



ALEXIS DEMO FLAT BED

Gentlemen:

We hereby propose to furnish, after your acceptance, approval, and proper execution of the accompanying contract, the fire apparatus as follows:

One (1) Alexis

As per specifications attached herewith.

TOTAL APPARATUS.....\$ *

* Does not include any applicable taxes. Any local or state tax, if applicable, must be added to the above price.

Shipment of completed apparatus shall be made within 330 calendar days after our approval of properly signed contract, subject to causes beyond our control. This proposal is made subject to your acceptance within thirty (30) days from date of same. If acceptance is delayed beyond that period, we will, upon request, advise you of any increase in said amount which may be occasioned by causes beyond our control.

Respectfully submitted,
ALEXIS FIRE EQUIPMENT COMPANY

By: _____

"QUALITY HAS NO SUBSTITUTE"



PAYMENT TERMS

OPTION 1

The chassis payment shall be made within ten (10) days of invoicing.

The balance of the contract plus any contract alterations shall be payable upon the delivery of the finished unit.

Upon payment, the Alexis Fire Equipment Company shall furnish the purchaser a "Statement of Origin" or the necessary validated documents required for title application.

OPTION 2

The chassis payment shall be made within ten (10) days of invoicing.

A progress payment of \$ shall be made within ten (10) days of invoicing, upon the initial construction of the apparatus body. The ___ Fire Department may **DEDUCT \$** from the front page price for this payment.

The balance of the contract plus any contract alterations shall be payable upon the delivery of the finished unit.

Upon payment, the Alexis Fire Equipment Company shall furnish the purchaser a "Statement of Origin" or the necessary validated documents required for title application.

Additional payment terms available upon request.

ISO 9001:

Alexis Fire Equipment Company operates a Quality Management System under the requirements of ISO 9001. These standards, sponsored by the "International Organization for Standardization (ISO)," specify the quality systems that shall be established by the manufacturer for design, manufacture, installation and service.

DIGITAL PHOTOGRAPHS:

Digital photographs of apparatus under construction are taken on a weekly basis and emailed to a department supplied email address. Additionally, these photos are uploaded to our website at www.alexisfire.com allowing those department members who may not have access to the emailed photos to track the progress of the unit.



SERVICE CENTER:

The Alexis Priority-One service team is staffed with factory trained mechanics ready to meet your service requirements. Our staff is continually working on maintaining updated EVT and ASE certification.

The Alexis Service Team is available 24 hours a day, 7 days a week for your service emergencies. We use the latest paging system for fast, efficient and reliable service.

Our service facility covers an area of approximately 14,000 square feet.

The Alexis Service Team can assist you in fire apparatus service, ambulance service, aerial device maintenance, generator and rescue tool maintenance and service, and air pack inspections. Our staff can provide our customers with a complete apparatus training program, meeting the latest training requirements.

Alexis is a single source warranty center for the following manufacturers: HME, Spartan Motors, RK Aerials, Hale Products, and Waterous.

Our service team has over 50 years of cumulative experience in the fire service industry. In addition, they are backed by our fabrication, electrical, and paint and finish departments. This combination of training and hands-on experience offers true reliability and dependability.

Alexis keeps detailed documentation of all repair, maintenance, and inspection performed by our personnel. With time and manpower at such a premium among many fire departments, why not allow the Alexis Service Team to set up and maintain records for your fleet?

The Alexis Service Team is committed to providing prompt and courteous service, quality products and fair pricing.

Business: Alexis Fire Equipment Company
Contact Person: Barb Lafferty
Location: 109 East Broadway Alexis, IL 61412
Phone: 800-322-2284

DELIVERY:

To insure proper break-in of all drive train components while under warranty, the finished apparatus shall be delivered to the purchaser under its own power.

The apparatus shall be covered by comprehensive and liability insurance during the delivery period. The purchaser shall assume the insurance obligation on acceptance. At that time, the purchaser shall present to the manufacturer's agent a certificate of verification, showing liability, comprehensive, and collision insurance coverage.

A qualified representative shall remain in the department a sufficient length of time to demonstrate the operation, care and maintenance of the equipment to one (1) shift of personnel.



GENERAL INFORMATION:

LOCATION

The Alexis Fire Equipment facilities are located at 109 East Broadway, Alexis, Illinois 61412. We maintain a complete stock of parts and services available around-the-clock. We also propose to maintain parts and service for a minimum period of twenty (20) years on all apparatus which is manufactured.

NOTATION

To further assure the customer of our ability to manufacture quality fire apparatus, we are proud of the fact that Alexis Fire Equipment Company is family-owned and has been in the fire apparatus business since 1947.

PERSONNEL CAPACITIES

To meet the spirit of N.F.P.A. 1500 paragraph 6.3.1, this apparatus has been designed to transport not more than two (2) people.

6.3 Riding in Fire Apparatus

6.3.1 All persons riding in fire apparatus shall be seated and belted securely to the vehicle by seat belts in approved riding positions and at any time the vehicle is in motion. Standing or riding on tailsteps, sidesteps, running boards or in any other exposed position shall be specifically prohibited.

MAXIMUM TOP SPEED:

To meet the intent of NFPA 1901 4.15.2, the top speed of the vehicle shall not exceed 68 MPH or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

INFORMATION TO BE PROVIDED:

Alexis Fire Equipment Company shall supply, at the time of delivery, the following documents:

- A) The manufacturer's record of apparatus construction details, including the following information:
 - 1. Owner's name and address

2. Apparatus manufacturer, model, and serial number.
 3. Chassis make, model, and serial number.
 4. GAWR of front and rear axles.
 5. Front tire size and total rated capacity in pounds.
 6. Rear tire size and total rated capacity in pounds.
 7. Chassis weight distribution in pounds with water and manufacturer mounted equipment.
 8. Engine make, model, serial number, number of cylinders, bore, stroke, displacement and compression ratio, rated horsepower and related speed, and no-load governed speed.
 9. Type of fuel and fuel tank capacity.
 10. Electrical system voltage and alternator output in amps.
 11. Battery make and model, capacity in CCA.
 12. Transmission make, model, and type.
 13. Pump to drive through the transmission (yes or no)
 14. Engine to pump gear ratio used
 15. Pump make, model, rated capacity in g.p.m., serial number, number of stages, and impeller diameter in inches.
 16. Pump transmission make, model, and serial number.
 17. Priming device type.
 18. Type of pump pressure control system.
 19. Auxiliary pump make, model, rated capacity in g.p.m., serial number, number of stages, and impeller diameter in inches.
 20. Water tank certified capacity in gallons.
 21. Aerial device type, rated vertical height in feet, rated horizontal reach in feet, and rated capacity in pounds.
 22. Paint numbers
 23. Company name and signature of responsible company executive.
- B) If the apparatus has a fire pump, the pump manufacturer's certification of suction capability.
- C) If the apparatus has a fire pump, a copy of the apparatus manufacturer's approval for stationary pumping applications.
- D) If the apparatus has a fire pump, the engine manufacturer's certified brake horsepower curve for the engine furnished, showing the maximum no-load governed speed.
- E) If the apparatus has a fire pump, the pump manufacturer's certification of hydrostatic test.
- F) If the apparatus has a fire pump, the certification of inspection and test for the fire pump.
- G) If the apparatus has an aerial device, the certification of inspection and test for the aerial device.
- H) If the apparatus has an aerial device, all the technical information required for inspections to comply with NFPA.
- I) Weight documents from a certified scale - showing actual loading on the front axle, rear axle(s), and overall vehicle (with the water tank full but without personnel, equipment, and hose) - shall be supplied with the completed vehicle.

- J) Written load analysis and results of the electrical system performance tests.
- K) If the apparatus is equipped with a water tank, the certification of water tank capacity.
- L) If the apparatus has a fire pump, two (2) copies of the pump operation and maintenance manual.
- M) Two (2) destination effective wiring diagrams.
- N) Copies of electrical and mechanical component manuals for equipment purchased on or with the apparatus.
- O) A sketch of the booster tank indicating all dimensions and baffle locations.
- P) If the apparatus has a pump, one (1) certification of third party test

WARRANTY:

Alexis Fire Equipment Co., Inc. warrants each new piece of fire and rescue apparatus manufactured by Alexis to be free from defects in material and workmanship under normal use and service for a period of one year from the date of delivery. Our obligation under this warranty is limited to furnish any parts to replace those that have failed due to defective material or workmanship, as the company may elect, provided that such part, or parts shall be returned to us not later than one year after delivery of such vehicle. All water tanks will be warranted as stated herein and may have extended warranty as explained elsewhere in the Alexis Fire Equipment Co. Proposal.

This warranty will not apply:

- 24. To normal maintenance services including, but not limited to, electrical lamps, valve seals, normal lubrication and/or proper adjustment of minor items.
- 25. To any vehicle which shall have been repaired or altered outside of our factory, in any way so as, in our judgment, to affect its stability, nor which has been subject to misuse, negligence, or accident, nor to any vehicle made by us which shall have been operated at a speed exceeding the factory rated speed, or loaded beyond the factory rated load capacity.
- 26. To the chassis and associated equipment furnished with chassis, signaling device, generators, batteries or other trade accessories. These are warranted separately by their respective manufacturers.
- 27. To work performed by an outside service without prior authorization obtained from Alexis Fire Equipment.
- 28. To costs incurred from an outside service for non-warranty related items.

This warranty is in lieu of all other warranties, expressed or implied, and all other representations to the original purchaser and all other obligations or liabilities, including liability for incidental or



consequential damages on the part of the company. We neither assume nor authorize any person to give or assume any other warranty or liability on the company's behalf unless made or assumed in writing by the company.

LENGTH AND/OR HEIGHT LIMITATIONS:

OVERALL HEIGHT:

The OAH of the unit shall not exceed _____".

OVERALL LENGTH:

The OAL of the unit shall not exceed _____".

CHASSIS MODIFICATIONS:

STATEMENT OF EXCEPTIONS – CHASSIS SYSTEMS:

The chassis to be utilized for this apparatus is supplied with an OEM installed seat belt indicator system; however, it will not specifically comply with requirements of NFPA 1901-2009 Section 14.1.3.10.

In addition, the chassis manufacturer will not allow an apparatus manufacturer to access any of the data from its electrical system to comply with NFPA 1901-2009 Sections 4.11 and 14.1.3.10; Vehicle Data Recorder and Seat Belt Indicator System.

Unauthorized access to the chassis electrical system voids all warranties and transfers all liability away from the chassis manufacturer. Due to this restriction, a Vehicle Data Recorder and a Seat Belt Indicator System will not be supplied or installed by Alexis Fire Equipment Company with this vehicle.

We hereby certify by the following signatures that we have read, understand and accept that upon delivery, the vehicle supplied by Alexis Fire Equipment Company will not specifically comply with NFPA Standard 1901-2009 Sections 4.11, and 14.1.3.10.

ALEXIS FIRE EQUIPMENT COMPANY

FIRE DEPARTMENT

Signature

Signature



109 EAST BROADWAY • ALEXIS, ILLINOIS 61412 • P 800.322.2284 • F 309.482.6127 • SALES@ALEXISFIRE.COM

Printed Name

Printed Name

Title

Title

Date

Date

STAINLESS STEEL NERF BARS 4-DOOR:

One (1) set of Luverne stainless steel nerf bars, Model 548900, shall be installed under chassis cab doors. Nerf bars shall be 18 ga. stainless steel with 6" x 24" step pads at the vehicle's entrance.

CHASSIS SUPPLIED WHEELS:

The wheel finish on the apparatus shall be left as specified in the chassis specifications.

COLOR: _____

FUEL TANK:

The chassis shall incorporate a rear fuel tank installed by the chassis manufacturer. The fill and vent shall be installed behind the left rear wheel. The fill shall be labeled with the type of fuel intended.

DIESEL EXHAUST FLUID TANK:

The chassis shall incorporate a DEF Fluid tank installed by the chassis manufacturer. The fill shall be installed in the left rear wheel area. The fill shall be labeled with the type of fluid intended.

AMI GRILL GUARD:

Install one Grill Guard AMI [19285GK/ASM-19285-503](#)

HELMET STORAGE:

To meet the intent of NFPA 14.1.8.4.1, the helmet for each occupant shall be stored in an exterior compartment.

PUMP AND PIPING:

DARLEY 1½AGE GEAR DRIVEN PUMP:

Performance



Darley model number 1½AGE 20H gasoline powered, skid mounted centrifugal portable pump shall be provided. The high pressure, medium volume pump, gear driven, engine mounted shall meet the following performance requirements:

120 GPM @ 155 PSI
75 GPM @ 230 PSI
35 GPM @ 300 PSI

Pump Design

Pump casing shall be of anodized aluminum and vertically split, with a minimum tensile strength of 33,900 PSI - bronze-fitted. Pump ratio to be selected by the manufacturer's Engineering Department. Seal rings shall be renewable, double labyrinth, wrap around bronze type. Bearings are to be heavy duty, deep groove, radial-type ball bearings, oversized for long life. Bearings to be protected at all openings from road dirt and water splash with oil seals and water slingers.

Mechanical Seal

The pump shall be furnished with a Darley maintenance free mechanical seal. The mechanical seal shall be a non-contacting, non-wearing seal design. Seal shall be a Silicon Carbide Mechanical seals with welded springs. The stationary face of mechanical seals shall be made from Silicon Carbide, and be extremely hard and of a heat dissipative material, which resists wear and dry running damage much better than conventional Ni-resist and Tungsten Carbide materials

Pump Shaft

Pump drive shaft shall be precision ground, heat treated alloy steel, with a 1-3/8 spline. Gears shall be helical design, and shall be precision ground for quiet operation and extended life. The pump shaft shall be splined to receive broached impeller hubs, for greater resistance to wear, torsional vibration, and torque imposed by engine, as well as ease of maintenance and repair. Pump shaft to be precision-ground 416 stainless steel.

Impeller

The impeller shall be a high strength bronze alloy, splined to the pump shaft for precision fit, durability, and ease of maintenance.

Impeller shaft oil seals shall be constructed to be free from steel components except for the internal lip spring. The impeller shaft oil seals shall carry a lifetime warranty against damage from corrosion from water and other fire-fighting fluids.

Pump Transmission

The transmission case shall be cast iron aluminum with adequate oil reserve capacity to maintain low operating temperature. Pump ratio to be selected by the manufacturer's engineering department. Gears shall be helical in design and precision ground for quiet operation and extended life. Gears to be cut from high strength alloy steel and heat treated. Gear face to be minimum of 1-1/2". Chain drive and/or design requiring extra lubricating pump is not acceptable.

Hand Primer

One (1) Guzzler hand primer shall be provided.

HONDA 20 HP ENGINE:

ENGINE

The engine shall be a Honda GX630 horizontal shaft engine. It will be a 4 stroke, gasoline fueled engine with 20 HP @ 3600 RPM (4000 RPM max.) 42 cu. In. Displacement.

FUEL TANK

The fuel tank will be a 5 gallon separate tank mounted near the engine. The fuel tank shall be constructed of black high density polyethylene. The fuel line shall incorporate an inline carbon charcoal canister to provide low evaporative emissions in compliance with current EPA regulations.

IGNITION

Digital CDI with variable ignition timing.

LUBRICATION

Full pressure

STARTER

Shift Type

CONTROLS

An illuminated control panel shall be provided at the rear of the unit. The control panel shall include the following controls: throttle, choke, start and stop, along with a discharge pressure gauge.

VALVING:

Each valve shall be ball type, full flow and so designed as to allow easy removal from the line without disturbing the piping. The valve shall be tested to 500 p.s.i. by the valve manufacturer.

STAINLESS STEEL PIPING - NATURAL FINISH:

A stainless steel welded pipe suction manifold shall be attached to the suction side of the pump. The manifold plumbing shall utilize a Victaulic coupling for ease of removal from the pump for service and maintenance requirements. The manifold shall be in a Ramshorn design to help reduce friction loss and shall be designed to accept a Scotty Around the Pump foam system, if applicable.

The discharge system shall incorporate a 4" x 4" stainless steel distribution system. The manifold shall be fed from the 4" piping system. The discharge system shall incorporate a victaulic coupling to allow ease of access for maintenance or removal of the pumping system. Each discharge shall be fed from above the manifold system.

The discharge manifold shall incorporate the following standard ports: one (1) 1", four (4) 1½", two (2) 2", and one (1) 2½". All unused discharge ports shall be capped. Provisions shall be provided in the discharge manifold to accept a Scotty Around the Pump foam system if applicable.

NOTE: Due to the location of the discharge manifold, the pick up truck tailgate (if applicable) shall remain off the unit while the skid unit is in the pick up truck bed.

2½" DISCHARGE:

One (1) 2½" discharge with valve, cap, and chain shall be provided at the rear of the skid unit. The discharge shall utilize a 2006SST stainless steel ball valve.

One (1) 2½" NSTF x 1½" NSTM chrome plated reducer with cap and chain.

1½" DISCHARGE:

One (1) 1½" discharge shall be provided at the rear of the skid unit. The discharge shall utilize a 2006SST stainless steel ball valve.

2½" TANK VALVE:

One 2½" Akron 8800 Series quarter turn valve shall be included for the tank to pump line. A 2½" **non-gated** NSTF swivel suction adapter shall be located at the rear.

FRONT TURRET:

One (1) Akron 3462 Forestry Monitor shall be installed at the front of the apparatus on a platform

located on the left or right side. The monitor shall be controlled from the chassis cab. The unit shall be plumbed with 2" piping and 2" valve controlled from the joystick system. The joystick shall have a valve trigger system to open and close the flow valve.

The turret shall be supplied with an adjustable flow baffle nozzle with four settings and electric flush; 30, 60, 95 and 125 gpm.

The deck gun finish shall remain as supplied by the manufacturer.

The exposed bumper turret piping at the front of the apparatus shall remain natural finish stainless steel

BOOSTER REEL:

One (1) Hannay Electric booster reel(s), Model EFF30-23-24RT/LT, shall be provided and mounted. Each reel shall include 150 ft. of 1" Kochek lightweight booster hose. Included with each reel are two (2) sets of spools and rollers. Each reel shall utilize a 2006SST stainless steel ball valve.

The rewind button shall be located on the right side of the apparatus.

RECYCLE/FILL:

The 1" recycle/fill valve shall go from the pressure side of the pump to the booster tank. It shall consist of a 1" hose with aeroquip fittings and a 1" full flow quarter turn 2006SST stainless steel ball valve.

PIPING CERTIFICATION:

Upon final apparatus delivery, a certification sheet shall accompany the unit stating that all piping and the pump have been hydrostatically tested to 250 psi.

TANK:

SKID FRAME:

The frame shall be constructed of polypropylene to prevent corrosion of the system. The frame unit shall be constructed to cradle the tank and act as a mounting platform for the pump.

SKID TANK:

The tank shall be constructed of ½" thick black PT2E textured polypropylene sheet stock with AccTuf resin. This material will be a certified virgin, high quality, non-corrosive, stress relieved thermoplastic.

It shall have the capacity of 300 gallons.

The tank comes standard with built-in liquid level sight gauge, booster reel mounting blocks, an internal sump for easier mounting.

CONSTRUCTION:

The tank shall be designed to have complete modular drop-in capability. The passenger's side rear wall of the tank shall have an internal liquid sight gauge 4" in width, natural in color, and 90% transparent.

FILL TOWER & TANK COVER:

The tank shall be equipped with a combination vent/overflow and manual fill tower. The fill tower shall be 8" round and 8" high with a round molded cover. The cover shall be fastened to the tower with a tether to prevent loss.

OVERFLOW:

The vent overflow pipe shall exit **above** the body decking.

SUMP:

There shall be one sump as standard per tank.

OUTLETS:

There shall be two standard outlets located on the same vertical plane on the driver's side rear tank wall: One (1) 3" FNPT suction fitting and one (1) 1½" FNPT tank fill with flow deflector. There shall be one (1) 1" FNPT tank drain located on the rear tank wall towards the passenger's side.

FOAM TANK:

A 10 gallon foam tank shall be incorporated within the booster tank of the apparatus. It shall be baffled and constructed of polypropylene. The fill shall be installed and vented to allow filling without a foaming reaction from the foam concentrate. Two valves shall be incorporated with the foam tank, one for the foam induction system and one for a drain hoses to the ground.

BODY:

ALUMINUM BODY:

There shall be a custom fabricated flatbed body measuring approximately 94 inches wide by 108 inches long installed on the chassis. The body subframing system shall be independent of the chassis frame and constructed of 6" open C channel aluminum tubing thereby providing a complete lift off body for later body transfer. The flatbed shall be attached to the chassis frame utilizing "U" bolts.

There shall be a headache rack installed at the front of the flatbed, constructed of formed .190 aluminum treadplate material with rear window cutouts.

There shall be a skirt at the rear of the flatbed constructed from formed .190 smooth aluminum material, in preparation for Chevron striping.

There shall be one (1) treadplate guard located below the flatbed on each side, ahead of the rear tires. The guard shall be manufactured of .125" aluminum treadplate to help protect the undercarriage from debris off the tires.

The flatbed shall be decked with .190 inch H3003 polished aluminum treadplate.

The body shall be mounted on flexible floatation pads to allow the body and chassis to flex on rough ground

PLATFORM - 60" CA FLATBED BODY:

There shall be one (1) platform on each side, directly behind the headache rack of the flatbed body. The water tank shall separate the platforms in the middle.

There shall be a brushed aluminum railing located at the front of the body, one (1) each side in front of the left and right side compartments. The railing shall be 42" high.

There shall be an eyebolt mounted in the railing area for the attachment of a customer supplied safety harness.

There shall be an aluminum access step located directly under each point of entry, not lower than the bottom of the cab.

COMPARTMENTS:

There shall be two (2) compartments located one (1) on the left side and one (1) on the right side of the apparatus body. Each compartment shall be manufactured of .125" aluminum treadplate material.

Each compartment shall incorporate two (2) horizontally hinged drop down doors with rubber bumpers.

The side compartment doors shall be manufactured in a hemmed pan design. The perimeter of the outer pan shall be U-shaped enclosing the perimeter of the inner pan. Automotive grade adhesive shall be applied to provided structure and durability to all four (4) sides of the hem area.

Each compartment door outer shall be manufactured of 14 gauge aluminum treadplate and each inner pan shall be manufactured of 14 gauge smooth aluminum. The door assembly shall be designed to prevent condensation buildup within the door interior. Insulation shall be installed as necessary between the inner and outer pans of each door.

Each door shall be supported with stainless steel piano hinges, 1" joint x 3/16" pin. Each hinge shall be secured to the door perimeter and door casement with stainless steel fasteners, thereby facilitating door replacement. The door openings shall have closed cell automotive type seals to prevent water and dirt entry.

There shall be a seal applied to the outer perimeter of the door.

Each door shall incorporate a single point D-Ring latch assembly.

LEFT SIDE COMPARTMENT DIMENSIONS:

The left side compartment shall be approximately 84" wide x 24" high x 20" deep

Each door opening on the left side compartment shall be approximately 36" wide x 19" high x 17" working depth.

HOSE TRAY - ALUMINUM TREADPLATE:

There shall be one (1) hose tray located over the compartments. The tray shall be manufactured of .125 aluminum treadplate and shall be mounted to the top of the compartments utilizing unistrut tracking. The tray shall be approximately compartment length x compartment depth x 6" high, providing a uniform appearance.

NOTE: The hose is not included.

HOSE TRAY RETENTION SYSTEM:

One (1) full width wind dam shall be installed in the front area of the hose tray. The wind dam shall be manufactured of aluminum treadplate material. This design shall allow the air pressure to retain the hose

in the hose bed.

Two (2) full width straps shall be installed one (1) at rear and one (1) at the middle area of the hose tray to retain the hose.

CAPACITY: _____

COMPARTMENT LIGHT:

One (1) 5" T41 Series LED light shall be installed in each apparatus compartment. The compartment lights shall be switched automatically with the doors. The lighting shall meet the requirements of NFPA 13.10.5

RIGHT SIDE COMPARTMENT DIMENSIONS:

The right side compartment shall be approximately 84" wide x 24" high x 20" deep

Each door opening on the right side compartment shall be approximately 36" wide x 19" high x 17" working depth.

STORAGE COMPARTMENT:

One (1) storage compartment shall be mounted above the specified compartments. The storage compartment shall be manufactured of .125" aluminum treadplate material. The compartment shall be mounted on unistrut tracking. The compartment shall be accessible from the rear of the apparatus with a horizontally hinged drop down door with a single point D-Ring latch.

The tray shall have the capacity to carry two (2) 8' lengths of suction hose or miscellaneous long handled tools.

COMPARTMENT LIGHT:

One (1) 5" T41 Series LED light shall be installed in each apparatus compartment. The compartment lights shall be switched automatically with the doors. The lighting shall meet the requirements of NFPA 13.10.5

COMPARTMENT LAYOUT:

The compartment interiors shall be as follows:

L1:

L2:

R1:

R2:

12 VOLT ELECTRICAL:

ELECTRICAL WARRANTY:

Alexis Fire Equipment Co., Inc. warrants each new piece of Alexis fire and rescue apparatus to be free from defects in material and workmanship under normal use and service. Our obligation under this warranty is limited to repairing or replacing, as the company may elect, any part or parts thereof which shall be returned to us with transportation charges prepaid, and as to which examination shall disclose to the company's satisfaction to have been defective, provided that such part, or parts shall be returned to us within five (5) years or 40,000 miles after delivery of such vehicle. Such defective part or parts will be repaired or replaced free of charge and without charge for installation to the original purchaser.

Prior to any warranty work being performed on the unit, a Warranty Authorization Number must be obtained from Alexis Fire Equipment.

Items specifically covered are:

- Electrical harnesses and harness installation
- Printed circuit board
- Switches, circuit breakers and relays

Items excluded are:

- Chassis electrical systems and components installed by chassis manufacturer
- Separately manufactured items installed by Alexis Fire Equipment including, but not limited to; batteries, sirens, battery chargers, inverters, lightbars and similar equipment. (These are covered by warranties supplied by the manufacturer of the components).
- Periodic tightening and cleaning of connection terminals as this is considered routine maintenance
- Normal wear, abuse, accident, negligence or un-approved alteration of original parts.

Should repairs become necessary under the terms of this warranty, the extent of that repair shall be determined solely by Alexis Fire Equipment and shall be performed solely by Alexis Fire Equipment or



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a repair facility designated by Alexis. The expense of any transportation to or from such repair facility shall be that of the purchaser and is not an item covered by this warranty.

Alexis Fire Equipment reserves the un-restricted right at any time to make changes in design of and/or improvements on its products without thereby imposing any obligation on itself to make corresponding changes or improvements in or on its products theretofore manufactured.

12 VOLT ELECTRICAL SYSTEM:

The electrical system shall be engineered to provide many years of dependable, trouble free service.

The 12-volt apparatus wiring shall be completely independent of the chassis electrical system. The system shall incorporate a state-of-the-art electrical distribution center

FLOOR MOUNTED CONSOLE FOR EMERGENCY SWITCHES:

One (1) 12-volt floor mounted console shall be installed in the apparatus. The console shall be manufactured of aluminum material and finished to accent the cab design.

RADIO:

One (1) radio(s) shall be installed by the customer after receipt of the completed apparatus.

ON BOARD BATTERY CHARGER:

One (1) Progressive Dynamics PD2140 battery charger shall be installed on the vehicle. The unit shall be located in the L1 compartment.

The PD2140 is a 40-amp Electronic Marine Converter/Charger capable of charging up to three separate banks of batteries at the same time. It incorporates a microprocessor that constantly monitors battery voltage, then automatically selects one of four operating modes to ensure safe, rapid recharging cycles. The Storage Mode and the Equalize Mode of operation ensures minimum battery gassing and water loss while preventing battery stratification and sulfation. All Intelli-Power chargers are designed to meet the stringent requirements of the Marine environment and are UL listed for safety. A digital meter displays current, voltage, operation mode, blown fuse indication, and battery type.

KUSSMAUL SUPER AUTO EJECT SHORELINE CONNECTION - 120V:

One (1) Kussmaul super auto eject Model 091-55-20-120 with a standard yellow weather cover shall be



installed on the apparatus. The super auto eject is a completely sealed automatic power line disconnect. One (1) 120-Volt shoreline shall be supplied between the fire station power and the apparatus.

The shoreline connection shall be located in the left rear wheel well area, ahead of the wheels.

MASTER SWITCH:

A 12 Volt Cole-Hersee Rotary switch shall be installed. When in the OFF position, the master switch system shall isolate all electrical power from the apparatus. It shall not interrupt any primary battery/starter wiring originally furnished by the chassis manufacturer.

TIRE PRESSURE MONITORING DEVICE:

There shall be a tire pressure indicator voucher provided with the completed apparatus. The voucher shall be for mechanical style tire pressure indicators for the front and rear tire valve stem. The indicator shall provide visual indication of pressure in the specific tire.

The tire pressure indicators shall be redeemed upon the receipt of the voucher for installation by the customer.

The devices shall consist of a valve stem cap top with red and green color coding to indicate tire pressure conditions. If the cap is ALL GREEN the tire is properly inflated. If the cap is HALF GREEN/ HALF RED, the tire is approximately 10% under inflated. If the cap is ALL RED, the tire is 20% or more under inflated.

CHASSIS HIGH IDLE:

The Ford chassis shall incorporate a high idle system installed by Alexis Fire Equipment Company. The high idle system shall utilize the chassis PCM to increase the engine RPM and shall be controlled by a single switch in the chassis cab. The high idle system shall be interlocked to the park brake, service brake, park (automatic transmissions) or the clutch (manual transmissions).

LIGHTBAR:

One (1) Code-3 58" LED lightbar, Model 21TR58AJK2, shall be mounted on the cab roof. The lightbar shall be switched from the in cab switch panel. This lightbar fills the requirements of Zone A Upper, Zone B Upper, and Zone D Upper.

MOUNT THE LIGHT BAR OFF OF THE HEADACHE RACK OF THE BODY

WARNING LIGHTS (FRONT LOWER):

Two (2) Code-3 Model TRX6R red LED lights shall be mounted on the front cab face, one (1) on each side. The lights shall be placed inside chrome flanges. These lights shall be switched from the in cab switch panel. These lights fill the requirements of Zone A Lower.

MOUNT OF THE FRONT GRILL GUARD ONLY

WARNING LIGHTS (SIDE LOWER):

Two (2) Code-3 Model TRX6R red LED lights shall be mounted on each side of the vehicle. These lights shall be switched from the in cab switch panel. The lights shall be placed inside chrome flanges. These lights fill the requirements of Zones B & D Lower.

MOUNT THE FRONT SIDE LIGHTS OFF OF THE FRONT GRILL GUARD REAR SIDE WARNING IN THE RAIL OF THE FLAT BED

WARNING LIGHTS (REAR LOWER):

Two (2) Code-3 Model TRX6R red LED lights shall be mounted on the lower rear area of the vehicle. The lights shall be placed inside chrome flanges. These lights shall be switched from the in cab switch panel. These lights fill the requirements of Zone A Lower.

LED REAR DRIVING SIGNALS:

The rear driving signals shall consist of four (4) lights; two (2) on each side of the apparatus. They shall be Tecniq LED T66 Series and are to be surface mounted on the rear of the brush truck with a chrome trim ring. Each shall be color-coded as follows: LED Red-Stop/Tail/Turn and LED White-Backup.

ELECTRONIC SIREN:

One (1) Code 3 Model 3692 siren shall be installed in the apparatus. The siren shall be mounted in the cab and shall include a noise-canceling microphone.

SIREN SPEAKER:

One (1) Code-3 Model C3100 U 100 watt siren speaker shall be installed in the apparatus bumper.

BACKUP ALARM:



One (1) Federal Model 210339, 12 volt electronic backup alarm shall be incorporated on the apparatus. The backup alarm shall be a minimum of 97db and switched with the backup light circuitry.

ICC LIGHTING:

Tecniq S34 Series LED Clearance lights shall be installed on the apparatus. They shall be hermetically sealed cartridge lights for ease of service and durability.

DECK LIGHT REAR:

One (1) Code-3 Model CW2451 Swivel light shall be provided and installed on the unit. The light shall be mounted on the back of the compartment on the right side rear of the unit.

BRACKETING:

FINISH:

CHASSIS COLOR:

The color of the chassis as supplied by the chassis manufacturer shall be as follows:

COLOR: _____

CODE: _____

CAB LETTERING:

Vinyl lettering as described below shall be applied to the chassis cab door, one (1) each side. Each letter shall be 2½" to 3½" high and hand applied.

The lettering vinyl style shall be simulated gold leaf.

The lettering font style shall be Eurostile Bold.

The lettering font highlight type shall be shadow.

LAMINATION WARRANTY:

The apparatus shall be covered by a three (3) year warranty against defects in material and workmanship with the graphics process

REFLECTIVE STRIPING:

The finished apparatus shall be striped white with 4" reflective Scotchlite striping.

REFLECTIVE STRIPING IN THE CAB:

Two-inch red and white striped retro-reflective material shall be placed on the inside of each opening cab door. The material will be at least 96 square inches, meeting current NFPA standards.

DIAMOND GRADE CHEVRON STRIPING:

The rear of the apparatus shall be striped with Diamond Grade retro-reflective striping. The striping shall be applied in a chevron pattern sloping downward and away from the centerline of the apparatus at a 45° angle. The striping shall be single color alternating between red #3992 and fluorescent yellow-green #3983.

The striping shall be applied in the following locations: on the rear apron, below the flatbed deck.

EQUIPMENT:

One (1) C&S model SG1560 1" Pistol Grip 15-30-50-60 GPM Combination Nozzle(s).

NFPA EQUIPMENT CLARIFICATION:

Any equipment specified in the "Minor Equipment" section (e.g. hose, nozzles, adapters, AED, traffic cones, traffic safety vests, etc.) of NFPA 1901 for each apparatus classification (see below) which is not specified in this proposal shall be considered to be customer supplied and installed.

Apparatus Type	NFPA Section
Pumper	5.8
Initial Attack	6.7
Mobile Water Supply	7.7
Aerial	8.8
Quint	9.8
Special Service	10.5
Mobile Foam	11.9

MOUNTING:



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The skid unit shall be mounted in the pick-up truck bed by Alexis. To balance the loaded unit, it shall be installed as far forward as possible, squared with the bed and bolted in place. The electrical system incorporated on the unit shall be wired to the chassis battery utilizing the Anderson quick disconnect.