

**EMERGENCY MANAGEMENT
MOBILE COMMAND CENTER**

Specifications for

MCC – 30



Brown Specialty Vehicles 807 East 29th Street Lawrence, KS 66046-4998
Phone (785) 842-6506 Fax (785) 842-0314 Toll Free (800) 255-6827

INSTRUCTIONS TO BIDDERS

This specification covers a new commercially built surface emergency response vehicle herein after referred to as module or vehicle. A vehicle in compliance with this specification shall be defined as a standard emergency vehicle. This vehicle shall be in accord with the Design Criteria of the National Highway Traffic Administration, U.S. Department of Transportation, Washington, D.C.

The purpose of this document is to provide minimum specifications and test parameters for the manufacture of an emergency vehicle that meets the needs and desires of this agency. It establishes essential criteria for the design, performance, equipment, and appearance of the vehicle. All dimensions listed are given as the approximate sizes required to meet the requirements of this department. The object is to provide a vehicle that is in accordance with nationally recognized guidelines. All vendors and manufacturers must meet all state and local regulations regarding the manufacturing, licensing, and sale of emergency rescue vehicles within the state.

This is an engineer, design, construct, and deliver type specification and it is not the intention of this agency to write out vendors or manufacturers of similar or equal equipment of the types specified. It should be noted, however, that this specification is written around the specific requirements of this department. With the intent to standardize certain components, certain specific brands have been specified in places. This has been done to establish a certain standard of quality. Other brands will be accepted providing the vendor or manufacturer details how another brand will meet or exceed the quality of the actual brand specified. Because of this, the Review Board reserves the right to accept or reject any and/or all bids.

The emergency vehicle, chassis, modular body, equipment, devices, accessories, and electronic equipment to be delivered under this contract shall be standard commercial products that meet or exceed the requirements of this specification. The vehicle shall comply with all Federal Motor Vehicle Safety Standards (FMVSS) and Federal regulations applicable or specified for the year of manufacture. The chassis, components, and optional items shall be represented in the manufacturer's current technical data. Materials used in the construction shall be new and not less than the quality conforming to current engineering and manufacturing practices. Materials shall be free of defects and shall be suitable for the intended use.

Any exceptions to these specifications must be clearly pointed out. Otherwise, it will be considered that the items offered are in strict compliance with the written specifications and that the successful bidder will be responsible for delivering a vehicle meeting these specifications. Any exceptions must be marked as such within the body of the bid and explained on a separate page marked "EXCEPTIONS".

INFORMATION AND DESCRIPTIVE MATERIAL

The bidder must furnish all information requested in the space provided on the bid form. The manufacturer must also supply at least one [1] complete set of sketches, descriptive literature, and complete specifications covering the products offered. Bids not meeting this requirement will be considered non-responsive and rejected.

PRICES AND PAYMENTS

All bid prices shall be on a F.O.B. destination and acceptance basis at the Purchaser's specified location. These Prices shall be complete and include warranty. Payment shall be made in accordance with these specifications and the Bid Proposal submitted by the Bidder. Payment shall be made upon acceptance of the vehicle(s) and equipment specified under these specifications. All bid prices and conditions must be specified on the bid proposal form. Bid prices shall be valid for at least thirty- [30] days from the date of the bid opening or as otherwise specified on the bid proposal form. Full payment shall be made as each unit is received, inspected, and found to comply with the procurement specifications.

WARRANTY

There shall be provided a five year modular body structural warranty. The five year structural warranty period shall also remain in effect should the modular body be remounted onto a new chassis. This remount must be performed at a service center authorized by the original manufacturer.

WARRANTY SURETY

To ensure quality, service, and full compliance to the above warranties the vehicle, with the exception of the chassis, must be constructed by the body manufacturer. Additional elements constructed and installed "in house" are required to ensure service and parts availability. Subcontractors or lease/rental agreements to outside agencies will fail to meet this requirement. NO EXCEPTIONS WILL BE ALLOWED.

- Does the body manufacturer as the prime contractor construct the modular body?
- Does the body manufacturer as the prime contractor apply paint?
- Are interior cabinets installed by the body manufacturer as the prime contractor?
- Are the wiring harnesses, circuit boards, H.V.A.C., and electronics assembled, installed and tested by the body manufacturer as the prime contractor?
- Is the upholstery for seat cushions, head pads, and backrests assembled and installed by the body manufacturer as the prime contractor?

DELIVERY

Since delivery proposals by the bidder will weigh heavily in the determination of the bid award, the delivery schedules that are submitted by the bidders shall automatically become binding upon the successful bidder. Delivery delays due to component supply problems or chassis delivery problems to the manufacturer shall not penalize either the dealer or the manufacturer. Delivery must be within a maximum of six- [6] months from the date of the award of the bid.

ANTI-COLLUSION STATEMENT

By signing this bid, the bidder agrees that his bid is made without any understanding, agreement, or connection with any other person, firm, or corporation making a bid for the same

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purpose and that his bid is in all respects fair and without collusion or fraud.

Company Name: _____

Bidder Signature: _____

Data Signed: _____

SERVICE FACILITY

The successful bidder must have access to a service facility. Bidders must list below the nearest service facility and parts department to the purchaser.

Facility Name: _____

Address: _____

Phone Number: _____

Contact Name: _____

Approximate Miles
From Purchaser: _____

REFERENCES

All bidders must submit a list containing a minimum of ten [10] customers who are operating a similar vehicle as described in this specification. The customer reference list shall contain the Department name, address, phone number and contact person.

QUALITY ASSURANCE

To ensure the purchaser that proper engineering and production control guidelines have been implemented the body manufacturer shall employ an integrated quality and process control program including specific process controls for facets of the manufacturing process deemed to be critical. These critical elements of the process shall be documented and that documentation shall be available not only to manufacturing personnel but also customers who visit the manufacturing facilities. The critical elements shall be denoted on the vehicle control document, which accompanies the vehicle through the manufacturing process. A sample of this document shall be available to the purchaser upon request. A continuous series of inspections shall be performed and signed off on the vehicle control document and shall include but not be limited to the following:

Conduct a visual inspection of the vehicle body, body welds, and exterior attachments.

Conduct a visual and mechanical inspection of the heater/air conditioning lines, cables, grommets, valve connections, clamps, mounting brackets, belts, etc.

Conduct a visual inspection of the interior cabinets, also sliding/hinged cabinet doors, moldings, flooring, walls, headliner, and cushions.

Conduct a Visual inspection of the vehicle exterior paint, decals, and lettering.

Conduct an operational inspection of all electrical systems of the vehicle. This must consist of tests of battery voltage, electrical load tests, alternator output, beacons, flashers, siren, interior lighting, compartment lighting, power exhaust vent, scene lights, load lights, chassis lights, silent signal lights/buzzer, heat/cool unit, and any optional electrical devices as furnished by the manufacturer. The current requirements of each device tested must be noted on an inspection sheet together with the total current requirements.

All chassis fluid levels shall be checked and filled to capacity. All doors, locks, windows, tires, etc. shall be inspected for proper operation and/or condition.

The completed vehicle must be test driven a minimum of ten [10] miles on paved highways and [5] miles on rough terrain to check handling, brakes, acceleration, and noises.

SERVICE

A toll free number for service requests shall be provided and this number should be the primary contact for all service requests. Scheduling, parts information, and technical support should be available during normal business hours at this toll free number. Additionally the manufacturer must maintain a complete stock of module body parts for rapid replacement when necessary.

Manufacturer must provide a minimum of \$4,000,000.00 in Liability and Workers Compensation Insurance. A copy of this insurance certificate should be provided with bid. **NO EXCEPTIONS**

CRITERIA TO EVALUATE BIDS

Listed below you will find the criteria to evaluate bids for _____(agency). This criteria will carry as much weight as LOW BID so that the office of the _____(name) in evaluating bids will be able to recommend a bid that will be in the best interest for the _____(agency). The criteria is as follows.

1. Low Bid
2. Availability: This unit is a replacement of equipment and consideration of availability will be considered in the award of the bid.
3. Parts availability
4. Rated maintenance and operating data
5. Similar makes and models in the fleet and our maintenance history with them.
6. Capability of vendor to supply the service required.
Ability of unit offered to perform the task of the user or department
7. Warranty: The length and coverage, including any extended warranty.
8. Vendor Performance: How well the vendor performed.
 - a. Responsiveness

- b. Assistance
- c. Training requirements
- d. Warranty claims

WITHDRAWAL OF BID

A Bidder may withdraw a bid any time prior to expiration of the period during which bids may be submitted by a written request signed in the same manner and by the same person who signed the Proposal. No bid may be withdrawn, modified, or otherwise changed once the bids have been opened. It will be assumed that each Bidder has thoroughly and completely familiarized themselves with these specifications at the time of the bid. Modifications to a bid, once submitted will not be permitted. Simply stated, if any item, feature, options, etc. Is not stated in writing in the Bidder's proposal, it will not be considered. Bidders are cautioned that verbal or written modifications to already opened bids are neither valid, or considered ethical, and the comparison and selection of bid award will proceed only from what is stated in Bidder's written proposal. **NO EXCEPTIONS**

AUTHORITY TO PURCHASE FROM EXISTING CONTRACTS:

All bidders submitting a response to this Invitation to Bid agree that such response also constitutes a bid to all governmental agencies under the same conditions, for the same contract price, and for the same effective period as this bid, should the bidder feel it is in their best interest to do so.

Each governmental agency desiring to accept these bids and make an award thereof shall do so independently of any other governmental agency. Each agency shall be responsible for its own purchases and each shall be liable only for materials and/or services ordered and received by it, and no agency assumes any liability by virtue of this bid. This agreement in no way restricts or interferes with the right of any governmental agency to bid any or all items.

MANUFACTURING CAPABILITY

Manufacturer must submit proof of a minimum of 25 years manufacturing experience as the same entity

ENGINEERING CAPABILITY

To demonstrate your company's abilities and to show understanding of the written bid specifications, each manufacturer must submit with the bid, scale drawings of the vehicle it proposes to supply. Drawings must be "design and construct" drawings that will be used in the manufacture of the vehicle. At a minimum they must show overall dimensions, compartment sizes, lighting package, and major specified options. The drawings should show the front, rear, right side, and the left side of the exterior. They should also include the interior bulkhead, street side, curb side cabinet plans and the interior floor plan layout. The reproduction of the drawing furnished with the bid will not be acceptable as each manufacturer utilizes different material sizes and construction techniques. **NO EXCEPTIONS**

PLANT FACILITY

To demonstrate a Manufacturer's capability, pictures of the interior of the plant facility during production hours must be submitted. A minimum of four plant photographs and one office photograph shall be supplied. One of the plant photographs must be an overhead view showing facility from the air.

EMPLOYEE STATEMENT

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

MANDATORY PRE-BID CONFERENCE

A Mandatory Pre-Bid Conference will be held _____, 200_ at __:__ A.M. (P.M). Bidders will convene in the Conference Room of the Augusta Fire Department located at _____(address). Attendance at the mandatory pre-bid conference/site visit is a requirement.

The purpose of the conference is to discuss any questions or concerns vendors may have regarding the specifications. Vendors must fax questions or request for clarifications at least seven (7) days prior to the conference.

Vendors must notify _____(contact person), _____(title) at fax number (____) ____-____ to confirm attendance at the mandatory pre-bid conference.

Vendors will be allowed a ten minute grace period. Any vendor who is not present in the Conference Room within 10 minutes after the time stated for the beginning of the mandatory pre-bid conference shall not be allowed to participate any further in the bid process.

All vendors attending the mandatory pre-bid conference must sign an attendance sheet, complete with the name of the firm, name of the attendee, complete address, phone and fax numbers. Only vendors who have signed the attendance sheet will receive future addenda and will be allowed to bid on this project.

Bids received from vendors who did not attend the mandatory pre-bid conference will be deemed incomplete.

MANDATORY

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PRE-BID CONFERENCE
ATTENDANCE CONFIRMATION FAX FORM

DATE: _____

TO: _____(person), (title)

FAX NO. (____) - ____ - _____

RE: BID NO. _____

_____ (description)

I WILL ATTEND THE MANDATORY PRE-BID CONFERENCE ON _____, _____, 200_ AT
__:__AM(PM)

A Mandatory Pre-Bid Conference will be held _____ __, 200_ at __:__AM(PM). Bidders will
convene in the Conference Room of the _____(agency) located at
_____.

Attendance at the mandatory pre-bid conference visit is a bid requirement.

The purpose of the conference is to discuss any questions or concerns vendors may have
regarding the specifications. Vendors must fax questions or request for clarification at least
seven (7) days prior to the conference.

Vendors must notify _____(contact), (title) at fax number (____) - ____ - _____ to
confirm attendance at the mandatory pre-bid conference.

Vendors will be allowed a 10 minute grace period. Any vendor who is not present in the
_____ Division within 10 minutes after the time slated for the beginning of the mandatory
pre-bid conference shall not be allowed to participate any further in the bid process.

All vendors attending the pre-bid conference must sign an attendance sheet, complete with the
name of the firm, name of the attendee, complete address, phone and fax numbers. Only
vendors who have signed the attendance sheet will receive future addenda and will be allowed
to bid on this project.

Bids received from vendors who did not attend the mandatory pre-bid conference will be
deemed incomplete.

(PLEASE PRINT)

FROM: _____

Vendor

Agent

Mailing Address

City

State

Zip Code

Telephone Number

Fax Number

PRE-CONSTRUCTION CONFERENCE

The successful contractor(s) shall be required prior to manufacturing to have a Pre-Construction conference at the site of his choosing with representatives of this agency to finalize all the construction details. If the bidder requires the conference to be held at a location other than that of the purchaser, the bidder at his/her expense shall provide transportation, lodging and meals, etc., for ____ (number) people designated by the purchaser. If this meeting is to occur at a location more than 300 miles from the purchaser's location, the transportation shall be by commercial air carrier.

FINAL INSPECTION

Two (2) members of the _____ Department, will travel to the manufacturer's plant for the purpose of inspecting the vehicle for compliance to the specifications and for the overall quality of the vehicle.

Costs shall include air transportation on a major commercial carrier to the nearest airport (ground transportation shall not exceed two hours), individual rooms, and meals. Inspections shall be scheduled and funded to be conducted during weekdays, including travel time.

GENERAL VEHICLE DESIGN, TYPE, AND FLOORPLAN

The emergency vehicle and the allied equipment furnished under this specification shall be the manufacturer's current commercial vehicle of the type and class specified. The vehicle shall be complete with the operating accessories as specified herein and furnished with such modifications and attachments as may be necessary or specified to enable the vehicle to function reliably and efficiently in sustained operation. The design of the vehicle and the specified equipment shall permit accessibility for servicing, replacement, and adjustment of component parts and accessories with minimum disturbance to other components and systems. The term "HEAVY DUTY" as used to describe an item shall mean in excess of the usual quantity, quality, or capacity that is normally supplied with the standard production vehicle or component.

INTERIOR HEADROOM

78" of interior headroom shall be provided inside the body. It shall be free of obstructions for the occupant's safety and shall meet or exceed all transportation and regulatory requirements.

TECHNICAL REQUIREMENTS CAB/CHASSIS

The emergency vehicle shall have a Medium Duty chassis and the chassis will be furnished with a two-door cab. The cab/chassis shall be suitable for subsequent mounting of a modular (containerized) transferable equipped vehicle body conforming to the requirements specified herein.

CHASSIS MODEL AND TYPE

The cab/chassis requirement of this specification is a 2008 GMC TC7500 model TC7C042 regular cab, 272" wheelbase, 25,950 lb. GVWR package, and equipped as follows:

STANDARD EQUIPMENT - 2008 TC7C042 Regular Cab

EXTERIOR

- Paint, solid, upper color, Summit White
- Paint, solid, lower color, Summit White
- Exterior roof drip moldings
- Bumpers, front steel, painted argent - Bumper thickness 3.9 mm
- Steps und cab doors
- Front mud flaps
- Integral grille and fenders - The grille is the same color as hood with single halogen headlamps. Entry steps under cab doors are based upon fuel tank type
- Roof marker lamps
- Daytime running lamps
- Windows, Solar-Ray tinted - all windows
- Mirror, manual, 102" (259 cm) wide load, integral arm, integral convex mirror - black molded composite 12" x 7" (30.5cm x 17.8 cm) with 6" x 7" (15.2cm x 17.8cm) convex section
- Windshield wipers, 2-speed and intermittent, with pulse washers
- Provisions for mounting front license plate
- Positive door stops
- Horn, single electric mounted inside engine compartment

INTERIOR

- Seat, driver, high-back bucket, Fixed height, manual adjuster - storage in the seat riser with a small lip at the front to help prevent contents from sliding out.
- Seat, passenger, high-back bucket, Fixed height, manual back angle adjuster - storage in the seat riser with a small lip at the front to stop contents from sliding out
- Seat trim, vinyl, Very Dark Pewter
- Interior trim, Very Dark Pewter
- Center console – located next to driver's seat with tow cupholders
- Molded vinyl floor covering
- Steering wheel 16"
- Two sided single common key for doors and ignition
- Headlamp warning buzzer
- Warning tone, key-in-ignition
- Tachometer
- Electronic engine hour meter
- Engine "Check gauges" telltale light and buzzer, oil pressure gauge
- Gauges, low oil pressure and coolant level, high coolant and engine oil temperature
- Vinyl door trim panels - with storage pockets, beverage holders, and reflectors
- Stepwell storage areas at each door. Includes storage cover
- Cloth headliner
- Sunshades, passenger side and driver side, vinyl-covered
- Coat hooks (2) located on cab back panel
- Powerpoints - two in-cab power sources (in addition to optional cigarette lighter) for electrical plug-in accessories

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- Underhood bodybuilder connections accessory power supply - Provides 12V power supply from the battery with two separate 30 amp fused circuits

MECHANICAL

- Truck application NOTE: Federal Excise Tax (FET) of 12% must be paid on the final selling price for trucks with GVWR's of 33,001 lbs. and above. Trucks that are used primarily to tow a trailer may be liable to Federal Excise Tax (FET) - check with IRS for guidelines.
- Engine, Isuzu Diesel 7800 7.8L I6
- Air cleaner, dry-type standard filter element
- Underhood air cleaner restriction gauge
- Road Speed Governor, controlled by the speed rating of the tires ordered. Most vehicles with 22.5" and 24.5" tires have speed governed to a maximum of 75 mph (120 kph). A few aggressive tire tread patterns may have lower maximum speed ratings that limit governed speed to 65 or 55 mph
- Alternator, 22SI, Delco-Remy 130-amp maximum
- Battery, triple, AC Delco, 750 CCA 12V.
- Exhaust system, single horizontal - driver side mounted inside frame rail, with diesel engines 409 stainless-steel exhaust system, integrated oxidation catalyst, Diesel Particulate Filter (DPF) and exhaust gas cooler.
- Transmission, automatic, Allison 2550 RDS Series 6 Speed
- TransSynd synthetic automatic transmission fluid
- Front axle, 10,000 lbs. (4536 kg) capacity - Up to 53 degree turn angle
- Front suspension, tapered leaf, 10,000 lbs. (4536 kg) capacity
- Front shock absorber, diameter 1.375" (35mm)
- Front wheels, 22.5" x 7.5" (58.9 cm x 19 cm), steel disc - Accuride 10-hole, flange nut, hub piloted, 11.25" (28.5 cm) bolt circle, painted Gray (E- Coat), 13,220 lbs. (5996 kg) capacity
- Front tire size, 11R22.5 G
- Front tire manufacturer code, Goodyear
- Front tire tread, premium highway
- Rear axle, single-speed, Dana 19060S, 19,000 lbs. (8618 kg) capacity - includes 75W-90 synthetic lubricant and National brand oil seals
- Rear wheel drive
- Rear axle ratio, 5.29:1
- Rear suspension, air, 19,000 lbs. (8618 kg) capacity
- Rear wheels, 22.5" x 7.5" (58.9 cm x 19 cm), steel disc - Accuride 10-hole, flange nut, hub piloted, 11.25" (28.5 cm) bolt circle, painted Gray (E-Coat) 26,440 lbs. (11,993 kg) capacity
- Rear tire size, 11R22.5 G
- Rear tire manufacturer code, Goodyear
- Rear tire tread, highway traction block
- Wheelbase, 272" (690.8 cm) - with 206.5" (524.5 cm) CA
- Frame, painted semi-gloss black 8mm rail - 80,000 psi (551,600 kPa) yield strength
- Fuel tank, dual, 100-gallon (380L) fuel capacity
- Steering, power - ZF variable ratio power
- Brake system, hydraulic split - with 4-channel ABS
- Parking brake, hand lever operated transmission mounted drum brake

SAFETY

- Brake system, hydraulic split - with 4-channel ABS
- Air bags, Supplemental Inflatable Restraints not included

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- Seat belt warning indicator
- Daytime running lamps

SELECTED VEHICLE COLORS - 2008 TC7C042 Regular Cab

69V Interior: Very Dark Pewter
50U Exterior 1: Summit White
50L Exterior 2: Summit White

SELECTED OPTIONS - 2008 TC7C042 Regular Cab

VEHICLE APPLICATION

TRUCK APPLICATION NOTE: Federal Excise Tax (FET) of 12% must be paid on the final selling price for trucks with GVWRs of 33,001 lbs. and above. Trucks that are used primarily to tow a trailer may be liable to Federal Excise Tax (FET)-check with IRS for guidelines (STD)

GVWR

Front Gross Axle Weight Rating:	10,000.00
Rear Gross Axle Weight Rating:	19,000.00
Gross Vehicle Weight Rating:	25,950.00

EMISSION

CALIFORNIA STATE REQUIREMENTS (All engines meet 50 State emissions)

DIESEL ENGINE

ISUZU DIESEL 7800 7.8L I6, 215 HP (160 KW) @ 2200 RPM AND 560 LB-FT TORQUE (759 N-M) @ 1450 RPM -Maximum engine speed 2,400 rpm, (Includes KPJ engine shutdown) Oil Level Sensor: Warning sensor for low oil levels

AIR CLEANER

DRY-TYPE STANDARD FILTER ELEMENT

FUEL/WATER SEPARATOR

RACOR FRAME-MOUNTED SPIN-ON TYPE with sight bowl, drain, and paper element. Includes water-in-fuel telltale dash light -Standard with Isuzu diesel engines includes 150 watt heater.

RADIATOR HOSE

SILICONE RADIATOR HOSES – Includes upper and lower radiator hoses

SILICONE HEATER HOSES – Includes front heater, vent, deaeration and compressor hoses

ENGINE BLOCK HEATER

1250-WATT, 110V -Includes protected receptacle on drivers side

ALTERNATOR

22SI, DELCO 130-AMP MAXIMUM

BATTERY

TRIPLE AC DELCO, 750 CCA, 12V -480-minute reserve capacity @ 27 degrees C, 750 CCA @ -18 degrees C

ALARM

AUTOMATIC ENGINE SHUTDOWN WITH ALARM IS STANDARD -Includes reset feature. Activated by low or high engine oil pressure, and high coolant temperature,

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EXHAUST SYSTEM

SINGLE HORIZONTAL-DRIVER SIDE MOUNTED INSIDE FRAME RAIL. With Diesel engines 409 stainless-steel exhaust system, integrated oxidation catalyst on Isuzu diesel, Diesel Particulate Filter (DPF) and exhaust gas cooler.

POWER TAKE OFF

ELECTRONIC ACTIVATION SWITCH, (ELECTRIC HAND THROTTLE), IP MOUNTED -When activated, it adjusts engine rpms. There are two engine rpm selections available which are preset at the factory. Engine RPM settings can be modified at the dealer or body company. PTO price includes cruise control, power-take-off gear in transmission. PTO access is available on driver side only.

AUTOMATIC TRANSMISSION

ALLISON 2550 RDS SERIES 6-SPEED - With parking pawl and column shift, includes 4th Generation Electronic Controls and 0.64 overdrive. Torque ratio: 660 lb-ft (895 N-M). Available with a Gross Vehicle Weight up to 30,000 lbs (13,600 kg) and a Gross Combination Weight Rating up to 30,000 lbs (13,600 kg). Includes PTO gear, transmission oil cooler in radiator and increased cooling.

TRANSMISSION FLUID

TRANSYND SYNTHETIC AUTOMATIC TRANSMISSION FLUID

FRONT AXLE

10,000 LBS. (4536 KG) CAPACITY -up to 53 degree turn angle. Steering Gear Series: AF8016 (STD)

FRONT OIL SEALS

OIL-LUBRICATED "SYNTHETIC" FRONT WHEEL HUBS with clear caps

FRONT SUSPENSION

TAPERED LEAF, 10,000 LBS. (4536 KG) CAPACITY

FRONT STABILIZER BAR

STABILIZER BAR – Solid bar style, 1.5" (38mm)

FRONT WHEEL

22.5" X 8.25" (58.9 CM X 21 CM), POLISHED ALUMINUM - 10-hole, flange nut, hub piloted, 11.25" (28.5 cm) bolt circle, 14,600 lbs. (6622 kg) capacity

FRONT TIRE

11R22.5G-12,350 LBS. (5602 KG) CAPACITY

FRONT TIRE BRAND

GOODYEAR

FRONT TIRE TREAD

PREMIUM, HIGHWAY

SINGLE SPEED REAR AXLE

DANA 19060S, 19,000 LBS. (8618 KG) CAPACITY -includes 75W-90 synthetic lubricant and National brand oil seals

AXLE RATIO

5.29:1

REAR SUSPENSION

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AIR SUSPENSION, 19,000 LBS. (8618 KG) CAPACITY -Includes air release/dump valve switch, bolted suspension, and G68 shock absorbers

REAR SHOCK ABSORBER

REAR SHOCK ABSORBERS -included with air suspensions

REAR WHEEL

22.5" X 8.25" (58.9 CM X 21 CM), POLISHED ALUMINUM - 10-hole, flange nut, Hub piloted, 11.25" (28.5 cm) bolt circle 29,200 lbs. (13,245 kg) capacity

REAR TIRE

11R22.5G-23,000 LBS. (10,430 KG) CAPACITY

REAR TIRE BRAND

GOODYEAR

REAR TIRE TREAD

HIGHWAY TRACTION

WHEELBASE

272" (690.8 CM) -with 206.5" (524.5 cm) CA and 306.7" (779 cm) CE.

FRAME RAIL

RAIL, PAINTED SEMI-GLOSS BLACK 8MM-80,000 PSI (551,600 KPA) YIELD STRENGTH, steel frame, SAE J1392-080XLK steel, dimensions 9 5/8" x 3" x 5/16", section modulus 12.53 cu. in., RBM 1,378,300

REINFORCEMENT

INVERTED "L"-80,000 PSI (551,600 KPA) YIELD STRENGTH extend to rear of frame. Increases section modulus to 20.36 cu in. Increases RBM to 2,239,600. Material is 80,000 psi (551,600 kPa)

FUEL TANK

DUAL, 100-GALLON (380L) TOTAL FUEL CAPACITY, 50-gallon (189.2L) each on driver side and passenger side, steel top tread plate, sump and drain. Fuel tank on passenger side of vehicle extends beyond the back of cab and includes a black tethered fuel cap.

BRAKE SYSTEM

HYDRAULIC, SPLIT BRAKE SYSTEM – with 4-channel ABS disc-type Bosch Hydro Max high performance booster, tandem master cylinder provides independent front and rear circuits, front and rear disc Meritor calipers: 15 3/8" (391mm) rotor diameter, 1 1/2" (39.1mm) rotor thickness with (4) 2 3/4" (70mm) diameter pistons.

AIR COMPRESSOR

HALDEX 292 WATER-COOLED 12.9 CFM

AIR INTAKE COMPRESSOR, draws through engine air cleaner.

BUMPER

FRONT, CHROMED STEEL THICKNESS 5/32" (3.9 mm)

TOWING DEVICES

FRONT TOW HOOKS, FRAME-MOUNTED

CAB/HOOD EQUIPMENT

CHROME GRILLE Based on stationary grille design with chrome finish. Grille is

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attached to radiator support. Headlamp bezels are painted argent.

HYTEC STYLE CAB TO FRAME MOUNTS

POWER CONVENIENCE OPTIONS

POWER CONVENIENCE PACKAGE – includes power door locks, power windows, and a tweeter speaker in each front door

DRIVER CONVIENCE PACKAGE – includes tilt wheel and cruise control

DRIVER INFORMATION

AIR CLEANER RESTRICTION GAUGE-MOUNTED ON INSTRUMENT PANEL.
Deletes standard under hood gauge.

MISCELLANEOUS CAB EQUIPMENT

REMOTE, KEYLESS ENTRY

ECCO BACK UP ALARM 97 decibels

SMOKERS PACKAGE -cigarette lighter/muffin ashtray located on center console

INTERIOR ROOF LAMP -with courtesy and dual reading lamps

TILT-WHEEL ADJUSTABLE STEERING

CRUISE CONTROL

AIR CONDITIONING

DRIVER SEAT

AIR SUSPENSION, HIGH-BACK-National 2000 Series, manual lumbar, “Chugger Snubber” and inboard armrest

PASSENGER SEAT

AIR SUSPENSION, HIGH BACK-National 2000 Series, manual lumber, “Chugger Snubber” and inboard armrest

AIRBAGS

SUPPLEMENTAL INFLATABLE RESTRAINTS NOT INCLUDED (STD)

RADIO

DELCO AM-FM STEREO RADIO/CD – electronically turned, digital display, clock, seek-scan, coaxial and tweeter speakers in each front door

OUTSIDE REARVIEW MIRROR

ELECTRIC REMOTE CONTROL, LIGHTED, HEATED, 102" (259 CM) WIDE LOAD, INTEGRAL ARM, INTEGRAL CONVEX MIRROR -black molded composite 12" x 7" (30.5cm x 17.8 cm) with 6" x 7" (15.2cm x 17.8cm) convex section. Heated mirrors only heat the upper flat glass portion. The lower convex portion is not heated.

PAINT

SOLID NON-METALLIC PAINT (STD)

INTERIOR TRIM

VERY DARK PEWTER

SEAT TRIM

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CLOTH SEAT TRIM

WARRANTY

Basic: 2 Years/Unlimited Miles

Drivetrain:

Isuzu 7800 Diesel Engine - 3 Years/Unlimited Miles

Allison 1000, 2200, 2400, 2500 including HS and RDS models – 3 Years/Unlimited Miles
(Manufacturers Warranty Applies)

Rear Axle: 2 Years/Unlimited Miles

Frame Rails and Cross Members: 5 Years/Unlimited Miles

Cab Corrosion-Perforation: 2 Years/Unlimited Miles

Rust-through: 5 Years/Unlimited Miles

Emissions for Diesel: 5 Years/100,000 Miles

BODY AUTOMATIC LEVELING SYSTEM

Furnish and install one (1) Quadra Touch Pad leveling system with a capacity of #17,000 to #25,000 per cylinder. The overall length of the leveling cylinders shall be ___” in rear and ___” in the front for best operation. The overall cylinder stroke shall be ___” in the rear and ___” in the front for best operation. The ram diameter shall be 1-1/4” and the foot pad size shall be 100 inches. The complete system weight shall be between 190 lbs to 240 lbs and be 12 VDC powered. It shall have fully automatic and/or manual controls. The hoses shall be rubber flex line with JIC fittings. The battery cables shall be 4 gauge plastic coated.

TIRE CHAINS

Furnish and install one Rotogrip II automatic tire chain system on rear of chassis.

FUEL SYSTEM CAPACITY

The fuel system capacity shall be a minimum of 50 gallons and shall meet FMVSS 301 "Fuel System Integrity".

BULKHEAD CAB

The bulkhead cab wall shall be the OEM wall, which matches the dash color scheme.

ENGINE BLOCK HEATER

The OEM chassis engine block heater shall be wired to the external 115 volt power source.

TIRE FILL EXTENSIONS?

Dicor stainless steel braided fill extensions shall be provided on all inside rear tires of the dual rear wheel vehicle.

VEHICLE WIRING

All insulated cable shall conform to SAE J1292 requirements and shall have type SXL high temperature thermoplastic insulation conforming to SAE J1127 and J1128. All wire shall be of a gauge size to carry 125% of the current required without overheating. Where practical, all wires shall be routed in high temperature looms with a rating of 300 degrees Fahrenheit. All conductors shall be annealed copper with machine crimps. Wiring harnesses shall be assembled and warranted by the vehicle manufacturer. All 110VAC wiring shall be fully tinned, type 3 stranded copper round safety duplex boat cable approved by Underwriters Laboratories. The safety color coding of red and yellow conductors are found inside of a white jacket, with non wicking fiber fillers to maintain a round shape. This cable is UL listed boat cable 600V with a 105C temp rating and meets all approvals from ABYC and United States Coast Guard.

NO EXCEPTIONS WILL BE ALLOWED.

ELECTRIC CONTROL CENTER

A dedicated cabinet will house the electrical components. Solenoids, relays, circuit breakers shall be behind a door and are to be mounted securely to the inside of the electrical control center. This door shall hinge out of the way for free movement and for ease of maintenance and repair and shall have a latch to secure the door and be large enough for complete and unobstructed inspection. Ample venting shall be supplied.

INSTALLATION AND PROTECTION

Wires must be grouped or harnessed where practical. Metal edges through which cables pass shall be protected with nonmetallic bushings or grommets. All auxiliary circuits shall be wired separate and distinct from the vehicle chassis circuits, **color coded, and clearly numbered**. All wire passing from the console head shall be encased in a heavy-duty loom. All wiring shall be clipped or otherwise attached at suitable intervals to prevent rubbing or chafing due to wire movement, vibration, etc.

BATTERIES

There shall be three (3) "No Maintenance" 12 volt batteries. They shall total not less than 2250 CCA with 160 minutes of reserve capacity each @ -18 degrees Centigrade. The batteries shall be located in the OEM location under the driver step, below cab door, in a tray.

INTERNAL 12 VOLT DC POWER

When specified all internal 12 volt DC power circuits shall be 12 VDC 20 amp capacities with separately protected circuits. Circuit protection shall be accomplished by the use of manual breakers mounted in the ----- . Due to the potential danger associated with a separate "battery hot" circuit, no exception to the above will be accepted.

CIRCUIT BOARD 12V PANEL

The 12 VDC circuit board panel shall be housed in a heavy .125" H5052 aluminum alloy

housing and face. The face shall have a two-part polyurethane slate gray finish. It shall have countersunk mounting holes throughout. All positive, negative, and grounding buses shall be installed. Panels with meters include toggle switch for monitoring up to three (3) battery banks. All panels are equipped with 12 VDC analog meters. All circuit label positions are backlit. There shall be "ON" indicating LED's installed in all circuit positions.

115 VOLT AC POWER

There shall be 115 volt AC wiring furnished. A three-wire system is used for powering certain equipment, battery charger, etc. The system shall incorporate GFI devices with a 20??15 amp circuit breakers that can also be used as a disconnect switch for the interior 115 volt outlets. The GFI devices shall be located in the galley, bath, communications, and conference areas. All exterior receptacles shall be GFI protected. When an inverter is specified, an automatic transfer switch shall be furnished which will turn off the inverter 115 volt supply when the 115 volt utility shoreline power is applied.

CIRCUIT BOARD 110V PANEL

The 110 VAC circuit board panel shall be housed in a heavy .125" H5052 aluminum alloy housing and face. The face shall have a two-part polyurethane slate gray finish. It shall have countersunk mounting holes throughout. All hot, neutral, and safety ground buses shall be installed and fully pre-wired. There shall be "ON" indicating LED's shall be installed in all circuit positions. Reverse polarity shall be indicated by red LED lights. All circuit label positions are backlit. Panel shall have MIL-C-5541C or equivalent immersion undercoating for lifetime corrosion resistance. The circuit board shall have a maximum panel amperage of 50 Amperes.

INVERTER

An Onan 3000 watt inverter shall be furnished and installed. The inverter shall have a control panel on the interior of the vehicle.

EXTERIOR SHORE POWER

There shall be a 115 volt twist-lock male plug rated at 50 amps or more with a friction-assisted cover assembly, UL listed for exterior use, located on the driver's side of the body close to the driver's door. This shall energize the vehicle's 115 volt AC circuit from an exterior power source. This connector must be labeled: "115 volt AC, 60 Hz, 50 amp power supply".

INTERIOR 115 VOLT AC OUTLETS

There shall be ten (10) three-wire duplex 115-volt AC receptacles. There shall be six [6] in the communications area, one [1] in the gallery area and three [3] in the conference area. There shall be red indicator lights located within each 115-volt outlet to indicate a live "hot" circuit. Add-on style indicators are not acceptable. The receptacles shall be clearly labeled: "115 VAC". There shall be

ELECTRICAL EQUIPMENT

All electrical equipment shall be electromagnetic radiation suppressed, filtered, or shielded to

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prevent interference to radio and telemetry equipment. The RFI shall not exceed SAE J551 limits.

SIREN/P.A. SYSTEM

Whelen

SPEAKER

A Whelen #SA31I01D speaker shall be securely bolted through the chassis OEM front bumper on the driver's side.

SPEAKER

A Whelen #SA31I01P speaker shall be securely bolted through the chassis OEM front bumper on the passenger's side.

BACKUP ALARM

A backup alarm shall be installed on the side of the chassis frame at the rear of the vehicle. This alarm will activate whenever the vehicle is put into reverse gear.

EXTERIOR LIGHTING

Exterior lighting shall conform to FMVSS 108 and consist of halogen headlights, LED ICC clearance lights with chrome brush guards, parking lights, hazard warning lights, license plate lights, tail, stop, and backup lights. Tail and stoplights shall have red, clear, and amber lenses. Electrical wires for the taillights shall be sealed to protect them from the elements of weather.

SCENE LIGHTS

The vehicle body will have eight (8) Whelen scene lights, model # installed 12" below the roof line. There shall be three (3) on the street side, three (3) on the curb side, and two (2) on the rear evenly spaced.

ADDITIONAL SCENE LIGHTS

ARROWSTICK

LIGHTBAR FRONT

LIGHTBAR REAR

120 VOLT 500 WATT QUARTZ LIGHT

Each lamp head shall be 120 volt, Extenda-Lite 500 watts, draw 4.2 amps and have an output of 16,830 Lumens. The lamp head can be rotated 360 degrees, elevate up to 8 feet, have an

on/off toggle switch, and can be tilted without a locking device with the friction controlled knuckle assembly. The screw type locking collar shall be an aluminum extrusion that shall be coated with a clear anodized finish for protection from inclement weather. A plastic collet tightens against the pole. The 46" leg spread and the plug wired at the bottom will provide stability. The wiring shall be a minimum of 16 gauge wire that is properly supported and protected from damage. The light shall pass the 10th edition of UL 153, 83.1 Dielectric Withstand test. A serial number shall be assigned to each light and the results of the quality test shall be recorded and documented to the serial number.

Extenda-Light Tripod Mounting Bracket used to mount Tripod lighting to exterior of emergency vehicle. Two brackets are furnished.

LIGHT TOWERS

FRONT BODY WARNING LIGHTS

SIDE BODY WARNING LIGHTS

REAR BODY WARNING LIGHTS

WARNING LIGHT FLASH REQUIREMENTS

BODY CONSTRUCTION CHARACTERISTICS

The Aft Custom Body shall be 396" long with a 360" main body and a 36' over cab compartment and will be completely designed and manufactured in-house, and will be an all-aluminum body. All body panels, structures, and extrusions shall be fabricated of aluminum using alloys consistent with the load requirements of the vehicle and capable of carrying the maximum payload allowed by the chassis. All framing and structural supports will be welded in accordance with the current standards set forth in the American Welding Society Code. The body shall have a seamless finish with no exposed fasteners. The body shall be attached to the chassis with hardened steel "U" bolts fastened to the chassis and body mounting rails. A neoprene-mounting cushion???? Treated pine sills shall be installed between the modular body and the chassis frame. The body shall be designed and constructed to insure a life expectancy of more than ten years with normal use. The body structure shall be built and warranted by the vehicle manufacturer.

ROOF

The roof shall be constructed of one-piece .040" aluminum. This aluminum shall be a highly corrosion resistant 5052H32 alloy with 2.5% magnesium and a tensile strength range of 28,000 to 33,000 psi. The roof shall then be reinforced the entire length of the unit. For this reason, flat roofs shall be considered unacceptable. There shall be twenty nine (29) .125" x 2" x 2" cross members 16" on center and be made of a highly corrosion resistant 6061T6 alloy with 1% magnesium and .6% silicone with a tensile strength range of 31,000 to 35,000 psi. Corner caps shall be cast aluminum and welded in place.

WALLS-Option one

The sides shall be constructed of .063" pre-painted aluminum sheets with a highly corrosion resistant 5052H32 alloy with 2.5% magnesium and a tensile strength range of 28,000 to 33,000 psi. The body shall have straight sides free of waves and welding warp. Each sidewall shall have twenty nine (29) vertical .125" x 2" x 2" wall studs 16" on center and joined to the roof supports. The body 2" x 2" channels shall be a highly corrosion resistant 6061T6 alloy with 1.0% magnesium and .6% silicone and a tensile strength range of 31,000 to 35,000 psi. All box 2" x 2" roof and side support bows are .125" aluminum. Vertical corner extrusions shall be .125" thickness and have a 5" radius. The vertical extrusions shall be of a web construction design for internal structural support.

WALLS-Option two

WALLS-Option three

WALLS-Option four

FLOOR

The body floor shall have a 3" I-beam frame structure with main members all being fully welded and gusseted. This framework is mounted using rubber gaskets to prevent contact of dissimilar metals. The steel I-beam framing shall be on average of 16" on center. The floor frame is then covered the entire length with a **Filon translucent moisture barrier** mounted under the subfloor to act as a heat shield and vapor barrier. The subfloor is then sealed and fastened to the floor structure.

ENTRY DOORS

The door frame assembly shall be heavy duty extruded aluminum with a baked on enamel finish. It shall have three separate hinges with polymer bushings. The hinge system shall comply with FMVSS 206 and CMVSS 206. It shall have a sloped seal to promote drainage. The seals shall be large continuous automotive type held in by a T-slot. Use of adhesive seals is not permitted. The door core assembly is 1-13/16" thick with a 14 gauge steel inner frame that allows the door to be camber free. An automotive style lock with integral dead bolt shall be utilized. The door window shall be a radius

DOOR WINDOWS

The entry/egress doors shall be provided with an 27" high x 19" wide window. It shall have tempered automotive safety glass.

ENTRY STEPS

The step shall be constructed of aluminum diamond plate and shall be reinforced. It will be a double step set up. It shall be at least 32" wide and shall allow easy entry and egress.

BODY WINDOWS

EXTERIOR COMPARTMENTS

EXTERIOR COMPARTMENT DEPTH

All exterior compartments shall have a clear depth of approximately 30".

LEFT SIDE COMPARTMENTATION

FORWARD OF REAR WHEEL WELL - D1 AND D2 (STREETSIDE)

Two lower compartments shall be provided in the forward area ahead of the entry/egress door. The (D1) compartment shall have the approximate dimensions as follows: 60" wide x 30" high. The (D1) compartment shall have a solid flush mounted top hinged door constructed of aluminum. The (D2) compartment shall have the approximate dimensions as follows: 48" wide x 30" high. The (D2) compartment shall have a solid, flush mounted, vertically hinged door, constructed of aluminum.

REAR OF WHEEL WELL – D3 AND D4 (STREETSIDE)

Two lower compartments shall be provided in the forward area behind the rear wheel well. The (D3) compartment shall have the approximate dimensions as follows: 48" wide x 30" high. The (D3) compartment shall have a solid flush mounted top hinged door constructed of aluminum. The (D4) compartment shall have the approximate dimensions as follows: 48" wide x 24" high. The (D4) compartment shall have a solid, flush mounted, vertically hinged door, constructed of aluminum.

RIGHT SIDE COMPARTMENTATION

FORWARD OF REAR WHEEL WELL - P1 AND P2 (CURBSIDE)

Two lower compartments shall be provided in the forward area ahead of the entry/egress door. The (P1) Generator compartment shall have the approximate dimensions as follows: 60" wide x 30" high. The (P1) compartment shall have a solid flush mounted top hinged door constructed of aluminum. The (P2) compartment shall have the approximate dimensions as follows: 48" wide x 30" high. The (P2) compartment shall have a solid, flush mounted, vertically hinged door, constructed of aluminum. The generator compartment shall have a louvered vented door.

REAR OF WHEEL WELL - P4 AND P5 (CURBSIDE)

Two lower compartments shall be provided in the forward area behind the rear wheel well. The (P4) compartment shall have the approximate dimensions as follows: 48" wide x 30" high. The (P4) compartment shall have a solid flush mounted top hinged door constructed of aluminum. The (P5) compartment shall have the approximate dimensions as follows: 48" wide x 24" high. The (P5) compartment shall have a solid, flush mounted, vertically hinged door, constructed of aluminum.

EXTERIOR COMPARTMENT FABRICATION

All exterior compartments shall be constructed of .125" aluminum 5052H32 walls and ceilings with .125" smooth aluminum floors, formed and MIG welded. Exterior compartments are welded to the floor structure components for strength and durability. All exterior compartment doors shall be equipped with gas charged hold open door check. Exterior compartments shall be top

hinged.

Alternate Construction: All exterior compartments shall be constructed of 12 gauge steel walls and ceilings with 12 gauge steel floors, formed and MIG welded. Exterior compartments are welded to the floor structure components for strength and durability. All exterior compartment doors shall be equipped with a gas charged hold open door check.

EXTERIOR COMPARTMENT DOORS

Each exterior compartment door shall be constructed of .125" 5052H32 aluminum sheet double pan formed with a 1.5" return bend with recessed offset supporting the .063" 3003 alloy aluminum diamond plate interior liner. Extruded doors and/or doorframes are not acceptable. In addition, for maximum rigidity, 2.375" "C" channel bracing shall be added internally for additional door structural integrity. The exterior face of the door and the door edges shall be formed from one [1] sheet of aluminum. All doors shall be flush with the body side and shall be fully insulated with sheet Styrofoam. When opened, the doors will activate their respective compartment lights. All compartment doors shall be keyed alike.

EXTERIOR COMPARTMENT DOOR HANDLES AND LATCHING

Door hinges shall be full length steel with a 1/4" stainless pin and shall be fastened to the door and door frame with rivets. The locking mechanism shall be a D-Ring style. Latches shall be near flush with the door skin. Each latch must be capable of being locked independently with an exterior key lock.

COMPARTMENT DOOR SEALS

For optimum fit and closure, the compartment doors shall close on a .625" W x .400" thick automotive bulb gasket attached to interior surface of the double pan-formed compartment doors. The gasket seal shall be attached to this surface to prevent exposure of the compartment to water or dirt when the door is closed.

COMPARTMENT ILLUMINATION

Each exterior compartment shall be lighted with [Litco lights #69000200](#). These lights shall have Lexan clear lenses recessed into the compartment sides and/or ceiling - in our standard positions. Each door shall have an individual automatic switch. The switches shall be mounted in the door frame for both maintenance-free operation and protection from the weather.

INSULATION – POLYSTYRENE

The module shall have 1-1/2" high density polystyrene insulation in the walls and ceiling giving an insulation factor of R-9. The insulation shall be fire retardant, non-settling, non-hydroscopic, and mildew and vermin proof. Additionally the ceiling shall be insulated with 1/4" astro-foil bubble insulation.

CAB CONNECTION

Accordian bellows cab connector

ADJUSTABLE SHELVES

One (1) adjustable shelf will be provided and installed in the D-1, D-2, D-3, and D-4 compartments. Each shall be easily adjusted to accommodate equipment/supply requirements.

ADJUSTABLE SHELVES

One (1) adjustable shelf shall be provided in the P2, P3, and P4 compartments. It shall be easily adjusted to accommodate equipment/supply requirements.

ADJUSTABLE SHELVES - ADDITIONAL

_____ adjustable shelves shall be provided in the D_ or P_ compartment. It shall be easily adjusted to accommodate equipment/supply requirements.

EXTERIOR GRAB RAIL

An exterior style 16" stainless steel grab rail shall be installed on the curbside of the vehicle to the left of the entrance door. The grab rail must be bolted to the aluminum side structure with fender washers and rubber gaskets. A grab rail mounted to the body skin is unacceptable.

REAR BUMPER

The rear bumper shall be an I.C.C. and state D.O.T. approved design. The rear bumper shall be constructed of Galvaneal steel angle and channel and painted with a rust resistant black enamel finish.

BODY HARDWARE

All body hardware and all compartment and entry doors are mounted on the module body. All stainless screws are sprayed in electrolysis preventive solution before installing on the module body. This is necessary to prevent future electrolysis. NO EXCEPTIONS WILL BE ALLOWED.

FUEL ENTRY AND STEP

There shall be a fuel tank cover with a recessed step attached to the curbside of the chassis cab. The cover shall be constructed of .125" 3003 alloy aluminum diamond plate.

FENDERETTES

Fenderettes shall be provided in each rear wheel well. They shall help prevent damage to the underside of the body caused by stones and road debris.

BATTERY COVER AND STEP

Attached to the curbside of the chassis cab shall be an aluminum diamond plate battery tray cover incorporating an entry step. The cover shall be constructed of .125" 3003-alloy aluminum diamond plate and shall provide access to the batteries. The cover shall be bolted on.

LICENSE PLATE HOLDER

The rear license plate holder,

REAR MUDFLAPS

A set of rear mud flaps shall be installed on the rearward side of each rear wheel well. The mud flaps shall be black in color.

UNDERCOATING

Undercoating shall be liberally applied to the entire undercarriage of the chassis and vehicle body. Undercoating must be applied according to OEM chassis manufacturer guidelines.

BODY AWNINGS

Two (2) Carefree twenty foot (20') electric awnings with windsmart detector shall be installed one (1) on each side of vehicle body.

SLIDE OUT BODY MODULE

Furnish and install one (1) eight foot (electric or mechanical) slide out compartment in the curb side operations area of the vehicle. The slide out shall have one window.

INTERIOR COMPARTMENT COMPONENTS

CABINERY

All cabinets are constructed of 100 percent aluminum panels, aluminum extrusions and steel fasteners for weight reduction, corrosion and a high strength to weight ratio. The cabinets shall be specifically designed for installation in trailers and moving vehicles

Drawers are to be all aluminum construction. The drawers are fully integrated into the cabinet with no visible frame or surrounding box for an aesthetically pleasing quality professional finish. The drawers will feature full width extruded pull handles and integrated self-latching mechanisms allowing one hand unlocking and opening on the entire width of the pull handle.

The cabinets shall be constructed of all aluminum sheet metal 5052 – H32 alloy. The aluminum extrusions shall be prime billet 6063-T5 or T6 alloy, architectural surface quality. All principle walls to be no less than .090” thick. Where stainless steel is used it shall be a minimum of 304 Stainless Steel alloy with #4 brushed finish.

All fasteners are zinc plated, stainless steel, or aluminum. All nuts are Nyloc / Spin Lock self-locking. Assembly bolts are custom flat head carriage bolts for ease of assembly and disassembly. Cabinets are to be designed so that individual components can be easily replaced. Rivets of any type are not to be used in cabinet construction.

Latches are cast zinc with polyester powder coat finish. The latch shall be a single motion Latch that can be operated with one hand. Hinges are continuous extruded all aluminum staked

hinges. Shelf brackets are zinc-plated steel and able to be placed across from each other on both sides of a panel in the same mounting slots via self-mating brackets.

Countertops are industrial grade laminate bonded to 3/4" thick exterior grade particleboard (Optional Aluminum and Stainless Steel tops are available).

Drawer latches are solid molded glass reinforced Nylon. Drawer slides are all steel, double carriage ball bearing full extension slides capable of withstanding 250 lbs loading per drawer. Slides will disconnect for ease of drawer removal.

All sheet components are coated with baked on polyester powder coat - door backs are pre-finished coil coated aluminum. The finish shall be UV and scratch resistant. The extrusions shall receive a 204-R1 Class 2 Architectural clear anodized finish.

The frames are fabricated from .090 wall extrusions with square cut and coped ends. Door hinges are secured to frame with self-locking nut and bolt hardware. Frames are pre-punched with all required assembly and mounting slotted holes. All sheet components are CNC punched from new sheet material. Doors are formed to a 1" thickness from a single sheet of aluminum. The overhead and wall cabinets are .063" thick. The base and closet cabinets are .080" thick. All doors to have .040" pre finished aluminum sheet back continuously bonded to face sheet with VHB structural bonding tape. Overhead doors have a mechanical folding hold open mechanism. All doors have full length pivoting handles with a self-latching, independently sprung latch mechanism.

All sheet components are CNC punched from new sheet material. Drawers are all .080" aluminum construction with welded corners. Drawers are encased in a .080" aluminum insert case designed to mount into cabinet faces and integrate with no visible frame around drawers. Drawer has full width extruded aluminum pivoting handle with a self actuating dual self-actuating latches to eliminate two-hand operation. The exterior drawer finish is powder-coated/ anodized to match surrounding cabinet.

The end and center panels are .063" aluminum sheet at overhead and wall cabinets - .080" thickness at closet and base cabinets - all punching, drilling, and forming done prior to finishing - all components must be CNC punched for consistency. All cabinets are provided with a mounting feature perimeter. All panels are finished on all exposed surfaces, inside and outside, after fabrication. Shelves are constructed of .090" mill aluminum and all sides are hemmed over to prevent sharp edges from being exposed. Shelves must include adjustable mounting bracket and securing screw. Shelf slots to be punched in side panels. **No Exceptions**

CONFERENCE AREA CABINETS

STREETSIDE OVERHEAD CABINET

A cabinet approximately 24" high x 120" wide with five equal doors shall be installed above the conference work center and shall be provided with one (1) full compartment adjustable shelf behind each door. It shall have a "Dry Erase finish" surface on all doors. The doors shall have a full length aluminum pull handle on each door. Overhead cabinets shall have radius edges and corners for occupant protection.

STREETSIDE BASE CABINET

A street side base cabinet will be installed in the conference work center. It will be approximately 29" high x 40" wide with 4 drawers 6 inches high and two drawers approximately 12 inches high with a full length counter top 21" deep x 120" long with a gasket lock radius backsplash. The drawers shall have a full length aluminum pull handle on each drawer. The base cabinet shall have radius edges and corners for occupant protection.

STREETSIDE EQUIPMENT CABINET

A street side base cabinet will be installed in the conference work center. It will be approximately 40" high x 24" wide with one (1) full compartment adjustable shelf behind the door. The door shall have a full length aluminum pull handle on the door. The base cabinet shall have radius edges and corners for occupant protection.

CURBSIDE WORK BENCH

A curb side work bench base shall be installed in the primary conference area. It shall be fabricated from aluminum "Z" extrusions and be covered with 3/8" plywood and FILON panels. The interior of the work bench shall house the potable water tank and plumbing. A seamless cushion shall be installed and attached to the lid for seating. Cushion shall be removable for cleaning.

CURBSIDE SLIDE OUT WORK BENCH

A curb side seating bench shall be installed in the primary conference area slide out. It shall be fabricated from aluminum "Z" extrusions and be covered with 3/8" plywood and FILON panels. The interior of the work bench shall be a storage area for supplies. A seamless cushion shall be installed and attached to the lid for seating. Cushion shall be removable for cleaning.

GALLEY AREA CABINETS

GALLEY OVERHEAD CABINET

An overhead cabinet approximately 24" high x 48" wide with one door and a space for a microwave oven insert with raised internal floor shall be installed above the conference work center and shall be provided with one (1) full compartment adjustable shelf behind each door. It shall have a "Dry Erase finish" surface on all doors. The doors shall have a full length aluminum pull handle on each door. Overhead cabinets shall have radius edges and corners for occupant protection.

GALLEY BASE CABINET

Install a curbside base cabinet approximately 40" high x 48" wide. Cabinet shall have two doors and an opening for a refrigerator. The doors shall have full length aluminum pull handle on each door. The base cabinet shall have radius edges and corners for occupant protection.

GALLEY REFRIGERATOR

A Norcold 2.7 cubic foot refrigerator model # DE-0251 T shall be furnished and installed in the galley base cabinet. It shall have adjustable door bins for various container sizes. Freezer shelf

shall hold ice cube tray. Refrigerator shall have durable and easy to clean white powder coated shelves. Refrigerator shall provide for off-level operation up to 30 degrees.

MICROWAVE

A _____ microwave shall be furnished and installed in the galley overhead cabinet.

GALLEY POTABLE WATER SYSTEM

The galley shall be equipped with a rectangular single stainless steel sink, 4" center set faucet, sink strainer, 30 gallon fresh water tank, and a holding tank. It shall include a Shur-Flo model # 2088-422-44412V water pump with sound absorbing base plate, an exterior potable water fill with cap, water level gauge, and a drain petcock on the water tank. It shall be completely plumbed for the DWV system. An additional five gallon water jug shall be furnished. Water pump shall be warranted for five years.

GALLEY HOT WATER HEATER

A 2.5 gallon electric hot water heater shall be furnished. It shall be properly vented and installed per the manufacturer's recommendations.

RESTROOM AREA

COMMODE

A Thetford C200CS cassette toilet shall be installed. A Thetford C200CS cassette holding tank shall be furnished.

MIRRORED STORAGE CABINET

A mirrored wall mount with depth to store toilet tissue shall be installed in the restroom area.

EXHAUST VENT

RESTROOM DOOR

A 24" X 74" solid door with aluminum perimeter frame and polystyrene core mounted in aluminum jamb with a chrome plated paddle door lock shall be furnished.

COMMUNICATIONS AREA CABINETRY

STREETSIDE OVERHEAD CABINET

A cabinet approximately 24" high x 90" wide with four equal doors shall be installed above the communications work center and shall be provided with one (1) full compartment adjustable shelf behind each door. It shall have a "Dry Erase finish" surface on all doors. The doors shall have a full length aluminum pull handle on each door. Overhead cabinets shall have radius edges and corners for occupant protection.

STREETSIDE BASE CABINET

Two (2) street side base cabinets will be installed in the conference work center. They will be approximately 29" high x 20" wide with two drawers approximately 12 inches high with a full length counter top 21" deep x 90" long with a gasket lock radius backsplash. The drawers shall have a full length aluminum pull handle on each drawer. The base cabinet shall have radius edges and corners for occupant protection.

STREETSIDE COMMUNICATIONS CABINET

A street side base cabinet will be installed in the conference work center. It will be approximately 75" high x 24" wide. The door shall have a full length aluminum pull handle on the door. The base cabinet shall have radius edges and corners for occupant protection.

A 19" equipment rack shall be installed in cabinet.

CURB SIDE OVERHEAD CABINET

A cabinet approximately 24" high x 114" wide with five equal doors shall be installed above the conference work center and shall be provided with one (1) full compartment adjustable shelf behind each door. It shall have a "Dry Erase finish" surface on all doors. The doors shall have a full length aluminum pull handle on each door. Overhead cabinets shall have radius edges and corners for occupant protection.

STREETSIDE BASE CABINET

A street side base cabinet will be installed in the conference work center. It will be approximately 29" high x 40" wide with 4 drawers 6 inches high and two drawers approximately 12 inches high with a full length counter top 21" deep x 114" long with a gasket lock radius backsplash. The drawers shall have a full length aluminum pull handle on each drawer. The base cabinet shall have radius edges and corners for occupant protection.

INTERIOR COMPARTMENT WALLS

The interior compartment walls shall be constructed of custom "Z" extrusions ___" x ___" with ___ wall covered with 3/8" plywood and FILON panel.

POCKET DOORS

Sandwiched between two interior walls shall be an aluminum pocket door that will be 32" wide x 74" high. It shall be constructed from pre-finished white .063" aluminum riveted together with a polystyrene core. The door shall slide on a double roller upper door track. There shall be a pocket door between the galley and conference area and a pocket door between the galley and communications area.

INTERIOR COMPARTMENT LIGHTS

Nine (9) Thinlite brand 18" recessed fluorescent lights shall also be provided and installed. On/off position switches shall be provided in convenient locations.

Six (6) 18" surface mounted Thinlite lights shall be provided and installed in the primary operations area consoles. These lights shall have a manual "on/off" switch.

CEILING HEADLINER

The headliner shall be constructed of a durable high-gloss Filon backed with a substrate material of 3/8" plywood.

STEPWELL LIGHTS

The interior step wells of the patient compartment shall have a Grote light recess mounted, to illuminate the stepping surfaces. It shall be activated by opening the entry/egress door of the vehicle.

FLOORING

A 3/4" plywood subfloor shall be installed on top of the one piece FILON sheet. The 3/4" plywood sheet shall be securely fastened with sheet metal screws long enough to penetrate the 3" Steel I-Beams below the FILON sheet. Underlayment substrate shall be placed over the plywood to create a level smooth surface for the vinyl flooring. This process shall create a sandwich effect for long lasting durability and a solid surface.

SLIDING DOOR WALK-THROUGH

There shall be a sliding access door 58" high x 20" wide x 3/4" thick and shall have a fixed, tinted Plexiglas window trimmed in aluminum. The door shall slide freely on a suspended track with a bottom guide and shall have positive latches to hold it in both the open and closed positions. The door shall slide behind the driver seat.

An aluminum partition wall framed with aluminum "Z" channel placed on 16" centers and plated with .063" aluminum formed and attached to the roof, both sides, and floor shall be installed. The interior compartment side of the partition shall be covered with 3/8" plywood covered with FILON. The driver's side of the partition shall be covered with a mildew resistant marine style carpet of a color that matches with the cab interior colors.

H.V.A.C. EQUIPMENT

Three (3) Coleman MACH 3 PLUS RV air conditioners with heaters shall be furnished and installed. The roof mounted air conditioners shall deliver a minimum of 13,500 BTU hour of cooling and delivers 340 cu. ft. of air movement per minute on high. The Heater Assembly shall deliver 5600 BTU of heat on high setting.

Two (2) propane furnaces one (1) in the operations area and one (1) in the communications area shall be furnished and installed.

VACUUM FORMED UPHOLSTRY

All seating and backrests (including the technicians seat) shall be constructed of 60 ounce vacuumed formed, seamless vinyl.

COMMUNICATIONS, TELEVISION, AUDIO/VISUAL, AND RADIO EQUIPMENT

A DVD/VCR shall be installed in the upper cabinet on driver's side of vehicle.

Pre-wire for the weather station that will be installed in the communications area.

Two (2) 10 gauge power and two (2) ground wires, two (2) RG58U coax cables, and two (2) PL 259 connectors shall be installed. Power, ground, and coax shall be installed behind the passenger seat. There shall be an 18" service loop at the antenna base and a 36" service loop at the termination.

FIRE EXTINGUISHER

Three (3) 5 pound rated ABC fire extinguisher with mounting brackets shall be furnished with the vehicle. These shall be shipped loose to allow the department to install in the desired locations in the conference, communications and galley areas.

CARBON MONOXIDE MONITOR

A carbon monoxide monitor shall be installed in the communications area.

SMOKE DETECTOR

A smoke detector shall be installed in the communications area.

BACK UP CAMERA

Sonar-Camera Integrated Unit, 7" WIDE TFT LCD Monitor, 3 Channel camera input , 2 Channel sonar input (for rear detection), 6 Step Detection Distance Indication, 1/3CCD Camera Built in microphone, Auto iris, IR illumination, Mirror Feature, Built in speaker, Adjustable speaker volume, Day night sensor, Normal on screen with switch, Mute Feature and Auto Reset Volume, Reverse activates the SONAR & CAMERA SYSTEM, Select s/w illumination when ACC ON, SONAR and CAMERA Self Diagnosis

PAINT

To produce a high quality paint finish and to comply with the paint manufacturers certification requirements the preparation and painting process described below, must be used.

Prior to initiating the surface preparation process, all hardware, handles, light fixtures, door hinges, corner trim, etc. shall be removed from the body. Additionally, any portion of the chassis, which does not require refinishing, shall be protected from the ensuing processes.

To rid the aluminum body of any extraneous materials or material impurities the entire surface shall be washed and wiped with a certified wax and grease remover. The entire surface shall be sanded with 80-grit dry sandpaper to provide a good base for the fillers and primers. Excess weld material shall be removed by grinding all welds, seams, and any other body imperfections. These areas shall be filled with premium lightweight filler and sanded smooth. Premium glaze putty shall be applied to the sanded areas to provide adequate base for the adherence of primers. The higher elasticity of the glaze putty eliminates future cracking problems.

The entire surface shall be washed a second time with wax and grease remover before application of any primers. Acid-based, self-etching primer shall be applied to provide a base for adequate adherence of materials to be applied in subsequent steps of the process. Epoxy primer/surfacer shall be applied. The entire surface shall be sanded smooth and epoxy primer/surfacer applied a second time followed by a urethane sealer.

Door edges and door jambs shall be prepared similarly to other body surfaces and finish painted with a certified single-stage paint. The entire surface of the vehicle body shall be DA finish sanded with 220 grit dry sandpaper. The surface shall be washed and wiped with a certified wax and grease remover and tacked for sealing.

A full wet coat of primer/sealer shall be applied and allowed to dry. A minimum of two (2) medium wet coats of basecoat paint shall be applied. Following the prescribed drying time, the vehicle shall be masked for the application of striping and graphics (if specified) and appropriate basecoat colors applied.

Urethane clear coat paint shall be applied in three (3) full wet coats and baked at 165 degrees F. for 45 minutes. The body is then color sanded with 1000 grit paper, compounded, buffed, and polished.

BODY PAINT COLOR

The body shall be painted a single color.

MAIN PAINT STRIPE(S)

Two (2) single color paint stripes shall be provided on the vehicle. Paint color, paint code, stripe dimensions and layout shall be provided by the department after award of bid.

PINSTRIPING

LETTERING

Thirty Four (34) 3" high reflective letters shall be provided and installed. Each letter shall be shaded with vinyl material. The lettering shall be GOLD in color, shall be in Roman # 1 font, shall be located on both chassis cab doors and shall read:

Line 1: "AUGUSTA FIRE RESCUE"

Sixteen (16) 4" high reflective letters shall be provided and installed. Each letter shall be shaded with vinyl material, down and to the left.

The lettering shall be red in color, shall be in Roman #1 font, shall be located on both sides of module and shall read:

Line 1: " RESCUE * * " , ** TO BE ASSIGNED BY AUGUSTA FIRE DEPARTMENT

Thirty Four (34) 6" high reflective letters shall be provided and installed. Each letter shall be shaded with vinyl material, down and to the left. The lettering shall be red in color, shall be in Roman #1 font, shall be located on both sides of module and shall read:

Line 1: "AUGUSTA FIRE RESCUE"

Twenty (20) 4" high reflective letters shall be provided and installed. Each letter shall be shaded with vinyl material, down and to the left. The lettering shall be GOLD in color, shall be in Roman # 1 font, shall be located on both cab fenders and the front & rear of module and shall read:

Line 1: " * * * * * ", State assigned number

Each letter shall be shaded down and to the right.

SAFETY STRIPE

The body shall have a 6" wide reflective safety stripe around it's entire perimeter, positioned mid module from the ground.

MARKINGS / LOGOS

OPERATOR'S MANUAL

A vehicle owner's manual (reference handbook) for the ambulance shall be provided in an 8 1/2" x 11" three-ring hard cover loose leaf binder. It shall contain copies of the chassis manufacturer's warranties and owner's manual, copies of the body manufacturer's warranties and operating/service instructions, component manufacturer's equipment information, installation, operating, service instructions, warranties, etc.

<customer name>
BID FORM

NAME OF BIDDER: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE: _____

PERSON TO CONTACT: _____

We herewith submit and bid as follows:

CHASSIS/MAKE: _____

MODEL/TYPE: _____

F.O.B. POINT: _____

DELIVERY/CALENDAR DAYS: _____

BID IS: _____ AS PER SPECIFICATION TAKING NO EXCEPTIONS

6/9/2008

BID IS: _____ TAKING ONLY THOSE SPECIFICATION EXCEPTIONS LISTED, ATTACHED AND REFERENCED TO PARAGRAPH

It is agreed by the undersigned bidder that the signature and submission of this bid represents the bidder's acceptance of all terms, conditions, and requirements bid specifications and, if awarded, the bid will represent the agreement between the two parties.

SIGNED: _____ DATE: _____

NAME PRINTED: _____ TITLE: _____

*NOTE: All variations and/or exceptions must be listed on the attached pages by page and paragraph number from specifications and explained in detail. Failure to so list the exceptions will disqualify the bid.

6/9/2008
