

MX160 OPTIONS

DRIVERS COMPARTMENT OPTIONS

(136)

ANTI-THEFT SYSTEM

The anti-theft system shall be installed on the completed ambulance. This system shall allow the vehicle to remain running when the key is removed from the ignition. When the anti-theft is engaged and the brake is depressed, the chassis shall shut off. This system shall function with or without the module master power engaged.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(108)

BACK UP CAMERA

A rear backup camera shall be installed on the rear of the module above the rear doors. This backup camera shall be adjusted and configured to give an accurate display of information out of the driver's field of vision directly behind him. The camera monitor shall be displayed in a conspicuous location that does not disrupt the driver's natural field of vision. The monitor shall automatically activate when the vehicle is placed in Reverse.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(482)

FIRE EXTINGUISHER

(Qty) ABC 5lb. fire extinguisher(s) shall be provided with the completed ambulance. Mounting locations shall be determined by the purchaser. The extinguisher shall meet the US D.O.T requirements.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(450)

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HANDHELD SPOTLIGHT

A 400,000 candle power handheld spotlight shall be installed. The spotlight shall be able to be used inside the ambulance and not create any glare when being shone out the chassis windows. The spotlight shall incorporate a momentary style trigger to prevent this light from being left on and creating potential heat damage. A thermoformed bracket shall be installed to house the spotlight when not in use. This bracket shall be placed in a location that does not interfere with the normal operation of the ambulance.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(676)

INTERIOR CAMERA WITH BACKUP CAMERA

An additional camera shall be installed in the patient compartment. This camera shall be mounted near the ceiling and shall display full view of the rear patient compartment. It shall be displayed on the same monitor used by the backup camera and shall be easily switched by the driver.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(678)

WIRING PREPARATION FOR TWO-WAY RADIO WITH ANTENNA CABLES

Radio prewire leads shall be installed for two way radios. All radio pre-wiring shall be properly insulated and shall conform to the requirements set forth in the KKK Federal Ambulance specification and the NFPA 1917 Ambulance guidelines. Radio wiring termination points shall be determined by the purchaser.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(659)

DRIVER POWER SEAT

The cab driver seat shall be equipped with a power seat to allow for automatic powered seat adjustment. This seat shall be approved by the chassis manufacturer for use and shall be attached to the existing OEM seating brackets. The seat shall be a color that compliments the interior of the chassis. This seat shall conform and comply with all testing required by FMVSS.

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Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(660)

PASSENGER POWER SEAT

The cab passenger seat shall be equipped with a power seat to allow for automatic powered seat adjustment. This seat shall be approved by the chassis manufacturer for use and shall be attached to the existing OEM seating brackets. The seat shall be a color that compliments the interior of the chassis. This seat shall conform and comply with all testing required by FMVSS.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

MODULE OPTIONS

HEADROOM (MX160E)

DIMENSIONS AND BODY CONFIGURATION

The overall dimensions of the completed ambulance shall be 160 inches long by 95 inches wide. The interior headroom shall be at least 72 inches from the floor to the ceiling.

(690)

RETAINING STRAPS FOR SPINE BOARDS

(Qty) retaining straps shall be installed in the exterior compartment to assist in securing the spine boards in place. The straps shall be fastened to the dividers using a screw and acorn nut to keep the retention straps in place. The straps shall be equipped with a quick disconnect to allow for quick access to the boards.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(262)

STAR OF LIFE EMBLEMS

A complete Star of Life Decal package shall be provided with the completed ambulance. These decals shall comply with the KKK-A-1822 F revision standard and the forth coming edition of the NFPA 1917 Standard

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Ambulance Guidelines for ambulance markings. The decal package shall include all of the standard markings and graphics set forth in those requirements.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(493)

FLOOR COVERING

Lonseal Loncoin II flooring shall be installed in the completed ambulance. The non-slip floor covering shall be rolled at least 3” up the sides of the patient compartment. This floor shall be rolled on the coved floor extrusion and shall be adhered at every point of the floor cove giving a tight secure fit that will not bubble and prematurely tear. The floor shall be a one-piece (seamless) floor and shall be able to be cleaned without having to purchase special or potentially harmful cleaning agents. This roll up floor shall cover the entire length and width of the compartment’s working area. Areas in the floor where the sidewalls and floor meet shall be sealed to prevent any blood borne pathogens from entering. Floor coverings shall extend at least 3 in. (76 mm) up the sidewalls. Floors with screwed on cove molding above the floor is not desired by this department.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

PATIENT COMPARTMENT OPTIONS

(048)

CARDIAC MONITOR TRAY

A cardiac monitor tray shall be installed in a location determined by the purchaser. This monitor tray shall be designed to be universal and secure a number of different types of monitors. The tray shall be bolted secure to the cabinet structure using mechanical fasteners. The tray shall be telescoping to provide ease of access in multiple positions.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(148)

CARDIAC MONITOR TRAY FOR “LIFEPAK 12”

A cardiac monitor designed for a Lifepak 12 shall be installed in a location determined by the purchaser. This monitor shall be securely bolted to the cabinet structure using mechanical fasteners.

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Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(213)

CARDIAC MONITOR TRAY WITH TELESCOPING ARM FOR "LIFEPAK 12"

A cardiac monitor designed for a Lifepak 12 shall be installed in a location determined by the purchaser. This monitor shall be securely bolted to the cabinet structure using mechanical fasteners. The tray shall be telescoping to provide ease of access in multiple positions.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(097)

ADDITIONAL CHROME OVERHEAD GRAB HANDLE 90"

One (1) additional chrome aluminum 90" overhead grab rail shall be mounted in the patient compartment ceiling. The grab rail shall be securely fastened to the roof structure tubes in the patient compartment ceiling at each mounting location. Grab rails attached to roof structures at the ends, or those utilizing aluminum backer plates shall not be accepted.

The grab rail shall be at least 1.25" diameter and shall incorporate a textured grip to ensure a secure grip when the attendant is wearing gloves. The grab rail shall be able to hold at least 300lbs. without showing signs of flex or distortion.

Does your bid comply with the specification as written? Y___ N___

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Does your proposal include an Exception to this Requirement? Y___ N___

(639)

SAFETY YELLOW GRAB HANDLE 90"

One (1) additional safety yellow powder coated aluminum 90" overhead grab rail shall be mounted in the patient compartment ceiling. The grab rail shall be securely fastened to the roof structure tubes in the patient compartment ceiling at each mounting location. Grab rails attached to roof structures at the ends, or those utilizing aluminum backer plates shall not be accepted.

The grab rail shall be at least 1.25" in diameter and shall incorporate a textured grip to ensure a secure grip when the attendant is wearing gloves. The grab rail shall be able to hold at least 300lbs. without showing signs of flex or distortion.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(522)

AUXILIARY CONSOLE ON SQUAD BENCH SIDE

An additional switchplex console shall be installed on the curbside of the patient compartment next to the squad bench. This console shall be programmed to control mission critical items including lights, HVAC, Oxygen and Suction.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(710)

INTERIOR CURBSIDE REAR COMPARTMENT

An interior rear curbside compartment shall be installed on the completed ambulance. This compartment shall be constructed in the same method as the compartments specified in this document. This compartment shall be designed to access two (2) backboards from the inside of the patient compartment as well as the outside of the vehicle.

Does your bid comply with the specification as written? Y___ N___

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Does your proposal include an Exception to this Requirement? Y___ N___

(773)

ALS BAG COMPARTMENT ACCESS WITH RETAINING STRAPS

The ALS Bag cabinet shall include retainer straps attached to the top and bottom of the cabinet structure. The straps shall be a seatbelt style strap with push button release. The strap shall be able to be latched in two locations.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

OPTION MOBILITY PACKAGE

(712) (794) (796)

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SQUAD BENCH SEATING AREA (SAFETY CONCEPT)

A track mounted attendant seat shall be installed on the curbside of the vehicle. The attendant's seat shall be a seamless automotive style seat incorporating a 3 point seatbelt. A lever on the side of the seat shall allow the backrest to fully fold down. The seat base shall also incorporate a swivel to allow the attendant to lock the seat to the side, a 45 degree angle, or forward position. The attendant seat shall be attached to a track to allow the attendant to move from the head to the foot end of the cot with relative ease.

A fully tested (FMVSS) seat track shall be installed under this seat to allow for this movement. The seat track shall be permanently fastened to the side wall tube and side rail structure as well as ½" reinforcement plates in the module subfloor structure. The attendant's seat base shall sit in two formed tracks. The mobile track system shall allow the seat into slide into multiple lockable seating positions. Testing documentation of this mobility track seating system shall be provided. The track shall be pulled tested in all lockable seating positions and not just the most common seating positions and locations. Alternative seat track methods will be considered, but documentation shall be provided proving the track system meets the necessary pull tests set forth in the FMVSS and AMD 025 pull testing requirements.

The purchaser will not accept prototype built models or untested construction methods used only to satisfy the detailed description of this specification. Alternative construction methods shall be detailed in the exceptions section of this bid proposal. Photographs of this construction method shall be provided to allow for adequate comparison.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

HEAD END COUNTERTOP (SAFETY CONCEPT)

Cabinetry shall be located at the head end of the track seating. This cabinetry shall include two (2) drawers facing the attendant's seat as well as a solid surface countertop. A cardiac monitor bracket shall be fastened to the top of the counter. This cardiac monitor bracket shall be easy to access for the attendant in the side facing seat.

The cabinetry shall be constructed of formed powder coated aluminum and shall be attached to the side wall tubes as well as the roll up floor extrusion. The cabinet shall be of a one piece design and shall have the drawer opening precut prior to the installation of the powder coated formed aluminum drawers. Drawers in this location shall be of the same design of the rest of the drawers detailed in this specification.

The purchaser will not accept prototype built models or untested construction methods used only to satisfy the detailed description of this specification. Alternative construction methods shall be detailed in the exceptions section of this bid proposal. Photographs of this construction method shall be provided to allow for adequate comparison.

Does your bid comply with the specification as written? Y___ N___

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Does your proposal include an Exception to this Requirement? Y___ N___

OPTIONS REAR COMPARTMENT

(711)

INTERIOR CURBSIDE REAR COMPARTMENT

An interior rear curbside compartment shall be installed on the completed ambulance. This compartment shall be constructed in the same method as the compartments specified in this document. This compartment shall be designed to access three (3) backboards from the outside compartment. Foot end squad bench cabinet storage shall be accessible from the interior of the patient compartment.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(798)

EXTERIOR COMPARTMENT FOR BACKBOARD STORAGE

An exterior curbside compartment shall be installed on the completed ambulance. This compartment shall be constructed in the same method as the compartments specified in this document. This full height compartment shall be designed to access four (4) backboards and a scoop stretcher from the outside of the vehicle.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(517)

DIGITAL CLOCK OVER THE REAR DOOR

A digital clock wired to the 12V electrical system and shall be installed over the rear entry doors.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(055)

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ANALOG CLOCK OVER THE REAR DOOR

A battery operated analog clock shall be installed over the rear entry doors. This clock shall include an easy to read face with a sweeping second hand.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(050)

SAFETY NET AT HEAD OF SQUAD BENCH

A woven nylon seatbelt style safety net shall be installed at the head of the squad bench to serve as an additional safety barrier. The squad bench net shall be secured to the top, bottom and the curbside wall of the module. Each attachment point shall be bolted to a reinforcement structure at of least ½" thick aluminum plate. The squad bench net shall be interwoven and designed to decrease the force of an object when the vehicle comes to an abrupt halt. The netting and attachment points shall be pull tested to 5000 lbs.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(573)

DRIVER INTENTION WARNING LIGHTS

Warning lights shall be installed at the head of the patient compartment to indicate to the attendants in the rear of the vehicle the intention of the driver. The lights shall be installed in a housing with labels displaying a definition of each of the lights. The low profile indicator lights shall include Two (2) amber and (1) red LED arranged in an amber/red/amber pattern. The red LED shall activate when the ambulance's brakes are applied. The left and right amber lights shall activate when the left or right turn signals are activated respectively.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(561)

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LEFT ARMREST ON HEAD SEAT

Seamless left-hand armrest shall be installed on the attendance seat this armrest shall be able to raise and lower. Permanently mounted arm rests are not desired by the purchaser.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

OXYGEN MEDICAL AIR OPTIONS

(598)

ELECTRONIC CONTROL VALVE WITH MANUAL BYPASS

The ambulance shall be equipped to activate the main oxygen cylinder from the rear control console. The electronic control shall be programmed into the ambulance's multiplexing electrical system. A manual bypass switch shall be installed in an easy to access location to allow the main oxygen regulator to be operated manually.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(346)

DIGITAL OXYGEN PRESSURE SENSOR

A digital oxygen line pressure sensor gauge shall be included with main oxygen system. This system shall monitor and display line pressure of the main oxygen system. An easy to read display shall be located in the main action console area.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

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(560)

“D” PORTABLE OXYGEN CYLINDER STORAGE FORWARD (2) LATERAL DOOR

Portable oxygen cylinder storage for (2) “D” tanks shall be installed on the rear entry door. This cylinder containment unit shall be constructed of engineered preformed aluminum powder coated yellow and shall have a Lexan window covering the hinged door. The unit shall be attached to the rear door. This cylinder storage unit shall completely conceal the portable oxygen cylinders. Access to the cylinder shall be via a side hinged door on the portable oxygen containment unit. Oxygen cylinder bottle storage shall be properly attached to reinforcement plates in this specialized compartment. The portable oxygen containment unit shall be clearly identified as an oxygen storage compartment only.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(261)

“E” PORTABLE OXYGEN CYLINDER STORAGE FORWARD (2) LATERAL DOOR

Portable oxygen cylinder storage for Two (2) “E” tanks shall be installed on the side entry door. These brackets shall be constructed of engineered preformed aluminum and shall have a hinged Lexan protection plate over the top of the bottles. All oxygen cylinder bottle storage shall be properly attached to reinforcement plates in the entry door panel.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(456)

FLOWMETERS (DISS 0-15LPM)

A DISS oxygen flowmeter rated for 0-15LPM shall be provided with the completed ambulance.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

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(471)

FLOWMETERS (DISS 0-25LPM)

A DISS oxygen flowmeter rated for .025LPM shall be provided with the completed ambulance. This flowmeter shall be used for the overhead ceiling oxygen outlet.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

ELECTRICAL OPTIONS

(005)

AUTO EJECT SHORELINE

A 15Amp Kussmaul auto eject shoreline shall be installed on the driver's side of this vehicle. The auto eject shoreline shall eject the external power cord when the chassis ignition is turned to the "ON" position. The auto eject shoreline shall be installed in an aluminum box manufactured for this shoreline. The box shall be attached to the inside of the module so the shoreline has a positive attachment point as well as adequate protection for the unit. This shoreline plug shall be UL tested and listed for external use. When the shoreline is plugged into an exterior source, all 125VAC outlets shall be energized. A label shall be included near the shoreline indicating its function and amperage. The shoreline shall be recessed into the module and shall include a weather proof spring loaded cover.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(011)

POWER INVERTER

A Xantrex 1000 Watt 12VDC to 125VAC power inverter shall be installed in the patient compartment behind the street side cabinetry in a ventilated storage area easily accessible from the interior of the patient compartment. The inverter shall be controlled by a switch on the rear control panel. When this inverter is activated, all 125VAC outlets shall be energized. When activated, the inverter shall emit and modified sine wave pattern for the 125VAC power.

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A 55 amp battery charger shall be incorporated with this inverter. This integrated three stage charging system shall protect the batteries from overcharging as well as undercharging.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(685)

POWER INVERTER TO START ON IGNITION

The Xantrex 1000W inverter shall be programmed by the vehicles multiplexing electrical system to an automatically engage when the chassis ignition is started.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(436)

ADDITIONAL 125VAC AND 12V OUTLETS

(Qty) additional 125VAC and 12V outlet shall be installed in the ALS compartment. These outlets shall be installed to the same specification as the standard outlets mentioned in this document. The 12V outlet shall have a rubber cover to keep the outlet further protected when not in use.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(703)

ESPAR HEATING UNIT

An auxiliary Espar Airtronic D4 diesel fired heating unit shall be installed. This heater shall be installed behind the rear streetside cabinetry and shall be accessible via access panels. The heater shall be programmed to run as a

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backup to the main HVAC system. This heater shall be controlled through HVAC control panel as a separate function. This system shall automatically activate when the temperature of the patient compartment reaches a point where the standard HVAC system cannot keep up with the ambient temperature drop. The Espar heating unit shall be programmed in the multiplexing electrical system to allow for a "Green Mode." When set, this heater shall continue to work without with the chassis engine running. This heater shall also be programmed to operate independently to keep radiant heat in the unit. All diesel fired heaters proposed shall automatically shut off when the diesel fuel level drops below 1/3 tank.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

EXTERIOR VEHICLE FEATURE OPTIONS

(190)

ALUMINUM RUB RAIL

A full length aluminum rub rail shall be installed in the bottom edge of the modular body. This aluminum rub rail shall be securely fastened behind the aluminum sidewall skin and shall be designed for ease of replacement. Each section of rub rail shall have angled end caps to provide an aesthetically pleasing appearance

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(032)

AMBER HALOGEN FLOODLIGHTS WITH COVERS

A pair of amber halogen floodlights shall be installed on the front of the chassis. The floodlights shall be installed in a location that shall not interfere with chassis airflow. Floodlight covers shall be included with the floodlights.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

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(104)(234)

REMOTE AND HEATED VELVAC MIRRORS

The OEM mirrors shall be replaced with remote and heated Velvac mirrors designed specifically for this chassis. The mirrors shall have an integrated convex mirror to provide enhanced visibility. The mirrors shall be controlled by remote in the cab.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(071)

STAINLESS STEEL WHEEL SIMULATORS

The front and rear wheels shall have stainless steel wheel simulators installed. The simulators shall be attached to the wheel lug nuts and shall be clipped into place to ensure a tight fit.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(044)

ULTRA-SOUND WHISTLE

A pair of ultrasonic whistles shall be installed on the front of the ambulance. These whistles shall allow air to push through to create a distinguishable alert at an ultra-high frequency to deter animals from crossing the path of the moving ambulance.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

EMERGENCY WARNING LIGHT OPTIONS

(372)

FRONT AMBER DIRECTIONAL LED LIGHTS

Two (2) Whelen 600 series amber directional LED lights shall be installed on the front of the module just below the front warning lights. These lights shall display a directional pattern of the direction the vehicle is turning when the turn signal is activated.

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Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(089)

REAR AMBER LED TURNING LIGHTS AND RED LED LIGHTS

Two (2) Whelen 600 series amber LED lights shall be installed on the rear of the module below the rear warning lights at mid height. These lights shall display a directional pattern of the direction the vehicle is turning when the turn signal is activated. The exact location of these lights shall be detailed on the bid proposal drawings. (2) Whelen 600 Series red LED lights shall be installed adjacent to the amber lights at the mid height level of the rear module.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(620)

REAR AMBER LED TURNING LIGHTS AND RED LED LIGHTS

Two (2) Whelen 600 series amber LED lights shall be installed horizontally mounted on the rear of the module below the rear warning lights at mid height. These lights shall display a directional pattern of the direction the vehicle is turning when the turn signal is activated. The exact location of these lights shall be detailed on the bid proposal drawings. (2) Whelen 600 Series red LED lights shall be horizontally mounted similar to the amber lights and installed adjacent to the amber lights at the mid height level of the rear module.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(761)

REAR AMBER LED TURNING LIGHTS AND RED LED LIGHTS

Two (2) Whelen 600 series amber LED lights shall be installed horizontally mounted on each side of the rear of the module below the rear warning lights at mid-height of the module. The exact location of these lights shall be detailed on the bid proposal drawings. Two (2) Whelen 600 Series red LED lights shall be horizontally mounted similar to the amber lights and installed adjacent to the amber lights at the mid height level on each side of the rear module. Two (2) Whelen 600 Series clear LED lights shall be horizontally mounted similar installed adjacent to the amber and red lights at the mid height level on each side of the rear module. These lights shall function with the chassis brake turn and backup lights.

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Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(762)

REAR AMBER LED TURNING LIGHTS AND RED LED LIGHTS

Two (2) Whelen 600 series amber LED lights shall be installed vertically mounted on each side of the rear of the module below the rear warning lights at mid height. The exact location of these lights shall be detailed on the bid proposal drawings. Two (2) Whelen 600 Series red LED lights shall be vertically mounted similar to the amber lights and installed adjacent to the amber lights at the mid height level on each side of the rear module. Two (2) Whelen 600 Series clear LED lights shall be vertically mounted similar installed adjacent to the amber and red lights at the mid height level on each side of the rear module. These lights shall function with the chassis brake turn and backup lights.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(092-CLG)

WHELEN FREEDOM LIGHTBAR

A full length 88” Whelen Freedom LED lightbar shall be installed on the front of the cab module on preformed engineered painted aluminum brackets. The lightbar shall be all red LED lights with two (2) center clear LED lights. This lightbar shall flash in a pattern programmed by the multiplexing electrical system. A switch for the lightbar shall be included on the Heads Up Console to independently activate and deactivate the lightbar.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(092-EDM)

WHELEN FREEDOM LIGHTBAR WITH OPTICOM

A full length 88” Whelen Freedom LED lightbar shall be installed on the front of the cab module on preformed engineered painted aluminum brackets. The lightbar shall be all red LED lights and one 3M Opticom traffic light

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emitter incorporated into the center lightbar lens. This lightbar shall flash in a pattern programmed by the multiplexing electrical system. A switch for the lightbar shall be included on the Heads Up Console to independently activate and deactivate the lightbar.

The Opticom emitted shall be individually controlled from the Heads Up Console. The emitter shall allow the Opticom to be turned off independent of the lightbar.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(092) (154)

WHELEN FREEDOM LIGHTBAR

A full length 88" Whelen Freedom LED lightbar shall be installed on the front of the cab module on preformed engineered painted aluminum brackets. The lightbar shall be all red LED lights with two (2) center clear LED lights. This lightbar shall flash in a pattern programmed by the multiplexing electrical system. A switch for the lightbar shall be included on the Heads Up Console to independently activate and deactivate the lightbar.

Three (3) Whelen 900 series LED shall be installed below the front lightbar. Two (2) Whelen 900 series LED lights shall be installed on the upper sides of the front module. One (1) Whelen 900 series clear LED shall be installed in the center of the front module below the lightbar. These lights shall be activated automatically when the vehicle's emergency master is in Primary mode. The center clear LED shall not flash with the vehicle's emergency master switch is in Secondary mode.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(156)

CAB RISER

An aerodynamically formed two-piece fiberglass cab riser engineered and designed specifically for the chassis shall be installed on the top of the chassis. A cab riser is preferred as it has been proven and documented to enhance fuel savings by reducing wind resistance on the front of the module box. The unique aerodynamic riser shall also act as a conspicuous accessory to the front of the ambulance to attract attention to oncoming motorists.

The fiberglass riser shall be attached using existing mounting holes in the OEM B-Pillar as well as a chemical bonding adhesion. The exterior fiberglass cab riser shall incorporate a return at the edges to provide additional strength to the cap. The interior formed fiberglass lighting module being bonded to the exterior cover piece to

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form one solid complete unit. The riser shall be in two (2) pieces with the space between the two (2) sections shall be filled with a foam core insulation.

This piece shall incorporate six (6) Whelen 400 series LED warning lights in red/Clear/red pattern. Exact lighting specifications shall be detailed in the lighting section of this specification. Lights shall be recessed in the fiberglass cab riser and enclosed by a Lexan protective lens that is contoured to specifically fit the cab riser. Automotive window seal and adhesion shall be applied to Lexan covers for easy replacement and maintenance.

The interior of the riser section shall be insulated with anti-vibration foam as well as a dual bubble reflective insulation. Access points for the lights shall be installed in the ceiling of the cab and shall be easy to remove for maintenance.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(Insert in the Exterior lighting section)

CAB RISER LIGHTS

Six (6) Whelen 400 LED lights shall be installed in the aerodynamic cab riser specified. (2) red LED lights shall be installed on each side of the cab riser and shall be visible through the contoured red Lexan lens housing. (2) Clear 400 LED lights shall be installed in the center of the cab riser in the clear contoured Lexan housing. These lights shall flash in an alternating pattern where each red side flashes first followed by the clear lights. These lights shall flash in a pattern programmed by the multiplexing electrical system.

Lights shall be installed in accordance to the component mounting specifications described in the previous section of this bid proposal. These lights shall comply with the lighting requirements established in KKK-A-1822 F revision and the AMD 024, Perimeter Illumination testing requirement.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(156)(153)

CAB RISER

An aerodynamically formed two-piece fiberglass cab riser engineered and designed specifically for the chassis shall be installed on the top of the chassis. A cab riser is preferred as it has been proven and documented to enhance fuel savings by reducing wind resistance on the front of the module box. The unique aerodynamic riser shall also act as a conspicuous accessory to the front of the ambulance to attract attention to oncoming motorists.

MX160 OPTIONS

The fiberglass riser shall be attached using existing mounting holes in the OEM B-Pillar as well as a chemical bonding adhesion. The exterior fiberglass cab riser shall incorporate a return at the edges to provide additional strength to the cap. The interior formed fiberglass lighting module being bonded to the exterior cover piece to form one solid complete unit. The riser shall be in two (2) pieces with the space between the two (2) sections shall be filled with a foam core insulation.

This piece shall incorporate six (6) Whelen 400 series LED warning lights in red/Clear/red pattern. Exact lighting specifications shall be detailed in the lighting section of this specification. Lights shall be recessed in the fiberglass cab riser and enclosed by a Lexan protective lens that is contoured to specifically fit the cab riser. Automotive window seal and adhesion shall be applied to Lexan covers for easy replacement and maintenance.

The interior of the riser section shall be insulated with anti-vibration foam as well as a dual bubble reflective insulation. Access points for the lights shall be installed in the ceiling of the cab and shall be easy to remove for maintenance.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(Insert in the Exterior lighting section)

CAB RISER LIGHTS

Six (6) Whelen 400 LED lights shall be installed in the aerodynamic cab riser specified. (2) red LED lights shall be installed on each side of the cab riser and shall be visible through the contoured red Lexan lens housing. (2) Clear 400 LED lights shall be installed in the center of the cab riser in the clear contoured Lexan housing. These lights shall flash in an alternating pattern where each red side flashes first followed by the clear lights. These lights shall flash in a pattern programmed by the multiplexing electrical system.

Two (2) round LED warning lights shall also be installed on the sides of the riser. These lights shall be installed behind the contoured red Lexan covers on each side of the vehicle and shall project light to the sides of the ambulance.

Lights shall be installed in accordance to the component mounting specifications described in the previous section of this bid proposal. These lights shall comply with the lighting requirements established in KKK-A-1822 F revision and the AMD 024, Perimeter Illumination testing requirement.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(484)

MX160 OPTIONS

ADDITIONAL LATERAL RED LED LIGHTS OVER WHEEL WELL

(Qty) additional Whelen 700 Series warning lights shall be installed above the wheel well fenderette on each side of the body. These lights shall flash in an alternating pattern with the upper side module lights. Each light shall have a chrome flange.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(475)

ADDITIONAL REAR RED LED LIGHTS AT WINDOW HEIGHT

Two (2) additional red Whelen 900 Series warning lights shall be installed above the wheel well fenderette on each side of the module. These lights shall flash in an alternating pattern with the rear module lights. Each light shall have a chrome flange.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(125)

ADDITIONAL REAR RED LED LIGHTS AT WINDOW HEIGHT

Two (2) additional amber Whelen 900 Series warning lights shall be installed on the rear module at each side of the module at the window level. These lights shall flash in an alternating pattern with the rear module lights. Each light shall have a chrome flange.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(589)

CLEAR LED WIG WAG LIGHTS

(2) Whelen 700 Series LED lights shall be installed on a contoured polished aluminum plate. The plate shall be mounted above the grille and shall not restrict airflow to the chassis. When activated by the control in the Heads Up Console in the front dash, these lights shall pulsate back and forth. The pulsating wig wag shall be programmed into the Electronic Controller Unit of the vehicles multiplexing system.

MX160 OPTIONS

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

OTHER OPTIONS

(783)

DOOR PANEL LIGHTS

Whelen TIR3 amber LED lights shall be installed on each compartment door panel. These lights shall be programmed into the multiplexing system to automatically illuminate with the compartment doors are opened and the vehicle's emergency master switch is activated.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(420)

WHELEN TRAFFIC ADVISOR

A Whelen TAL85 46" LED traffic advisor shall be installed above the rear entry doors. The traffic advisor shall be controlled by the traffic advisor controller located in the cab.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

(777)

WHELEN HOWLER

A Whelen "Howler" add-on siren attachment shall be incorporated into the ambulance siren system. This siren shall activate a low pitched frequency to assist the wail or yelp portion of the siren to move traffic. The Howler system shall be programmed to activate automatically when the siren is activated.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

MX160 OPTIONS

RESTOCKING CABINETS

Flip up style restocking cabinets shall be installed on the cabinets designated by the purchaser. Restocking cabinet faces shall be constructed of the same interlocking cabinet extrusion material as all other cabinets specified here. A piano style hinge shall be securely fastened to the top of the cabinet structure to allow the cabinet's face to lift when the small thumb latch is released. A gas strut shall be installed on the side of the cabinet to lift the cabinet's face when it latch is released. The bottom lip of the front cabinet cavity shall be rubber coated as an additional protective surface. The cabinet shall comply with the same testing criteria as other cabinets in this specification.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___

VANNER INVERTER

A Vanner Lifestar 20-1050CUL 12VDC to 125VAC power inverter rated for 1000 watts shall be installed in the patient compartment behind the street side cabinetry in a ventilated storage area easily accessible from the interior of the patient compartment. The inverter shall be controlled by a switch on the rear control panel. When this inverter is activated, all 125VAC outlets shall be energized. When activated, the inverter shall emit and modified sine wave pattern for the 125VAC power.

A 50 amp battery charger shall be incorporated with this inverter. This integrated three stage charging system shall protect the batteries from overcharging as well as undercharging.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an Exception to this Requirement? Y___ N___