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

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 skid unit shall be made within ____ 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

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

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:

The finished apparatus shall be picked up by the purchaser at the plant site of the Alexis Fire Equipment Company in Alexis, Illinois.

Qualified Alexis representatives shall demonstrate the operation, care, and maintenance of the apparatus, prior to its departure, to one shift of personnel.

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

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 each apparatus which is manufactured.

NOTATION

The fact that the Alexis Fire Equipment Company is family owned and has been in the fire apparatus business since 1947 further assures the customer of our ability to manufacture quality fire apparatus by reinforcing our history and background in the field.

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.

PUMP AND PIPING:

WATEROUS PB18-3030LE 20HP PUMP:

CAPACITY
60 g.p.m. @ 115 p.s.i.
120 g.p.m. @ 110 p.s.i.
180 g.p.m. @ 95 p.s.i.
280 g.p.m. @ 60 p.s.i.
360 g.p.m. @ 30 p.s.i.

PUMP TYPE
The pump shall be a direct drive centrifugal pump with a closed hydraulically balanced impeller. It is to be bolted directly to the engine.

VOLUTE HEAD and BODY
The volute head and body shall be constructed of high strength aluminum alloy. They are to be anodized for superior corrosion resistance, with fully machined internal waterways for peak performance.

IMPELLER
The impeller is to be constructed of high strength, corrosion resistant bronze. It shall be fully enclosed, double hubbed to balance hydraulic thrust, mechanically balanced to eliminate vibration.

WEAR RINGS
The wear rings shall be constructed of long wearing bronze. The must be easy to replace when it becomes necessary in order to restore original pump efficiency.

IMPELLER SHAFT SLEEVE
The impeller shaft sleeve shall be constructed of high strength stainless steel.

IMPELLER SHAFT SEAL
The impeller shaft shall be of a spring-loaded mechanical type. It shall be maintenance free because it does not require adjustment.

PRIMER
The primer shall be a combination spark-arresting muffler and exhaust primer. It will be fast and simple to use. There will be a quarter turn bronze priming valve. The "Super" Lo-Tone muffler is extremely quiet.

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 @ 3400 RPM (3600 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 cannister 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 illuninated control panel shall be provided at the rear of the unit. The control panel shall include the following controls: throttle, choke, primer, start and stop, along with a discharge pressure gauge.

The control panel shall be located in the lower right corner of the skid, mounted to the pump engine, NO EXCEPTIONS.

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 incporporate the following standard ports: two (2) 1", five (5) 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" reducer with cap and chain shall be provided on the discharge.

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.

The tank valve shall utilize a push/pull control located at the rear of the apparatus for easy accessibility

BOOSTER REEL:

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

The rewind button shall be mounted in an easily accessible location.

The reel shall contain 100' of 1" Kochek lightweight booster hose coupled 1".

RECYCLE/FILL:

The 1½" recycle/fill valve shall go from the pressure side of the pump to the booster tank. It shall consist of a 1½" hose with fittings and a 1½" full flow quarter turn 2006SST stainless steel ball valve.

PIPING CERTIFICATION:

The portable pump shall be tested to the pump's rated capacity. for a period of ten minutes. A certified document on the test shall be supplied to the customer.

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. The platform area shall be decked with polished aluminum treadplate material.

The skid frame shall include forklift holes for ease of mounting. The skid unit shall be approximately 48" wide x 94" long x 52" tall without discharges.

SKID TANK - SUPPRESSION SERIES:

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 250 gallons. The tank shall be a Alexis Fire Equipment Suppression Series Skid Tank manufactured by UPF and carry a lifetime warranty.

The new suppression series 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.

STORAGE COMPARTMENT:

There shall be an internal storage compartment 29" long x 11" wide x 9" deep with two (2) ½" drain holes. This compartment shall be located integral within the skid tank.

12 VOLT ELECTRICAL:

SKID UNIT ELECTRICAL:

One (1) weathertight poly box shall be supplied and mounted near the booster reel frame assembly. The box shall provide a secure housing for the booster reel solenoid and electrical connections.

The skid unit shall be prewired to accept an Anderson SB175 quick disconnect for final connection to the chassis electrical system. A mating connection shall be supplied loose with the completed skid unit.

MOUNTING:

The fire department shall mount the skid unit.