

Siddons Martin Emergency Group, LLC
3500 Shelby Lane
Denton, TX 76207
GDN P115891
TXDOT MVD No. A115890



December 10, 2024

Mike Silva, Fire Chief
 Mission Fire Department
 415 West Tom Landry Street
 Mission, TX 78572

Proposal For: One (1) Ford F-550 Stock Skeeter Hybrid ATP (S14824)

Siddons-Martin Emergency Group, LLC is pleased to provide the following proposal to Mission Fire Department. Unit will comply with all specifications attached and made a part of this proposal. Total price includes delivery FOB Mission Fire Department and training on operation and use of the apparatus.

Description	Amount
<hr/>	
S14824: One (1) Ford F-550 Stock Skeeter Hybrid ATP	
(Unit Price - \$255,939.00)	
Delivery within 4-5 months of order date	
QUOTE # - SMEG-0008822-0	
Vehicle Price	\$255,939.00
S14824 - UNIT TOTAL	\$255,939.00
<hr/>	
SUB TOTAL	\$255,939.00
HGAC FS12-23 (SKEETER)	\$1,000.00
TOTAL	\$256,939.00

Price guaranteed until 12/31/2024

Additional: This proposal is valid for Siddons-Martin Emergency Group Stock Skeeter Unit S14824. Stock apparatus sales are subject to availability of the apparatus upon the receipt of the executed proposal letter and / or purchase order, whichever comes first.

Please issue your Purchase Order to:

Cavender Grande Ford
 4562 IH 10 East
 San Antonio, TX 78219

Due to global supply chain constraints, any delivery date contained herein is a good faith estimate as of the date of this order/contract, and merely an approximation based on current information. Delivery updates will be made available, and a final firm delivery date will be provided as soon as possible.

Taxes: Tax is not included in this proposal. In the event that the purchasing organization is not exempt from sales tax or any other applicable taxes and/or the proposed apparatus does not qualify for exempt status, it is the duty of the purchasing organization to pay any and all taxes due. Balance of sale price is due upon acceptance of the apparatus at the factory.

Late Fee: A late fee of .033% of the sale price will be charged per day for overdue payments beginning ten (10) days after the payment is due for the first 30 days. The late fee increases to .044% per day until the payment is received. In the event a prepayment is received after the due date, the discount will be reduced by the same percentages above increasing the cost of the apparatus.

Cancellation: In the event this proposal is accepted and a purchase order is issued then cancelled or terminated by Customer before completion, Siddons-Martin Emergency Group may charge a cancellation fee. The following charge schedule based on costs incurred may be applied:

- (A) 10% of the Purchase Price after order is accepted and entered by Manufacturer;
- (B) 20% of the Purchase Price after completion of the approval drawings;
- (C) 30% of the Purchase Price upon any material requisition.

The cancellation fee will increase accordingly as costs are incurred as the order progresses through engineering and into manufacturing. Siddons-Martin Emergency Group endeavors to mitigate any such costs through the sale of such product to another purchaser; however, the customer shall remain liable for the difference between the purchase price and, if applicable, the sale price obtained by Siddons-Martin Emergency Group upon sale of the product to another purchaser, plus any costs incurred by Siddons-Martin to conduct such sale.

Acceptance: In an effort to ensure the above stated terms and conditions are understood and adhered to, Siddons-Martin Emergency Group, LLC requires an authorized individual from the purchasing organization sign and date this proposal and include it with any purchase order. Upon signing of this proposal, the terms and conditions stated herein will be considered binding and accepted by the Customer. The terms and acceptance of this proposal will be governed by the laws of the state of Texas. No additional terms or conditions will be binding upon Siddons-Martin Emergency Group, LLC unless agreed to in writing and signed by a duly authorized officer of Siddons-Martin Emergency Group, LLC.

Sincerely,

Chris Navarrete

Chris Navarrete

I, _____, the authorized representative of Mission Fire Department, agree to purchase the proposed and agree to the terms of this proposal and the specifications attached hereto.

Signature & Date

Siddons-Martin **Emergency Group**

Protecting the Southwest

Proposal for:
One (1) Ford F-550 Stock Skeeter Hybrid ATP (S14824)

Submitted To:
Mike Silva, Fire Chief
Mission Fire Department
415 West Tom Landry Street
Mission, TX 78572

December 10, 2024

Prepared By:
Chris Navarrete
Siddons-Martin Emergency Group, LLC
3500 Shelby Lane Denton, TX 76207
GDN: P115891 TXDOT MVD: No. A115890
EIN: 27-4333590 DUNS: 06-586-1693
www.siddons-martin.com
(800) 784-6806



Mobile: (832) 763-0295 Fax: (281) 442-0850 E-Mail: swherry@siddons-martin.com



OSHKOSH



December 20, 2024

Houston-Galveston Area Council (H-GAC)
Attn: Shantra Wilson

RE: HGAC Contract FS12-23 Purchase

The City of Mission has contracted with Cavender Grande Ford to purchase the fire apparatus listed below on HGAC contract FS12-23:

- One (1) Ford F-550 Stock Skeeter Hybrid ATP (\$14824)

The purchase includes published and / or unpublished options as shown in the HGAC worksheet totaling the following contractual amount:

Purchase Price	\$255,939.00
HGAC Fee	\$1,000.00
Total Purchase Price	\$256,939.00

Sincerely,

Michael Silva
Fire Chief
Mission Fire Department

Signature

Date



**Skeeter Brush Trucks
Texas Purchase Order Addendum**

Purpose & Applicability: To provide clear purchase order (PO) instructions for customers of Siddons Martin Emergency Group (SMEG) that have accepted a SMEG proposal for the sale of a Skeeter Brush Truck within the state of Texas. *This addendum is only applicable to SMEG customers purchasing a Skeeter Brush Truck within the state of Texas.*

PO Instructions: Customers must issue the purchase orders to one of the applicable OEM chassis dealers listed below. The OEM chassis dealer is determined by the make of chassis selected in the SBT specification.

Explanation: Per Texas law, the PO must be issued to one of the OEM chassis dealers below for MSO registration purposes in Texas.

Skeeter OEM chassis dealer selection: *To complete this form please check box of the OEM chassis dealer which corresponds with your Purchase Order then sign and date below.*



**Ford PO issued to: Cavender Grande Ford
4562 IH 10 East
San Antonio, TX 78219**



**Ram PO issued to: Grapevine DCJ, LLC
2601 William D Tate
Grapevine, TX 76051**



**Chevy PO issued to: Caldwell Chevrolet
800 TX-21
Caldwell, TX 77836**



**International PO issued to: Southwest International
3722 Irving Blvd
Dallas, TX 75247**



**Freightliner PO issued to: Doggett Freightliner of South Texas, LLC
1701 Smith Rd
Austin, TX 78721**

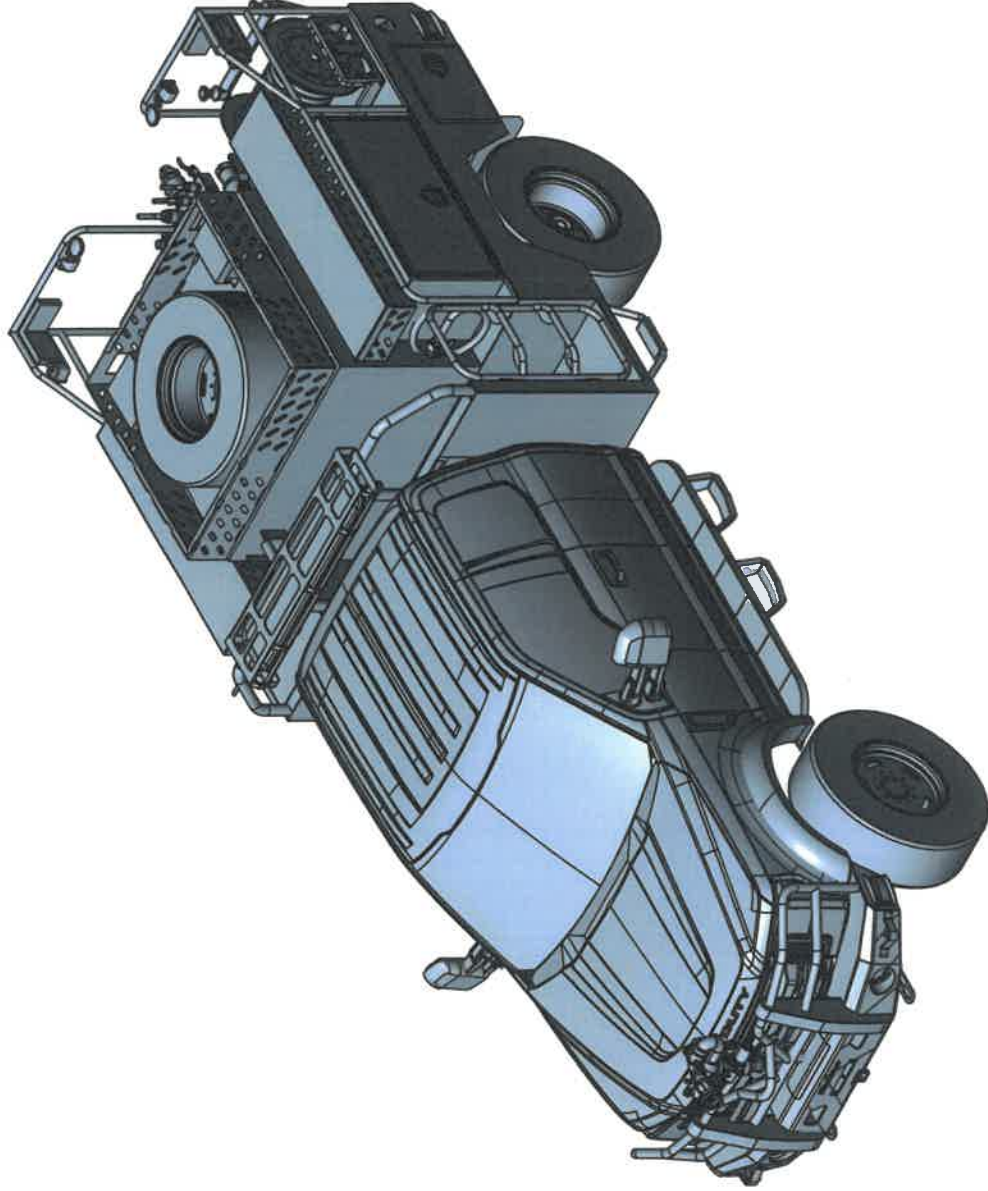
Customer Signature: _____ Date ____/____/____

PROPERTY OF

SKEETER EMERGENCY VEHICLES

PREPARED FOR

SMEG



PREPARED FOR:

SMEG

JOB NO.

14824

TITLE:

COVER PAGE

SPEC NO.

7129

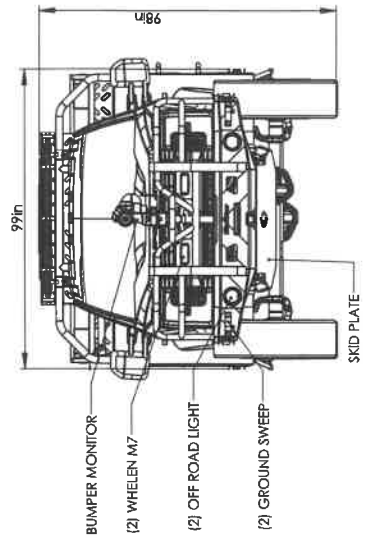
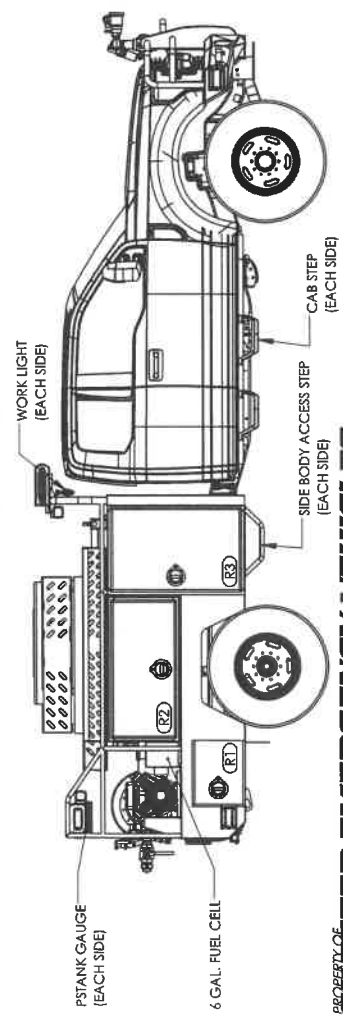
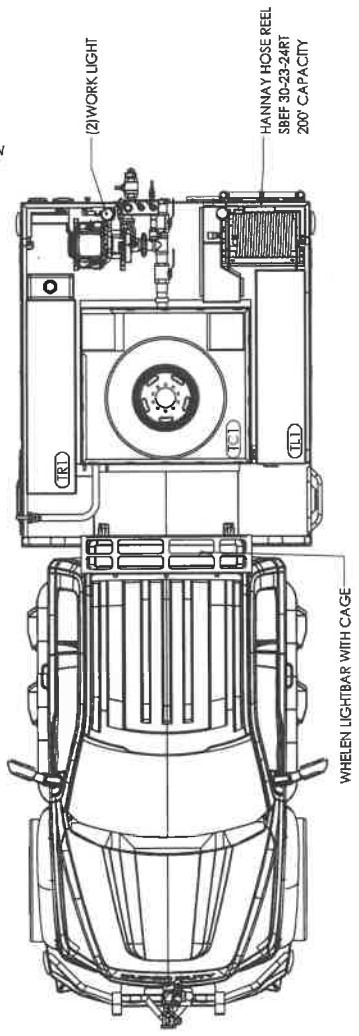
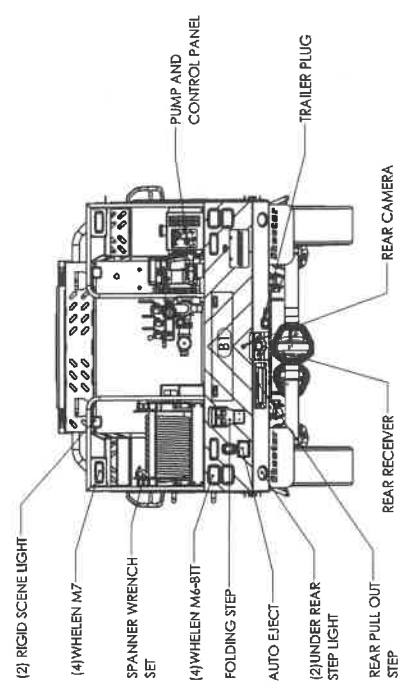
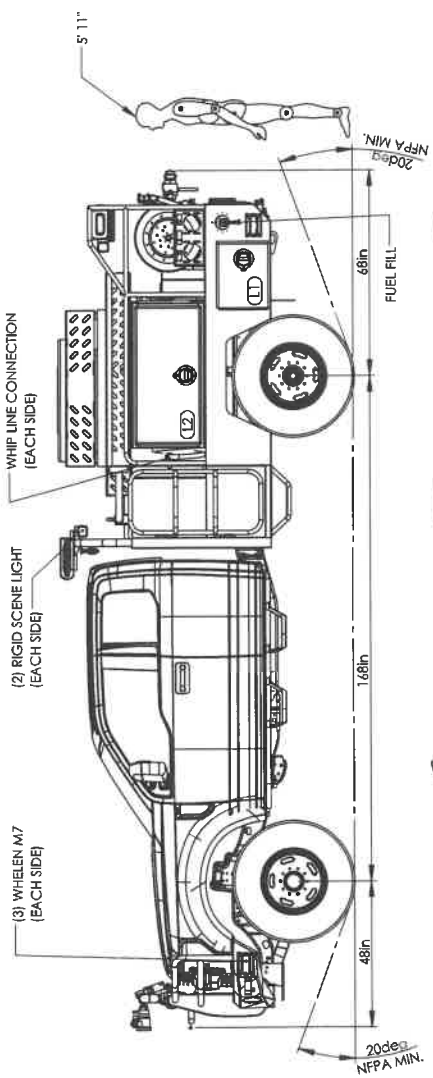
DRAWN BY: RUSSELL L

SCALE: 1:25

SPEC DATE
8/13/2024

PRINT DATE
8/13/2024

SHEET 1 OF 3



NWCG TYPE 5 WILDLAND ENGINE

CHASSIS:	F-550 EXT CAB
BODY:	114 RESCUE/STEP SIDE
FRONT BUMPER:	SKEETER CUSTOM ALUMINUM
PUMP:	DARLEY 2 BE 18V
WATER TANK:	400 GALLONS WATER, 10 GALLONS FOAM

PROPERTY OF SKEETER EMERGENCY VEHICLES

NOTE DETAILS AND DIMENSIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MINOR DEVIATIONS AS MAY OCCUR OR BE NECESSARY IN CONSTRUCTION. MINOR DETAILS NOT SHOWN.

PREPARED FOR: SMEG

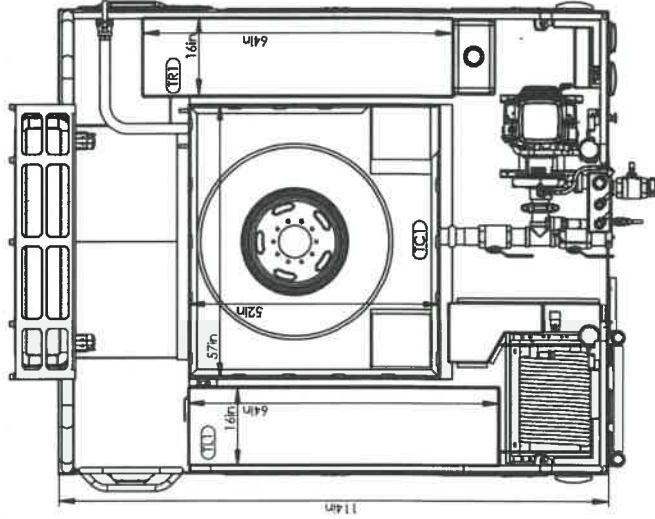
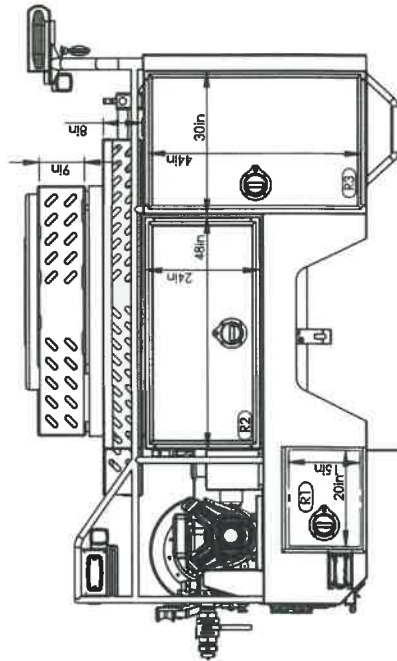
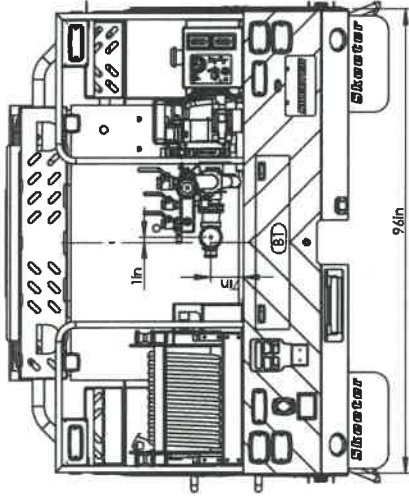
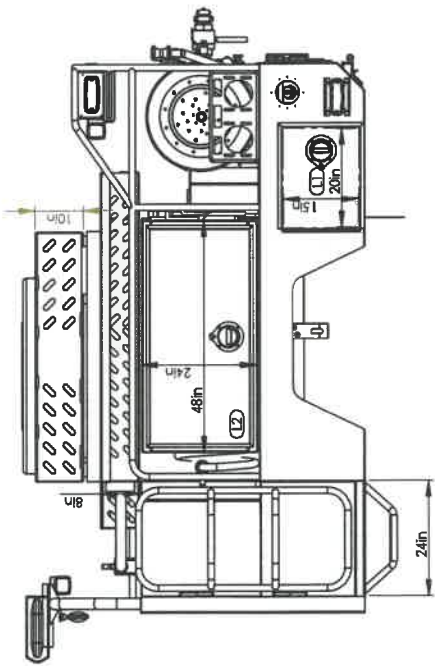
JOB NO. 14824

TITLE: OVERVIEW

SPEC NO. 7129
SPEC DATE 8/13/2024

DRAWN BY: RUSSELL L.
PRINT DATE: 8/13/2024

SCALE: 1:40
SHEET 2 OF 3



COMPARTMENTS	
L1/R1	REAR UNDERBODY HEIGHT: 15" WIDTH: 20" DEPTH: 23"
L2/R2	UPPERBODY HEIGHT: 24" WIDTH: 48" DEPTH: 18"
R3	FRONT RESCUE HEIGHT: 44" WIDTH: 30" DEPTH: 24"
TL1	VENTED HOSE TRAY HEIGHT: 8" WIDTH: 16" LENGTH: 64"
TR1	VENTED TOOL TRAY HEIGHT: 10" WIDTH: 57" LENGTH: 52"
TC1	TANK TOP STORAGE HEIGHT: 6" WIDTH: 32" DEPTH: 108"
B1	REAR CENTER UNDERBODY HEIGHT: 6" WIDTH: 32" DEPTH: 108"

PROPERTY OF **SKEETER EMERGENCY VEHICLES**

NOTE: DETAILS AND DIMENSIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MINOR DEVIATIONS AS MAY OCCUR OR BE NECESSARY IN CONSTRUCTION. MINOR DETAILS NOT SHOWN.

JOB NO. **14824**
SPEC NO. 7129
DRAWN BY: RUSSELL L.
SCALE: 1:25
SPEC DATE: 8/13/2024
PRINT DATE: 8/13/2024
SHEET 3 OF 3

TITLE: **BED OVERVIEW**



Component List

Customer:	Siddons Martin Emergency Group	Spec Number:	7129
Address:	1362 E. Richey Rd	Job Number:	S14824
City, State Zip:	Houston TX 77073	Spec Date:	August 13, 2024
Contact:	Kirk Givler , VP of Sales	Body:	Rescue/Step Side, Alum, 114
Sales Rep:	Kyle Hall	Chassis:	Ford F550 - 4x4 - Diesel - EXT Cab
Dealership:	Skeeter Brush Trucks	Tank:	400 Gallons, Poly

Line	Option	Qty	Description
001	100044.1	1	Paint (Single Stock Color)
002	100025.1	1	Ford F550 - 4x4 - Diesel - EXT Cab (2022.3) Detail
003	203807.1	1	Chassis 60" CA
004	203918.1	1	Chassis Fleet/Government Incentive Discount
005	100046.1	1	Suspension System, FORD, 4x4, 6", 4 Link
006	100048.1	1	Tires and Wheels, Super Single 335/80 R20 (4)
007	100053.1	1	Spare Tire and Wheel, Super Single 335/80 R20 (1)
008	100055.1	1	Spare Tire, Top of Tank
009	100062.1	1	Skeeter Aluminum Custom Bumper
010	100058.1	1	Mud Flaps, Rear Wheels, SBT Logo
011	100063.1	1	1/4" Skid Protection Panel
012	100065.1	1	Transfer Case, Skid Protection Panel, SMALL CHASSIS
013	100111.1	1	Cab Steps, Custom Painted, (4) Door or Extended Cab
014	100186.1	1	NO -- Cab Protection
015	100086.1	1	Cab Console, Poly, Custom
016	204397.2	1	Power Outlets 12V, Dual 4.8A USB Type, Cab (1) > Nick Riddle changed component. 12/14/2023 10:48 <
017	100404.1	1	SCBA & EMS Compartment Combination
018	100076.1	1	NO -- Front Winch
019	100178.1	1	Receiver, Rear, Winch/Rope/Trailer, 10,000#
020	100550.2	1	Pump, Darley 2 BE 18V > Nick Riddle changed component. 08/13/2024 14:12 <
021	100423.1	1	Thermal Relief Valve
022	100272.1	1	Standard Stainless Steel Manifold
023	100285.1	1	Valves, S/S, Quarter Turn
024	100483.1	1	Hose Threads
025	100263.1	1	Exhaust System, Vertical, Rain Cap, Aux Pump
026	100195.1	1	No -- Pump House
027	100265.1	1	Pump Control Panel Enclosure
028	100418.1	1	Remote Pump Control in Cab, (Electronic), Gas Pump
029	100268.1	1	Pump Fuel from Fuel Can (Plastic 6 gallon)
030	100256.1	1	Battery Supply, 12V, Chassis, Master Switch & Solenoid
031	100253.1	1	Pump Drain, Master Drain--Low Point
032	100254.1	1	Pump Engine Oil Drain
033	100255.1	1	Aux Fire Pump Mntg, P/S Rear, Bolted
034	100273.1	1	Upgrade Manifold for Bumper Discharges
035	100270.1	1	Intake, Gated, 2.5"FM, Rear, w/2.5" Plug, Aux Pump, Direct Vlv Cntrl
036	100283.1	1	Tank-To-Pump, Water Tank, 2.5", Install
037	100281.1	1	Tank Fill and Cooling Line, Water Tank, 1", Aux Pump

038 100278.1 1 Discharge, .75"GH, Rear, Garden Hose Outlet
 039 100274.1 1 Discharge, 2.5", Rear, 2.5"FM x 1.5"M, 1.5" cap
 040 100277.1 1 Discharge, 1.5", Rear, Pre-connect
 041 100441.3 1 Discharge, 1.5", Front Body (Through Tank)
 > Nick Riddle changed component. 08/13/2024 15:44 <
 042 100288.1 1 Hose Reel, Hannay, D/S Mount, Elec Rewind, Alum
 043 100291.1 1 200 Foot Reel Capacity
 044 100295.1 1 Hose Reel Discharge, 1" Valve and Flex-Hose, Local Cntrl
 045 100302.1 1 Nozzle Mounting
 046 100297.1 1 Hose, Water, 300#, 1" x 150'
 047 100303.1 1 Roller, Hose Reel, Top
 048 100280.1 1 Ground Sweep Discharges, Front Bumper
 049 100279.1 1 Bmpr Monitor, Akron, Forestry, Elec
 050 100374.1 1 Whip Hose Lines (2) Front Body 1" x 8', Booster Hose, 300#, w/cplgs
 051 100259.1 1 Foam system, Scotty #4171, Through-the-pump, Built-in, Aux Pump
 052 100226.1 1 Water Tank Gauge, Class 1, Rear & Cab
 053 204320.1 1 Water Tank Level Gauges PSTANK
 054 100200.1 1 Water Tank Capacity, 400 Gallons, Poly
 055 100203.1 1 Water Tank, Specs
 056 100204.1 1 Water Tank Shape, Rectangular
 057 100205.1 1 Water Tank, NFPA Compliance
 058 100206.1 1 Tank Gauge, Translucent Tank Sight Level
 059 100207.1 1 Fill Tower, Water Tank, 12" x 12" x 6", D/S Rear Corner
 060 100209.1 1 Overflow, Water Tank, 3" PVC Pipe, <500G
 061 100211.1 1 NO -- Water Tank Sump
 062 100215.1 1 Pump to Tank, Fill Connection, 1.5", 300 GPM Flow
 063 100216.1 1 Water Tank Drain Plug, 1.5"
 064 100222.1 1 NO -- Tank Perimeter Wall
 065 100227.1 1 Foam Tank Capacity, 10 Gallons, Class A, Poly
 066 100232.1 1 Foam Tank, Fill and Vent, Class A
 067 100233.1 1 Foam Tank to Foam System, 3/4"
 068 100235.2 1 Foam Tank Drain and Valve, 3/4"
 > Nick Riddle changed component. 08/13/2024 14:13 <
 069 100239.1 1 Foam Tank Gauge, Class 1, Class A, Rear & Cab
 070 100684.2 1 Rescue/Step Side, Alum, 114" x 96", 60CA
 071 203802.1 1 Diamond Plate Finish Body and Compartments/Trays
 072 100140.1 1 NO -- Compartment, Transverse
 073 203817.1 1 Top of Tank Storage Rack, Type 5
 074 100144.1 1 Compartment, Drivers Side, Lift-Up Door
 075 100148.1 1 Compartment, Passengers Side, Lift-Up Door
 076 100150.1 1 NO -- Underbody Compartments, Front Body
 077 100585.1 1 Cmpt Under Rear Bdy, D/S & P/S, Alum, 20" W x 15"H x 23"D, Vert Hingd Dr
 078 100159.1 1 Rear Center Under Body Cmpt, Drop Down Door
 079 100166.1 1 Equipment Tray, Alum, UHMW slide
 080 100164.1 1 Door Ajar Light, Flashing, Red LED
 081 203467.1 1 Expanded Aluminum Hose Tray, Driver's Side, 64 in. long
 082 100173.1 1 NO -- Hose Tray, Passenger Side
 083 203448.2 1 Expanded Aluminum Tool Tray, Passenger Side, 64 in. long
 084 100175.1 1 NO -- Tool Tray, Drivers Side
 085 203941.1 1 Turtle Tile [Detail](#)
 086 100180.1 1 Rear Step, Pull out and drop down
 087 100181.1 1 Step, Sig-4, Folding, Lighted, DS REAR(1)
 088 100692.1 1 Side Body Access Steps, Stirrup (2)

089 100325.1 1 Fuse Box
 090 100326.1 1 Chassis Harness
 091 100327.1 1 Wiring Harness, Body Electrical
 092 100091.1 1 Battery Switch, Master Disconnect, CH, Rotary
 093 100094.2 1 Battery Charger and Shore Power Plug, Kussmaul 1000 and Auto-Eject
 > Nick Riddle changed component. 03/08/2024 11:08 <
 094 100328.1 1 Clearance Lights, LED, DOT
 095 100329.1 1 License Plate, Mount, Lighting
 096 100330.1 1 Stop/Tail/Turn Lights, Whelen M6BTT/M6FC
 097 100331.1 1 Back up Lights, Whelen M6 Series, LED,
 098 100096.1 1 Trailer Hitch Power Plug, 12V, 7 Prong
 099 100712.2 1 FRC SoBrite LED Off-Road Lights, 6' (2)
 > Nick Riddle changed component. 08/13/2024 14:14 <
 100 100070.1 1 No -- Bumper Ground Lights
 101 200312.1 1 Ground Lights, Cab, 4 Door, LED STRIPS
 102 100182.1 1 Ground Lights, Under Front Of Body Step, LED (2),
 103 100184.1 1 Body Work Lights, LED, (4), Grote #63871
 104 100317.1 1 NO -- Front Scene Lights
 105 100322.1 1 Scene Light, (6) Rigid Dually
 106 100503.1 1 Tilt Meter
 107 100107.2 1 Back-Up Camera, Rear View Safety, (1) camera
 108 100098.1 1 NO -- Radio Install
 109 100101.1 1 NO -- Intercom System
 110 100324.1 1 Back Up Alarm
 111 204467.2 1 WHELEN CORE CENCOM
 > Nick Riddle changed component. 08/13/2024 14:15 <
 112 100313.1 1 Speaker, Whelen, #SA315P, 100 Watt
 113 100310.1 1 Lightbar Mounting, Headache Rack, Alum, Enclosure Protection
 114 100309.1 1 Lightbar, Whelen, Legacy, 54"
 115 100315.1 1 Warning Lights, Whelen, M-7 Series (12) Lights
 116 100334.1 1 Reflective Lettering, Purchaser Installed
 117 100335.1 1 Door Graphic Emblems, (2) Custom
 118 203904.1 1 No Cab Roof Lettering
 119 100338.1 1 Stripe, Cab/Body, Triple Reflective, 1" x 4" x 1"
 120 100340.1 1 NO -- Keep Back Lettering
 121 100343.1 1 Stripe, Reflective, SCOTCHLITE, Chevron, Front Bumper, Alum Bumper
 122 100345.1 1 Stripe, Reflective, SCOTCHLITE, Chevron, Rear
 123 100346.1 1 Capacities Placard, Reflective
 124 100348.1 1 Nozzle (1) TFT, DS1040BCP, 1", Bubble Cup, Grip Dual Gal, 10/40
 125 100350.1 1 Spanner Set, Kocheck, 2-Spanner / Hydrant, Mounted
 126 100366.1 1 Skeeter Warranty, 5-Year Parts & Labor, 10-Year Body Integrity
 127 100369.1 1 Tank Warranty, Limited Lifetime
 128 100363.1 1 NFPA Certificate
 129 100365.1 1 Road Test, 10 miles
 130 100362.1 1 12V Electrical Load Analysis
 131 100361.1 1 Operational Pump Test, SBT
 132 100196.1 1 Final Assembly, Skeeter Brush Trucks, Hillsboro, TX
 133 100136.1 1 Emblems, Skeeter Brush Trucks (5)
 134 100042.1 1 Label, Data, Seat Belt, Chassis Manufacturer Supplied
 135 100043.1 1 Label, Noise Danger, Personnel
 136 100135.1 1 Label, Data, "Do Not Ride On Rear Step"
 137 100040.1 1 Chassis Prep, Commercial Chassis
 138 100041.1 1 Label Seating (Based upon # of Seated Positions)

- 139 100351.1 1 Pre-Construction Conference, At Factory
- 140 100651.1 1 Apparatus Drawings
- 141 100353.1 1 Payment Terms, 100% on Delivery and Acceptance
- 142 100356.1 1 Training, Factory Supplied, Factory location
- 143 100358.1 1 Delivery, Purchaser Pickup



Specification for:
NWCG Type 5 Wildland Engine
Ford F550 - 4x4 - Diesel - EXT Cab
Rescue/Step Side, Alum, 114

Submitted To:
Kirk Givler , VP of Sales
Siddons Martin Emergency Group
1362 E. Richey Rd Houston, TX 77073

Specification **7129**, Job No. **S14824**
August 13, 2024

Prepared by:
Kyle Hall
Skeeter Brush Trucks

Proposal

We are pleased to submit the following specifications to you for a **2022 SMEG Step-side** 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 chassis manufacturer shall provide one (1) operational manual. This manual may be in either a notebook type binder, with reference tabs or USB thumb drive with all of the printed material in an electronic format (Adobe Acrobat PDF).

100044.1 - PAINT

1. Cab Color: Red
2. Cab Secondary Color: N/A
3. Description: Solid Red

100025.1 - CHASSIS SPECIFICATIONS

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

GVWR: 19,500#

Wheelbase: 168"

Grille: black

Tow Hooks: front loops

Driving Front Axle and Suspension: 7,500# HD front package, 7,500# suspension 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, GRAY

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

Differential Gears: 4.88 Gears, Limited slip Rear Differential

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, GRAY

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

Electronic Shift on the Fly: The chassis shall be equipped with an electronic shift transfer case. The front axle hubs shall be auto locking, with a manual backup feature.

Engine:

- Model: Power Stroke 6.7 turbo-charged diesel
- Number of Cylinders: Eight (8) "V" configuration
- Displacement: 6.7 liters
- Rated Brake Horsepower: 330 at 2800 rpm
- Rated Torque: 770 ft lbs
- Turbocharger

High Idle Control

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

DEF Tank:

Transmission: Ten speed automatic

Chassis PTO Output: The chassis transmission shall be equipped with the factory PTO output provision.

Steering: power steering system

Batteries: two (2) 78 amp-hr 750CCA 12-volt batteries

Alternator: single 220 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.

Air bags front and air curtains side

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. Split fold down rear seats

Printed Manuals: one (1) printed chassis operation manual

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

Operator Controlled Manual Regen System

Jack and Lug Wrench Set

Color: Ford Race Red [More](#)

203807.1 - 60" CAB TO AXLE

The chassis Cab to Axle measurement shall be 60".

203918.1 - CHASSIS FLEET/GOVERNMENT INCENTIVE DISCOUNT

Pricing quoted is contingent upon the end user (customer) filing for and receiving OEM Fleet/Government Pricing Number.

FAILURE BY THE CUSTOMER TO RECEIVE THE OEM FLEET/GOVERNMENT PRICING NUMBER WILL RESULT IN FULL LIST PRICE BEING CHARGED FOR THE CHASSIS.

100046.1 - CHASSIS SUSPENSION SYSTEM

A 6" heavy duty, 4 link, off road suspension lift kit with heavy-duty off road shocks shall be installed on the Ford chassis. The system is designed to significantly increase wheel travel, in addition to giving the chassis increased ground clearance.

NOTE: THE END USER MUST BE AWARE THAT LIFTING THE CHASSIS AND ADDING LARGER TIRES WILL ALTER THE VEHICLES CENTER OF GRAVITY. THIS WILL AFFECT THE VEHICLES HANDLING CHARACTERISTICS.

IN ADDITION, THE LARGER TIRES WILL AFFECT STOPPING DISTANCE. THE SYSTEM IS NOT RECOMMENDED FOR VEHICLES THAT OPERATE PRIMARILY IN AN ON ROAD ENVIRONMENT. THE SYSTEM IS HIGHLY RECOMMENDED FOR VEHICLES THAT OPERATE IN OFF ROAD OR ROUGH TERRAIN ENVIRONMENTS.

DUE TO THE LARGER TIRES A VEHICLE SPEED SENSOR CALIBRATOR WILL BE INSTALLED TO RE-CALIBRATE THE SPEEDOMETER TO ACCOMMODATE THE LARGER TIRES.

TURNING RADIUS MAY BE REDUCED (if needed) 1-3 DEGREES TO PREVENT TIRE RUB.

100048.1 - FRONT AND REAR SUPER SINGLE TIRES AND WHEELS

There shall be four (4) super single front and rear tires, There shall be 335/80R20 22PR, severe service radial all terrain

tread. The tire weight rating shall be load range "M" (22 ply, 6780 lbs), and the speed rating shall be "K" (68 mph).

There shall be four (4) wheels for the front and rear tires. There shall be 20" x 11.00" disc, ten (10)-hole pattern special order for Military/Government on/off road application with a rating to match or exceed the tire rating.

100053.1 - SPARE SUPER SINGLE TIRE AND WHEEL

There shall be one (1) super single spare tire. It shall be 335/80R20 22PR, severe service radial all terrain tread. The tire weight rating shall be load range "M" (22 ply, 6780 lbs), and the speed rating shall be "K" (68 mph).

There shall be a 20" x 11.00" disc, ten (10)-hole pattern special order wheel for Military/Government on/off road application with a rating to match or exceed the tire rating.

100055.1 - MOUNTING SPARE TIRE AND WHEEL

The spare tire and wheel shall be mounted on top of the water tank.

100062.1 - FRONT BUMPER

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

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.

100065.1 - TRANSFER CASE SKID PLATE, LONG

A removable heavy .250" aluminum skid plate assembly shall be installed to protect the oil pan and transfer case.

100111.1 - CAB STEPS

The cab shall be equipped with steel step assemblies, on each side of the cab. There shall four (4) stirrup steps mounted two (2) each side on the cab steps. They shall be installed in the best location to allow easy access to the cab.

100086.1 - 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.

204397.2 - 12V, USB POWER OUTLETS

There shall be one(1) 12 volt plug-in utility power outlets rated at 4.8amps shall be provided in cab. It shall be a dual USB-A/USB-C outlet.

LOCATIONS: Mounted on the Center Console

Special: Nick Riddle changed component. 12/14/2023 10:48

100404.1 - CREW CAB SCBA & EMS CABINET

The interior cab shall be equipped with a SCBA and an EMS storage cabinet. The cabinet shall be mounted between the back cab wall and the rear of the front seats. The cabinet shall be constructed of 1/2" polyurethane.

The SCBA cabinet shall house two (2) SCBA brackets, and have storage underneath for two (2) spare SCBA bottles. The EMS cabinet shall be constructed to allow storage of EMS components.

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.

100550.2 - FIRE PUMP SPECIFICATIONS

A Darley model number 2 BE 18 Vanguard gasoline powered centrifugal pump shall be installed. The medium pressure, high volume pump, direct drive, engine mounted shall meet the following performance requirements:

375 GPM @ 25 PSI
300 GPM @ 45 PSI
100 GPM @ 140 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.

The pump unit shall be supplied with a control panel for remote mounting, panel light, hour meter / tachometer, pressure gauge, on/off ignition switch, and a low oil pressure light, engine choke, engine throttle

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.

Exhaust-Type Primer

The mufflers are coated with High Temp Powder Coat. The primer bodies are bronze with stainless steel components. The outlet of the primer is equipped with a 1.5" male NPT . Is easily operated via push-pull control wire connected to an internal butterfly valve. The venturi components are sized for the most efficient priming time and height possible utilizing the exhaust pressure available from the engine. Significantly lighter than a 12V electric primer. Requires much less physical effort by the operator than a mechanical hand primer.

Dimensions & Weight

27"L x 21"W x 25"H, 145lbs (66kg)

Suction 3" NPTF

Discharge (2) 1.5" NPTF and (1) 2.5" NPTF

Documentation

Pump Warranty/Guarantee to be included with each proposal. Pump warranty shall be for three (3) years or 3,000 hrs. Additional details about the warranty can be found in the Skeeter user's manual of this vehicle.

Engine

The pump shall be powered by an 18 horsepower, Briggs and Stratton Vanguard gasoline engine with a 16 amp regulated alternator and 12 volt electric starter with a backup recoil starter. A 6 gallon plastic fuel tank shall be supplied.

THERE SHALL BE A TUBE TO DIRECT THE EXHAUST PRIMER DISCHARGE TO UNDERNEATH THE TRUCK

Special: Nick Riddle changed component. 08/13/2024 14:12

100423.1 - THERMAL RELIEF UNIT

There shall be a Trident model brass thermal relief valve installed in the manifold allowing auto dump at 143Å° water temperature. The thermal relief valve shall auto close at 118Å° water temperature. There shall be a hose directing water under the body, but in a location visible by the pump operator.

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.

100265.1 - 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 installed in the pump panel enclosure. The following shall be on the pump panel:

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

The pump control panel shall be installed at the passenger's side rear corner of the body.

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.

100268.1 - FUEL TANK

A remote fuel tank shall be installed for the auxiliary fire pump assembly at the rear of the apparatus. The fuel tank shall be mounted in a bracket. The fuel tank shall have capacity of approximately six (6) gallons. There shall be a fuel hose with plug in connections furnished between the fuel tank and carburetor assembly for the auxiliary pump.

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.

100253.1 - FIRE PUMP MASTER DRAIN

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

100254.1 - PUMP ENGINE OIL DRAIN

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

100255.1 - AUXILIARY FIRE PUMP MOUNTING PROVISIONS

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

100273.1 - FRONT BUMPER MANIFOLD SUPPLY

There shall be an 1.5" stainless steel valve, with a flexible supply hose installed to feed the front discharge manifold.

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.

100278.1 - 3/4" GARDEN HOSE DISCHARGE -- REAR

One (1) .75" garden 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 .75" male garden hose threads and cap.

100274.1 - 2-1/2" DISCHARGE -- REAR

One (1) 2-1/2" discharge shall be installed at the rear pump area, controlled by a quarter turn ball valve. The discharge shall have 2-1/2" NH male hose threads. The discharge shall be equipped with 2-1/2" female x 1-1/2" chrome plated brass reducer, 1-1/2" chrome cap and chain.

100277.1 - 1-1/2" PRE-CONNECT DISCHARGE -- REAR HOSEBED

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

The valve shall be on the manifold, with a feed line to the rear of the tray.

100441.3 - FRONT OF BODY DISCHARGE (THROUGH THE TANK)

A 1.5" discharge shall be piped from the rear pump area to the front on the body. A 1.5" master control valve shall be installed at the rear pump manifold area with direct control handle. Two 1" valves shall be installed at the front of the water tank.

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100288.1 - 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 driver's side rear corner of the flatbed body.

100291.1 - REEL CAPACITY

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

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.

100297.1 - HOSE REEL HOSE

One (1) 150' foot length of 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

100374.1 - MID BODY WHIP LINES

Two (2) 1" x 8 feet long 300# working pressure hose whips with threaded couplings shall be installed at front of body, one each side, with securement devices.

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 3% shall be available. The foam system has been designed for simplicity of operation and maintenance. A flush system will be installed.

MAXIMUM WORKING PRESSURE: 300 PSI

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 1/4 tank.

204320.1 - WATER TANK LEVEL GAUGES PSTANK

There shall be two (2) Whelen PSTANK water level gauges with chrome bezels mounted on the apparatus.

One (1) shall be mounted horizontally on the upper rear corner of the drivers side of the apparatus. It shall be mounted on top of the hand rail, below the zone B upper warning light.

One (1) shall be mounted horizontally on the upper rear corner of the passenger side of the apparatus. It shall be mounted on top of the hand rail, below the zone D upper warning light.

The gauges shall not protrude beyond the outside edge of the handrails.

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, poly-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 tank covers shall be welded on top and bottom, 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.

100207.1 - FILL TOWER LOCATION

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

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.

100215.1 - PUMP TO TANK CONNECTION

An 1-1/2" connection shall be provided on the water tank for connection of the discharge side of the pump to the tank for filling purposes. The valves and hose required to complete this connection shall be supplied by the final assembler.

100216.1 - WATER TANK DRAIN PLUG

A 1.5" drain plug shall be installed in the bottom of the water tank under P/S wheel well for water tank draining and flush-out of debris.

100227.1 - FOAM TANK SPECIFICATIONS

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

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.

100235.2 - FOAM TANK DRAIN AND VALVE PROVISIONS

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

The drain shall have it's own dedicated valve to drain the foam underneath the truck and be able to be captured.

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100239.1 - FOAM TANK GAUGES

One (1) Class 1 foam 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 foam 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 1/4 of a tank.

100684.2 - CUSTOM RESCUE/STEP SIDE ALUMINUM BODY

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

MAIN FRAME

The body shall have 6" 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.

SQUARE CORNERS

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

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.

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 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 .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 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.

SIDE BODY COMPARTMENT, FRONT BODY -- PASSENGER'S SIDE

One (1) body equipment storage compartment shall be installed at the front of the body just behind the headache rack, passenger's side of the apparatus. The dimensions shall be approximately: 30" wide, 44" high, and 24" deep. The compartment shall be constructed of .125" aluminum on all exterior surfaces. The compartment shall be equipped with a vertically hinged door with a single latch installed. The door shall be equipped with a gas operated door opening assistant cylinder.

The vertical compartment shall have one (1) fixed shelf.

The compartments shall be equipped with:

- a lift up door with latch installed
- key type door locks.
- dual gas operated door opening assistant cylinders.
- a white LED strip light that is automatically controlled by a door activated switch.
- a louvered vent
- Turtle Plastics Turtle Tile Compartment Matting shall be installed in the compartment. Turtle Tile shall be black in color and lock together design.

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

WALKWAY

The front of the body shall have a 24" front to rear by 72" left to right walkway in front of the water tank. The walkway shall allow access from the driver side of the body to have a NFPA compliant walkway surface.

SIDE STEP CUBICLE

An approximate 24" wide x 20" high x 24" deep cubicle shall be constructed of polished NFPA compliant aluminum tread plate on the driver's side in the front of the body.

HINGED SAFETY GATE ASSEMBLY

The step-side cubicle on the driver's side in the front of the body shall be equipped with a swing in safety lock gate constructed out of 1" aluminum tubing. The gate shall be locked in the closed position by a locking pin and stop bracket and shall have a hydraulic cylinder to hold the gate either in the fully open or the fully closed position.

203802.1 - DIAMOND PLATE FINISH BODY AND COMPARTMENTS/TRAYS

The exterior surface of all body skins, compartments, and trays shall all be polished diamond plate aluminum finish.

203817.1 - STORAGE RACK ON TOP OF TANK

An open storage rack shall be installed on top of tank. The sides of the rack shall be expanded aluminum. The unit shall be 10" high and full width and length of tank as space permits.

Location: Top of Tank. RACK SHALL BE FULL PERIMETER OF TANK

100144.1 - DRIVERS SIDE UPPER BODY COMPARTMENT

A body equipment storage compartment shall be installed on the flatbed surface, driver's side of the apparatus. The exterior dimensions shall be approximately 48" wide, 24" high, and 18" deep. The compartment shall be constructed of .125" aluminum on all exterior surfaces.

The compartment shall be equipped with:

- a lift up door with latch installed
- key type door locks.
- dual gas operated door opening assistant cylinders.
- a white LED strip light that is automatically controlled by a door activated switch.
- a louvered vent
- Turtle Plastics Turtle Tile Compartment Matting shall be installed in the compartment. Turtle Tile shall be black in color and lock together design.

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

100148.1 - 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 48" wide, 24" high, and 18" deep. The compartment shall be constructed of .125" aluminum on all exterior surfaces.

The compartment shall be equipped with:

- a lift up door with latch installed
- key type door locks.
- dual gas operated door opening assistant cylinders.
- a white LED strip light that is automatically controlled by a door activated switch.
- a louvered vent
- Turtle Plastics Turtle Tile Compartment Matting shall be installed in the compartment. Turtle Tile shall be black in color and lock together design.

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

100585.1 - UNDER BODY COMPARTMENTS -- REAR BODY, D/S AND P/S

Two (2) under flat bed equipment storage compartments shall be installed under the flatbed surface, on the passenger's and driver's side of the apparatus, behind the rear axle. The exterior dimensions shall be approximately: 20" wide, 15" high, and 23" deep. The compartments shall be constructed of .125" aluminum on all exterior surfaces. The compartments shall be equipped with a vertically hinged door with latch installed. The compartment shall have turtle tile installed.

100159.1 - UNDER BODY COMPARTMENT -- REAR CENTER

An under body equipment storage compartment shall be installed under the flatbed surface located in the center rear of the apparatus. The compartment shall be between the vertical body beams, upper floor surface, and an aluminum lower floor area. The compartment shall be equipped with a hinged drop down door with dual latches installed.

The exterior dimensions shall be approximately:

- 108" for a 114"L bed
- 120" for a 138"L bed

100166.1 - REAR SLIDE-OUT TRAY

The rear center compartment shall be equipped with an .190" aluminum slide out tray on UHMW plastic slide pads and poly rollers. The tray shall be full width and full length of the compartment interior.

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.

203467.1 - EXPANDED METAL HOSE TRAY -- DRIVERS SIDE

A hose storage tray shall be installed over the driver's side equipment compartment, on the driver's side of the apparatus. The dimensions shall be approximately: 16" wide, 8" high, and 64" long. The hose tray shall be constructed entirely of .125" expanded aluminum on all exterior surfaces. The assembly shall be equipped with a hinged lift up aluminum door on top,

enclosed front panel, and open rear area. The hose tray shall be equipped with Turtle Tile floor covering.

203448.2 - TOOL STORAGE TRAY/COMPARTMENT EXPANDED METAL -- PASSENGERS SIDE

A tool storage compartment shall be installed over the passenger's side equipment compartment, on the passenger's side of the apparatus. The dimensions shall be approximately: 16" wide, 8" high, and 64" long. The compartment shall be constructed of .125" expanded aluminum on all exterior surfaces. The compartment shall be equipped with a hinged lift up aluminum door with a latch installed. The compartment shall be equipped with Turtle Tile floor covering.

203941.1 - COMPARTMENT FLOORING

Turtle Plastics Turtle Tile Compartment Matting shall be installed in all compartments and trays excluding the rear center under-body compartment. Turtle Tile shall be black in color and lock together design. [More](#)

100180.1 - REAR PULL OUT STEP

There shall be a rear "Pull-Out-Fold-Down" step located at the driver's side rear of the apparatus, step shall be stowed in a pocket under the rear of the unit. Storage pocket shall be fabricated to allow easy access to deploying for operation.

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.

100091.1 - BATTERY SWITCH - MASTER DISCONNECT

A rotary type master disconnect switch shall be provided in the cab within easy reach of the driver. The switch shall have a switch plate with Off/On label.

There shall be a GREEN indicator light in the center console indicating the power is "ON".

100094.2 - BATTERY CHARGER AND 120 VOLT SHORE POWER RECEPTACLE

A Kussmaul Autocharge 1000, Model 091-215-12, 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 091-194B-IND-WT-XX Digital Status Display Center.

It shall also include Model 091-55-15-120 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: DS Tailboard

Color of Digital Status Display Center and Auto Eject: Red

Special: Nick Riddle changed component. 03/08/2024 11:08

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 lighthoods shall utilize an optic collimator and a chrome vacuum metalized reflector for maximum illumination. The lighthood shall include 164 flash patterns including: a variety of CA Title 13 compliant, sinkable, left/right, top/bottom, in/out, and steady burn. The lighthoods 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.

100712.2 - OFF-ROAD LIGHTS

There shall be two (2) FRC SoBrite 6" LED lights installed on front bumper/grille guard.

Lights shall be controlled by the CenCom controller

Special: Nick Riddle changed component. 08/13/2024 14:14

100070.1 - NO BUMPER GROUND LIGHTS

There shall be no under bumper ground lights installed.

200312.1 - GROUND LIGHTS, CAB, 4 DOOR, LED STRIPS

Four (4) LED ground strip lights shall be installed under the cab step area in compliance with NFPA standards, two (2) on each side of the apparatus, wired to the Cencom, and the chassis interior lights.

100182.1 - GROUND LIGHTS - UNDER REAR STEP

Two (2) Grote #63871 LED ground lights shall be installed under the rear step area, one on each side of the apparatus. They shall have an aluminum housing, and be 800 lumens at 1.4 amps.

100184.1 - BODY WORK LIGHTS

Four (4) Grote #63871 LED body work lights with clear lens shall be installed, wired to switch on the Cencom. They shall have an aluminum housing, and be 800 lumens at 1.4 amps. Location shall be: in each corner of the protective tubing assembly to light the pump panel and the front body walkway area.

100322.1 - SCENE LIGHTS

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

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

100503.1 - DIGITAL TILT METER

An electronic tilt meter shall be installed on the dashboard. The unit shall indicate the degree of side slope the vehicle is on. It shall also include a GPS speedometer.

100107.2 - BACK-UP CAMERA SYSTEM FLUSH MOUNTED IN REAR BUMPER

One (1) Rear View Systems 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. The color monitor shall be installed in cab.

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

Location: Flush Mounted Rear Bumper

100324.1 - BACK-UP ALARM

One (1) back up alarm shall be installed.

204467.2 - WHELEN CORE CENCOM

A Whelen CenCom Core system shall be provided. This system shall control the warning and scene lights as directed by the fire department.

The Core Controller Backlight will be connected to the chassis dimmer switch if we are capable

Special: Nick Riddle changed component. 08/13/2024 14:15

100313.1 - 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.

Location shall be: Behind the front grille.

100310.1 - MOUNTING OF LIGHT BAR WITH PROTECTIVE GUARD

The lightbar shall be mounted on the headache rack shelf with an aluminum brush guard protective assembly.

100309.1 - LIGHTBAR

A Whelen Legacy low profile Super-LED NFPA lightbar shall be installed. The 54" lightbar shall be designed to meet the minimum clearing requirements for Zone A Upper. The internal components of the lightbar shall be housed within a two piece extruded aluminum base/top. The outer shell shall be clear optic polycarbonate lenses designed to maximize light output and shield against environmental elements.

The lightbar shall utilize snap-in brackets to hold in the lighthoods. The brackets shall give the end user the ability to make quick repairs. The lightbar shall have all solid state components. The lightbar shall have two wire harnesses exiting the unit: one (1) 17 conductor 22 gauge control cable which controls all internal light functions; and one (1) 2 conductor 10 gauge cable for main power and ground. Each cable shall be 15' long.

The lightbar shall have four (4) red Linear Super-LED corner modules to provide off angle protection for the front and rear of the vehicle. Each corner module shall consist of twelve (12) Super-LEDs mounted within a vacuum metalized parabolic reflector. The corner module shall also utilize an optic collimator for maximum light output. The twelve (12) LEDs shall be mounted in one straight line.

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 board shall have the ability to flash sixteen (16) LED warning lights. There shall be a data bank of 13 Scan-Lock flash patterns including steady burn. The board shall also have outputs to add takedown and alley lights. Low power and cruise light function shall also be included. The cruise light function shall allow the user to employ the four (4) corner modules as marker courtesy lights.

The lightbar shall include clear "Take Down" and "Alley Lights".

The lightbar shall have an amber "Traffic Advisor" built into the rear portion of the lightbar.

100315.1 - NFPA WARNING LIGHTS

ZONE A -- LOWER FRONT WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flanges 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 lighthood configuration shall consist of RED 18 Super-LEDs and a clear optic polycarbonate lens. The lighthoods shall be surface mountable via two screws. The lighthoods shall utilize an optic collimator and a chrome vacuum metalized reflector for maximum illumination.

ZONE B AND D -- INTERSECTION LIGHTS

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flanges shall be installed on bumper extension, as far forward as possible. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthood configuration shall consist of RED 18 Super-LEDs and a clear optic polycarbonate lens.

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

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with 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 RED 18 Super-LEDs and a clear optic polycarbonate lens.

ZONE B AND D -- UPPER SIDE REAR WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flanges 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 RED 18 Super-LEDs and a clear optic polycarbonate lens.

ZONE C -- UPPER REAR WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flanges 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 RED 18 Super-LEDs and a clear optic polycarbonate lens.

ZONE C -- LOWER REAR WARNING LIGHTS

Two (2) Whelen M-7 Series Model #M7RC 3" x 7" warning lights with chrome flanges shall be lower rear of body. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthouse configuration shall consist of RED 18 Super-LEDs and a clear optic polycarbonate lens.

100335.1 - CUSTOM GRAPHICS

The apparatus shall be provided with two (2) 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.

203904.1 - NO CAB ROOF LETTERING

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.

100343.1 - FRONT CHEVRON STRIPING

There shall be alternating chevron striping installed across the front bumper where permitted. The chevron striping shall consist of 6" diamond grade in the following colors:

The first color shall be red diamond grade.

The second color shall be lime yellow diamond grade.

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:

The first color shall be red diamond grade.

The second color shall be lime yellow diamond grade.

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

100348.1 - FOAM NOZZLE

One (1) Task Force Tips model # DS1040BCP Bubble Cup dual gallonage foam nozzle with stainless steel shutoff ball shall be supplied. The nozzle shall be capable of producing either a fog or straight stream with the ability to instantly aspirate foam by sliding a sleeve forward. For corrosion resistance the nozzle shall be constructed from hard coat anodized aluminum. An

integral pistol grip handle shall be positioned directly below the valve handle. The nozzle shall be configured for flow settings of 10 and 40 GPM at 100 PSI, and have a 1" female NH swivel rocker lug inlet and have a twist off position for positive shut off of the water flow.

100350.1 - SPANNER AND HYDRANT WRENCH SET WITH MOUNTING BRACKET

One (1) Kocheck lightweight spanner wrench holder shall be installed. The bracket shall hold one (1) hydrant wrench and two (2) universal spanners. It shall be mounted on the rear vertical exterior panel of the driver's side compartment.

100366.1 - APPARATUS WARRANTY SKEETER MANUFACTURED ITEMS

A five (5) year parts and labor warranty on items manufactured by Skeeter Emergency Vehicles and a ten (10) year warranty on the structural integrity of the body. For warranty issues please contact your local dealer 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.

100363.1 - NFPA COMPLIANCE

The fire apparatus shall be built to the purchaser's requirements stated in this specification in compliance with all state and federal highway safety requirements. The vehicle is designed to meet NFPA 1906.

Unless included in the specification, the customer will provide all the necessary equipment to comply with NFPA 1906 Section 10.2.

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.

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.

100361.1 - FIRE PUMP OPERATIONS TEST

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

*** NOTE: ALL TESTING SHALL BE DONE AND PERFORMANCE OBSERVED BETWEEN SEA LEVEL AND 1000' ELEVATION.

*** HIGH ALTITUDE PERFORMANCE MAY NOT REPRESENT TESTING RESULTS SHOWN.

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.

100136.1 - SKEETER BRUSH TRUCK EMBLEMS

Three (3) Skeeter Emergency Vehicles emblems will be affixed to the cab and body.

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.

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.

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 CAD 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 Emergency Vehicles factory location in Hillsboro, Texas.

100358.1 - DELIVERY REQUIREMENTS

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