



Specification for:
NWCG Type 5 Wildland Engine
Ford F550 - 4x4 - Gas - EXT Cab
Flat Bed Body, Alum, 114

Submitted To:
Jeremy Wilson, Asst. Fire Chief
Town of Little Elm
100 W Eldorado Pkwy Little Elm, TX 75068

Specification **2833**, Job No. **14402**
December 5, 2018

Prepared by:
Brian Peters
Skeeter Brush Trucks, LLC

Proposal

We are pleased to submit the following specifications to you for a **F550 Brush Truck** per your request for quotation. The following paragraphs will describe in detail the apparatus proposed. Loose equipment not specifically requested will not be provided.

Skeeter Brush Trucks, LLC. a wholly owned company of Siddons-Martin Emergency Group, is a custom fire apparatus manufacturer specializing in Brush-Grass-Wildland fire fighting vehicles. Our 22,000 square foot manufacturing facility is located in Hillsboro, Texas and is operated by some of the most experienced wildland firefighting vehicle manufacturing individuals in the business. Our performance and quality minded approach to manufacturing generates some of the most reliable vehicles in the industry, thus yielding a very high return on investment.

Skeeter Brush Trucks, LLC. provides the very best sole source product and service solutions to the fire service. Skeeter Brush Trucks LLC carries \$1,000,000 in liability insurance, with \$3,000,000 in excess umbrella liability insurance. The opportunity to place this Skeeter Brush Truck in your department is greatly appreciated and we are certain it will fulfill your every requirement. We look forward to working for you.

Siddons-Martin Emergency Group sales and service professionals are dedicated and experienced in all aspects of the fire apparatus business. Our core business is the sales and service of fire apparatus.

Service Advantage

Siddons-Martin Emergency Group currently staffs sixteen (16) service centers located throughout Texas, Louisiana, and New Mexico, and maintains a fleet of service vehicles to provide on-site service of your SKEETER Brush Truck. The Siddons-Martin Emergency Group Service Department is dedicated to the fire service and provides service and maintenance exclusively on fire apparatus. Siddons-Martin Emergency Group employs numerous EVT trained technicians and is constantly engaged in continuing factory and EVT training classes and programs in order to stay abreast of the rapidly improving technologies incorporated within today's fire apparatus. SMEG is an authorized sales and service dealer for Pierce Mfg., and an authorized service center for Waterous, Hale, and Darley fire pumps, and an OEM distributor for all major fire equipment accessories.

Construction and Design

Skeeter Brush Trucks body and component designs are engineered. Body construction (unless otherwise noted) is done in-house, using the best in design and materials. RBM's for body frames are among the very highest in the industry. Wiring harnesses are custom manufactured in-house, and meet or exceed OEM standards. All wiring is protected, run through conduit, and distributed through one, easily accessed, sealed control box.

Chassis Operation Manual

The chassis manufacturer shall provide one (1) operational manual. This manual may be in either a notebook type binder, with reference tabs or a compact disk (CD) with all of the printed material in an electronic format (Adobe Acrobat PDF).

Fire Pump Operational Manual

A fire pump service, instruction, and operational manual shall be supplied. This manual may be in either a notebook type binder, with reference tabs or a compact disk (CD) with all of the printed material in an electronic format (Adobe Acrobat PDF).

Foam System Operational Manual

A foam system service, instruction, and operational manual shall be supplied. This manual may be in either a notebook type binder, with reference tabs or a compact disk (CD) with all of the printed material in an electronic format (Adobe Acrobat PDF).

Apparatus Operational Manuals

The fire apparatus manufacturer shall provide two (2) operational manuals. These manuals may be in either a notebook type binder, with reference tabs or a compact disk (CD) with all of the printed material in an electronic format (Adobe Acrobat PDF).

100371.7 - PAINT

1. Cab Upper Color: Red #90
2. Cab Lower Color: Ford White
3. Description: Bottom of Windows Up Red #90
4. Bumper Color: Black
5. Wheel Color: White with chrome covers
6. Body Color: Upper Red #90 and Lower Ford White (paint break to match cab paint break)
7. Cab Steps: Black

Special: James Webb changed component. 01/23/2018 13:10

100034.3 - CHASSIS SPECIFICATIONS

CHASSIS SPECIFICATIONS

One (1) FORD F-550 two axle drive 4x4, dual rear wheels (DRW), Super Cab (extended) door XL cab and chassis

GVWR: 19,500#

Wheelbase: 169"

Cab to Axle: 60"

Grille: black

Tow Hooks: front loops

Driving Front Axle and Suspension: 6,000# HD front package, 6,000# suspension package, stabilizer bar, front shocks, manual hubs

Transfer Case: cab manual control high and low range HD front package, stabilizer bar, front shocks, manual hubs

Tires: two (2) front tires shall be 225/70R19.50, radial all weather/off road tread

Front Wheels: two (2) 19.50" x 6.00" steel disc, ten (10)-hole pattern steel disc wheels

Rear Axle and Suspension: 14,706# wide track rear axle, 14,706# suspension package, stabilizer bar, limited slip

Tires: four (4) 225/70R19.50 radial all weather/off road tread

Rear Wheels: four (4) 19.50" x 6.00" steel disc, ten (10)-hole pattern steel disc wheels

Braking System: four (4) wheel disc brake system with an Anti Lock (ABS)

Engine:

- Model: 6.8L V-10 SOHC, EFI, Flex Fuel gasoline engine
- Number of Cylinders: Ten (10) "V" configuration
- Displacement: 6.8 liters
- Rated Brake Horsepower: 288 hp @ 4000 rpm
- Torque: 424 ft lbs @ 3000 rpm

Cooling System: a coolant mixture protected to -30 degrees Fahrenheit

Exhaust System: horizontally mounted, discharge on passenger's side aft of wheels

Fuel Tank: 40 gallon rear mounted, driver's side filler extension

Transmission: six speed automatic

Steering: power steering system

Battery: 78 amp-hr 750CCA 12-volt battery

Alternator: single 200 amp 12 volt

Cab Construction: XL Series Super Cab (4) door aluminum construction, sun visors, tinted glass, roof clearance lights, grab handles interior

Mirrors: black manually telescope fold-away in/out for view adjustment

Cab Paint: single color

Climate Controls: controls for heat, defroster, and air conditioning

Window and Door Controls: manual

Air Bags: driver's and passenger's front, seat side, and side curtain

Cab Instruments: standard type, six (6) rocker switches

Drivers and Passenger Seat: 40/20/40 vinyl bucket type seats with three (3) point safety harness, center flip down seat back. Flip rear bench.

Printed Manuals: one (1) printed chassis operation manual

Cab Accessories: AM/FM radio, two radio speakers and antenna

Jack lug wrench set

Color: Ford White [More](#)

Special: James Webb changed component. 03/08/2018 10:00

203807.1 - 60" CAB TO AXLE

The chassis Cab to Axle measurement shall be 60".

100037.1 - POWER PACKAGE

The chassis shall be equipped with power locks, windows, and heated power mirrors.

235812.2 - BLUETOOTH STEREO CAPABILITY

The chassis shall be equipped with Bluetooth phone capability.

100052.1 - NO SPARE TIRE

No spare tire shall be supplied.

100057.1 - SPARE TIRE MOUNT

There shall be no spare tire mount

Special: James Webb changed component. 03/20/2018 15:38

203452.1 - FRONT BUMPER

The factory bumper shall be removed and replaced with a custom fabricated, heavy duty aluminum bumper and grille guard protection assembly.

The bumper and grille guard shall be sprayed with black bed liner.

Special: James Webb changed component. 03/08/2018 10:53

100058.1 - REAR MUD FLAPS

The chassis shall be supplied with mud flaps with the manufacturer's logo. The mud flaps shall be installed behind the rear wheels.

100063.1 - FRONT BUMPER SKID PLATE 1/4"

A 1/4" (0.25") aluminum skid plate will be installed from the bumper area extending below the bumper and chassis radiator area.

100111.1 - CAB STEPS

The cab shall be equipped with steel tubing step assemblies, on each side of the cab.

100086.4 - CUSTOM FABRICATED CONSOLE AND SWITCH PANEL

A custom fabricated poly (plastic) electrical console and enclosure shall be located between the driver's and passenger's seats. It shall house the siren, switches, cup holder, and auxiliary equipment.

2 USB AND 1 AUX PORTS SHALL BE RELOCATED TO CONSOLE FACEPLATE. CUSTOMER IS OPEN TO LOCATION CHANGES

A KUSSMAUL HOT FUSE BLOCK SHALL BE INSTALLED

Special: James Webb changed component. 03/08/2018 15:10

100077.1 - WINCH POWER SUPPLY

Two (2) Anderson type 12 volt quick disconnect electrical receptacles shall be installed for the portable winch. Power cables shall be color coded "red" positive and "black" neutral; rated at 125% of winch power requirement including line drop; protected with conduit for mechanical abrasion and equipped with circuit breaker protection at the battery area.

Location shall be: one (1) front of the apparatus and one (1) rear of the apparatus

100078.1 - WINCH POWER SUPPLY

A 500 amp 12 volt industrial series solenoid shall be installed to supply power to the winch. The solenoid shall be activated by the upfitter switch.

100178.1 - REAR RECEIVER

The rear of the chassis shall be equipped with one (1) square steel tube receiver assembly for high or low angle rescue, trailer use, and winch applications. It shall be the same size as a Class III trailer hitch and shall be attached to the chassis frame assembly. The receiver shall be rated at approximately 10,000#.

The rear receiver assembly shall be equipped with two (2) heavy duty rear tow loops, one (1) each side.

100243.4 - FIRE PUMP SPECIFICATIONS

A Hale HPX200-H20 fire pump shall be installed on the apparatus. The pump/engine shall perform to the standards of ISO 9 and NFPA 1906 low-pressure pump rating. Typical pump performance from 4 foot draft at sea level using a 2.5" suction line and a 2.5" discharge shall be.

250 GPM @ 30 PSI

40 GPM @ 150 PSI.

Pump

The pump body shall be made of alloy aluminum castings coupled together with a stainless steel band clamp with an O-ring seal which allows quick pump volute removal for servicing. The pump end shall be factory hydrostatically tested to 350 PSI for 10 minutes. The impeller shall be bronze. The renewable clearance rings shall be made of anodic plated bronze to inhibit galvanic corrosion. The impeller shall be 4.87 inches in diameter and designed with a sleeve back end to prevent water from coming in contact with the engine shaft. The pump shaft seal shall be an automatically adjusting, maintenance free, mechanical type. The pump body shall be equipped with a petcock drain valve.

Engine

The engine shall be a four cycle gasoline Honda V-Twin, overhead valve, air cooled design. Engine rating shall be 20.8 BHP. Engine displacement shall be 570cc and shall be designed to meet CARB (California Air Resources Board) standards. A 12-volt electric system shall be provided with electric starter and a 16 amp alternator. Recoil backup engine starting shall be provided. Engine shall be equipped with a residential muffler with USDA approved spark arrestor.

Hale Products, Inc., herein referred to as "Hale", warrants products of its manufacture to be free from defects in material and workmanship, under normal use and service, for a period of three years (3). This limited warranty is effective only if the equipment or apparatus is used as directed, is not subjected to misuse, negligence or accident, and is not altered, treated or repaired by someone other than Hale or its designee. Additional details can be found in the Skeeter user's manual for this vehicle.

A Guzzler hand primer shall be provided.

Special: James Webb changed component. 12/27/2017 09:02

100272.1 - STAINLESS STEEL PLUMBING SYSTEM

The auxiliary fire pump plumbing system shall be built mostly of stainless steel piping, fittings, and connections. Victaulic couplings shall be installed to permit flexing of the plumbing system and allow for quick removal of piping or valves for service. Tank connections and remote plumbing shall use high-pressure flexible piping. Flexible hose couplings shall be threaded stainless steel or Victaulic connections.

100285.1 - VALVES

All valves used in the plumbing installation shall be stainless steel quarter turn full flow type.

The plumbing installation shall include quarter turn ball valves with local "on-valve" handle control, with custom embossed labeling for each valve.

100483.1 - HOSE THREADS

The hose threads shall be National Hose Standard (NH) on all base threads on the apparatus intakes and discharges, unless otherwise specified.

100263.1 - EXHAUST SYSTEM

The auxiliary fire pump and engine assembly shall have a muffler and vertical exhaust pipe. The exhaust pipe shall be directed upward and away from the pump operator. A rain cap will be installed on the vertical exhaust outlet.

100265.2 - PUMP CONTROL PANEL ENCLOSURE

A pump panel enclosure shall be installed. The enclosure shall be fabricated of .125" aluminum with a DA finish, bolted in place with a pump instrument panel installed.

An engine and pump control panel shall be provided at the rear of the vehicle. The following shall be located at the operator's position:

- 2.5" discharge pressure gauge
- start/stop control
- throttle control
- low oil pressure warning light

The pump control panel shall be mounted at the CENTER rear corner of the body.

Special: James Webb changed component. 03/08/2018 10:23

100418.1 - REMOTE PUMP CONTROL PANEL IN CAB

The cab shall be equipped with secondary remote electrically controlled pump instrument control in the cab. There shall be a remote pressure gauge, start/stop switch, and electronic throttle control.

In addition, there shall be a remote control key FOB that will control the pump throttle from up to 200' away from the apparatus.

100267.1 - FUEL SYSTEM FROM CHASSIS FUEL TANK

The fuel system for the auxiliary fire pump shall be plumbed from the chassis fuel system. There shall be a separate fuel pickup tube mounted in the chassis fuel tank specifically for a separate engine driven pump assembly.

There shall be an electric fuel pump with spin on fuel filter and flexible fuel hose furnished between the chassis fuel tank and the auxiliary pump.

Special: James Webb changed component. 03/08/2018 10:26

100256.1 - ELECTRIC START WIRING TO CHASSIS

The 12 volt positive and negative cables shall be provided from the chassis battery to the fire pump area, wired through the master disconnect solenoid system. The cables shall have a circuit breaker installed at the chassis battery.

100255.2 - AUXILIARY FIRE PUMP MOUNTING PROVISIONS

The auxiliary fire pump shall be installed at the center rear of the body. The sub-structure shall have welded in mounting sub-plates between the structural members.

Special: James Webb changed component. 12/26/2017 17:28

100254.1 - PUMP ENGINE OIL DRAIN

The fire pump engine shall have an oil drain line installed. It shall allow for easy oil draining.

100253.1 - FIRE PUMP MASTER DRAIN

The fire pump shall have a master drain at the bottom of the water pump housing.

100252.1 - BYPASS FIRE PUMP COOLER

The fire pump shall be equipped with 3/8" cooling line from the pump to the water tank. This re-circulation line shall be controlled by a pump panel control valve with nameplate label noting it as the "fire pump bypass cooler".

100270.1 - 2-1/2" GATED INTAKE -- REAR

One (1) 2-1/2" gated suction intake shall be installed on rear area to supply the fire pump from an external water supply. The valve shall be controlled with a direct quarter-turn ball valve control handle and shall have 2-1/2" NH female thread with removable screen with plug.

100283.1 - TANK TO PUMP LINE INSTALLATION

The 2.5" tank to pump line shall be installed with a flexible hump hose connection and stainless steel clamps to the water tank. The valve shall be controlled with a manually operated handle directly on the valve.

100281.1 - WATER TANK FILL AND COOLING LINE

One (1) 1" fire pump to water tank refill and bypass cooler line shall be provided. The pump to tank valve shall be a 1" full flow quarter turn ball valve with local control handle. A 1" flex hose shall be installed to the water tank.

100275.2 - 1" HOSE DISCHARGE -- REAR (Qty: 2)

One (1) 1" hose discharge shall be installed on the rear pump area, controlled by a quarter turn ball valve with local control handle. The discharge shall have a NPT x 1" male NH hose threads and cap.

100276.1 - 1-1/2" DISCHARGE -- REAR

One (1) 1-1/2" discharge shall be installed on the rear pump area, controlled by a quarter turn ball valve with local control handle. The discharge shall have 1-1/2" NPT x 1-1/2" NH male hose threads and cap.

100426.4 - 1" FRONT BUMPER DISCHARGE -- DRIVERS SIDE

One (1) 1" discharge shall be piped to the front bumper area, located on the driver's side area. The discharge shall be piped with flexible 1" hose from the master front bumper discharge braided hose. The outlet shall terminate with stainless steel or chrome plated brass chickens swivel outlet with 1" male threads. A 1" manually operated quarter turn ball valve shall be installed at the bumper area with nameplate label provided at valve control area.

Special: James Webb changed component. 12/05/2018 14:29

100670.2 - HOSE REEL

One (1) Hannay aluminum hose reel shall be installed. The reel shall have leak proof ball bearing swing joint, adjustable friction brake, electric 12 volt rewind and manual crank rewind provisions.

The reel shall be mounted on the right (passenger's) side corner of the rear body deck.

100291.1 - REEL CAPACITY

Each hose reel shall have a capacity of 200 feet of hose.

Special: James Webb changed component. 03/08/2018 10:48

100295.1 - HOSE REEL DISCHARGE

One (1) 1" discharge shall be piped from the fire pump to each hose reel with flexible high pressure hose. The quarter turn ball valve shall be on manifold.

100302.1 - NOZZLE MOUNT

Each 1" flexible hose discharge shall have a nozzle bracket installed to hold the nozzle in place.

100299.1 - HOSE REEL HOSE

One (1) 150' foot length of Reel-lite 1" water hose shall be installed on the hose reel. The hose shall be equipped with NH threaded couplings and have a 300 PSI working pressure.

100303.1 - HOSE REEL ROLLER

Each hose reel shall be provided with a Hannay center mounted stainless steel roller assembly.

100280.1 - GROUND SWEEP DISCHARGES -- FRONT BUMPER

Two (2) ground sweep discharge nozzles shall be installed, one each side of the front bumper. Each nozzle shall have a 1" electric control valve, switched independently in the cab. The discharges shall be equipped with removable ground sweep nozzles angled accordingly with a 180 degree total front sweep pattern. The flow rate shall be 15-30 gpm.

Each nozzle shall have a custom fabricated brush guard installed to protect from damage when off road. The valves and manifold shall be protected from damage by the front bumper and skid plate.

One (1) 1.5" front bumper ground sweep discharge shall be piped to the front bumper area. The discharge shall be controlled by a 1.5" manual override valve at the rear pump area. Flexible 1.5" diameter high pressure hose shall be provided from the pump to the sweep nozzles with low point drains where necessary.

100279.1 - FRONT BUMPER MONITOR

One (1) Akron 3462 Forestry Monitor with quick disconnect (34621103, FM 2NPTX1.5NH, 12V, 125NZ, JY, QD, VLV, RED) shall be installed. The remote monitor shall be located on the front bumper of the apparatus. The monitor shall be an all-electric single waterway monitor constructed of lightweight Pyrolite, with a 2" electric valve.

The monitor shall have a fully enclosed 12-volt motor and gears with a manual override for both horizontal and vertical rotation and may be operated simultaneously. The vertical travel shall be from 45-degrees below to 90-degrees above horizontal with adjustable stops at -20 degrees and +45 degrees. The horizontal rotation shall be 320-degrees with adjustable stops at +90-degrees.

The logic box shall include coated, solid state components to resist water corrosion. The control joystick shall control the vertical and horizontal rotation of the monitor and the pattern of the nozzle.

The nozzle shall be 30-125 gpm adjustable.

The Akron "FireFox" monitor shall include a weather-tight enclosure and joystick controls mounted on the center cab console area. The joystick control shall include a valve trigger and following controls functions:

Water Valve: ON/OFF
Monitor: RIGHT/LEFT
Monitor: UP/DOWN
Pattern Control: STRAIGHT/FOG

100259.1 - CLASS A FOAM SYSTEM

A Scotty Model #4171 Class A through-the-pump foam system shall be installed to supply all discharges. The unit shall be mounted at the rear of the apparatus, within easy reach of pump operator. The unit shall be adjustable, permitting various foam ratio percentages to be educted depending on the nozzles in use. Foam selection percentages between .07 and 1% shall be available. The foam system has been designed for simplicity of operation and maintenance. A flush system will be installed.

100226.1 - WATER TANK GAUGES

One (1) Class 1 "Intelli-Tank" water tank level gauge shall be installed on pump panel. The tank level gauge shall indicate the liquid level on an easy to read LED display and show increments of 1/8 tank. A pressure transducer shall be mounted on the outside of the tank in an easily accessible area.

CAB MOUNTED -

One (1) Class 1 112124 "Intelli-Tank" mini water tank level gauge shall be installed in the cab or center console. The tank level gauge shall indicate the liquid level on an easy to read LED display and show increments of 1/8 tank.

100200.1 - WATER TANK SPECIFICATIONS

The water tank shall have a capacity of 400 gallons.

100203.1 - TANK BUILD SPEC

The water tank shall be constructed of black polypropylene, nitrogen-welded and tested inside and out. The tank manufacturer shall define the floor, top, sides, ends, and baffles material thickness. The tank shall carry a lifetime warranty.

The transverse and longitudinal swash partitions shall be interlocked and welded to each other as well as to the walls of the tank. The partitions shall be designed and equipped with vent holes to permit air and liquid movement between compartments. The cover shall be recessed .375" from the top of the side walls. Hold down dowels shall extend through and be welded to both the covers and the transverse partitions, providing rigidity during fast fill operations. Drilled and tapped holes for lifting eyes shall be provided in the top area of the water tank.

The water tank manufacturer shall certify the capacity of the water tank prior to delivery of the apparatus. This capacity shall be recorded on the manufacturer's data plate.

100205.1 - NFPA COMPLIANCE

The water tank construction shall conform to applicable NFPA standards.

100206.1 - WATER TANK SIGHT GAUGE

The water tank shall be equipped with translucent water level sight gauge in the rear wall of the tank.

100207.2 - FILL TOWER LOCATION

The tank fill tower shall be located in the driver's side rear corner of the water tank.

FILL TOWER SHALL RISE NO HIGHER THAN THE CAB

Special: James Webb changed component. 03/08/2018 11:00

100209.1 - VENT AND OVERFLOW

The fill tower shall incorporate a vent and overflow system shall be designed into the water tank. The system shall include a 3" diameter pipe that functions both as an air vent while emptying the tank and as an overflow when filling the tank. The overflow shall discharge excess water below the frame rails of the vehicle.

100216.1 - WATER TANK DRAIN PROVISIONS

A 1.5" plugged drain provision shall be installed in the bottom of the water tank, sump, or plumbing for water tank draining and flush-out of debris.

100227.2 - FOAM TANK SPECIFICATIONS

The Class A foam tank shall have a capacity of 10 gallons.

FOAM TOWER SHALL RISE NO HIGHER THAN CAB

Special: James Webb changed component. 03/08/2018 11:04

100232.1 - FOAM TANK AND VENTING PROVISIONS

The foam concentrate tank shall be provided with a fill pipe having a volume of not less than 2 percent of the total tank volume. The filler opening shall be capped with a sealed air-tight threaded cover. The fill opening shall be designed to incorporate a removable screen and shall be located so that foam concentrate from a five (5) gallon container can be dumped into the tank.

The foam tank filler shall be equipped with a pressure/vacuum vent that enables the tank to compensate for changes in pressure or vacuum when filling or withdrawing foam concentrate from the tank. The pressure/vacuum vent shall not allow atmospheric air to enter the foam tank except during operation or to compensate for thermal fluctuations. The vent shall be protected to prevent foam concentrate from escaping or directly contacting the vent at any time. The vent shall be of sufficient size to prevent tank damage during filling or foam withdrawal.

A color coded label or visible permanent marking that reads "CLASS A -- FOAM TANK FILL" shall be placed at or near the foam concentrate tank fill opening. An additional label shall be placed at or near any foam concentrate tank fill opening stating the type of foam concentrate the system is designed to use.

Any restrictions on the types of foam concentrate that can be used with the system shall also be stated, along with a warning message that states "WARNING: DO NOT MIX BRANDS AND TYPES OF FOAM."

100233.1 - FOAM SYSTEM PIPING

A 3/4" fitting shall be provided on the foam tank for connection of the foam tank to the suction side of the foam system.

100235.1 - FOAM TANK DRAIN AND VALVE PROVISIONS

A 3/4" diameter connection, piping, and valve shall be installed for the foam tank for draining purposes.

100238.1 - FOAM TANK GAUGE

A Class 1 foam tank level gauge shall be installed on the pump panel. The tank level gauge shall indicate the liquid level on an easy to read LED display and show increments of 1/8 tank. A pressure transducer shall be mounted on the outside of the tank in an easily accessible area.

100547.4 - FLAT-BED BODY -- ALUMINUM

The body will be a custom fabricated severe service flatbed type constructed of aluminum. The body shall be 114" long by 96" wide, designed for a 60" cab to axle (chassis) dimension. The body shall be specifically designed and engineered for off-road wildland firefighting.

MAIN FRAME

The body shall have 5" x 1.75" structural aluminum channel main frame rails. The body frame rails shall be isolated from the truck frame by .500" industrial isolators.

SUB-FRAME

The cross-members shall be 3" x 2 5/16" structural aluminum I beams with cross-members on 12" centers.

MOUNTING

The body shall be bolted to the chassis frame rails at the rear end of the frame. There shall be brackets installed at the middle of the body frame to prevent side to side movement. The body shall be spring mounted at the front of the body frame. The flexible mounting system shall allow for body/chassis flexing during extreme off road conditions.

SQUARED CORNERS

The front corners of the flat-bed body will be squared.

HEADACHE RACK

The front of the body shall have a 2" formed aluminum tube headache rack. The rack shall extend the full width of the body and be attached to the front body corners. The assembly shall extend above the chassis cab and have mounting platform for installation of the light bar and two work lights. Wiring for the lights will be placed inside the tubing for protection. The headache rack shall have four (4) vertical 2" tubes for extra strength.

HEADACHE RACK WILL BE NO TALLER THAN THE CAB.

FUEL FILLER

The fuel filler tube and cap shall be installed at the driver's side, rear of the body.

FENDER PANELS

The lower portion of the flat-bed body shall have fender panels over and aft of the rear wheel panel area. The panels shall be constructed of painted aluminum. The wheel well openings will be cut out to conform to the wheels.

REAR BODY PANEL

A vertical body panel shall be installed at the rear of the body constructed of painted .125" smooth aluminum. The panel shall house the running lights, taillights, back-up lights, and emergency lights. The body panel shall be angled to allow for approximately 27 degrees angle of departure.

PROTECTIVE RAILS

The upper body area shall be protected with radius corner 1" diameter aluminum tube railing assembly installed around the top of the step side flat-bed body. The corners of the body shall have vertical risers space in critical areas. The railings shall act as protection for the upper body structures when off road in heavy brush conditions. The rear upper body corner rails shall house the upper emergency lights and work lights.

HAND RAILS WILL BE NO TALLER THAN THE CAB

All exterior body surfaces to be painted Pierce Red over Ford White.

Special: James Webb changed component. 03/08/2018 12:51

203804.5 - PAINTED FINISH BODY AND COMPARTMENTS/TRAYS

The exterior surface of all body skins, compartments, and trays shall all be painted smooth aluminum plate.

The surface shall be sanded, acid washed, acid primed, primed, and top coat painted in accordance with the paint manufacturers specifications.

The upper color shall be RED #90

The lower color shall be Ford White

Paint break shall match the paint break on the cab.

235813.3 - BED LINNING IN COMPARTMENTS

The two (2) upper body compartments shall be sprayed with a lining/spray liner in the floor of the compartment and 2" up the walls.

Special: James Webb changed component. 03/08/2018 12:53

100120.1 - SQUARE CORNERS -- FLAT-BED

The front corners of the flat-bed body shall be square.

100144.4 - DRIVERS SIDE UPPER BODY COMPARTMENT, LONG

A body equipment storage compartment shall be installed on the flatbed surface, driver's side of the apparatus. The exterior dimensions shall be approximately 110" wide, 24" high, and 18" deep. The compartment shall be constructed of .125" smooth aluminum on all exterior surfaces. The compartment shall be painted Pierce red and Ford White and follow the paint break of the chassis. The compartment shall be equipped with dual lift up doors with latches installed. The doors shall be equipped with dual gas operated door opening assistant cylinders. Turtle tile shall be installed on the floor.

The actual door openings shall be approximately 3" smaller in dimension.

100148.4 - PASSENGERS SIDE UPPER BODY COMPARTMENT

A body equipment storage compartment shall be installed on the flatbed surface, passenger's side of the apparatus. The exterior dimensions shall be approximately 72" wide, 24" high, and 18" deep. The compartment shall be constructed of .125" smooth aluminum on all exterior surfaces. The compartment shall be painted Pierce red and / or Ford White and follow the paint break of the chassis. The compartment shall be equipped with a lift up door with latch installed. The door shall be equipped with dual gas operated door opening assistant cylinders. Turtle tile shall be installed on the floor.

The actual door opening shall be approximately 3" smaller in dimension.

228572.2 - PLYWOOD MOUNTING

There shall be 3/4" plywood installed on back wall of the two (2) upper body compartments. It shall be used for mounting tools.

100158.1 - NO -- COMPARTMENT, REAR, CENTER UNDER-BODY

100160.1 - INTERIOR COMPARTMENT VENTILATION LOUVERS

The interiors of the upper body compartments shall have louvered ventilation units.

100161.1 - COMPARTMENT DOOR KEY LOCKS

The hinged compartment doors shall be equipped with key type door locks.

100720.2 - COMPARTMENT LIGHTING, STRIP LIGHTS (Qty: 2)

Each upper body compartment shall be equipped with a white LED strip light.

100163.2 - AUTOMATIC COMPARTMENT DOOR LIGHT SWITCHES (Qty: 2)

Each exterior compartment light shall be automatically controlled by a door activated switch.

100164.1 - DOOR AJAR LIGHT

A "door ajar" warning light shall be installed on the center console. The light shall be flashing red LED light with a clear lens.

100381.9 - TOOL STORAGE TRAY/COMPARTMENT -- DRIVER'S SIDE

A tool storage compartment shall be installed over the driver's side equipment compartment, on the driver's side of the apparatus. The exterior dimensions shall be approximately: 16" wide, 8" high, and 96" long.

The compartment shall be constructed of .125" smooth aluminum on all exterior surfaces. The compartment shall be painted Pierce red and / or Ford White and follow the paint break of the chassis. The compartment shall be painted Pierce red and / or Ford White and follow the paint break of the chassis.

The compartment shall be equipped with a hinged lift up smooth aluminum door with a latch installed. The compartment shall be equipped with Turtle Tile floor covering.

The actual door opening shall be approximately 3" smaller in dimension.

Special: James Webb changed component. 03/08/2018 13:12

100382.3 - TOOL STORAGE TRAY/COMPARTMENT - PASSENGER SIDE

A tool storage compartment shall be installed over the passenger's side equipment compartment, on the passenger's side of the apparatus. The exterior dimensions shall be approximately: 16" wide, 8" high, and 72" long. The compartment shall be constructed of .125" smooth aluminum on all exterior surfaces. The compartment shall be painted Pierce red and / or Ford White and follow the paint break of the chassis. The compartment shall be equipped with a hinged lift up smooth aluminum door with a latch installed. The compartment shall be equipped with Turtle Tile floor covering.

The actual door opening shall be approximately 3" smaller in dimension.

100181.1 - FOLDING STEP

A Signature 4 lighted 8" square folding step of die cast zinc shall be installed. The step shall comply with NFPA non-slip standards and shall be installed on the rear driver's side of the body. The step shall be equipped with lighting to NFPA standard.

100692.1 - SIDE BODY ACCESS STEPS

There shall be a body access step assisting in access to top of the tool/hose trays from the side of the apparatus. It shall be a stirrup design, and be fabricated from 1" aluminum tubing. They shall be installed under the front of the body, one (1) each side.

100325.1 - ELECTRICAL ENCLOSURE

An electric wiring enclosure for the 12 volt wiring shall be installed in the forward wall of the driver's side upper body compartment with an access panel. The dimensions of the enclosure shall be approximately 20" high, 14" wide, and 4" deep.

100326.1 - 12 VOLT ELECTRICAL SPECIFICATIONS

The following describes the low voltage electrical system on the apparatus including all panels, electrical components, switches and relays, wiring harnesses and other electrical components. The apparatus manufacturer shall conform to the latest Federal DOT standards, current automotive electrical system standards and the applicable requirements of the NFPA.

Wiring shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for which the circuit is protected. Voltage drops shall not exceed 10 percent in all wiring from the power source to the using device. The wiring, wiring harness and insulation shall be in conformance to applicable SAE and NFPA standards. The wiring harness shall conform to SAE J-1128 with GXL temperature properties. Exposed wiring shall be run in a loom with a minimum 289 degree Fahrenheit rating. Wiring looms shall be properly supported and attached to body members. Electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction.

All wiring connections and terminations shall provide positive mechanical and electrical connections and be installed in accordance with the device manufacturer's instructions. When wiring passes through metal panels, electrical connections shall be secured with mechanical type fasteners and rubber grommets

Wiring between cab and body shall be split using connectors or enclosed in a terminal junction panel allowing body removal with minimal impact on the apparatus electrical system. Connections shall be crimp-type with heat shrink tubing with insulated shanks to resist moisture and foreign debris such as grease and road grime. Weather resistant connectors shall be

provided throughout the system.

Electrical junction or terminal boxes shall be weather resistant and located away from water spray conditions. When required, automatic reset breakers and relays shall be housed in the main body junction panel.

There shall be no exposed electrical cabling, harnesses, or terminal connections located in compartments, unless enclosed in an electrical junction box or covered with a removable electrical panel. Wiring shall be secured in place and protected against heat, liquid contaminants and damage.

Low voltage overcurrent protective devices shall be provided for the electrical circuits. The devices shall be accessible and located in required terminal connection locations or weather resistant enclosures. Overcurrent protection devices shall be automatic reset type suitable for electrical equipment and meet SAE standards. All electrical equipment, switches, relays, terminals, and connectors shall have a direct current rating of 125 percent of maximum current for which the circuit is protected. Electro-magnetic interference suppression shall be provided in the system as required in applicable SAE standards.

The electrical system shall include the following:

Electrical terminals in weather exposed areas shall have a non-conductive grease or spray applied. All terminal plugs located outside of the cab or body shall be treated with a corrosion preventative compound.

All electrical wiring shall be placed in a protective loom or be harnessed.

Exposed connections shall be protected by heat shrink material and sealed connectors.

Large fender washers shall be used when fastening equipment to the underside of the cab roof and all holes made in the roof shall be caulked with silicone.

Electrical components installed in exposed areas shall be mounted in a manner that will not allow moisture to accumulate inside.

A coil of wire must be provided behind an electrical appliance to allow them to be pulled away from mounting area for inspection and service work.

All lights in a weather exposed area that have their sockets shall have corrosion preventative compound added to the socket terminal area.

100327.1 - ELECTRICAL HARNESS AND WIRING

All wiring shall be hidden, enclosed, or protected under the body in protective material, or within the apparatus body components. In addition, split loom conduits shall be installed and enclosed, suitably secured and protected against heat and physical damage.

100090.1 - BATTERY MASTER DISCONNECT

A battery disconnect system shall be installed to control the 12 volt power supply from the battery system to the body and cab final stage manufacturer installed equipment. The solenoid shall be controlled by the standard key starter switch.

100094.2 - BATTERY CHARGER AND 120 VOLT SHORE POWER RECEPTACLE

A Kussmaul Autocharge 1000 model #091-215-12-194B, high output automatic battery charger shall be provided. The battery charger shall be wired to the 12 volt battery system. The unit shall be mounted in a clean, dry area accessible for service and/or maintenance. It shall be wired to the specified shore power receptacle.

It shall include model #091-175-022 Digital Status Display Center.

It shall also include model# 091-55-15-12 15 amp "auto-eject" shore power receptacle with hinged weatherproof cover and an enclosure for protection from dirt and damage. The shore power plug shall be "ejected" when the chassis' engine starter is engaged and the receptacle shall be wired to any 120 volt A/C equipment requiring shore power.

Location shall be: SEE DRAWINGS

Components wired hot: KUSSMAUL HOT BLOCK IN CONSOLE

Special: James Webb changed component. 03/08/2018 15:09

100328.1 - DOT IDENTIFICATION LIGHTS

All LED identification lights shall be installed on the vehicle as required by applicable highway regulations.

100329.1 - LICENSE PLATE MOUNTING

An LED license plate light shall be installed on the rear vertical wall of the body.

100330.1 - BRAKE, TURN, TAIL LIGHTS

Two (2) Whelen M6 Series Model M6BTT 4-5/16" x 6-3/4" brake, turn, tail lights with M6FC chrome flanges shall be provided. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens. The lighthouses shall be surface mountable via two screws.

The lighthouses shall utilize an optic collimator and a chrome vacuum metalized reflector for maximum illumination. The lighthouse shall include 164 flash patterns including: a variety of CA Title 13 compliant, sinkable, left/right, top/bottom, in/out, and steady burn. The lighthouses shall have the Whelen exclusive NERM (Non-Emergency Recognition Mode) feature.

The lens/reflector assembly shall be wet sealed and resistant to: water, moisture, dust, and other environmental conditions. The outer lens shall have a hard coating applied to increase strength and ensure longevity. The light engine shall be installed at the rear of the unit and be completely sealed. The pc board shall be conformal coated for additional protection.

The lights shall be furnished with five 6" wire pigtails, a Santoprene rubber gasket and the #M6FC chrome flanges shall be included for installation.

100331.1 - BACK-UP LIGHTS

Two (2) Whelen M-Series, 4" x 6" rear LED back-up lights shall be installed.

100096.1 - TRAILER PLUG

Wiring shall be provided at the rear of the apparatus for the towing of an auxiliary trailer. A 12 volt seven (7) pin electrical connector shall be wired to the chassis stop, running, and turn lights.

100067.1 - NO HID LIGHTS

No HID off road lights shall be installed.

100070.1 - NO BUMPER GROUND LIGHTS

There shall be no under bumper ground lights installed.

100073.1 - GROUND LIGHTS - CAB

Two (2) Grote #61E41 LED ground lights shall be installed under the cab step area in compliance with NFPA standards, one (1) on each side of the apparatus, wired to a switch in the cab.

100182.2 - GROUND LIGHTS - UNDER REAR STEP

Two (2) Grote #61E41 LED ground lights shall be installed under the rear step area, one on each side of the apparatus, AND SHALL BE WIRED TO REVERSE LIGHTS.

Special: James Webb changed component. 03/08/2018 13:17

100184.1 - WORK LIGHTS

Four (4) Grote #61E41 LED step lights with clear lens shall be installed, wired to switch on the Cencom. Location shall be: in each corner of the protective tubing assembly to light the pump panel and the front body walkway area.

100500.2 - FRONT BUMPER SCENE LIGHTS

A Rigid Manufacturing SR series 91011 10" flood light shall be installed. The LED scene lights shall incorporate clear LED's with a clear optic polycarbonate lens for maximum illumination.

SHALL BE WIRED TO CENCOM

Special: James Webb changed component. 03/08/2018 13:33

100322.1 - SCENE LIGHTS

Six (6) Rigid Manufacturing Dually 20211 scene lights shall be installed. The LED scene lights shall incorporate clear LEDs with a clear optic polycarbonate lens for maximum illumination.

Location shall be: Two (2) outward facing, each side of body, two (2) rear facing.

Special: James Webb changed component. 03/08/2018 13:18

100629.3 - BACK-UP CAMERA SYSTEM

One (1) Rosco STSK4532 rear view mirror camera system shall be furnished utilizing a camera which provides a wide field of

view and picture quality. A sealed camera enclosure shall be utilized along with electronic connections.

One (1) camera shall cover the rear of the apparatus, which will activate during back-up mode and during normal operations if needed.

CAMERA TO BE FLUSH MOUNTED

Special: James Webb changed component. 03/08/2018 13:25

100324.1 - BACK-UP ALARM

One (1) Buyers #BA107 back up alarm shall be installed.

100312.3 - ELECTRONIC SIREN

One (1) Whelen, Model #CCSRN3 CENCOM siren and twenty-one (21) auxiliary switches with noise canceling microphone shall be provided. Siren head will be mounted on the center console in easy reach of the driver.

RADIO PA TO BE HOOKED TO AM/FM OUTPUT. SEE GRANT

Special: James Webb changed component. 03/14/2018 15:01

100313.2 - SIREN SPEAKER

One (1) Whelen Model #SA315P Projector Series siren speaker shall be provided with bracket. The 100 watt siren speaker shall be designed in a black nylon composite housing with 123 decibel rating.

SHALL BE BEHIND GRILLE

Special: James Webb changed component. 03/08/2018 13:43

100495.1 - NO LIGHT BAR INSTALL

200318.1 - IN-CAB LIGHT BAR

A Whelen Inner Edge® XLP WeCan® DUO+™,ç Series model # IW39UFX shall be installed. The IW39UFX shall have the ability to be installed in the upper front windshield of the 2015 Ford Super Duty. The Inner Edge shall incorporate one driver side and one passenger side anodized extruded aluminum black powder coated housings. Each housing shall contain six DUO+ Super-LED® modules. The DUO+ modules shall consist of six linear Super-LEDs with a metalized reflector and clear optic collimator installed on an Inner Edge mounting bracket. The linear Super LEDs in the DUO+ modules shall consist of three colored Super LEDs and three white Super LEDs. The DUO+ modules shall have the ability to function as either warning lights or takedown lights. The electronic components conformal coated PC boards shall provide additional protection against environmental elements.

The IW39UFX shall have an electronic WeCan I/O board. The solid state I/O board shall be microprocessor controlled. The I/O board shall have built-in reverse polarity protection and output-short protection. The I/O board data bank will include 61 Scan-Lock™,ç flash patterns. The IW39UFX will have the ability to cycle flash patterns from Alternating to IN/OUT to Checkerboard. The takedown lights shall have the ability to independently cycle flash patterns of All, Inner, or Outer. A WeCan control point module shall be provided with the ability to program 18 lightbar patterns into the data bank using WeCan software. The programming software shall be downloaded onto a host computer and installed onto the control point via the USB port. All light modules shall be installed in the IW39UFX with the aid of black passivate stainless steel screws. The solid state lightbar shall be vibration resistant. The Inner Edge will contain a 20' 4/c 16/20GA unterminated control cable. The light package for the IW39UFX shall be ordered using model numbers IWP**** and IWD**** as a separate line item at no additional charge. All electronic components are covered by a five year factory warranty. The IW39UFX shall include a permanent mount kit with hardware.

Voltage: +12v Size of Each Housing: (Maximum Length) H=2.14", W=13.33", D=3.37"

Amp Draw: 350 mA per Warning Side of the Module; 350 mA per Takedown Side of the Module Lens Color: Clear

228564.6 - OPTICOM

An Opticom GTT 792H shall be installed above rear view camera screen

Special: James Webb changed component. 03/08/2018 13:55

203775.2 - NFPA WARNING LIGHTS RED/BLUE SPLIT

ZONE A -- LOWER FRONT WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7D 3" x 7" warning lights and a chrome flange shall be in the front forward facing area of the front bumper. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of 18 Super-LEDs and a clear optic polycarbonate lens. The lighthouses shall be surface mountable via two screws. The lighthouses shall utilize an optic collimator and a chrome vacuum metalized reflector for maximum illumination.

RED/WHITE

ZONE B AND D -- INTERSECTION LIGHTS

Two (2) Whelen M-7 Series Model #M7D 3" x 7" warning lights and a chrome flange shall be installed on bumper extension, as far forward as possible. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of 18 Super-LEDs and a clear optic polycarbonate lens.

RED/WHITE

ZONE B AND D -- LOWER SIDE REAR CORNER WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7K 3" x 7" warning lights and a chrome flange shall be installed in lower rear side corner body area. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of 18 Super-LEDs and a clear optic polycarbonate lens.

RED/AMBER

ZONE B AND D -- UPPER SIDE REAR WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7K 3" x 7" warning lights and a chrome flange shall be installed in the upper rear body side panel. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of 18 Super-LEDs and a clear optic polycarbonate lens.

RED/AMBER

ZONE C -- UPPER REAR WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7K 3" x 7" warning lights and a chrome flange shall be installed in the upper rear corner of the handrails. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of 18 Super-LEDs and a clear optic polycarbonate lens.

RED/AMBER

ZONE C -- LOWER REAR WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7K 3" x 7" warning lights and a chrome flange shall be lower rear of body. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of 18 Super-LEDs and a clear optic polycarbonate lens.

RED/AMBER

Special: James Webb changed component. 03/08/2018 14:03

100332.1 - CAB REFLECTIVE LETTERING

The cab lettering shall be Scotchlite reflective material, shaded in black. A quantity of up to fifty (50) three inch (3") letters shall be installed as directed by Fire Department.

100335.2 - CUSTOM GRAPHICS

The apparatus shall be provided with THREE (3) custom designed sign gold graphics, emblems, or seals. The installation shall be designed primarily with letters and numbers as specified. The purchaser shall approve of the design graphics prior to installation.

Special: James Webb changed component. 03/08/2018 14:16

100338.1 - REFLECTIVE STRIPING

The sides of the vehicle shall be provided with a 1" x 4" x 1" wide 3M brand Scotchlite reflective multi-stripe. There shall be a 1" gap between each of the stripes. The striping shall be placed up to 60" above ground level and shall conform to NFPA reflectivity requirements. At least 50% of the perimeter length of each side shall have reflective striping.

Special: James Webb changed component. 03/08/2018 14:15

100345.1 - REAR CHEVRON STRIPING

There shall be alternating chevron striping installed on the rear vertical body panel. The chevron striping shall consist of 6" diamond grade in the following colors:

red
lime yellow

100346.1 - CAPACITIES PLACARD

The apparatus shall have a reflective placard that provides the following information:

Water Tank Capacity
Pump Capacities
NWCG Typing
Skeeter Contact Information

100040.1 - CHASSIS PREPARATION

The chassis cab shall be "prepped" for fire apparatus production as follows:

- a) Wash and clean chassis
- b) Weigh chassis for NFPA reports
- c) Quality control check in.

100041.1 - SEATING

There shall be a label identifying the number of seat belted locations on the unit.

100042.1 - WARNING LABEL -- SEAT BELT USAGE

A warning label for use of seat belts shall be installed in the cab by the chassis manufacturer.

100043.1 - LOUD NOISE WARNING LABEL

A final stage manufacturer shall install "hearing loss" potential warning labels on the vehicle in any areas or fixed equipment that produces excessive noise levels. (exhaust outlet, sirens and air horns shall not be required for such equipment.)

100135.1 - WARNING LABEL -- NO RIDING ON REAR

A warning label stating: "NO RIDING ON REAR OF APPARATUS" shall be installed on rear of the apparatus. The label shall be applied to the vehicle at the rear step area. The label shall warn personnel that riding in or on these areas, while the vehicle is in motion, is prohibited.

100136.1 - SKEETER BRUSH TRUCK EMBLEMS

Three (3) Skeeter Brush Trucks emblems will be affixed to the cab and body.

100196.1 - FINAL ASSEMBLY AND APPARATUS FINISHING PREP SPECIFICATIONS

The apparatus shall be assembled in a high quality and controlled environment. The fit, form, and finish of the body shall be to the highest level fire apparatus manufacturing standards. Upon completion, the apparatus shall be ready for final inspection and road testing as required herein.

100361.1 - FIRE PUMP OPERATIONS TEST

The fire pump shall have a operational pump test performed by a Skeeter Brush Trucks technician with a run time of one (1) hour to confirm proper operations of all pump related components.

100362.1 - ELECTRICAL LOAD ANALYSIS

A 12 volt electrical load analysis shall be performed in order to test response and stationary modes of electrical amp load.

100363.1 - COMPLIANCE

The fire apparatus shall be built to the purchaser's requirements in compliance to all State, Local, and Federal highway safety requirements. The vehicle is not intended to meet any or all standards of the NFPA.

100365.1 - ROAD TEST

A road test will be conducted with the apparatus fully loaded and a continuous run of no less than ten (10) miles. During that time the apparatus will show no loss of power nor will it overheat. The transmission drive shaft or shafts and the axles will run quietly and be free of abnormal vibration or noise.

100366.1 - APPARATUS WARRANTY SKEETER MANUFACTURED ITEMS

A five (5) year parts and labor warranty on items manufactured by Skeeter Brush Trucks. Skeeter Brush Trucks is a subsidiary of Siddons/Martin Emergency Group, a Pierce Platinum Dealer, which has 13 service centers between Texas, Louisiana, and New Mexico. In the event the apparatus is deployed outside of its normal area of operation, warranty and service can be performed at any Siddons-Martin facility at the discretion of the fire department. For warranty issues please contact your local Siddons-Martin or Skeeter Brush Truck service center and request warranty from the service advisor at that location.

100369.1 - WATER TANK WARRANTY

MANUFACTURER'S LIMITED WARRANTY AND NOTICE OF DISCLAIMER OF EXPRESS AND IMPLIED WARRANTIES

Manufacturer issues this limited warranty to the customer who is the original retail purchaser ("Customer") of a polypropylene tank (the "Tank") (10 to 4000) gallons.

100351.1 - PRE-CONSTRUCTION MEETING

A pre-construction meeting shall be conducted at the manufacturer's plant. The transportation to this meeting shall be the responsibility of purchaser.

100651.1 - DRAWINGS

There shall be design drawings submitted to the customer prior to the pre-construct conference. The drawings shall include all sides of the apparatus. The customer shall agree to the drawings reflecting the correct apparatus design and layout prior to construction.

100353.1 - TERMS OF PAYMENT AND PREPAYMENT PROVISIONS

Terms of payment for the specified vehicle shall be only cash or equivalent on delivery and acceptance for the unit. No bid will be considered which requires the purchaser to deposit with the bidder a down payment, prepayment of chassis, or any other such consideration as a condition of the bid. Such a requirement shall be grounds for immediate rejection of the bid.

100356.1 - DEMONSTRATION AND FAMILIARIZATION OF VEHICLE

The bidder shall demonstrate and familiarize the purchaser regarding the vehicle's operation. This shall include operation of chassis, major components, review of delivery information and documentation. This demonstration shall be completed at Skeeter Brush Trucks factory location in Hillsboro, Texas.

100358.1 - DELIVERY REQUIREMENTS

The apparatus shall be picked up at the manufacturer's plant by the purchaser.