER**

Install: Kussmaul super auto eject shoreline inlet receptacle with yellow cover on module exterior per the drawings, equipped with an integral dynamic disconnect.

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**SHORELINE INDICATOR LIGHT- ALLIED VCC GREEN MINI NEON - EXTERIOR MOUNTED**

Install: (1) Allied VCC green mini neon indicator light above the shoreline inlet per drawings. The indicator shall illuminate when shoreline power is present at the inlet.

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**RADIO ANTENNA BASES - TWO (2) The coax cable(s) shall terminate in the PDQ.**

Install: (2) antenna bases with attached coax cables shall be installed on the module roof. The coax cables shall terminate in radio cabinet. If no radio cabinet is present, they will terminate behind the drivers seat in the cab. Access to the antenna bases shall be through adjacent module interior dome lights.

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**LIGHT, ATTENDANT CONTROL PANEL AREA - TECNIQ SILHO-X LED - WARM WHITE**

A Tecniq Silho-X 2.75" round warm white LED light with SS trim ring, shall be mounted above the left wall forward action area counter. The light shall be operated through a button on the control screen labeled "Attendant Light". (Braun #26415)

**LIGHT, LED ELECTRICAL COMPARTMENT -PDQ**

A 12 VDC LED light shall be located in the PDQ. The light shall be wired "battery-hot" to activate when the PDQ door is in the open position. The light shall be off when the door is in the closed position.

**LIGHTS, DOME LED (8) WHELEN SUPER LED**

Eight (8) Whelen #LED (80COEHCR) dome lights, shall be installed. See dwg #9

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**LIGHTS, DELETE LIGHTS ON PANEL STREETSIDE - ANGLED**

Delete /omit lights on interior Streetside angled panel.

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**LIGHTS, DELETE LIGHTS ON PANEL CURBSIDE ANGLED**



Delete / Omit lights on angled panel, Curbside interior.

**LIGHTS, OSS COMPARTMENTS - RIDGEBACK LED STRIP LIGHTING**

Install: White Ridgeback brand LED strip lighting, one each side of the door opening, activated by magnetic switch, all standard OSS compartments only, excluding battery compartment, lengths dependent on OSS dimensions.

**LOCKS POWER - PASSAGE, 5 COMPARTMENTS, KEY FOBS**

Install: power door locks on module passage doors, and (5) OSS compartments, use OEM key fobs. Does not include battery bay door.

**SWITCH DOOR UNLOCK, WATERPROOF - HIDDEN IN FRONT GRILLE AREA**

Install: exterior hidden door unlock switch in grille area.

**PROGRAMMING - REAR WINDOW LEVEL LIGHTS, BRAKE OVERRIDE**

Window level lights shall be tied into the brake circuit, and shall activate as low intensity brake lights when the brake pedal is depressed.

**RADIO TIE-IN POINT - (1) 12V/40 AMP - CAB CONSOLE AREA**

Install (1) set of 12 volt/40 amp radio tie-in studs in cab console: (1) battery hot, (1) ignition hot, (1) grounded stud.

**RADIO TIE-IN POINT - (1) 12V/40 AMP - PATIENT COMPARTMENT**

Install (1) set of 12 volt/40 amp radio tie-in studs in patient compartment: (1) battery hot, (1) ignition hot, (1) grounded stud.

**RADIO TIE-IN POINT - (1) 12V/250 AMP - PDQ**

Install (1) set of 12 volt/250 amp radio tie-in studs in the PDQ: (1) battery hot, (1) ignition hot, (1) grounded stud.

**Braun - Exterior Lighting**

*Description*

**WARNING LIGHTS FLASH PATTERN SIGNAL ALERT 75 - MULTIPLEX ELECTRICAL SYSTEM**

The default flash pattern for the vehicle warning lights: Signal Alert 75.

**CLEAR LENSES ON ALL WARNING LIGHTS**

**LIGHTS GRILLE - 2 WHELEN ION LED**

Two (2) Whelen ION series super LED warning lights, with waterproof connectors shall be installed the grille area of the chassis. The lights shall operate from a switch on the master control console labeled "Flashers".

Note: these lights are only available with a clear lenses.

**GRILLE WARNING LIGHT LOCATION 1 - RED**

The warning light located on the grille in location 1 shall be red.

**GRILLE WARNING LIGHT LOCATION 2 - RED**

The warning light located on the grille in location 2 shall be red.

**STRAIGHT PATTERN WARNING LIGHTS**



The front warning lights will be aligned in a straight pattern across the module.  
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**LIGHTS, ICC / LED CLEARANCE - ON MODULE FRONT - TECNIQ**

Install: (5) amber Tecniq LED (S33-AA00-1) clearance / ICC lights on the front of the module near the roof line per dwg #1.  
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**LIGHTS FRONT MODULE - 7 WHELEN 900 SUPER LED**

Seven (7) Whelen 900 series super LED warning lights with chrome bezels shall be installed on the module front. The lights shall operate from a switch on the master control console, labeled "Flashers".  
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**FRONT WARNING LIGHT LOCATION 1 - RED**

The warning light located on the upper front of the module in location 1 shall be red.  
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**FRONT WARNING LIGHT LOCATION 2 - RED**

The warning light located on the upper front of the module in location 2 shall be red.  
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**FRONT WARNING LIGHT LOCATION 3 - RED**

The warning light located on the upper front of the module in location 3 shall be red.  
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**FRONT WARNING LIGHT LOCATION 4 - WHITE**

The warning light located on the upper front of the module in location 4 shall be white.  
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**FRONT WARNING LIGHT LOCATION 5 - RED**

The warning light located on the upper front of the module in location 5 shall be red.  
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**FRONT WARNING LIGHT LOCATION 6 - RED**

The warning light located on the upper front of the module in location 6 shall be red.  
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**FRONT WARNING LIGHT LOCATION 7 - RED**

The warning light located on the upper front of the module in location 7 shall be red.  
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**PRE-WIRE/PROGRAMMING, OPTICOM EMITTER**

Install: pre-wire in the power distribution quarters and programming in the cab control screen control panel supplied/installed Opticom Emitter System.  
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**LIGHTS, ICC / LED CLEARANCE - ON MODULE REAR - TECNIQ**

Install: (5) red TECNIQ LED (S33-RR00-1) clearance / ICC lights on the rear of the module near the roof line per dwg #2.  
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**LIGHTS REAR MODULE, UPPER OUTER - 2 WHELEN 900 LED**

Two (2) Whelen 900 series super LED warning light with chrome bezels shall be installed on the upper rear of the module, in the outer location. The lights shall operate from a switch on the master control console, labeled "Flashers".  
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**REAR OUTER MODULE LIGHT LOCATION 1 - BLUE**

The warning light located on upper rear of the module, in outer location 1 shall be blue.  
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**REAR OUTER MODULE LIGHT LOCATION 2 - RED**

The warning light located on upper rear of the module, in outer location 2 shall be red.  
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**LIGHTS REAR MODULE, UPPER CENTER - 1 WHELEN 600 LED**

One (1) Whelen 600 series super LED warning light with a chrome bezel shall be installed on the upper rear of the module, center location. The light shall operate from a switch on the master control console, labeled "Flashers".

**REAR CENTER MODULE LIGHT LOCATION 1-AMBER**

The warning light located on upper rear of the module in the center location shall be amber.

**LIGHTS REAR SCENE - 2 WHELEN 600 LED**

Two (2) Whelen 600 Series super LED scene/load lights with chrome bezels shall be installed on the upper rear of the module. The lights shall operate from a switch on the master control console, labeled "Rear Scene Lights".

**LIGHTS REAR WINDOW - 2 WHELEN 900 SUPER LED**

Two (2) Whelen 900 series super LED warning lights with chrome flanges shall be installed on the rear of the module at window level, one (1) on each side. These lights shall operate from a switch on the master control console, labeled "Flashers".

**WINDOW LEVEL LIGHT LOCATION 1 - RED**

The warning light located on rear of the module at window level, location 1 shall be red.

**WINDOW LEVEL LIGHT LOCATION 2 - RED**

The warning light located on rear of the module at window level, location 2 shall be red.

**LIGHTS, REAR TAIL - WHELEN 600 LED STOP, TURN, & MAXIMUM INTENSITY BACK-UP**

Install: (1) pair each of Whelen 600 series LED stop/tail lights, turn lights, and fully populated MAXIMUM intensity LED back-up lights with chrome bezels on rear of the module.

**LIGHT, LICENSE PLATE LED - WHELEN OACOEDCR**

Install:(1) Whelen OACOEDCR LED license plate light with 45 deg angled chrome-plated bezel on the rear of module, lower left side.

**LIGHTS FRONT INTERSECTION - 2 WHELEN 700 LED W/15 DEGREE TILT HOUSING**

Two (2) Whelen 700 series super LED warning lights, with water-proof connectors, shall be mounted in 15 degree tilt housings on the front chassis fenders, one (1) on each side. The lights shall operate from a switch on the master control console labeled "Flashers".NOTE: When vehicle is placed in park, the override switch must be on for intersection light(s) to remain on.

**FRONT INTERSECTION LIGHT LOCATION 1 - RED**

The warning light located on front of the chassis fender in location 1 shall be red.

**FRONT INTERSECTION LIGHT LOCATION 2 - RED**

The warning light located on front of the chassis fender in location 2 shall be red.

**LIGHTS INTERSECTION REAR - 2 WHELEN 700 LED**

Two (2) Whelen 700 series super LED warning lights with, chrome flanges and water-proof connectors, shall be installed above the rear wheel wells, one (1) on each side.



These lights shall operate from a switch on the master control console screen labeled "Flashers".NOTE: When vehicle is placed in park, the override switch must be on for intersection light(s) to remain on.

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**REAR INTERSECTION LIGHT LOCATION 1 - RED**

The warning light located on above the rear wheel well at location 1 shall be red.

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**REAR INTERSECTION LIGHT LOCATION 2 - RED**

The warning light located on above the rear wheel well at location 2 shall be red.

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**LIGHTS, ICC / LED CLEARANCE - ON MODULE SIDE - TECNIQ**

Install: (2) red Tecniq LED (S33-RR00-1) clearance/ICC lights, (1) red on each side at rear of the vehicle, flash with turn signal, per Dwg #3 and #4.

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**LIGHTS SIDE WARNING - 4 WHELEN 900 SUPER LED**

Four (4) Whelen 900 series super LED warning lights with chrome flanges shall be installed, two (2)on each side of module exterior per dwg.

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**SIDE WARNING LIGHT LOCATION 1 - RED**

The warning light located on side of the module, in outer location 1 shall be red.

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**SIDE WARNING LIGHT LOCATION 2 - RED**

The warning light located on side of the module, in outer location 2 shall be red.

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**SIDE WARNING LIGHT LOCATION 3 - RED**

The warning light located on side of the module, in outer location 3 shall be red.

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**SIDE WARNING LIGHT LOCATION 4 - RED**

The warning light located on side of the module, in outer location 4 shall be red.

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**LIGHTS SIDE SCENE - 4 WHELEN 900 24 DIODE LED**

Four (4) Whelen 900 series 24 Diode LED scene lights with chrome flanges shall be installed, two (2) each module side. These lights shall operate from switches on the master control console labeled "Left Scene Light" and "Right Scene Light".

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**Braun - Module Body Construction**

*Description*

**AWS ALUMINUM CERTIFIED WELDERS**

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**CONNECTIONS, MODULE**

Bolt: to the chassis frame rail with (12) 5/8" -11 grade 8 bolts through OEM rubber insulating spacers installed on outriggers at twelve (12) separate locations (six each frame rail), providing noise insulation and easy removal for chassis replacement, mounting bolts to be properly torqued and secured with locktite, system used for fastening the module to the frame to be that approved by the chassis manufacturer.

**INSULATION - POLYURETHANE SPRAY FOAM**



The entire underside of the module floor (except for mounting pads), the underside of the outside storage compartments, the wheel wells, and the underside of the curbside step area shall be completely insulated with sprayed on Class I urethane foam for thermal and acoustical insulation. The insulation shall comply with FMVSS #302 flame spread requirements. The underside of the body shall be properly prepared to ensure adhesion before the spray insulation is applied.

**INSULATION - EXTERIOR PASSAGE AND OSS DOORS AND INTERIOR WALLS AND CEILING**

The walls, ceiling, passage doors, and outside storage doors shall have foam for thermal and acoustical insulation. The insulation shall comply with FMVSS #302 flame spread requirements.

**MODULE BODY CONSTRUCTION - SEAMLESS**

Module: fabricated entirely of parts cut and formed from .125" (minimum) thickness 5052-H32 flat aluminum sheet stock, using CNC machines capable of .010" repeatability. This is the only alloy that may be used for body parts that are welded together. Roll-cage type interior super-structure, aluminum partition and module welded together into a single unit, roof designed with a minimum 1.5" crown to facilitate water run-off. Floor, roof, sides, all exterior doors fabricated from .125" (minimum) thick flat aluminum sheet stock, exterior joints between the roof and side components continuous full seam welded the entire length of the module. All exterior body panel joints continuous full seam welded. No VHB bonding tape or other adhesives used in the construction of the ambulance module.

**SOLE SOURCE MODULE BODY CONSTRUCTION**

**Braun - Module Features / Exterior**

*Description*

**ALUMINUM PARTS - MODULE EXTERIOR**

All unpainted exterior aluminum parts to be bright dip anodized after fabrication to retain the finish and increase corrosion resistance.

**CORROSION MINIMIZATION - MODULE**

All module contact with dissimilar metals shall be minimized with the use of nylon screw-hole inserts to provide hinge to door isolation with the module body, polypropylene strip hinge isolation, polyethylene backed rubber tape, ceramic coated stainless steel hinge bolts, and corrosion inhibitor spray.

**DOOR CONSTRUCTION - GASKET PLACEMENT**

All exterior hinged module doors shall be constructed in an inverted pan-formed design. The pan shall be constructed from .125" thick 5052-H32 flat sheet aluminum. The exterior door skin shall be constructed of .190" thick aluminum and welded to the pan. Door gaskets shall be attached to the interior side of the door skin on the top, bottom and outer edge of the door. The gasket on the hinge side of the door will be attached to the door frame.

**EXTERIOR COMPARTMENTS - SWEEP-OUT**

Exterior module compartments: a sweep-out design to aid in facilitation of the purchaser's routine care and cleaning of the vehicle. All exterior compartment floors,



with the exception of the front ALS compartment to be constructed to be flush with the bottom door frame.

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**EXTERIOR COMPARTMENTS DESIGN**

All exterior compartments shall be vented and include: sound absorbing slip resistant polyurethane material sprayed on the inside of all compartments and compartment shelving, slide out trays and closeouts, baffled seep holes provided to prevent water from splashing or seeping into the exterior compartments, full-length, two-way adjustable, stainless steel hinges on all exterior compartment doors with 3/16" stainless steel hinge pins, compartment doors installed, flush with the module body, when double doors are provided, each door to have exterior handle, but only the forward door lockable, rearward door is secured when forward door is locked), all exterior compartments and passage doors keyed alike, lockable Eberhard "free-floating" type chrome plated handles with rotary locks. Gasket installed under each handle to protect the paint; drip rails installed above all exterior compartment doors.

**EXTERIOR COMPARTMENTS, VENTING**

(9) square inches (minimum) of venting inside #1, #2, #3, & #4 exterior storage compartments to provide for easier closure of the compartment doors.

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**EXTERIOR COMPARTMENTS, VENTING - OXYGEN STORAGE**

(9) square inches (minimum) of venting provided in the exterior oxygen storage compartment, to dissipate any leaking oxygen gas.

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**HANDLES, EBERHARD - CHROME FREE FLOATING TYPE**

Install: Eberhard #EMC-1-2110 chrome "free-floating" handles on each exterior module door, large enough to accommodate a gloved hand.

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**LOWERED MODULE SIDES**

Module sides to be as low as possible and still comply with KKK-1822-F ramp break over angle.

**STEPWELL, CURBSIDE DOORWAY - MID STEP AREA**

Install: aluminum diamond plate step well and mid-level step in curbside doorway threshold area.

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**THRESHOLD, STAINLESS STEEL - ALL OSS STORAGE COMPARTMENTS**

Each exterior storage compartment with a hinged door: stainless steel lower threshold at the door opening to protect the paint.

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**STONE GUARDS, MOD FRNT -ANODIZED DIAMOND PLATE**

Install: anodized aluminum diamond plate stone guards on module front, (1) each side.

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**DOOR SLIDING - MODULE CURBSIDE PASSAGE**

Install EZ Glide curb door.

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**DOORS - REAR PASSAGE**

Patient compartment rear door opening: doors flush without a protruding flange or lip, right rear passage door lockable, chrome exterior handle, left rear door non-locking, chrome exterior handle, all handles installed with a gasket, hinge full length stainless steel with a 3/16" stainless steel hinge pin, two-way adjustable, each rear door two-point slam action automotive type rotary latching system to the body, right rear door lock to the body at the top and bottom, not to left rear door, doors .218" stainless steel door latch activator rods with clevis adjusters, doors lockable from inside and outside,



shut on molded, air-core, automotive type door seals to prevent water from leaking into vehicle interior.

**EMERGENCY RELEASE LEVER, REAR PATIENT PASSAGE DOORS**

Install emergency release lever, attached to each rear passage door latch to be free-floating from the interior door linkages. Access to the lever shall be behind a removable cover in the door skin.

**WINDOWS, PASSAGE DOOR - (CURB SLIDING, REAR FIXED)**

Curbside passage door (sliding) window with removable screen, rear passage doors w/ non-openable window, windows 69% dark tint, secured with black oxide coated fasteners, open doors not to block warning lights.

**FENDERETTES - POLISHED ALUMINUM**

Install: Polished aluminum fenderettes around the rear wheel well openings.

**HOLD-OPEN - REAR DOORS - GRABBERS**

Install: door grabbers (1 pair) with hard rubber inserts on rear doors.

**KICKPLATE/THRESHOLD, REAR DOORWAY - ANODIZED DIAMOND PLATE**

Install: anodized aluminum diamond plate kick plate at the rear exterior doorway, providing a kick / scuff plate at rear of the vehicle above rear step, per dwg # 2.

**MUD FLAPS, REAR - BLACK RUBBER FIBERGLASS REINFORCED - THREE COLOR**

Install black rubber, fiberglass reinforced mud flaps with a minimum 1/4" thickness bolted to underside of module behind rear wheels, to provide adequate coverage of rear dual wheels of the chassis, mud flaps to be (3) color with the Manufacturers Logo.

**REAR STEP/BUMPER -FLIP-UP CENTER SECTION - STAR PUNCHED AND ANODIZED**

Affix: rear bumper to chassis frame, constructed with a hinged center section, (2) steel braces to secure step to chassis frame, outer 17" on each end of bumper constructed from heavy gauge stamped polished stainless steel bumper parts, to provide smooth rounded corners, step constructed of star punched .125" thick aluminum diamond plate, (2) rear LED step illumination lights provided. All diamond plate surfaces to be anodized; strip of black PVC installed on face of step.

**TOW HOOKS, MODULE REAR**

Secure: fasten (2) tow hooks in rear step area to rear step braces.

**RUB RAILS, ANODIZED ALUMINUM**

Install: anodized polished aluminum rub rails on lower sides of body, below outside compartment sill areas., rub rails to be offset 3/16" from body.

**DOOR SKINS, OUTSIDE STORAGE COMPARTMENTS - DIAMOND PLATE INTERIOR SKINS**

Interior door skins for all outside storage compartments constructed of .063" thick aluminum diamond plate.

**OSS #1 - STREETSIDE FORWARD**

OSS #1 streetside forward, hinged door with spring-loaded gas cylinder, locking handle installed on the exterior of the door.

**OSS #1 - EZ-O2 LIFT OXYGEN SYSTEM**

OSS #1 streetside forward, with an EZ-O2 lift system, for housing an O2 cylinder.



**OSS #1 - OXYGEN STORAGE EZ O2 LIFT**

An E-Z O2 lift shall be mounted to the door as an assisted lift for the H and M cylinders.

**OSS #2 - STREETSIDE CENTER**

OSS #2 streetside center, hinged double doors with spring-loaded gas cylinders, handles installed on the exterior of each door, forward door with locking handle.

**OSS #2 - (1) ADJUSTABLE SHELF**

OSS #2 streetside center, with one (1) adjustable shelf.

**OSS #2 - SHELF ONE (1) ADJUSTABLE WITH TRACK**

Outside storage compartment #2 shall contain one (1) adjustable shelf with track.

**OSS #3 - STREETSIDE REAR - TALL DOOR**

OSS #3 streetside rear, hinged door with spring-loaded gas cylinder, locking handle installed on the exterior of the door.

**OSS #3 - (1) ADJUSTABLE SHELF WITH INSIDE/OUTSIDE ACCESS AND STAIR CHAIR POCKET/STRAP ON THE DOOR**

OSS #3 streetside rear, for providing I/O storage access, and contain one (1) adjustable shelf, and a stair chair pocket and strap on door.

**STAIR CHAIR POCKET AND STRAP ON DOOR**

A stair chair pocket shall be installed on the interior of the compartment door panel of OSS #3.

**OSS #3 - SHELF ONE (1) ADJUSTABLE WITH TRACK**

Outside storage compartment #3 shall contain one (1) adjustable shelf with track.

**OSS #4 - CURBSIDE REAR**

OSS #4 curbside rear, hinged door with spring-loaded gas cylinder, locking handle installed on the exterior of the door.

**OSS #4 - BACKBOARD AND (2) ADJUSTABLE SHELVES WITH INSIDE/OUTSIDE ACCESS AND FIXED DIVIDER**

OSS #4 curbside rear, with one (1) fixed vertical divider for backboard/scoop stretcher storage on one side and and two (2) adjustable shelves with inside/outside storage access on other.

**OSS #4 - BACKBOARD - SCOOP STRETCHER STORAGE**

Compartment #4 shall provide storage for backboards / scoop stretcher, with a (1) inch adjustable strap with black plastic buckle.

**OSS #4 - FIXED DIVIDER**

One (1), fixed divider with sprayed on polyurethane material shall be provided and installed in outside storage compartment #4 per dwg. #4.

**OSS #4 - SHELVES TWO (2) ADJUSTABLE WITH TRACK**

Two (2) adjustable shelves with track in outside storage compartment #4.

**OSS #5 - CURBSIDE FORWARD**



OSS #5 curbside forward, hinged door with spring-loaded gas cylinder, locking handle installed on the exterior of the door.

**OSS #5 - INSIDE/OUTSIDE ACCESS TO THE ALS CABINET - #5B OPEN STORAGE AREA**

OSS #5 curbside forward, inside/outside access to the ALS cabinet, and #5B lower storage area.

**Braun - Module Interior / Patient Compartment**

**Description**

Clarification: The cabinets #1 and #2 on the streetside will include the welded in vertical divider to prevent the shelf from bowing.

**CABINET CONSTRUCTION - INTERIOR - ALUMINUM**

All interior cabinets shall be constructed of .090" thick welded aluminum.

**EMBLEMS / SIGNS - REAR PATIENT COMPARTMENT**

(2) "No Smoking / Oxygen Equipped / Fasten Seat Belts" signs: (1) sign installed in the cab, (1) above the oxygen outlets in the patient compartment street side cabinet.

**FLOOR CONSTRUCTION- PATIENT COMPARTMENT, NON-WOOD COMPOSITE**

Sub-floor in the patient compartment: constructed of .125" thick aluminum over .125" and .190" thick reinforcing hat sections and mounting laterals, aluminum sub-floor covered with a 3/4" non-wood composite material, all corner molding, edging and trim anodized aluminum or stainless steel and sealed to prevent fluids from seeping under the cabinets.

**FLOORING - COVE**

Patient compartment floor radius: coved with pre-formed floor coving material, installed behind the vinyl floor covering, along both the street side and curbside walls.

**HEADLINER - REAR PATIENT COMPARTMENT**

Headliner in the patient compartment shall be one-piece, seamless, .090 thick aluminum finished with sprayed-on multi-use polychromatic coating.

**HOLD OPENS FOR INTERIOR DOORS**

All interior cabinets with doors less than 6" tall shall have friction hinges as hold opens for door(s). Doors 6" and taller shall be designed using gas shocks as hold opens for the door(s).

**PADDED EDGING PROTECTION**

Install: padded corner edging where necessary on exposed corners and edges in the patient compartment for patient and attendant protection.

**ROUNDED INTERIOR CORNERS**

Interior vertical edges: rounded corners in the following locations: forward and aft edges of the CPR seat, the wall at the aft end of the squad bench, the partition opening cabinet edges and the upper front wall cabinet.

**RECESSED ADJUSTABLE SHELF TRACK - CABINETS**

Install recessed adjustable shelf track in cabinets.

**UPHOLSTERY - PATRIOT PLUS CHARCOAL #8605**



All cushions, head pads and seating surfaces shall be covered with Patriot Plus Charcoal #8605

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**INTERIOR MODULE PADS**

Vinyl upholstered, foam cushioned head/back pads shall be installed as follows: the lower edge of the upper front wall cabinet (above the partition doorway or window), above the rear doors, above the side door, and on the street side wall behind and on each side of the CPR seat. The pads shall be covered with a flame-retardant color coordinated vinyl upholstery material.

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**LONPLATE II, NON-SLIP EMBOSSED SM. GRID - GUNMETAL #424**

The floor in the patient compartment shall be covered with Lonseal brand "Lonplate II" non-slip; small grid (embossed) Gunmetal #424.

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**CABINET DOORS - CLEAR POLYCARBONATE**

All cabinet doors shall be clear polycarbonate material / installed in aluminum track lined with PPL inserts / An edge mounted aluminum handle shall be installed on each sliding cabinet door.

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**CABINETS/ WALLS - POLYCHROMATIC COATING - MARBLE STONE**

Headliner, walls, cabinet faces, and cabinet interiors MultiSpec color to be Marble Stone

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**COUNTER TOP, SOLID ACRYLIC - SECONDARY ACTION AREA**

Install: solid acrylic countertop with 1/2" lip on the secondary action area.

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**COUNTER TOP, SOLID ACRYLIC**

Install: solid acrylic countertop with 1/2" lip on the primary action area.

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**COUNTERTOP - SOLID ACRYLIC - RAVEN BOULDER (GRAY/BLACK)**

Install a solid acrylic counter top, Raven Boulder (#810).

**LATCHES, CABINET, CN10 COMPLIANT AS APPLICABLE - INCLUDING RADIO CABINET**

The ACP (attendant control panel) door, the PDQ (power distribution quarters) door, and the radio cabinet door shall

be secured with chrome locking lever latches/ all remaining interior hinged cabinet doors with center squeeze latches/all interior drawers with locking flush pull latches.

**LEFT WALL - ATTENDANT CONTROL PANEL - WITH FLAT AREA**

A control screen shall be mounted on a hinged access panel and secured with two (2) latches. The panel will be located to the immediate right of the attendant's seat. The forward portion of the panel will contain a flat area that may be used for future radio mounting, etc.

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**CABINET - RESTOCKING FRAME WITH SLIDING POLYCARBONATE DOORS, FIXED HORIZONTAL CENTER DIVIDER, TOP/BOTTOM ADJUSTABLE DIVIDERS**

Left wall, upper rear interior cabinet (#1): sliding polycarbonate doors w/ a flip-up restocking frame, gas filled hold-open shocks, full length handles w/ outer most sliding door to have handles on both ends. The cabinet shall contain a fixed horizontal center divider, with both top and bottom adjustable dividers.

**CABINET - RESTOCKING FRAME WITH SLIDING POLYCARBONATE DOORS, FIXED CENTER VERTICAL DIVIDER, FIXED HORIZONTAL DIVIDER EACH SIDE OF CENTER DIVIDER, TOP/BOTTOM ADJUSTABLE DIVIDERS**



Left wall, upper interior cabinet (#2): sliding polycarbonate doors, flip-up restocking frame with gas filled hold-open shocks, doors w/ full length handles, outer most door handles on both ends, fixed center vertical divider with a fixed horizontal divider each side of the center divider, with both top and bottom adjustable dividers.

**CABINET - HINGED POLYCARBONATE DOORS WITH LATCHES AND FULL LENGTH HANDLES, INSIDE/OUTSIDE ACCESS TO OSS #3**

Left wall rear interior cabinet (#3): fixed frame, hinged polycarbonate doors w/ latches and full length handles, inside/outside access to OSS #3.

**CABINET - (2) PULL-OUT DRAWERS TOWARDS THE AISLE WITH LOCKING STAINLESS STEEL FLUSH PULL LATCHES**

Left wall interior cabinet (#4) below secondary action area: two (2) vertically stacked drawers facing the aisle. Each drawer shall have a locking, stainless steel, flush pull latch.

**PULL-OUT DRAWER WITH HINGED ACRYLIC WRITING SURFACE AND LOCKING STAINLESS STEEL FLUSH PULL LATCH. RECESSED SUCTION BELOW DRAWER**

Left lower wall: (1) one drawer (#5), aisle facing, installed in the primary action area under the attendant control panel. The drawer shall have a hinged acrylic writing surface and a locking stainless steel flush pull latch. A recessed area below the drawer for a suction canister to be installed.

**RAISE STREETSIDE CABINETS, DELETE ANGLED LIGHTS**

**CABINET - HINGED POLYCARBONATE DOOR WITH LATCH AND GAS SHOCK HOLD-OPEN**

Left wall upper interior cabinet (#6): cabinet w/ (1) flip up hinged polycarbonate door with gas filled hold-open shocks, latch.

**ASPIRATOR / SUCTION - SSCOR - WITH ELECTRIC PUMP - RECESSED**

An SSCOR suction system shall be recessed into the street side lower interior wall near the attendant's seat. The 12 VDC SSCOR electric vacuum pump to be installed in an exterior compartment per the location on the drawing (must use SSCOR pump and tubing).

**INSIDE/OUTSIDE ACCESS TO OSS #4 WITH HINGED POLYCARBONATE DOOR, FULL LENGTH HANDLE, AND LATCH**

Compartment #1 on the rearward curb side wall, inside/outside access to OSS #4, hinged polycarbonate door, full length handle, latch.

**SQUAD BENCH WITH RECESSED SHARPS/WASTE BELOW SEPARATE BENCH LID. SECOND PATIENT TRANSPORT ON THE SQUAD BENCH.**

The Curbside wall shall have a squad bench which will include storage, a split lid with gas cylinder hold opens, and a recessed sharps and trash container.

**CABINETS - RIGHT WALL, UPPER #3- SLIDING DOOR**

Curb side interior wall cabinet #3: overhead, fixed frame with sliding polycarbonate doors, with full length handles, outermost door to have a handle on both ends.

**OVERHEAD CABINET WITH SLIDING POLYCARBONATE DOORS. OXYGEN OUTLET MOUNTED BESIDE THE CABINET.**



Curb side interior wall cabinet #3: overhead, fixed frame with sliding polycarbonate doors, with full length handles, outermost door to have a handle on both ends.

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

Squad bench top and cushion shall be split into two (2) sections with separate hinged lids/ forward most section shall have the sharps and trash container installed/ bench covered with color coordinated vinyl upholstery material/automatic latching fastener shall be installed in both sections

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**HOLD OPENS - SQUAD BENCH LID - GAS CYLINDERS**

Gas cylinder hold-open(s) shall be provided and installed to hold lid in the open and closed position.

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**SHARPS AND TRASH CONTAINERS - ACCESS THRU SQUAD BENCH LID**

A sharps container and a trash container installed in the forward end of the squad bench base, containers accessed through the squad bench lid covered with a 3/8" thick clear acrylic hinged lid with a biohazard warning label.

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**SQUAD BENCH FACE - VINYL FLOORING MATERIAL**

The face of the squad bench shall be covered with vinyl flooring material.

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**SQUAD BENCH BASE W/STORAGE**

A storage area shall be provided in the squad bench base. The squad bench base shall be constructed of .090" thick aluminum for maximum storage capacity and minimum weight. The interior of the squad bench shall be sprayed with sound absorbing polyurethane material.

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**CABINET - PDQ**

The Power Distribution Quarters (PDQ) shall hold electrical components, (i.e., power distribution nodes, circuit breakers, etc.), hinged door with (2) chrome locking lever latches, located on the partition wall behind the attendant seat.

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**CABINET - FRONT WALL, UPPER #1 - HINGED ALUMINUM DOOR W/INSERT**

The front wall interior cabinet #1, flip up hinged aluminum door with polycarbonate insert and gas shock hold-open(s), latch, (1) adjustable shelf.

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**CABINET WITH HINGED ALUMINUM DOOR WITH POLYCARBONATE INSERT AND LATCH WITH (1) ADJUSTABLE SHELF**

Install cabinet with hinged aluminum door with polycarbonate insert and gas shock hold-open(s) in the upper front wall.

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**CABINET - SINGLE CABINET WITH HINGED POLYCARBONATE DOORS, LATCHES, (3) ADJ. SHELVES**

Front wall, lower interior cabinet (#2): single section enclosed w/ hinged polycarbonate doors with full length handles and latches, (3) adjustable shelves.

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**CABINET - VENTED RADIO CABINET PDQ ABOVE**

Power Distribution Quarters (PDQ) compartment and a vented radio compartment below the PDQ, lower front wall, left.

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**CABINET - FRONT WALL, LOWER BELOW PDQ (SINGLE VENTED DOOR)**



A radio cabinet with a vented, hinged aluminum door, secured by a chrome locking lever latch, located on the front lower left wall, door to open towards rear of the module.

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**CABINET - HINGED POLYCARBONATE DOORS WITH LATCHES AND PULL-OUT DRAWER, PASS-THROUGH OPEN WINDOW TO THE CAB**

Window opening, pass-through from cab to module. A cabinet with a drawer and hinged polycarbonate doors with full length handles and latches located below window opening.

**CABINET - BELOW PASS THROUGH WITH DRAWER AND HINGED POLYCARBONATE DOORS**

Front wall: cabinet below the pass through w/a rear facing drawer with a stainless steel locking flush pull latch, a compartment with hinged polycarbonate doors with full length handles, latches below drawer.

**COUNTER TOP, SOLID ACRYLIC**

Install: solid acrylic countertop with a 1/2" lip in the pass-through opening.

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**PASS THROUGH - CAB TO MODULE, WINDOW OPENING**

A window opening: provided in the rear of the cab to accommodate pass-through communications to the patient compartment, bellows provided to connect the cab to the module.

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

A USSC Valor rear facing, R-back attendant seat with an integrated child seat installed at the head of the patient cot: a (2) position swivel seat mounted on a pedestal base with a heavy-duty seat frame / ABTS (All Belts To Seat) application with (4) point / (4) retractors single click internal mount belt system. The seat shall be padded and covered with sewn matching vinyl upholstery.

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**SEATING - ATTENDANT - SIDE MOUNT POSITION**

The attendant seat shall be in a side mount position.

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**SEATING - CPR - CONTOURED EVS WITH V4 HARNESS**

A CPR seat shall be installed on the street side of the patient compartment aft of the primary action area counter, with V4 harness style shoulder / seat belt, contoured headrest and backrest will be constructed of energy absorbing material, seat bottom, backrest, and headrest shall be padded and covered with color coordinated, cushioned vinyl with the builder's logo heat stamped into the headrest.

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**SEATING - CN8 COMPLIANT TWO (2) EVS V4 CONTOURED**

A Squad bench seat with two (2) EVS individual seating positions on the curb side of the patient compartment, contoured headrest and backrest constructed of energy absorbing material, seat bottom, backrest, and headrest padded and covered with color coordinated, cushioned vinyl with the builder's logo heat stamped into the headrest, storage area provided in the squad bench base, base constructed of .090" thick aluminum, interior of the squad bench sprayed with sound absorbing polyurethane material.

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**(INACTIVE) HVAC - THE EVAPORATOR IS TIED-IN TO THE OEM AIR CONDITIONING SYSTEM, COOLING THE AIR OF THE PATIENT COMPARTMENT THROUGH THE VENTS (STANDARD SETUP)**



The air conditioning unit shall be tie-in to the OEM air conditioning system, cooling the air of the patient compartment through the outlets. The evaporator unit shall have a capacity of 580 CFM and cooling capacity of 30,000 BTU. The evaporator shall be installed in the patient compartment, in the upper front wall. It shall be accessible by removing the HVAC faceplate. Adjustable vents with manual closures are installed within the HVAC faceplate. The patient compartment HVAC system shall be controlled by the driver or the patient compartment attendant via the multiplex located in the front console or the rear switch panel. The patient compartment temperature shall be monitored by a thermostat incorporated in the multiplexing electrical system. Additional to the three (3) preprogrammed speeds, an automatic mode shall be able to decide between heating, cooling and fan speed in function of the set temperature versus the patient compartment temperature. In order to achieve maximum efficiency and optimization of this system, the fans' speed shall be optimized via Pulse Width Modulation (PWM) to allow the heating and cooling system to run at its most effective speed. Adequate room for hose connections and hose lines shall be provided when installing HVAC components. The hoses shall be protected and insulated to optimize performance and longevity. Meets or exceeds AMD-012 testing.

**ASSIST HANDLES, (6) BLACK RUBBER**

Install: a total of (6) 10-7/8" black vulcanized rubber with steel core assist handles installed: (1) handle on each rear door, (1) on the curbside door, (1) at the curbside doorway and (2) at the rear doorway.

**DOOR PANELS - MODULE PASSAGE DOORS - FULL LENGTH ALUMINUM - W/ACCESS PANELS**

Interior rear and curbside passage door panels to be full length aluminum, Multi-Spec sprayed to match interior color and contain removable latch access panel per dwg. # 6 & # 8. (Total 3).

**EXHAUST VENTILATOR, 3-SPEED - MULTIPLEX ELECTRIC SYSTEM**

Install: three-speed, 250 CFM (minimum) exhaust fan in the street side cabinet in the patient compartment, fan pulse width modulated from a switch on the attendant control panel control screen, exhaust system to have a louvered grille inside and a chrome vent outside, system vent through the side of the vehicle.

**FIRE EXTINGUISHER - ABC DRY CHEM 5 LB. WITH BRACKET - SHIPPED LOOSE**

ABC Dry-Chemical, 5 lb. fire extinguisher(s) and mounting bracket(s) shall be shipped loose with the vehicle.

**GLOVE DISPENSER - (3) BOX - ABOVE ENTRY DOOR - CURBSIDE (ABS)**

A three (3) - box glove dispenser unit, with a clear acrylic hinged access panel with three (3) cut-outs, shall be provided above the curbside entry door. A 1/4" turn latch will be installed on the face of the glove box access panel.

**GLOVE DISPENSER - (1) BOX - EACH REAR DOOR - TOTAL TWO (2)**

A single box glove dispenser unit, with a clear acrylic hinged access panel with cut-out, shall be recessed on the rear passage doors, one each door per dwg #8.

**GRAB RAILS, 1-1/4" DIAMETER, (96") OVER COT & (64") SQ BENCH**

Two (2) 1-1/4" diameter stainless steel grab rails shall be installed on the ceiling of the patient compartment. One (1) 64" grab rail shall be located above and to the right of the cot and one (1) 96" grab rail shall be located above and to the left of the cot. The 96" grab rail will be attached to the ceiling with three (3) mounting brackets that secure it to the super structure of the module.



**IV HANGERS - CEILING RECESSED - DUAL IV BAG HOLDER**

Recessed ceiling IV hanger(s) provided and installed per the drawings.

**OXYGEN SYSTEM, ELECTRIC - MULTIPLEX ELECTRIC SYSTEM**

A 12 VDC controlled electric O2 system operated through the electrical system shall be provided and installed.

**OXYGEN OUTLET (1) LEFT WALL - OHIO MED - ACTION AREA**

One (1) Ohio Medical flush mounted; quick release wall outlet shall be installed in the forward street side cabinet action area. Per dwg #5

**OXYGEN OUTLET (1) RIGHT WALL - OHIO MED - HEAD END OF SEATING AREA**

One (1) Ohio Medical flush mounted; quick release wall outlet shall be installed in the right wall above the head end of the curbside seating area. Per dwg #6

**OXYGEN OUTLET (1) CEILING - OHIO MED - ABOVE HEAD OF COT**

One (1) Ohio Medical flush mounted; quick release oxygen outlet shall be installed in the ceiling above the head of cot in the center mount position. Per dwg #9

**FLOW METER, OXYGEN - THORPE STYLE**

One (1) Thorpe style oxygen flow meter (15LPM) shipped loose with the completed vehicle.

**NET, SQUAD BENCH - CURBSIDE INTERIOR (RED)**

Net, Squad Bench - red shall be installed at the head of the squad bench.

**STAINLESS STEEL WALL PROTECTION - INTERIOR STREETSIDE**

A brushed stainless steel panel shall be provided on the street side wall from the bottom of the CPR seat.

**ANTI-SLIP MATTING - CURBSIDE STEPWELL**

Anti-Slip charcoal gray matting shall be installed in the curbside step well.

**Braun - Optional Patient Compartment Items**

**Description**

**CLOCK - FRANKLIN DIGITAL - REAR HEAD PAD**

Install: a Franklin digital clock in the head pad above the rear doors per dwg. #8

**COT FASTENER - STRYKER FLOOR PLATE AND 12v PRE-WIRE FOR CUSTOMER FUTURE INSTALL OF A POWER OR PERFORMANCE COT LOAD SYSTEM**

Install Stryker Floor plate kit and 12v pre-wire for Customer supplied / Customer installed Stryker Performance or Power Load.

**LIGHT, STEPWELL - CURBSIDE DOORWAY - 2" LED SURFACE MNT**

Install: Whelen 2" LED light in stepwell - side doorway (#18105 with surface mount flange #27190). See Dwg #7

**LIGHTS, INTERIOR CABINETS, RIDGEBACK 12V LED STRIP LIGHT, BLUE**

All polycarbonate door(s), interior cabinets shall have Ridgeback 12V blue LED strip lights for interior compartment lighting. NOTE: This excludes any interior I/O access



openings.

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**LIGHT INTERIOR OF REAR FACING OSS & PASSAGE DOORS, TWO (2) RED MINI LED PER DOOR**

Two (2) Whelen red Mini-LED lights shall be installed on the interior of all rear facing exterior compartment and patient entry doors. The lights shall be located as follows: one (1) on each upper and lower outer corner. The lights shall random flash upon door opening. (does not include the battery door) 14 lights  
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**Braun - Paint / Graphics**

*Description*

**PAINT PROCEDURE**

All non-anodized aluminum module body surfaces: completely chemically steam cleaned, filled with premium body filler as needed, sanded smooth and primed with an epoxy primer and then primed again with a high solid primer, cured primer surfacer shall be DA sanded with 320 grit and cleaned. A high solid primer shall then be applied, where needed, as a sealer.

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**STANDARDS AND SPECIFICATIONS FOR VEHICLE PAINT APPEARANCE**

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**CAB - OEM PAINT White**

The cab shall have OEM paint.  
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**BUFFING, PAINT - MODULE**

The paint on the module sides shall be buffed to a high shine using a recommended paint buff system.  
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**PAINT MODULE - OEM PAINT PLUS CLEAR COAT White**

Paint module OEM to match the chassis. The entire module shall be clear-coated, using an automotive coatings process, sprayed over the final paint coat.  
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**REFLECTIVE - DOOR REFLECTIVITY**

Install reflective material (25" x 2.5" red/white chevron style), on the lower interior panel of each rear door and hinged side door. NOTE: If a sliding side door is provided, install a 1.50" x 40.00" white reflective stripe on the rear facing edge. If rear doors have chevrons installed, this reflective material is not required.

**REFLECTIVE - BLACK MATERIAL IN RUB RAILS**

Install black reflective material in rub rails.  
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**Braun - Vehicle Manuals**

*Description*

**VEHICLE MANUALS (1) PACKAGE SET**

One (1) Delivery Manual Package shall be supplied with the vehicle and shall include the following items: Ambulance manufacturer parts, service, and operation manuals, OEM chassis owner's guide, complete 12 VDC and 125 VAC wiring schematics for all included standard and optional systems, Multiplex Electrical system programming - electronic media  
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**STATEMENT OF LIMITED WARRANTY NEW AMBULANCES**

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