



**SOUTH FLORIDA
EMERGENCY VEHICLES**

PROPOSAL

TO THE:

Town of Dundee
Dundee Fire Department
Chief Joseph Carbone
PO Box 1000
Dundee, FL 33838

DATE: December 27, 2023

We hereby propose and agree to furnish the following firefighting apparatus and equipment upon your acceptance of this proposal:

One (1) FOUTS BROS 2024 FORD F-550 FOUTS FOUR FIRE APPARATUS.

TOTAL PRICE.....\$ 333,645.00

The Apparatus will be built completely in accordance with the following proposal and delivered in approximately **185 days after receipt of Ford Chassis** following approval of contract/PO, subject to delays from all causes beyond our control.

This proposal shall be valid for Ninety (90) days. If the contract or purchase order is not received within this proposed duration, we reserve the right to extend, withdraw, or modify our proposal, including pricing, and delivery times.

Respectfully submitted,

Guy Lombardo
South Florida Emergency Vehicles

SOUTH FLORIDA EMERGENCY VEHICLES

4655 Cummins Ct. | Fort Myers, FL 33905 | 239-267-5300

AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS

THE TOWN OF DUNDEE, FLORIDA, WILL NOT INTENTIONALLY AWARD TOWN CONTRACTS TO ANY CONTRACTOR WHO KNOWINGLY EMPLOYS UNAUTHORIZED ALIEN WORKERS, CONSTITUTING A VIOLATION OF THE EMPLOYMENT PROVISIONS CONTAINED IN 8 U.S.C. SECTION 1324 a(e) AND/OR SECTION 274A(e) OF THE IMMIGRATION AND NATIONALITY ACT ("INA").

THE TOWN OF DUNDEE, FLORIDA, MAY CONSIDER THE EMPLOYMENT BY ANY CONTRACTOR OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(e) OF THE INA. **SUCH VIOLATION BY THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN SECTION 274A(e) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY THE TOWN OF DUNDEE.**

BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name South Florida Emergency Vehicles

Signature Guy Lombardo Date: 12/18/2023

Printed Name Guy Lombardo

Title Sales Manager

PRIVATE PROVIDER FIRM _____

THIS SECTION TO BE COMPLETED BY A NOTARY PUBLIC:

STATE OF Fla. COUNTY OF LEE

SWORN TO AND SUBSCRIBED BEFORE ME THIS 18 DAY OF Dec, 2023

NOTARY PUBLIC: CHECK ONE PERSONALLY KNOWN TO ME Produced I.D. _____

TYPE OF ID PRODUCED _____

SIGN: Patricia Audette

PRINT: _____



NONCOLLUSION AFFIDAVIT OF BIDDER

State of Florida

County of Polk

I Guy Lombardo (Affiant), being first duly sworn, deposes and says that:

- (1) Affiant is Sales Manager (insert job title) of SFEV (insert name of company) the bidder that submitted the attached bid; South Florida Emergency Vehicles
- (2) Affiant is fully informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such bid;
- (3) Such bid is genuine and is not a collusive or sham bid;
- (4) Neither the said Affiant nor any of his/her/its officers, partners, owners, agents, representatives, employees or parties in interest, including Affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other bidder, firm or person to submit a collusive or sham bid in connection with the Contract for which the attached bid has been submitted or has refrained from bidding in connection with such Contract; nor in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix the price or prices in the attached bid or of any other bidder; nor has fixed any overhead, profit or cost element of the bid price, or the bid price of any other bidder; nor has secured through any collusion, conspiracy, connivance or unlawful agreement, any advantage against the Town of Dundee or any person interested in the proposed Contract; and
- (5) The price or prices quoted in the attached bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Affiant or any of its agents, representatives, owners, employees, or parties in interest.

THIS SECTION TO BE COMPLETED BY A NOTARY PUBLIC:

STATE OF Fla COUNTY OF Lee

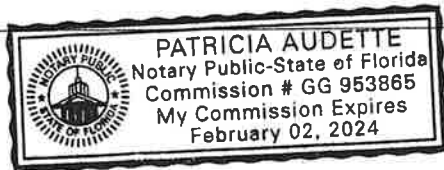
SWORN TO AND SUBSCRIBED BEFORE ME THIS 18 DAY OF Dec, 2023

NOTARY PUBLIC: CHECK ONE PERSONALLY KNOWN TO ME Produced I.D. _____

TYPE OF ID PRODUCED _____

SIGN: Patricia Auette

PRINT: _____



CERTIFICATION OF DRUG-FREE WORKPLACE

I Guy Lombardo ("Undersigned"), certify that:

- (1) Undersigned is Sizes Mgr (insert job title) and duly authorized to act on behalf of the Contractor SFEV that submitted the attached bid.
- (2) Undersigned acknowledges that Preference shall be given to businesses with drug-free workplace programs.
- (3) Undersigned acknowledges that whenever two (2) or more bids which are equal with respect to price, quality, and service are received by the Town for the Purchasing of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process.
- (4) In order to have a drug-free workplace program, a business shall:
 - (a) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
 - (b) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
 - (c) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (a).
 - (d) In the statement specified in subsection (a), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 of the Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
 - (e) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
 - (f) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Copy to [unclear]
[unclear]
[unclear]

The Undersigned, as the person authorized to sign this CERTIFICATION OF DRUG-FREE WORKPLACE, does hereby certify that the Contractor, South Florida Emergency Vehicles acknowledges, understands, and complies fully with the above requirements.

DATE: 12/18/2023 NAME OF ENTITY: South FL Emer. Vehicles

PHONE/FAX: 239 267 5306

ADDRESS: 4655 Cummins Ct
Fort Myers FL 33905

SIGNATURE: 

PRINT NAME: Guy Lombardo



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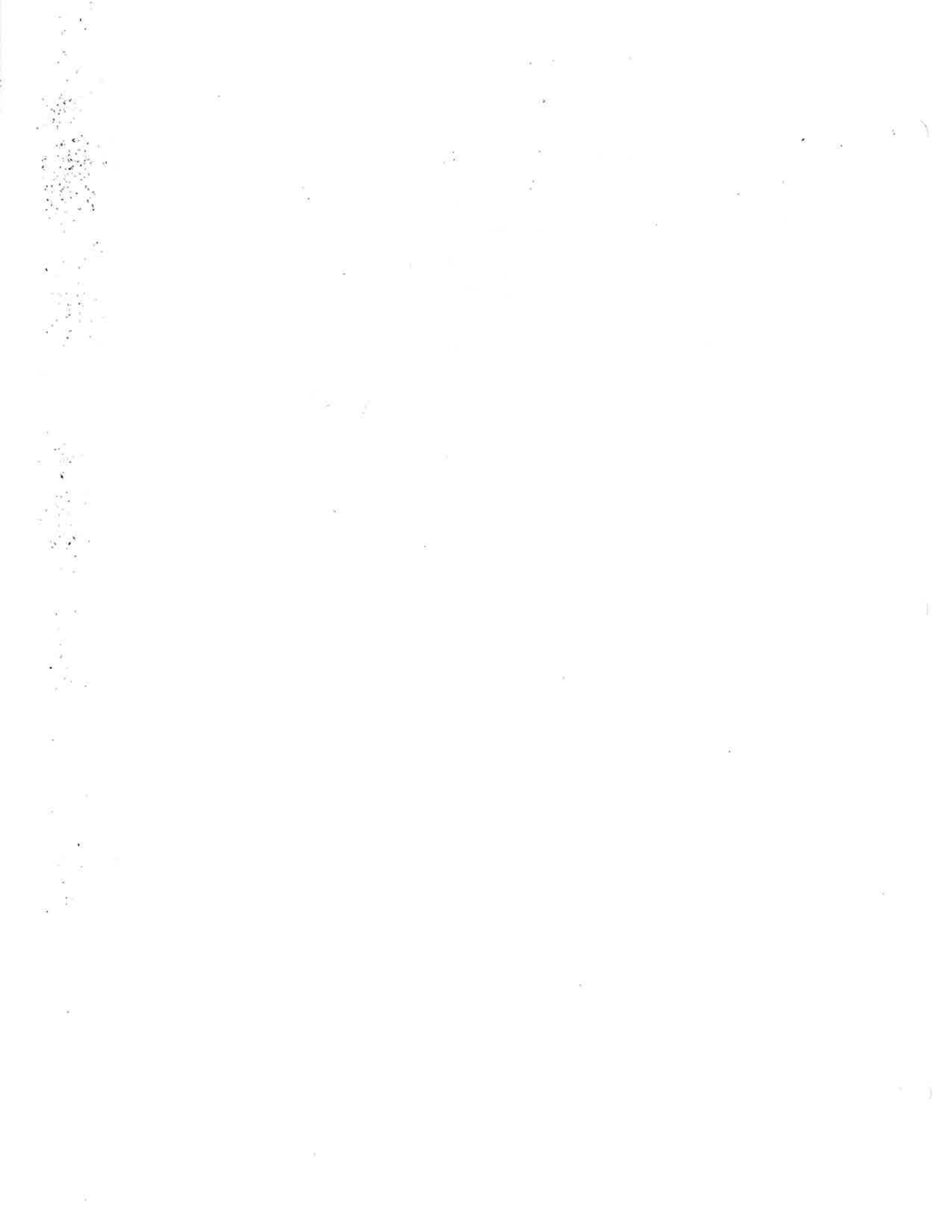
SALES TAX SAVINGS FORM

CONTRACT NUMBER: NA

NAME OF PROJECT: NA

MATERIALS	(1) Amount in Contract	(2) Sales Tax	(3) Net Amount
		NA	

- (1) This is the amount to be deducted from contract by change order.
- (2) The amount of the sales tax included in the material purchase line item supplied by the Contractor.
- (3) The amount to be used by the Town to make the material purchase per the Contractor's stated quantities.



DUNDEE REFERENCES FOR FOUTS FOUR PUMPERS

Department	Contact
City of Cocoa Fire Department 65 Stone Street Cocoa FL 32922	Jonathan Lamm
City of Fort Myers Fire Department 2600 Dr Martin Luther King Blvd Fort Myers FL 33902	James Hayden
Holley Navarre Fire Rescue 8618 Esplanade Street East Navarre FL 32566	Chief Kevin Lewis
Jupiter Island Fire Department 103 Bunker Hill Road Hobe Sound FL 33455	Asst Chief Michael Ewing
Pratt & Whitney Fire Department 17900 Beeline Highway Jupiter FL 33478	Timothy O'Conner



QUOTATION

Exp. Date:	03/10/2023	
Quote No:	10681-0001	
FOUTS4:	FB-F4-MINI	FOUTS 4
ADMIN:	FB-02-0145	ADMINISTRATIVE - FOUTS 4
DIMENSIONS:	FB-11-0145	DIMENSIONS - FOUTS 4
NFPA 1901:	FB-05-0145	NFPA 1901 REQUIREMENTS -INITIAL ATTACK
CHASSIS:	FB-09-0145	CHASSIS, COMMERCIAL - FORD
CHASS MOD:	FB-12-0145	CHASSIS MODS - FOUTS 4
CHASSMOD-E:	FB-14-0146	ELEC CHASSIS MODS- FOUTS 4
PLUMBING:	FB-20-0145	PUMP AND PLUMBING - FOUTS 4
BODY:	FB-40-0145	RESCUE BODY - FOUTS 4
ELEC-12VDC:	FB-50-0145	12V ELECTRICAL SYSTEM - FOUTS 4
PAINT:	FB-70-0145	PAINT/ PREP/ STRIPE - FOUTS 4
LSE-EQUIP:	FB-80-0145	LOOSE EQUIPMENT - FOUTS 4
WARRANTY:	FB-10-0145	WARRANTY- FOUTS 4

02/08/2023

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DESCRIPTION	QTY
== ADMINISTRATIVE - FOUTS 4 - 7.000 02/14/22 ==	1
Terms of Payment, 100% at Delivery	1
Vehicle Pickup at Factory	1
-- Fuel/DEF Tnks, Full at Delivery	1
== DIMENSIONS - FOUTS 4 - 7.000 02/14/22 ==	1
DIMENSIONS	1
Overall Height, < 96.00"	1
Overall Length < 26'	1
Overall Width, 96.00"	1
Pump Module Width, 24.00"	1
Angle of Approach, NFPA Minimum, 8 Degrees	1
Angle of Departure, NFPA Minimum, 8 Degrees	1
== NFPA 1901 REQUIREMENTS -INITIAL ATTACK - 7.000 02/14/22 ==	1
NFPA 1901-2016	1
NFPA 1901-2016 Compliance, Initial Attack	1
-- Center of Gravity, Calculated	1
-- Road Test Certification	1
PLACARDS and LABELING	1
-- Label, FAMA #7: Seated and Belted	1
-- Label, FAMA #10: Cab Equipment Mounting	1
-- Label, FAMA #15: "Helmet Worn in Cab"	1
-- Label, FAMA #17: "Vehicle Backing"	1
-- Label, Chassis Data Labels, 1901	1
-- Label, Overall Height, Length, GVWR	1
-- Label, Warning, "No Ride Rear Step"	1
== CHASSIS, COMMERCIAL - FORD - 7.000 02/14/22 ==	1

DESCRIPTION	QTY
COMMERCIAL CHASSIS	1
Chassis, Commercial, Supplied By Fouts Bros.	1
-- Ford, F-550, DRW, 4x4, 4-Dr, 203.7" WB, XL	1
-- Payload Plus Upgrade Package	1
-- Elec Shift on the Fly (ESOF)	1
-- Skid Plates (Extended and Crew Cab Only)	1
-- Engine, 6.7L Power Stroke Diesel	1
-- Transmission, Automatic, 10-Spd	1
-- Fire/Rescue Prep Pkg	1
-- Operator Commanded Regeneration (OCR)	1
-- Fuel Tank, 40 Gallon, Aft, w/ Aux fuel tap	1
-- Rear Axle Ratio, Limited Slip, 4.88 (6.7L)	1
-- Block Heater	1
-- PTO Provision	1
-- Cab, Crew, 4-Dr	1
-- Power Equipment Group	1
-- 40/20/40 Vinyl Frnt Bench Seat	1
-- 60/40 Rr Bench Seat	1
-- XL Value Pckg	1
-- Tires and Wheels: F450/ 550 (4x4)	1
-- Wheels, 19.50" Steel	1
-- Tires, 225/70Rx19.5G BSW	1
-- Ford Warranty, Superduty	1
CHASSIS PAINT COLOR	1
-- Cab Paint, Sngl Color, Race Red, PQ	1
== CHASSIS MODS - FOUTS 4 - 7.000 02/14/22 ==	1
CAB STEPS, RUNNING BRDS - FOUTS 4	1
-- FORD OPTION: Running Boards, Crew Cab, NFPA	1
WINCHES/ BRUSH GUARDS/ REPLACEMENT BUMPERS	1
-- ===== NO Front Bumper Replacement - PTS =====	1
-- FORD OPTION: Grille Guard, w/ winch Mount	1
-- Winch, 12,000 lbs, Wire Rope	1
HITCHES-TIE OFFS-RECEIVERS	1
-- Receiver Hitch, Rear, Class V, 2.00"	1
-- Trailer Hitch Pwr Plug, 12V, 7 Prong	1
FORD SEATING - FOUTS 4	1
-- FORD/ RAM OPTION: Center Seat Removal for Console	1
-- Seating Capacity, Four (4)	1
-- FORD OPTION: SCBA Seats, Valor, Rear, (2), w/ EZ Lock SCBA Brkt	1
-- Label, FAMA #11: SCBA Seat Insert	1
-- Seat Belt Web Length, Commercial Chassis, Non-NFPA 2016 Compliant	1
-- Seat Belts, Supplied by Chassis Mfgr, Ford, Non-NFPA 2016	1
TIRE PRESSURE MONITORING SYSTEMS	1
-- Tire Prss Monitoring Dvce, LED AirGuard, 6 Wheel	1
WHEEL TRIM and COVERS	1

DESCRIPTION	QTY
-- FORD OPTION: Wheel Covers, SS, 19.50"	1
EXHAUST SYSTEMS	1
-- Chassis Exhaust Extension, RH Side	1
-- Exhaust Heat Shield, Under Bdy Compts	1
-- Label, FAMA #04: "Hot Exhaust Dangers"	1
FRAME PREP and MODIFICATIONS	1
-- Chassis Preparation, Commercial	1
-- Front Tow Hooks - Chassis Supplied	1
== ELEC CHASSIS MODS- FOUTS 4 - 7.000 02/14/22 ==	1
Not Required, Vehicle Data Recorder and Seat Belt Monitor, Ford, Non-NFPA 2017	1
CONSOLES and EQUIPMENT	1
-- FORD OPTION: Center Console, Aluminum	1
-- Console Option, Cup Holders, (2)	1
BATTERY SYSTEMS and SHORELINE PLUG-INS	1
-- Master Body Disconnect Switch	1
-- Indicator Lht, Mst Bdy Disconnect, Green	1
-- Kussmaul, Chief 4012, 40 Amp	1
-- Battery Charger Location, Per Manufacturer	1
-- Shore Power Inlet, Kussmaul, Super Auto-Eject 20A	1
-- Auto-Eject Mating Plug, NEMA 5-20P	1
-- Chief Status Center w/ Cover, 091-55-266-YW, Yellow	1
-- Auto Eject Location, Per Manufacturer	1
-- Aux Air Cmp, Kussmaul, 12V	1
-- Aux Air Compressor Location, Per Manufacturer	1
BACK UP ALARM	1
-- Back Up Alarm, 97db	1
12 VOLT POWER SOURCES	1
-- USB Prt, Kussmaul, Dual, 4.8amp total, 2.4amp each	1
== PUMP AND PLUMBING - FOUTS 4 - 7.000 02/14/22 ==	1
PUMP	1
Pump Package, Sidemount, Fouts 4, Hale, DSD, Midship	1
-- Fire Pump, Hale DSD, 1 Stage, Midship	1
-- Pump Warranty, Hale, 5 Yr (2 Yr Prts & Lbr, Prts Only Yrs 3-5)	1
-- Pump Manuals, Elec, (2)	1
-- Pump Flow Rating, Hale, DSD, 1500 GPM	1
-- Altitude Requirements, 0' to 2000 Feet Above Sea Level	1
MASTER INTAKE(S)	1
-- Intake, 6.00", NST, Ungated, LH Side, Pump Panel	1
-- Cap, 6.00", Chrome Long Hndl, NST, Fouts Logo	1
-- Intake, 6.00", NST, Ungated, RH Side, Pump Panel	1
-- Cap, 6.00", Chrome Long Hndl, NST, Fouts Logo	1
PUMP MODS	1

DESCRIPTION	QTY
-- Pump Instln, Midship Split-Shaft, Ford 450/550	1
PUMP SHIFT, FORD, HALE, MIDSHIP	1
-- Pump Shift, Hale, Air, Midship w/ Air System Install	1
-- Pump Shift Control, Elec Over Air, IC	1
PUMP EQUIPMENT, HALE, FOUTS 4	1
-- Valves: Akron, Gen II	1
-- Drains, 0.75" Mnl, Class1, Lift Handle	1
-- Discharge Gauges, Class1, 2.50", (0-400 psi), White Face	1
-- Gauge Bezels, Class1, Chrome	1
-- Pump Primer, Hale ESP-PVG, 12V Elec, Fluidless	1
-- Fuse, 250 amp, Primer	1
-- Anodes, (3), Alloy: 2 Suction, 1 Discharge, Hale	1
-- Thermal Relief Valve, TRV-120	1
-- Pump Cooler Valve, Hale	1
PRESSURE GOVERNOR	1
-- Governor, Class1, Sentry	1
GATED INTAKE	1
-- Aux Suction, 2.50", LH Side, Pump Panel	1
-- Intk Vlv Cntrl, Mnl Swing Type-Adjacent	1
-- Plug, 2.50" Chrome, NST, w/ Chain	1
TANK TO PUMP VALVE	1
-- Valve, Tank to Pump, 3.00", Air	1
TANK FILL VALVE	1
-- Valve, Tank Re-Fill, 2.00"	1
-- Vlv Cntrl, Pull Rod, LH Side, Lckng, Class1, CP T-Hndl	1
DISCHARGE, LH PANEL	1
-- Dschg, 2.50", LH Side, Pump Panel	1
-- Vlv Cntrl, Pull Rod, LH Side, Locking, Class1, CP T-handle	1
-- Dschg, Elbw, 30d, 2.50" MNST, Integral, Class1	1
-- Cap, 2.50" Chrome, NST, w/ Chain	1
-- Discharge NOT Foam Capable	1
DISCHARGE, RH FRONT PANEL	1
-- Dschg, 3.00", RH Side, Pump Panel, Frnt	1
-- Vlv Cntrl, Pull Rod, LH Side, Locking, Class1, CP T-handle	1
-- Dschg, Elbw, 30d, 3.00" MNST, Integral, Class1	1
-- Cap, 3.00" Chrome, NST, w/ Chain	1
-- Discharge NOT Foam Capable	1
DISCHARGE, RH REAR PANEL	1
-- Dschg, Push Pull, 3.00" x 4.00", RH Side, Pump Panel, Rr	1

DESCRIPTION	QTY
-- Vlv Cntrl, Pull Rod, LH Side, Locking, Class1, CP T-handle	1
-- Dschg Adapt, Straight, 3.00"-4.00" MNST, Class1	1
-- Dschg Elbow, TFT, 30 deg, 5.00"Stz S x 4.00"F NH S RL	1
-- Cap, TFT, 5.00" Storz w/ Lanyard	1
-- Discharge NOT Foam Capable	1
DISCHARGE, HOSEBED PRE-CONNECT	1
-- Dschg, Preconnect, 2.50", Front of Hose Bed, RH	1
-- Vlv Cntrl, Pull Rod, LH Side, Locking, Class1, CP T-handle	1
-- Discharge NOT Foam Capable	1
DISCHARGE(S), CROSSLAYS	1
-- Crosslay Dschg #1- One (1) 1.75", Above Mod	1
-- Vlv Cntrl, Pull Rod, LH Side, Locking, Class1, CP T-handle	1
-- Discharge Foam Capable	1
-- Crosslay Dschg #2- One (1) 1.75", Above Mod	1
-- Vlv Cntrl, Pull Rod, LH Side, Locking, Class1, CP T-handle	1
-- Discharge Foam Capable	1
MASTER GAUGES	1
-- Master Gauges, Pressure Governor	1
TANK LEVEL INDICATOR(S)	1
-- Water Lvl Gauge, Class1 "ITL-40B", Blue, Pump Panel	1
PUMP ENCLOSURE	1
-- Pump House, Side Mount, Ext Alum, 24.00"	1
-- Pump Panels, 14 GA, Brushed Finish, 304 SS	1
CROSSLAYS/ DUNNAGE AREA	1
-- Crosslay Config, (2) Hosebeds, Double Stack	1
-- Crosslay Divider, 3/16" Alum, w/ Hand Holes	1
-- Vinyl Crosslay Cover, Red	1
PUMP PANEL/ ENCLOSURE LIGHTS	1
-- Pump Panel Lt, LH Side, LED, Strip	1
-- Pump Panel Lt, RH Side, LED, Strip	1
-- Pump Compt. Lht, LED Strip	1
-- Lt, Cntrls, Switch on pump panel	1
PUMP MODULE RUNNING BOARDS	1
-- Running Brd, LH Pump Panel, Alum T/P, TM	1
-- Running Brd, RH Pump Panel, Alum T/P, TM	1
PUMP PANEL LABELING	1
-- Label, FAMA 22, Hose Restraint Required	1
-- Label, FAMA 18, Intake and Discharge Cap Pressure	1
-- Label, FAMA 25, Trained Personal Only	1
-- Label, Pump ID Plate, IC	1

DESCRIPTION	QTY
-- Labels, Color Coded, Innovative Controls	1
FOAM SYSTEM	1
-- Foam System, Hale SmartFOAM, 2.1A	1
-- Foam Lvl Gauge, Class A, Class1 "ITLF-40G", Green	1
== RESCUE BODY - FOUTS 4 - 7.000 02/14/22 ==	1
WATER TANK	1
-- Tank, 300 Gal Water, 15 Gal Foam, Poly	1
-- Label, FAMA 19, "Foam Type Mixing"	1
BODY	1
Fouts-4 Body, Alum, 108.00" L x 95.00" W, Body Const	1
-- Door Type, Amdor, Roll-Up	1
LEFT SIDE COMPARTMENTS	1
-- L1, Ahd Rr Whls - Full Ht Comp't - Roll Up Dr	1
-- Roll-UP Door, Amdor, Satin Finish	1
-- Cmpt LED Strip Lht, Luma Bar, 41.00", Clear White, (1) Ea Cmpt	1
-- Cmpt Lt, Dr Swtch, Amdor, Magnetic, Ea	1
-- Shelf Trac, Vertical, Alum	1
-- Shelf, Alum, Adjustable, ea	1
-- L2, Upr Hgh Sde - Sgle Comp't - Roll Up Dr	1
-- Roll-UP Door, Amdor, Satin Finish	1
-- Cmpt LED Strip Lht, Luma Bar, 21.00", Clear White, (1) Ea Cmpt	1
-- Cmpt Lt, Dr Swtch, Amdor, Magnetic, Ea	1
-- Shelf Trac, Vertical, Alum	1
-- Shelf, Alum, Adjustable, ea	1
-- L3, Bhnd Rr Whls - Full Ht Comp't - Roll Up Dr	1
-- Roll-UP Door, Amdor, Satin Finish	1
-- Cmpt LED Strip Lht, Luma Bar, 41.00", Clear White, (1) Ea Cmpt	1
-- Cmpt Lt, Dr Swtch, Amdor, Magnetic, Ea	1
-- Shelf Trac, Vertical, Alum	1
-- Shelf, Alum, Adjustable, ea	1
RIGHT SIDE COMPARTMENTS	1
-- R1, Ahd Rr Whls - Full Ht Comp't - Roll Up Dr	1
-- Roll-UP Door, Amdor, Satin Finish	1
-- Cmpt LED Strip Lht, Luma Bar, 41.00", Clear White, (1) Ea Cmpt	1
-- Cmpt Lt, Dr Swtch, Amdor, Magnetic, Ea	1
-- Shelf Trac, Vertical, Alum	1
-- Shelf, Alum, Adjustable, ea	1
-- R2, Upr Hgh Sde - Sgle Comp't - Roll Up Dr	1
-- Roll-UP Door, Amdor, Satin Finish	1
-- Cmpt LED Strip Lht, Luma Bar, 21.00", Clear White, (1) Ea Cmpt	1
-- Cmpt Lt, Dr Swtch, Amdor, Magnetic, Ea	1
-- Shelf Trac, Vertical, Alum	1
-- Shelf, Alum, Adjustable, ea	1
-- R3, Bhnd Rr Whls - Full Ht Comp't - Roll Up Dr	1
-- Roll-UP Door, Amdor, Satin Finish	1
-- Cmpt LED Strip Lht, Luma Bar, 41.00", Clear White, (1) Ea Cmpt	1
-- Cmpt Lt, Dr Swtch, Amdor, Magnetic, Ea	1
-- Shelf Trac, Vertical, Alum	1
-- Shelf, Alum, Adjustable, ea	1

DESCRIPTION	QTY
REAR BODY DESIGN- FLAT BACK	1
-- CR1, Rr Cntr Comp't - Full Ht Roll Up	1
-- Roll-UP Door, Amdor, Satin Finish	1
-- Cmpt LED Strip Lht, Luma Bar, 13.00", Clear White, (1) Ea Cmpt	1
-- Cmpt Lt, Dr Swtch, Amdor, Magnetic, Ea	1
HOSEBED - FOUTS 4	1
-- Hose Bed, Grating, Extrd Alum	1
-- Hose Bed, Cross Divider, Fwd 22.00"	1
-- Hose Bed Dimensions: 49.75"W x 85.00"L x 15.00"T	1
-- Hose Bed, Strge Cpcty, 34.00 Cubic Feet	1
-- ===== NO Hose Bed Storage Capacity - PTS =====	1
-- Hosebed, Divider, 3/16" Alum, ea	1
-- Hsbd Cvr, Vnyl, Velcro, Red	1
EQUIPMENT STORAGE - FOUTS 4	1
-- Tray, Suction Hose, (2), LH, Above Cmpt	1
-- Hose Capacity, (2) 8' Sections	1
-- Ladder Mtg, RH, Above Cmpt, (1) PEL-12	1
WHEEL WELL AREA - FOUTS 4	1
-- Whl Well Cmpt, (3), Sngl SCBA Tubes, Alum Dr	1
-- Whl Well Prv, LH Rear, Diesel Fuel Fluid Fill	1
REAR STEPS - FOUTS4	1
-- Folding Steps, (2) LH Rear, IC 3004234, w/ (1) LED Step Lt	1
-- Lt, Cntrls, Work/ Step Lts, Park Brake	1
EXTERIOR GRAB RAILS - FOUTS4	1
-- Grab Rails, (2), Rear, Vertical	1
COMPARTMENT PACKAGES - FOUTS4	1
-- ===== NO FMI Compartment Packages - PTS =====	1
== 12V ELECTRICAL SYSTEM - FOUTS 4 - 7.000 02/14/22 ==	1
ELECTRICAL	1
Electrical, 12V	1
-- NFPA Electrical System	1
GROUND LIGHTING	1
-- Ground Lts, (4), Chassis, 4-Dr. LED	1
-- Ground Lts, (2) Forward Rr Whls, LED	1
-- Ground Lts, (2) Rr Step, LED	1
-- Lt Swtch , Ground Lts w/ Park Brake	1
DOOR OPEN / HAZARD WARNING LIGHT INDICATOR SYSTEMS	1
-- Lht, Hazard, LED, Flashing, Red	1
REAR DIRECTIONALS/ DOT LIGHTS	1
-- Rear Brake/Tail/Turn/Backup, Whelen M6	1

DESCRIPTION	QTY
-- Tail/Brake Lts, Whelen, LED, M6, Red Lens (Pair)	1
-- Turn Signals, Whelen, LED, M6, Amber Lens (Pair)	1
-- Backup Lts, Whelen, LED, M6 (Pair)	1
-- Tail Lt Bezel, 4 Lts, Whln M6 (Pair), ABS Chrome	1
-- Fouts4 Body LED Marker Lights	1
-- Marker Lts, 0.75" LED, DOT Required	1
-- Reflectors, Red, (4), Rear Body	1
-- Lht , License Plate, LED	1
TRAFFIC ADVISOR	1
-- Trffic Advsr, Whelen TAL85, 48.00" LED	1
SCENE LIGHT(S) - UPPER BODY	1
-- Scene Lts, Whelen, Side Facing Upper Frnt, (2) M6ZC	1
-- Scene Lt, Drvr, Whelen, M6ZC, LED, Ea	1
-- Scene Lt, Offcr, Whelen, M6ZC, LED, Ea	1
-- Flange, Chrome, Wrn Lt, Whln, M6 Series, Ea	2
-- Scene Lts, Whelen, Side Facing Upper Rear, (2) M6ZC	1
-- Scene Lt, Drvr, Whelen, M6ZC, LED, Ea	1
-- Scene Lt, Offcr, Whelen, M6ZC, LED, Ea	1
-- Flange, Chrome, Wrn Lt, Whln, M6 Series, Ea	2
-- Scene Lts, Whelen, Upper Rear Body, (2) M6ZC	1
-- Scene Lt, Drvr, Whelen, M6ZC, LED, Ea	1
-- Scene Lt, Offcr, Whelen, M6ZC, LED, Ea	1
-- Flange, Chrome, Wrn Lt, Whln, M6 Series, Ea	2
-- Left Scene Swtch, Rocker, Single Switch, Cab	1
-- Rear Scene Swtch, Rocker, Single Switch, Cab	1
-- Right Scene Swtch, Rocker, Single Switch, Cab	1
-- Scene Lt Swtch , Rr Scene Lts, Auto w/ Reverse	1
BACKUP CAMERA	1
-- Rearview Camera, 7.00" Color Monitor	1
-- Monitor Location, Rear View Mirror	1
WARNING LIGHTS PACKAGE, FOUTS 4	1
-- Warning light flash pattern, Default NFPA	1
LIGHTBAR	1
-- Lht Bar, Federal, 53" Vision	1
-- White Lhts, "Blocking Right of Way"	1
-- Lt Bar Swtch, Rocker, Single Switch/ Master Warn, Cab	1
-- Lightbar Mount, MKEZ7	1
UPPER LEVEL WARNING LIGHTS	1
-- Warn Lts, Whelen, Side Facing Upper Frnt, (2) M6 Series LED	1
-- Wrn Lt, Drvr, Whelen, M6 Series, Red LED, Clear Lens, Ea	1
-- Wrn Lt, Offcr, Whelen, M6 Series, Red LED, Clear Lens, Ea	1
-- Flange, Chrome, Wrn Lt, Whln, M6 Series, Ea	2
-- Warn Lts, Whelen, Side Facing Upper Rr, (2) M6 Series LED	1
-- Wrn Lt, Drvr, Whelen, M6 Series, Red LED, Clear Lens, Ea	1
-- Wrn Lt, Offcr, Whelen, M6 Series, Red LED, Clear Lens, Ea	1
-- Flange, Chrome, Wrn Lt, Whln, M6 Series, Ea	2
-- Warn Lts, Whelen, Upper Rear, (2) M6 Series LED	1
-- Wrn Lt, Drvr, Whelen, M6 Series, Red LED, Clear Lens, Ea	1

DESCRIPTION	QTY
-- Wrn Lt, Offcr, Whelen, M6 Series, Red LED, Clear Lens, Ea	1
-- Flange, Chrome, Wrn Lt, WhIn, M6 Series, Ea	2
-- Upper Warn Lt. Swtch, Rocker, Single Switch/ Master Warn, Cab	1
LOWER LEVEL WARNING LIGHTS	1
-- Wrn Lts, Whelen, Lower Warn Lt, (2) M4 Series LED	1
-- Wrn Lt, Drvr, Whelen, M4 Series, Red LED, Clear Lens, Ea	1
-- Wrn Lt, Offcr, Whelen, M4 Series, Red LED, Clear Lens, Ea	1
-- Flange, Chrome, Wrn Lt, WhIn, M4 Series, Ea	2
-- Wrn Lts, Whelen, Intrsct, (2) M4 Series LED	1
-- Wrn Lt, Drvr, Whelen, M4 Series, Red LED, Clear Lens, Ea	1
-- Wrn Lt, Offcr, Whelen, M4 Series, Red LED, Clear Lens, Ea	1
-- Flange, Chrome, Wrn Lt, WhIn, M4 Series, Ea	2
-- Wrn Lts, Whelen, Low Mid Bdy (2) M7 Series LED	1
-- Wrn Lt, Drvr, Whelen, M7 Series, Red LED, Clear Lens, Ea	1
-- Wrn Lt, Offcr, Whelen, M7 Series, Red LED, Clear Lens, Ea	1
-- Flange, Chrome, Wrn Lt, WhIn, M7 Series, Ea	2
-- Wrn Lts, Whelen, Low Rr (2) M6 Series LED	1
-- Wrn Lt, Drvr, Whelen, M6 Series, Red LED, Clear Lens, Ea	1
-- Wrn Lt, Offcr, Whelen, M6 Series, Red LED, Clear Lens, Ea	1
-- Bezel(s), Tail lhts	2
-- Lower Warn Lt. Swtch, Rocker, Single Switch/ Master Warn, Cab	1
AUDIBLE WARNING	1
-- Siren, Whelen, 295SLSA1, 100/200 watt	1
-- Spkr, WhIn, 100 watt, SA315, RH Side	1
-- Label, FAMA #42: "Siren Noise"	1
== PAINT/ PREP/ STRIPE - FOUTS 4 - 7.000 02/14/22 ==	1
PAINT AND FINISH	1
-- Cab, Standard Color	1
-- Anti-Corrosion Protection, ECK	1
-- Body Undercoating, Rescue Body	1
-- Compartment Interiors, Side, Zolatone	1
-- PAINT TWO TONE CAB	1
-- Wheel Rims, As Provided with Chassis	1
LETTERING AND STRIPING	1
-- Rear Cheveron Striping, Red/ Florescent Yellow-Geen	1
-- DEALER SUPPLIED GRAPHICS PACKAGE	1
Fouts Logo Plates, (3)	1
== LOOSE EQUIPMENT - FOUTS 4 - 7.000 02/14/22 ==	1
HARD SUCTION HOSE(S)	1
--NOT PROVIDED	2
GROUND LADDERS - FOUTS-4	1
-- NOT PROVIDED	1
== WARRANTY- FOUTS 4 - 7.000 02/14/22 ==	1
WARRANTY REQUIREMENTS	1

DESCRIPTION	QTY
General Warranty, (1) Year	1
Body Warranty, Alum, (10) Year	1
Plumbing Warranty, Stainless Steel, (10) Year	1
Paint Warranty, (5) Year, PPG	1
Electrical Warranty, (2) Year	1
Akron Brass Warranty, (10) Year Valves, (5) Year Elec	1
Whelen Warranty, (2) Year Siren, (5) Year LED	1
[- Whelen Warranty, Limited Lifetime	1
Kusssmaul Warranty	1

Fouts Bros Fire Equipment

The tank shall have a 6.00" overflow and air vent designed to prevent damage to the tank under high flow conditions and enclosed in front tank filler. Tank filler to extend upward from hose bed the same height as body sides. Overflow is to be designed and located to prevent water loss on fast stops or starts, and is also to be located not to affect traction on the rear tires.

FOAM CELL

One (1) internal foam cell shall be manufactured as part of the water tank.

The foam cell capacity shall be 15 US gallons.

The foam tank shall be integral with the water tank and shall have a rectangular fill tower with a hinged cover, pressure relief vent and a removable screen.

DO NOT MIX FOAM LABEL

A FAMA19 warning label shall be placed near the foam tank fill that reads "Foam Failure Hazard. Do NOT mix brands and types of foam concentrate. Mixed concentrate may fail to form proper foam. Poor foam may fail to suppress fire leading to death".

FIRE BODY & RELATED COMPONENTS

OVERALL DIMENSIONS

The body shall be 108.00" Long x 95.00" wide x 64.00" high with fender well positioned for a 84.00" cab-to-axle dual rear wheel chassis. The body shall be designed to accommodate a 24.00" wide pump module.

FLOOR AND UNDERSTRUCTURE

The compartment floor shall be a single piece design made of .1875" aluminum tread bright. The floor shall be supported by front and rear extruded 6061 aluminum alloy 2.00" x 4.00" x .250" wall structural tube crossmembers and incorporating flange style direct body mounting plates. The center section of the floor shall be supported by two (2) additional crossmembers of 2.00" x 2.00" x .250" structural aluminum tube, interlocked with three (3) longitudinal 2.00" x 2.00" x .250" sections of structural aluminum tube, connecting the front most and rearmost crossmembers.

COMPARTMENT CONFIGURATION

The compartments shall be completely formed of .125" 5052-H32 aluminum alloy and shall have a tested floor area load of 300 pounds.

COMPARTMENT VENTS

Fouts Bros Fire Equipment

Single tank foam systems shall include flushing capabilities via a three-way flush valve. A switch provided integral to the three-way valve will indicate when the valve is in the "FLUSH" position. The "FLUSH" position will provide fresh water-flushing capabilities to prevent foam concentrate deterioration of the foam pump.

The SmartFOAM Controller will protect the foam pump from being run "dry" by showing a "low foam" warning when the low-level tank switch is activated and only allowing the foam pump to run for another sixty (60) seconds before turning off the foam pump and showing a "no foam" warning.

LED FOAM LEVEL GAUGE, CLASS A (PUMP PANEL)

One (1) Hale model # "ITLF-40G" tank level gauge for indicating foam level shall be installed on the pump operator's panel. The tank level gauge shall indicate the liquid level or volume on an easy to read LED display with a visual indicator at nine (9) precise levels, using one (1) color. The system shall include the ability to display "text messages" and have built-in diagnostic capabilities. Additional secondary displays (if requested) are to be easily integrated and will receive data from the same source as the Master Display.

The LED display shall be green in color.

== RESCUE BODY - FOUTS 4 - 7.000 02/14/22 ==

WATER TANK - POLYPROPYLENE

Tank capacity shall be 300 US gallons.

The Booster tank shall be constructed of Polypropylene, and properly baffled.

Baffles shall have openings at both the top and bottom to permit movement of air and water between spaces to allow maximum flow requirements. Baffles shall form an integral part of the tank, and design shall be to provide and maintain safe road stability regardless of water level.

The tank shall be constructed of Polyprene sheet stock. This material shall be non-corrosive, stress relieved thermoplastic, black in color and U.V. stabilized for maximum protection.

There shall be one (1) sump standard per tank. The sump shall be located at the front of the tank. The sump shall have a 4.00" FNPT threaded outlet on the bottom for a drain plug. This shall be used as a combination cleanout and drain.

FILL TOWER

Fill tower shall be installed on front corner of the tank in tank top, not to interfere with removability of the lid. It shall be of adequate size, minimum 8.00" X 8.00", to accommodate overflow and vents, to have a hinged cover and screen installed.

TANK OVERFLOW

Fouts Bros Fire Equipment

A permanent label shall be provided in all areas that intakes and discharges are capped. The label shall give instruction on how to properly remove the cap. The label shall also warn of potential dangers, injury or death that be caused by failing to follow proper cap removal procedures.

TRAINED OPERATOR ONLY LABEL - FAMA# 25]

A permanent label shall be provided on the pump panel that states that only properly trained personnel should operate the apparatus and shall indicate that injury or death could occur as a result.

PUMP PANEL ID PLATE

An identification plate shall be installed on the pump operator control panel to identify the fire pump serial number, model number, and performance.

COLOR CODED PUMP PANEL LABELING AND NAMEPLATES

Discharge and intake valve controls shall be color coded in compliance to guidelines of applicable sections of NFPA standards. Innovative Controls permanent type nameplates and instruction panels shall be installed on the pump panel for safe operation of the pumping equipment and controls.

FOAM SYSTEM

The apparatus shall be equipped with a Hale 2.1A SmartFOAM system. The foam system shall be equipped with a Class1 UltraView SmartFOAM Controller and a foam induction pump.

The foam induction pump will be a Class1 2.1A piston style foam induction pump (12VDC) for use with Class A concentrates at a rated output of up to 2.1 gpm and a maximum operating pressure of 250 psi.

The SmartFOAM Controller will show the water flow per minute, foam percentage, total water flowed, and total foam flowed on the main screen without having to press any buttons. The SmartFOAM Controller will maintain a running total of the amount of water and foam used during the current power cycle.

The SmartFOAM Controller will allow push-button modification of the foam proportioning rate from 0.1% to 10.0% in 0.1% increments. The SmartFOAM Controller will always begin operation at the preset foam proportioning rate which is configured with a password protected set-up screen.

The foam concentrate pump discharge line shall be equipped with a bubble tight check valve, rated at 500 psi to prevent water flow into the concentrate pump from the apparatus fire pump. This valve shall be made from brass or 300 series stainless steel. This valve shall have a cracking pressure of 4-6 psi to prevent flowing concentrate through the pump due to head pressure from the concentrate reservoir.

In-line, field serviceable foam concentrate strainer(s) shall be installed in the foam concentrate suction line(s).

Fouts Bros Fire Equipment

The crosslays shall be equipped with a heavy duty 18 oz. vinyl cover with side flaps. The top portion will be fastened to the pump house with Velcro and the side flaps will be held in place with a hook and bungee system.

The vinyl cover shall be red in color.

PUMP PANEL LIGHT SHIELD, LH SIDE PANEL

One (1) LED strip light shall be installed under an instrument panel light hood on the left side pump panel.

PUMP PANEL LIGHT SHIELD, RH SIDE PANEL

One (1) LED strip light shall be installed under an instrument panel light hood on the right side pump panel.

PUMP COMPARTMENT LIGHT

One (1) 60.00" LED strip light shall be installed inside the pump compartment area. It shall be located at the front of the module. The light shall be switched with the pump panel lights.

A weather resistant switch, located on the pump operator's panel shall be provided to activate the lights.

LEFT SIDE RUNNING BOARD - TAPPERED

The left pump panel shall be equipped with a side running board. The running board shall be constructed of 0.125" embossed fire apparatus bright aluminum treadplate. It shall be the full width of the module and taper from front to rear to blend with the width of the cab and body. It shall be approximately 6.75" deep at the front of the module and 11.00" deep at the rear. The running board shall have an upward bend on the inside edge to act as a kick plate. The running board shall be attached to a frame mounted outrigger support structure.

RIGHT SIDE RUNNING BOARD - TAPPERED

The right pump panel shall be equipped with a side running board. The running board shall be constructed of 0.125" embossed fire apparatus bright aluminum treadplate. It shall be the full width of the module and taper from front to rear to blend with the width of the cab and body. It shall be approximately 6.75" deep at the front of the module and 11.00" deep at the rear. The running board shall have an upward bend on the inside edge to act as a kick plate. The running board shall be attached to a frame mounted outrigger support structure.

HOSE RESTRAINT LABEL - FAMA# 22

A permanent label shall be provided near any hose storage area. The label shall instruct the operator to insure that all hose is properly secured prior to placing the apparatus in motion and to provide warning of potential dangers, including injury or death, in failing to do so.

INTAKE/DISCHARGE CAP PRESSURE LABEL - FAMA# 18

Fouts Bros Fire Equipment

The pump operator's control panel shall be located on the driver side of the apparatus. The pump enclosure side panels shall be completely removable and designed for easy access and servicing.

HINGED GAUGE PANEL

A full width, horizontally hinged gauge access panel shall be located on the left hand side of the pump module above the main control panel. Two (2) push type latches shall be provided along with chain holders to prevent the front of the gauge panel from coming in contact with other panels when open.

VERTICALLY HINGED, SPLIT PUMP RIGHT HAND SIDE

The right hand side pump panel shall be split, vertically hinged, to provide complete access to the pump and plumbing on the right hand side of the pump enclosure. The panels shall be equipped with stainless steel hinges and secured with black powder coated Southco push type locks to hold the panels closed.

The drains located on the right hand panel shall be fastened to a lower drain panel, which shall be stationary.

PUMP PANEL MATERIAL

The pump module panels shall be fabricated from 14 gauge 304L stainless steel with a brushed finish.

CROSSLAY HOSEBED

The crosslays shall be arranged on top of the pump module with the #1 crosslay toward the front of the pump house and the #2 crosslay immediately behind the first.

They shall be arranged in a double stack design with a divider in the center. Each hose storage area shall be provided with dimensions of 7.65" wide x 66.00" deep x 16.00" tall [4.67 cu. ft. each].

The crosslay hose bed floor shall be slotted to allow the swivels to extend up through the floor, allowing the pre-connected hoses to be pulled off either side of the apparatus without kinking the hose at the coupling connection.

Each crosslay shall be designed to have a minimum total capacity of 3.5 cubic feet as required by NFPA -1901 to accommodate a minimum of 200 feet of 1.75" fire hose.

There shall be one (1) divider in the crosslay area. The divider shall be constructed from 0.188" thick abraded aluminum plate. There shall be a hand hole on each side of the divider to assist the firefighter.

VINYL CROSSLAY COVER

Fouts Bros Fire Equipment

One (1) Hale model # "ITL-40B" Tank Level Gauge for indicating water level shall be installed on the pump operator's panel. The tank level gauge shall indicate the liquid level or volume on an easy to read LED display with a visual indicator at nine (9) precise levels, using one (1) color. The system shall include the ability to display "text messages" and have built-in diagnostic capabilities. Additional secondary displays (if requested) are to be easily integrated and will receive data from the same source as the Master Display.

The LED display shall be blue in color.

PUMP, MODULE, AND RELATED ITEMS

ALUMINUM PUMP MODULE CONSTRUCTION

The pump module shall be constructed entirely of extrusions and aluminum plate. The framework shall be formed from beveled aluminum alloy extrusions. The pump module design must allow normal frame deflection through isolation mounts without imposing stress on the pump module structure or side running boards. The pump module shall consist of a welded framework, properly braced to withstand chassis frame flexing. The pump module support shall be bolted to the frame rails of the chassis.

INDEPENDENT PUMP MODULE

The pump module shall be fabricated as individual unit independent from the body.

FRONT PUMP HOUSE ENCLOSURE

The front of the pump enclosure shall be enclosed with 0.125" aluminum tread plate.

PANEL FASTENERS

Stainless steel machine screws and lock washers shall be used to hold these panels in position. The panels shall be easily removable to provide complete access to the pump for major service.

PUMP SERVICE ACCESS - CROSSLAYS

The top third of the pump module (crosslay area) shall be crosslays shall be removable for access to the top of the pump module.

PUMP MODULE WIDTH

Pump Module to be 24.00" side (side to side).

PUMP PANEL - SIDE MOUNT

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One (1) 3.00" discharge with a 4.00" outlet and 3.00" manual valve shall be located on the right side rear panel.

The quarter turn valve shall be manually operated with a Class1 locking push pull control rod.

The outlet shall be equipped with an integral, stainless steel, straight flange terminating with 4.00" MNST threads.

ELBOW ADAPTER

One (1) Task Force Tips model # AH3ST-NP 30 degree elbow shall be provided and attached to the 4.00" discharge. The elbow shall be configured with a 5.00" swivel Storz coupling and a 4.00" female NST swivel rocker lug coupling.

STORZ CAP

One (1) TFT model #A01ST 5.00" Storz cap with lanyard shall be provided.

The discharge shall **NOT** be foam capable.

HOSE BED PRECONNECT - RH SIDE

One (1) 2.50" discharge shall be plumbed to the front of the hose bed, on the right hand side. Discharge will terminate with 2.50" NST thread.

The quarter turn valve shall be manually operated with a Class1 locking push pull control rod.

The discharge shall **NOT** be foam capable.

CROSSLAY PRE-CONNECT DISCHARGE #1

One (1) 1.75" crosslay pre-connect with a 2.00" Akron Brass valve shall be installed in the pump module above the pump. The crosslay shall be plumbed using 2.00" stainless steel pipe, and/or flexible piping. The crosslay discharge shall terminate below the hose bed floor with a 1.50" NSTM chicksan swivel adapter.

The quarter turn valve shall be manually operated with a Class1 locking push pull control rod.

The discharge shall be foam capable.

CROSSLAY PRE-CONNECT DISCHARGE #2

One (1) 1.75" crosslay pre-connect with a 2.00" Akron Brass valve shall be installed in the pump module above the pump. The crosslay shall be plumbed using 2.00" stainless steel pipe, and/or flexible piping. The crosslay discharge shall terminate below the hose bed floor with a 1.50" NSTM chicksan swivel adapter.

The quarter turn valve shall be manually operated with a Class1 locking push pull control rod.

The discharge shall be foam capable.

MASTER PUMP GAUGES

The master pump intake pressure and vacuum, and the main pump discharge pressure shall be indicated on the pressure governor display.

LED WATER LEVEL GAUGE (PUMP PANEL)

Fouts Bros Fire Equipment

- Throttle Ready Interlock Status
- Pump Engaged Interlock Status
- OKAY to Pump Interlock Status
- Operating Mode Status (RPM or Pressure)
- Target Pressure Indication (when in pressure mode)

LEFT SIDE AUXILIARY SUCTION

One (1) 2.50" intake shall be located on the left side panel. The valve shall come equipped with an inlet strainer and a 2.50" NST chrome inlet swivel.

The side auxiliary inlet will incorporate a quarter-turn ball valve with a swing-type manual control located adjacent the intake.

One (1) 2.50" chrome plated plug shall be provided. The plug shall be equipped with MNST threads, rocker lugs, and chain.

TANK TO PUMP LINE

One (1) 3.00" tank to pump line shall be provided for connection between the water tank and the fire pump. The valve shall be actuated with an air cylinder. The valve shall be controlled with a switch at the pump panel.

TANK FILL/ RECIRCULATION LINE

One (1) 2.00" discharge shall be plumbed to the tank.

The quarter turn valve shall be manually operated with a Class 1 locking push pull control rod. It shall have a chrome plated zinc handle with a recessed area for 1.00" x 3.00" identification tag. The controls shall be locked in any position.

LEFT SIDE PANEL DISCHARGE

One (1) 2.50" discharge shall be located on the left side panel.

The quarter turn valve shall be manually operated with a Class1 locking push pull control rod.

The discharge shall be equipped with an integral, stainless steel, 30-degree elbow terminating with 2.50" MNST threads.

One (1) 2.50" chrome plated cap with self-venting lungs shall be provided. The cap shall be equipped with FNST threads, rocker lugs, and chain.

The discharge shall **NOT** be foam capable.

RIGHT SIDE FRONT PANEL DISCHARGE

One (1) 3.00" discharge shall be located on the right side front panel.

The quarter turn valve shall be manually operated with a Class1 locking push pull control rod.

The 3.00" outlet shall be equipped with an integral, stainless steel, 30-degree elbow terminating with 3.00" MNST threads.

One (1) 3.00" chrome plated cap with self-venting lungs shall be provided. The cap shall be equipped with FNST threads, rocker lugs, and chain.

The discharge shall **NOT** be foam capable.

RIGHT SIDE REAR PANEL DISCHARGE

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producing a minimum of 24 Hg vacuum at 2,000 feet (609.6m) above sea level. The electric motor shall be a 12 VDC totally enclosed unit. The priming pump shall not require lubrication. The priming pump shall operate by a push button switch mounted on the pump operator's panel. The switch controls an air cylinder on the PVG control valve, which shall be located behind the panel and manufactured of bronze construction.

PRIMER FUSE

The primer shall be protected with a 250 amp fusible link that is designed to protect the apparatus 12 volt electrical system if the primer motor malfunctions.

ANODES

The fire pump shall be equipped with replaceable alloy anodes. The pump shall have one (1) anode on each intake section and one (1) anode on the discharge section of the fire pump, for a total of three (3).

THERMAL RELIEF VALVE

A Hale Model TRV120 Thermal Relief Valve shall be provided on the pump. If water temperature in the pump exceeds 120 degrees Fahrenheit, the thermal relief valve shall automatically open and discharge pump water to the ground, through a 0.375" discharge line, routed below the pump module. The thermal relief valve shall automatically close when the water temperature is lowered.

PUMP COOLER VALVE

A pump cooler valve shall be installed in the instrument panel. The valve shall be a 0.25" multi-turn valve installed thru the instrument panel and labeled.

SENTRY GOVERNOR PRESSURE SYSTEM

The apparatus shall be equipped with the Class1 Sentry Pressure Governor System. The Sentry Pressure Governor System (SPGS) is a J1939 CAN based pressure governing system that consists of a Sentry display, Twister throttle, pressure transducers and associated wiring.

The Sentry display utilizes Class1's UltraView technology. It is a custom tooled and programmed, 4.30", full color LCD display with (8) buttons. The Sentry display provides the interface to the Engine Control Module (ECM) mounted on the engine.

The following parameters visible at all times:

- Pump Intake Pressure
- Pump Discharge Pressure
- Engine RPM
- Engine Oil Pressure
- Engine Coolant Temperature
- Transmission Temperature
- System Voltage

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PUMP CERTIFICATION

The fire pump shall be tested to meet the flow requirements of the pump. A written certification shall be provided with the completed vehicle.

PRESSURE RELIEF VALVE-NONE

Pressure controlled by electronic governor.

U.L. TEST POINTS

Two (2) U.L. test plugs shall be mounted on the pump panel for testing of the vacuum and pressures.

MASTER PUMP DRAIN

The pump shall be equipped with a Class 1 Master Pump drain to allow draining of the lower pump cavities, volute and selected water carrying lines and accessories. The drain shall have an all brass body with a stainless steel return spring.

VALVES

The valves shall be Akron Brass with stainless balls. The valves shall be bi-directional with full flow capability. The valves shall be of fixed pivot ball design with a flow pressure rating to meet NFPA-1901 standards. All 3.00" discharge valves shall be supplied with a true slow close mechanism per NFPA specifications.

INDIVIDUAL DRAINS

One (1) individual Class1 lift up drain valve shall be furnished for each 1.50" or larger discharge port and each 2.50" gated auxiliary suction.

DISCHARGE GAUGES

Individual Class 1 2.50" line gauges for each 2.00" or larger discharge shall be provided and mounted adjacent to the discharge valve control handle. The gauges shall indicate pressure from 0 to 400 PSI. The pressure gauge shall be fully filled with pulse and vibration dampening Interlube to lubricate the internal mechanisms to prevent lens condensation and to ensure proper operation to minus 40 degrees F. To prevent internal freezing and to keep contaminants from entering the gauge, the stem and Bourdon tube shall be filled with low temperature material and be sealed from the water system using an isolating Sub Z diaphragm located in the stem.

HALE MODEL ESP-PVG OIL LESS PRIMING SYSTEM

The priming pump shall be a positive displacement, oil-less rotary vane electric motor driven pump conforming to NFPA-1901 rated performance requirements. The pump body shall be manufactured of heat-treated anodized aluminum for wear and corrosion resistance. The pump shall be capable of

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instruction plate describing the transmission shift selector position used for pumping shall be provided and located so it can be read from the driver's position per NFPA **16.10.1.3**.

The switch shall have three positions:

- Position 1 shall be road position.
- Position 2 shall be neutral position.
- Position 3 shall be pump position.

PIPING AND MANIFOLDS

All the plumbing and/or piping in the pump module shall be of 304 stainless steel or flexible piping for long life. All stainless steel castings shall be a minimum of schedule 40. All NPT pipe thread connections larger than 0.75" connections shall be avoided in the construction of the plumbing system. The following valves shall have groove connection: rear discharge, tank fill, all 2.00" and 2.50" pre-connect valves.

The flexible piping shall be black SBR synthetic rubber hose with 300 working pounds and 1200 pounds burst pressure for sizes 1.50 through 4.00". Sizes 0.75", 1.00" and 5.00" are rated at 250 pound working and 1000 pound burst pressure. All sizes are rated at 30 HG vacuum. Reinforcement consists of two plies of high tensile strength tire cord for all sizes and helix wire installed in sizes 1 through 5.00" for maximum performance in tight bend applications. The material has a temperature rating of -40 degrees F to 210 degrees F. Full flow couplings are precision machined from high tensile strength stainless steel. All female couplings are brass. 0.75" and 1.00" male and Victaulic couplings are brass

SYNFLEX SUCTION, DISCHARGE, PRESSURE AND CONTROL LINES

Small lines within the pump enclosure shall be constructed from Synflex hose. Uses include, but are not limited to such lines as priming control, gauge lines, drain lines, air control valves, pump shift, supplemental cooling, foam flush and air bleeder valves.

PLUMBING SYSTEM

The plumbing system shall be left unpainted by the apparatus manufacturer.

HOSE THREADS- NST

All hose threads shall be National Standard Thread (NST) on all base threads on the apparatus intake and discharges, unless otherwise specified.

CAPS AND ADAPTERS SAFETY TETHER

All applicable discharge and suction caps, plugs and adapters shall be equipped with chrome plated ball chain and secured to the vehicle.

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One (1) 6.00" chrome plated cap with long handles and NST threads shall be supplied. The cap shall be capable of withstanding 500 PSI and be trimmed with the apparatus manufacturer's logo in the center of the cap.

RIGHT SIDE MASTER INTAKE

One (1) 6.00" steamer intake with screen and male NST threads shall be provided on the right hand side of the pump module.

INLET CAP

One (1) 6.00" chrome plated cap with long handles and NST threads shall be supplied. The cap shall be capable of withstanding 500 PSI and be trimmed with the apparatus manufacturer's logo in the center of the cap.

DRIVELINE MODIFICATION

The chassis driveline shall be modified to accommodate any changes required by the installation of the fire pump.

AIR COMPRESSOR - PUMP SHIFT

Since the Ford Superduty chassis does not have an onboard chassis air system, an alternate air system will be provided. This system will include a 12-volt air compressor and a small capacity tank. The compressor and tank will be installed in a location that does not interfere with other equipment.

The compressor will maintain air system pressure. A pressure switch will sense when the system pressure drops and automatically start the compressor, (providing the battery switch is "on") which then will run until pressure is restored.

PUMP SHIFT CONTROLS

One (1) electric over air pump shift control panel shall be mounted in the center console. The following shall be provided on the panel: a three (3) position locking toggle switch; an engraved PUMP ENGAGED identification light; and an engraved OK TO PUMP identification light. An instruction plate describing the transmission shift selector position used for pumping shall be provided and located so it can be read from the driver's position per NFPA **16.10.1.3**.

The switch shall have three positions:

- Position 1 shall be road position.
- Position 2 shall be neutral position.
- Position 3 shall be pump position.

PUMP SHIFT CONTROLS

One (1) electric over air pump shift control panel shall be mounted in the center console. The following shall be provided on the panel: a three (3) position locking toggle switch; an engraved PUMP ENGAGED identification light; and an engraved OK TO PUMP identification light. An

Fouts Bros Fire Equipment

All gears, both drive and pump, shall be of highest quality electric furnace chrome nickel steel. Bores shall be ground to size and teeth integrated and hardened, to give an extremely accurate gear for long life, smooth, quiet running, and higher load carrying capability. An accurately cut spur design shall be provided to eliminate all possible end thrust. (No exceptions.)

The pump ratio shall be selected by the apparatus manufacturer to give maximum performance with the engine and transmission selected.

If the gearbox is equipped with a power shift, the shifting mechanism shall be a heat treated, hard anodized aluminum power cylinder, with stainless steel shaft. An in-cab control for rapid shift shall be provided that locks in road or pump.

MECHANICAL SEAL

The pump shall have a mechanical seal. One (1) only required on the suction (inboard) side of the pump. The mechanical seal shall be two (2) inches in diameter and shall be spring loaded, maintenance free and self-adjusting. Mechanical seal construction shall be a carbon sealing ring, stainless steel coil spring, Viton rubber cup, and a tungsten carbide seat with Teflon backup seal.

PUMP WARRANTY

The pump shall be covered by the Hale Pro-Tech 5-year pump warranty against workmanship and materials. Both parts and labor shall be covered for the first 2 years and years 3-5 shall have parts only coverage.

1500 GPM FIRE PUMP SPECIFICATIONS

The centrifugal type fire pump shall be a Hale model DSD midship mounted with a rated capacity of 1500 GPM. The pump shall meet NFPA 1901 requirements.

The pump shall be certified to meet the following deliveries:

1500 gpm (5678 L/M) @ 150 psi (10.3 bar)
1050 gpm (3974 L/M) @ 200 psi (13.8 bar)
750 gpm (2839 L/M) @ 250 psi (17.2 bar)

ALTITUDE REQUIREMENTS

The apparatus shall be designed to meet the specified rating at 0 to 2000' altitude.

LEFT SIDE INTAKE

One (1) 6.00" steamer intake with a screen and male NST threads shall be provided on the left hand side of the pump module.

INLET CAP

Fouts Bros Fire Equipment

The pump shall be of a size and design to mount on the chassis rails of commercial and custom truck chassis.

The entire pump shall be assembled and tested at the pump manufacturer's factory.

The pump shall be driven by a drive line from the truck transmission. The engine shall provide sufficient horsepower and RPM to enable pump to meet and exceed its rated performance.

The entire pump shall be hydrostatically tested to a pressure of 600 PSI. The pump shall be fully tested at the pump manufacturer's factory to the performance spots as outlined by the latest NFPA Pamphlet No.1901. Pump shall be free from objectionable pulsation and vibration.

The pump body and related parts shall be of fine grain alloy cast iron, with a minimum tensile strength of 30,000 PSI (2069 bar). All metal moving parts in contact with water shall be of high quality bronze or stainless steel. Pump utilizing castings made of lower tensile strength cast iron not acceptable.

Pump body shall be vertically split, on a single plane for easy removal of entire impeller assembly including clearance rings.

Pump shaft to be rigidly supported by two (2) bearings for minimum deflection. The bearings shall be heavy duty, deep groove ball bearings in the gearbox and they shall be splash lubricated.

The pump impeller shall be hard, fine grain bronze of the mixed flow design; accurately machines, hand ground and individually balanced. The vanes of the impeller intake eye shall be hand ground and polished to a sharp edge, and be of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower.

Impeller clearance rings shall be bronze, easily renewable without replacing impeller or pump volute body.

The pump shaft shall be heat-treated, electric furnace, corrosion resistant stainless steel. Pump shaft must be sealed with double-lip oil seal to keep road dirt and water out of gearbox.

GEARBOX

Pump gearbox shall be of sufficient size to withstand up to 16,000 lbs. ft. of drive through torque of the engine system. The drive unit shall be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature.

The gearbox drive shafts shall be of heat-treated chrome nickel steel and at least 2.75 inches in diameter, on both the input and output drive shafts. They shall withstand the full torque of the engine.

Fouts Bros Fire Equipment

One (1) Kussmaul "Super" Auto Eject model 091-55-20-120, automatic, 120 volt, 20 amp shoreline disconnect shall be provided for the on board, 120 volt battery charging systems.

AUTO-EJECT MATING PLUG

A Kussmaul model # 5-20P-H, 20 amp mating female cord end shall be shipped loose with the apparatus to allow the Fire Department to connect cord end to a Fire Department provided charging cord.

BATTERY CHARGER DISPLAY/ COVER

One (1) Kussmaul model 091-55-266-YW batter charger status center/ auto eject cover shall be supplied with the charger.

The cover shall be yellow in color.

SHORELINE RECEPTACLE LOCATION

The shoreline receptacle shall be located on the left hand side of the apparatus in a pre-determined location by the manufacturer.

AUXILIARY AIR COMPRESSOR

A Kussmaul 12V air compressor shall be supplied. The compressor system shall be designed to maintain the air pressure in the air system while not in use. A pressure switch shall sense air pressure drop and engage the compressor which shall run until the pressure is restored.

AUXILIARY AIR COMPRESSOR LOCATION

The auxiliary air compressor shall be located in a pre-determined location by the manufacturer.

BACK-UP ALARM

One (1) 97 DB back up alarm shall be provided and installed at the rear of the unit. It shall be wired to activate when the transmission is placed in reverse.

DUAL USB PORT

One (1) Kussmaul model # 091-219-5 shall be installed in the console. It shall contain two (2) 2.4 amp USB charging ports.

== PUMP AND PLUMBING - FOUTS 4 - 7.000 02/14/22 ==

PUMP, MODULE, AND RELATED ITEMS

NFPA 1901 COMPLIANT PUMP

The fire pump and related plumbing on the specified apparatus shall be installed in accordance with applicable NFPA 1901 guidelines at the time the contract was placed.

HALE DSD SIDE MOUNT PUMP

Fouts Bros Fire Equipment

NFPA 1901, 2016 edition, section 14.1.3.9 requires a seat belt warning system be provided. The seat belt warning device is intended to assist the driver or officer in determining whether all occupants are seated and belted before the vehicle is driven. Without this device, the driver must manually determine that all occupants are seated and belted before the apparatus is placed in motion.

The seat belt warning system is not available as required from the commercial chassis manufacturer, or not requested by the customer. Per Fire Department specification of a commercial chassis, there will be no seat belt warning system on the apparatus. The purchasing authority is consciously choosing to accept an apparatus without a tool that the NFPA Technical Committee on Fire Department Apparatus believes all fire departments should use to promote and enforce seat belt compliance. This apparatus will be non-compliant to NFPA 1901 standards effective at time of contract execution.

CENTER CONSOLE

A center console fabricated from 0.125" aluminum shall be furnished and shall be located between the driver and officer's seats.

The forward area of the console shall have a mounting surface for emergency lighting switch panels and/or electronic siren control boxes within reach of the driver or officer.

The rear portion of the console shall be provided with an open top storage area for notebooks or maps.

CUP HOLDERS

Two (2) cup holders shall be provided and installed in the console.

MASTER BODY DISCONNECT SWITCH

A master body disconnect on/off switch shall be provided in the cab, near the driver's door. The switch shall disconnect the power to the apparatus body when the ignition switch is in the off position.

One (1) reset breaker shall be installed between the solenoid output and any electrical load.

One (1) indicator light shall be provided to indicate the apparatus 12-volt system is on. The light shall be located in the chassis cab and be visible from the driver's positions. The light shall be green in color and labeled "Master Battery".

BATTERY CONDITIONER

A Kussmaul Chief 4012 Series battery conditioner shall be supplied. The battery conditioner shall provide a 40 amp output for the chassis batteries and a 20 amp output circuit for accessory loads.

BATTERY CHARGER LOCATION

The battery charger shall be located in a pre-determined location by the manufacturer.

120 VOLT SHORELINE CONNECTION - "SUPER" AUTO EJECT

Fouts Bros Fire Equipment

The sensor will calibrate to the tire pressure when installed on the valve stem for pressures between 10 and 200 psi. The sensor will activate an integral battery operated LED when the pressure of that tire drops 5 to 8 psi.

Removing the cap from the sensor will indicate the functionality of the sensor and battery. If the sensor and battery are in working condition, the LED will immediately start to flash.

WHEEL COVERS

Each wheel shall have one (1) stainless steel wheel cover installed.

CHASSIS EXHAUST EXTENSION - RIGHT HAND SIDE

The chassis exhaust shall be modified and relocated to the right side of the apparatus, and will terminate behind of the rear wheel.

EXHAUST HEAT SHIELD

A heat shield shall be installed under the body in the areas where the exhaust system is routed.

HOT EXHAUST DANGERS LABEL - FAMA# 04

A permanent label shall be provided near any hot exhaust surface that warns of potential injury or death that could be caused by contact with the surface. The label shall also state precautions that should be taken while working on or around the surface.

CHASSIS PREPARATION

Prior to installation of the fire pump, apparatus body, or cab steps, all components which extend out beyond the chassis frame rails shall be removed and relocated to the area within the frame rails

CHASSIS TOW HOOKS

The front tow hooks shall be provided as detailed in the chassis specifications.

== ELEC CHASSIS MODS- FOUTS 4 - 7.000 02/14/22 ==

VEHICLE DATA RECORDER

NFPA 1901, 2016 edition, section 4.11.1 requires all apparatus be equipped with an on-board vehicle data recorder. The VDR is intended to be used by the fire department to monitor seat belt use as a tool for enforcing a seat belt policy that enhances the safety of apparatus occupants.

The vehicle data recorder is not available as required from the commercial chassis manufacturer. Per Fire Department specification of a commercial chassis, there will be no vehicle data recorder on the apparatus. This apparatus will be non-compliant to NFPA 1901 standards effective at time of contract execution.

SEAT BELT MONITORING SYSTEM

Fouts Bros Fire Equipment

The center portion of the 40/20/40 split bench seat shall be removed to accommodate the installation of the specified console.

SEATING CAPACITY

The seating capacity in the cab will be four (4).

REAR CREW AREA SEATS

The Ford factory seats shall be removed in the rear crew area. Two (2) VALOR SCBA style seats with ZICO EZ Lock brackets and seat riser shall be provided and installed.

The seats will be installed with one (1) in the passenger's side outboard position and one (1) in the driver's side outboard position. There will be no seat in the center position. Seats will utilize the existing shoulder safety belt system.

SCBA SEAT CRASH HAZARD - FAMA# 11

Safety sign FAMA # 11 sign shall be visible to the occupants of the SCBA seats in the cab. "SCBA Seat Crash Hazard. Only occupy SCBA seat with pack or seat insert in place. Sitting in an SCBA seat without an SCBA pack or seat insert may cause injury in the event of a crash."

SEAT BELT WEB LENGTH

NFPA 1901, 2016 edition, Section 14.1.3.1 and 14.1.3.2 requires effective seat belt web length for a Type 1 lap belt for pelvic restraint to be a minimum of 60.00", and a Type 2 pelvic and upper torso restraint-style seat belt assembly to be a minimum of 110.00".

Per specification of a commercial chassis, this apparatus may not have seat belts of the required length. These belts may not provide sufficient length for large firefighters in bunker gear. This apparatus will be non-compliant to NFPA 1901 standards effective at time of contract execution.

SEAT BELTS

NFPA 1901, 2016 edition, section 14.1.3.3 requires the seat belt webbing to be bright red or bright orange in color, and the buckle portion of the seat belt will be mounted on a rigid or semi-rigid stalk such that the buckle remains positioned in an accessible location.

The seat belt color is not available in red or orange from the commercial chassis manufacturer. Per specification of a commercial chassis, the seat belt color will be non-compliant. This apparatus will be non-compliant to NFPA 1901 standards effective at time of contract execution.

TIRE PRESSURE MANAGEMENT

There will be a RealWheels LED AirSecure tire alert pressure management system provided, that will monitor each tire's pressure. A sensor will be provided on the valve stem of each tire for a total of six (6) tires.

Fouts Bros Fire Equipment

FORD SUPERDUTY WARRANTY

Description	Months/Distance
Basic.....	36 month/36,000 miles
Powertrain.....	60 month/60,000 miles
Corrosion Perforation.....	60 month/unlimited mileage
Roadside Assistance	60 month/60,000 miles
Diesel Engine	60 month/100,000 miles

CHASSIS PAINT COLOR

The cab shall be painted two tone.

Color: Ford Race Red and color for roof and hood TBD

Paint Number: PQ

== CHASSIS MODS - FOUTS 4 - 7.000 02/14/22 ==

RUNNING BOARDS

One (1) set of running boards shall be mounted to each side of the chassis. The running boards shall exceed the NFPA requirements for stepping surface and slip resistance

GRILLE GUARD

A winch mount grille guard shall be provided and installed on the front of the chassis. The grille guard shall be constructed of 304 stainless steel and have a black powder coated finish. It shall be capable of mounting a winch with ratings up to 12,000 lbs.

FRONT MOUNTED WINCH

An electric winch with 12,000 pound (5,440 kg) rated line pull shall be installed in the brush guard. The winch shall be equipped with 3/8" diameter wire rope, clevis hook and a 4-way roller fairlead. The winch shall be operated through a pendant with a hand held control.

TOWING HITCH RECEIVER

A trailer towing hitch receiver with safety chain anchors shall be installed at the rear of the apparatus.

The hitch receiver shall be constructed of heavy steel tubing and reinforced to the apparatus framework. The hitch receiver shall have a Class V rating of 16,000 pounds towing and 1,600 pounds tongue weight when used with a weight distributing hitch assembly.

The receiver shall accept a 2.00" hitch.

One (1) 7-prong connector with a weatherproof cover shall be supplied and mounted near the rear receiver tube.

SEATING MODIFICATION

Fouts Bros Fire Equipment

- Tachometer
- Speedometer
- Turbo boost (diesel only)
- Oil pressure
- Coolant temperature
- Fuel gauge
- Transmission temperature gauge
- Indicator lights & Message Center/odometer, trip odometer, engine hour meter & warning messages.

POWER EQUIPMENT GROUP

- Accessory delay
- Manual-folding and manual telescoping power trailer-tow mirrors with heated glass.
- Heated convex spotter mirror
- Integrated clearance lamps/ turn signals
- Perimeter alarm
- Power first-row windows with one-touch up/ down
- Power second-row windows
- Power locks
- Remote keyless entry
- Upgraded door-trim panel
- Advanced Security Pack (includes SecuriLock Passive Anti-Theft System (PATS) and Inclinometer/ Intrusion Sensors)

CAB SEATING

The front seating shall consist of a heavy duty vinyl 40/20/40 split front bench seat w/center armrest, cup holder, storage and manual driver-side lumbar support

REAR CAB SEATING

The rear seating shall consist of a heavy duty vinyl 60/40 bench flip-up/fold-down rear seat.

XL VALUE PACKAGE

4.2" center stack screen
AM/FM stereo MP3 player w/ six speakers
Chrome front bumper
Cruise control
Ford SYNC

WHEELS

Six (6), 10-hole Disc, 19.50" x 6.00" RW Steel

TIRES

Six (6) 225/70R19.5G black side wall traction tires shall come supplied from ford with the chassis.

Fouts Bros Fire Equipment

- Dual Extra Heavy-Duty Alternators (Total 377-Amps)
- Operator Commanded Regeneration (OCR) Includes active regeneration inhibit.

MANUAL REGENERATION

A push button switch on the dash to initiate manual DPF regeneration.

Fuel Tank: 40 gallon aft-axle with auxiliary fuel tap, to provide fuel to an auxiliary truck body mounted diesel engine.

NFPA 1901, 2016 edition, section 12.3.4.7 requires a means for draining the tank without removing the tank.

REAR AXLE RATIO

The ratio of the rear axle shall be 4.88 limited slip.

Engine Block Heater

PTO PROVISION

Transmission Power Take-Off Provision

CAB TYPE

Conventional, engine forward, four (4) door crew cab

Construction: Welded steel

Accessories:

- Solar Tinted glass in all windows
- Dual sun visors
- Electric windshield washer
- Dome light
- Fresh air heater and defroster
- Dual electric horns
- Driver and passenger air bags
- Gray Vinyl Upholstery
- Roof Clearance Lights
- Black vinyl full floor covering
- 12V Auxiliary Power Point

Headlamps: dual beam jewel effect

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

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

Instrumentation:

Fouts Bros Fire Equipment

One (1) new FORD F-550 rear axle drive 4x4, dual rear wheels (DRW), four (4) door crew cab and chassis with XL trim.

Wheelbase: 203.70"

Cab to Axle: 84.00"

PAYLOAD PLUS UPGRADE PACKAGE (68M)

- Increases GVWR from 18,000 lbs. to 19,500 lbs.
- Increases max RGAWR to 14,706
- Low Deflection/High Capacity Rear Springs
- Upgraded frame
- Upgraded rear-axle

ELECTRONIC SHIFT ON THE FLY (213)

- Electronic Shift-On-the-Fly (ESOF)

SKID PLATE

Transfer Case Skid Plate Shield

POWERTRAIN (99T)

- 6.7L Power Stroke V8 Turbo Diesel Engine, OHV (32-valve)
- Horsepower: 330 HP @ 2600 RPM
- Rated Torque: 825 lb.-ft. @ 2,000 rpm
- Stationary Elevated Idle Control, SEIC

Exhaust System: horizontally mounted, discharge on right side aft of wheels

TRANSMISSION

TorqShift 10-speed automatic with selectable drive modes.

FIRE/ RESCUE PREP PKG w/EPA SPECIAL EMISSIONS (LPO)

Includes 7,000 lbs. max front springs/GAWR rating for configuration selected. Incomplete vehicle package - requires further manufacture and certification by a final stage manufacturer. Ford urges Fire/Rescue Vehicle manufacturers to follow the recommendations of the Ford Incomplete Vehicle Manual and the Ford Truck Body Builders Layout Book (and pertinent supplements). NOTE 1: Stationary Elevated Idle Control (SEIC) has been integrated into the engine control module. NOTE 2: Engine calibration significantly reduces the possibility of depower mode when in stationary PTO operation. NOTE 3: Operator commanded regen allowed down to 30% of DPF filter full, instead of 100%. NOTE 4: Must meet the definition of an Emergency Vehicle, an Ambulance or Fire Truck per 40 CFR 86.1803.01 in the Federal Register. NOTE 5: California Code of Regulations allows for the sale of Federally certified emergency vehicles in California.

Includes:

Fouts Bros Fire Equipment

- Air conditioning lubrication
- Power steering fluid
- Cab tilt mechanism fluid (if applicable)
- Transfer case fluid
- Equipment rack fluid (if applicable)
- Air compressor system lubricant
- Generator system lubricant (if applicable)

Chassis Data:

- Chassis Manufacturer
- Production Number
- Year Built
- Month Manufactured
- Vehicle Identification Number

Location shall be in the driver's compartment of the chassis cab.

OVERALL HEIGHT, LENGTH, GVW DATA PLAQUE

A "high visibility" plate shall be permanently mounted in the cab, visible to driver when seated.

The plate shall show the overall height of the completed apparatus in feet and inches, the overall length of the completed apparatus in feet and inches.

The plate shall also show the gross vehicle weight rating (GVWR) in tons.

Text shall also be supplied on the plate, indicating that the information shown is current upon completion of the apparatus. If the overall height of the apparatus changes after the apparatus is put into service, then the purchaser must revise the dimensions on the plate.

"NO RIDE" LABEL

A label shall be located on the vehicle at the rear step areas, and at any cross walkways, if they exist. The label(s) shall warn personnel that riding in or on these areas while the vehicle is in motion is prohibited.

== CHASSIS, COMMERCIAL - FORD - 7.000 02/14/22 ==
COMMERCIAL CHASSIS

COMMERCIAL CHASSIS SPECIFICATION

CHASSIS PROVIDER

The chassis, as detailed in these specifications, shall be ordered and supplied by the apparatus manufacturer.

CHASSIS

Fouts Bros Fire Equipment

ROAD TEST FAILURE

In the event the apparatus fails to meet the test requirements of these specifications on the first trials, second trials may be made at the option of the manufacturer within thirty (30) days of the first trials. Such trials shall be final and conclusive and failure to comply with changes, as the purchaser may consider necessary to conform to any clause of the specifications within thirty (30) days after notice is given to the manufacturer of such changes, shall be cause for rejection of the apparatus. Permission to keep or store the apparatus in any building owned or occupied by the purchaser, or its use by the purchaser during the above-specified period with permission of the manufacturer, shall not constitute acceptance.

SEATED AND BELTED WARNING LABEL - FAMA# 07

A permanent label shall be provided that is visible to all occupants that states that they should be seated and belted while the apparatus is in motion. The label shall also state potential injuries or death that could be caused if the safety belts are not used properly.

CAB INTERIOR EQUIPMENT MOUNTING DANGER LABEL - FAMA# 10

A permanent label shall be provided inside of the cab warning of the dangers of unsecured equipment inside the cab. The label shall state that all equipment shall be properly secured and also warn of potential injury or death that could be caused by failing to do so.

DO NOT WEAR HELMET LABEL - FAMA# 15

A permanent label shall be provided inside of the cab in view of all seated positions stating that helmets should not be worn in cab. The label shall also warn of potential injury or death that could be caused by wearing helmet in cab.

VEHICLE BACKING LABEL - FAMA17

A permanent label shall be provided inside of the cab in view of the driver advising of proper procedures to following when the apparatus is in reverse motion. The label shall also warn of potential injury or death that be caused by failing to follow proper procedures.

CHASSIS DATA LABELS

The following information shall be on labels affixed to the vehicle:

Fluid Data:

- Engine oil
- Engine coolant
- Chassis transmission fluid
- Pump transmission lubrication fluid
- Pump primer fluid (if applicable)
- Drive axle(s) lubrication fluid
- Air conditioning refrigerant

Fouts Bros Fire Equipment

The pump module shall be 24.00" wide.

ANGLE OF APPROACH

The angle of approach for the apparatus shall not be less than eight (8) degrees as specified by the current edition of NFPA 1901/ 1906.

ANGLE OF DEPARTURE

The angle of departure for the apparatus shall not be less than eight (8) degrees as specified by the current edition of NFPA 1901/ 1906.

== NFPA 1901 REQUIREMENTS -INITIAL ATTACK - 7.000 02/14/22 ==

NFPA 1901, 2016 STANDARDS

This apparatus specification includes a commercial chassis that has not been certified to meet the requirements of NFPA 1901, 2016 edition by the chassis manufacturer. Although this chassis may comply with certain aspects of the standard, the apparatus manufacturer has not received certification from this chassis manufacturer that all criteria have been met. The body as built by the manufacturer must comply with the NFPA standards effective January of 2016.

ROAD TEST CERTIFICATION

A road test shall be conducted with the finished apparatus fully loaded. During this time, the apparatus shall not show loss of power and/or overheating. The transmission driveshaft or shafts and rear axle shall run free from abnormal vibration or noise throughout the operating range of the apparatus. The apparatus, when loaded, shall have not less than 25% or more than 45% of the weight on the front axle and not less than 55% or more than 75% on the rear axle.

- A). The apparatus must be capable of accelerating to 35 mph from a standing start within 25 seconds on a level concrete highway without exceeding the maximum governed RPM of the engine.
- B). The apparatus must be capable of accelerating from a steady speed of 15 mph to a true speed of 35 mph within 30 seconds. This shall be accomplished without moving the gear selector.
- C). The fully loaded apparatus shall be capable of obtaining a speed of 50 to 55 mph on a level concrete highway.
- D). The manufacturer shall furnish copies of the engine installation approvals signed by the appropriate engine company upon delivery of the chassis to the Fire Department.
- E). The manufacturer shall furnish copies of the transmission approval signed by the transmission manufacturer upon delivery of the chassis to the Fire Department.
- F). The manufacturer shall furnish copies of the front and rear axle approvals upon delivery of the apparatus to the Fire Department.

Fouts Bros Fire Equipment

- A). Accessibility to various components that require periodic maintenance or lubrication checks.
- B). Ease of vehicle and pump operation.
- C). Features beneficial to the intended operation of the apparatus.

Construction of the complete apparatus shall be designed to carry the loads intended to meet the road and terrain conditions and speed requirements desired when specified by the purchaser.

Welding shall not be employed in the assembly of the apparatus in a manner that will prevent the removal of any major component part for service and/or repair.

PAYMENT TERMS

Full payment for the apparatus shall be made at time of delivery of the completed vehicle. Due to insurance liability, the apparatus will not be left at the purchaser's location without full acceptance and payment or prior agreement between the Purchaser and Bidder.

Final delivery price shall not include any Local, State or Federal taxes. The manufacturer shall not be liable for any State or Federal mandated tax or program after sale or delivery of the apparatus.

VEHICLE ACCEPTANCE AND DELIVERY

The customer shall pickup the vehicle at the manufacturing facility and shall supply evidence of sufficient insurance coverage to transport the vehicle.

FUEL TANK FILLED AT DELIVERY

The fuel tank and DEF tank (if applicable) shall be filled upon final delivery at the factory.

== DIMENSIONS - FOUTS 4 - 7.000 02/14/22 ==

APPARATUS DIMENSIONS

These are standard truck dimensions. Changes in configuration or additional options may affect these dimensions. The contract specification shall contain the exact dimensions.

OVERALL HEIGHT

The overall height shall be less than 96.00".

OVERALL LENGTH

The overall length shall be no longer than 26.00'.

OVERALL WIDTH

The overall width of the body shall be 96.00" wide; chassis mirrors will extend out past this width.

PUMP HOUSE DIMENSIONS

Fouts Bros Fire Equipment

SCOPE AND GENERAL REQUIREMENTS

It is the intent of the manufacturer to provide a new fire apparatus that will withstand the continuous use encountered in the emergency fire fighting service. The apparatus shall be of the latest type, symmetrically proportioned and constructed with due consideration of the load to be sustained.

All parts not specifically mentioned herein, but which are necessary in order to furnish a complete fire apparatus, shall be furnished and shall conform to the best practices known to the fire apparatus industry.

The unit is to be of current year manufacture, and is to be new and unused. The bid price shall not include any local, State, or Federal taxes. The Bidder shall not be liable for any State or Federally mandated tax or program after the sale of this apparatus.

These specifications shall be construed as minimum. Should the manufacturer's current published data or specifications exceed these, they shall be considered minimum and be furnished.

FAMA COMPLIANCE

The apparatus manufacturer must be a current member of the Fire Apparatus Manufacturer's Association (FAMA) and must provide certificate of membership.

FAIR, ETHICAL AND LEGAL COMPETITION

In order to ensure fair, ethical, and legal competition the apparatus manufacturer shall have ever been fined or convicted of price fixing, bid rigging, or collusion in any domestic or international fire apparatus market.

PROPRIETARY PARTS

It is the intention of the purchaser for all bidders to furnish the apparatus with major parts commonly used by the heavy-duty truck manufacturers and open market vendors whereas replacement parts are more readily available and at reduced cost. The use of proprietary parts may not be acceptable to the purchaser.

MANUFACTURER'S DISCRETION

Materials, parts, or procedures used are subject to change at manufacturer's discretion at any time to provide equal or better products.

PRODUCT QUALITY AND WORKMANSHIP

The components provided and workmanship performed shall be of the highest quality available for this application. Special consideration shall be given to the following areas:

Fouts Bros Fire Equipment



FOUTS BROS

FOUTS 4

INITIAL ATTACK

OFFERED BY
South Florida Emergency Vehicles
4655 Cummins Court
Fort Myers FL 33905
239-267-5300

Fouts Bros Fire Equipment

Each body side compartment shall be properly vented in a manner that will minimize the possibility of moisture and road dirt entering the compartment. Venting shall be to atmosphere for front and rear side compartments. The center wheel well compartments shall be vented to the front and rear compartments.

ADJUSTABLE SHELVING TRACKS

All side body compartments be furnished with Adjustable shelving track installed. The shelving track shall include a minimum of four (4) aluminum Uni-strut style channel tracks, mounted vertically on compartment side walls or vertical partitions. There shall be one (1) formed aluminum shelf angle bracket per shelving track to mount each shelf, tray, or adjustable storage module. Shelving hardware shall be heavy-duty commercial quality, providing unlimited vertical position adjustments.

ADJUSTABLE TRAYS

Adjustable trays shall be installed as directed by the Purchaser. Trays shall be made of 0.125" smooth aluminum with a 2.00" high perimeter retaining lip with welded corners. Trays shall have a rated capacity of 300-lbs. and shall be supported by a minimum of two (2) heavy-duty shelf brackets. Trays shall have a maintenance free mill finish.

BODY SIDE RUB RAILS

Replaceable extruded aluminum channel rub rails, 2.00" high x 1.00" deep x 0.125" wall, shall be provided below the lower side compartments. Each rub rail shall have a black rubber bumper strip and mounting stand-off spacers. All rub rail ends shall be angle cut, back toward the body to eliminate the possibility of snagging crew clothing or equipment.

FENDER PANELS

A single piece wheel well panel made of .125" aluminum shall be installed with no sharp edges to cut or damage cleaning equipment used in the wheel well area. The wheel well design shall provide for maximum wheel jounce and for use of tire chains without contacting the fender panel.

REAR WHEEL WELL LINERS

The rear wheel wells shall be equipped with replaceable circular liners to prevent road debris damage to adjacent side compartments. The liners shall be made from a single circular panel of .090" smooth aluminum and shall be the full depth of the side compartments. They shall be bolted in place and shall feature end flange bottom drains.

REAR FENDERETTES

Fouts Bros Fire Equipment

A roll-formed, polished stainless steel fenderette shall be installed around the outboard edge of the rear wheel well openings to protect the body sides from road debris. They shall be bolted to the body and shall be replaceable.

BODY FRONT WALL OVERLAY

There shall be .125" polished aluminum tread brite provided for the entire front of the body to protect the paint from road debris and paint chipping.

TOP PROTECTION

There shall be .125" aluminum tread brite overlay provided for entire top of the body.

COMPARTMENT TOP WARNING LABEL - FAMA# 26

A permanent label shall be provided on the front and rear of the compartment tops on both sides warning that the area is not designed, constructed or intended to be a stepping, standing or walking surface. The label shall state that the surface is not intended for this purpose and indicate potential injury or death in doing so.

REAR MUD FLAPS

A pair of black rubber mud flaps, with the Manufacturer's logo, shall be provided and installed behind the rear wheels.

REAR PLATFORM STEP

A modular bolt-on rear platform step made of .188" embossed aluminum tread brite shall be installed on the rear of the apparatus to provide a full width step area with sufficient support to prevent deflection when in use by several crew members. The outside edges of the rear platform shall be flush with the side body rub rails to maintain a uniform appearance. The step shall protrude 10.00" back from the rear of the body and shall be spaced away from the body to allow water run-off.

ROLL-UP DOORS

All lower compartment doors shall be equipped with AMDOR brand roll-up doors. The slats shall be 1.00" double wall aluminum with continuous ball and socket hinge joints designed to prevent water ingress and weather tight recessed dual durometer seals.

The interior door curtains shall be smooth to prevent equipment hang-ups. The door tracks and side frames shall each be one-piece aluminum. Each side seal shall be recessed, and non-marring with UV stabilizers to prevent warping.

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The bottom panel flange shall have cut-outs for ease of access with gloved hands. The door strikers shall provide support beneath the lift bar to prevent door curtain bounce and potential false door ajar indications.

LEFT SIDE COMPARTMENT IN FRONT OF REAR WHEELS, L1

There shall be a full height compartment located ahead of the rear wheels on the left side of the apparatus body.

- Dimensions: 29.50" wide x 59.00" high x 22.0" deep.
- Door Opening: 24.626" wide x 45.938" high.
- Useable Depth: 19.6875".

The compartment shall have an Amdor roll up door. The door shall have a satin finish.

COMPARTMENT LIGHT(S)

One (1) 41.00" Luma Bar LED strip light shall be installed inside the compartment. The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

ADJUSTABLE SHELVING TRACKS

There shall be vertically mounted uni-strut shelf trac for shelving installation.

ADJUSTABLE SHELF

There shall be One (1) full depth adjustable shelf/ shelves located in the compartment.

LEFT SIDE ABOVE WHEEL COMPARTMENT, L2

There shall be a standard height compartment located above the rear wheels on the left side of the apparatus body.

- Dimensions: 47.00" wide x 38.00" high x 22.00" deep.
- Door Opening: 44.876" wide x 24.938" high.
- Useable Depth: 19.6875".

The compartment shall have an Amdor roll up door. The door shall have a satin finish.

COMPARTMENT LIGHT(S)

One (1) 21.00" Luma Bar LED strip light shall be installed inside the compartment. The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

ADJUSTABLE SHELVING TRACKS

There shall be vertically mounted uni-strut shelf trac for shelving installation.

ADJUSTABLE SHELF

There shall be One (1) full depth adjustable shelf/ shelves located in the compartment.

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LEFT SIDE COMPARTMENT BEHIND REAR WHEELS, L3

There shall be a standard height compartment located above the rear wheels on the left side of the apparatus body.

- Dimensions: 29.00" wide x 59.00" high x 22.00" deep.
- Door Opening: 23.50" wide x 53.00" high.
- Useable Depth: 19.6875".

The compartment shall have an Amdor roll up door. The door shall have a satin finish.

COMPARTMENT LIGHT(S)

One (1) 41.00" Luma Bar LED strip light shall be installed inside the compartment.

The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

ADJUSTABLE SHELVING TRACKS

There shall be vertically mounted uni-strut shelf trac for shelving installation.

ADJUSTABLE SHELF

There shall be One (1) full depth adjustable shelf/ shelves located in the compartment.

RIGHT SIDE COMPARTMENT IN FRONT OF REAR WHEELS, R1

There shall be a full height compartment located ahead of the rear wheels on the right side of the apparatus body.

- Dimensions: 29.50" wide x 59.00" high x 22.0" deep.
- Door Opening: 24.626" wide x 45.938" high.
- Useable Depth: 19.6875".

The compartment shall have an Amdor roll up door. The door shall have a satin finish.

COMPARTMENT LIGHT(S)

One (1) 41.00" Luma Bar LED strip light shall be installed inside the compartment.

The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

ADJUSTABLE SHELVING TRACKS

There shall be vertically mounted uni-strut shelf trac for shelving installation.

ADJUSTABLE SHELF

There shall be One (1) full depth adjustable shelf/ shelves located in the compartment.

RIGHT SIDE ABOVE WHEEL COMPARTMENT, R2

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There shall be a standard height compartment located above the rear wheels on the right side of the apparatus body.

- Dimensions: 47.00" wide x 38.00" high x 22.00" deep.
- Door Opening: 44.876" wide x 24.938" high.
- Useable Depth: 19.6875".

The compartment shall have an Amdor roll up door. The door shall have a satin finish.

COMPARTMENT LIGHT(S)

One (1) 21.00" Luma Bar LED strip light shall be installed inside the compartment.

The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

ADJUSTABLE SHELVING TRACKS

There shall be vertically mounted uni-strut shelf trac for shelving installation.

ADJUSTABLE SHELF

There shall be One (1) full depth adjustable shelf/ shelves located in the compartment.

RIGHT SIDE COMPARTMENT BEHIND REAR WHEELS, R3

There shall be a standard height compartment located above the rear wheels on the right side of the apparatus body.

- Dimensions: 29.00" wide x 59.00" high x 22.00" deep.
- Door Opening: 21.626" wide x 45.938" high.
- Useable Width: 26.50".
- Useable Depth: 19.6875".

The compartment shall have an Amdor roll up door. The door shall have a satin finish.

COMPARTMENT LIGHT(S)

One (1) 41.00" Luma Bar LED strip light shall be installed inside the compartment.

The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

ADJUSTABLE SHELVING TRACKS

There shall be vertically mounted uni-strut shelf trac for shelving installation.

ADJUSTABLE SHELF

There shall be One (1) full depth adjustable shelf/ shelves located in the compartment.

REAR BODY CONFIGURATION

The rear of the apparatus body shall have a flat back design, with one compartment.

REAR CENTER COMPARTMENT, CR1

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There shall be a compartment located at the rear of the apparatus body.

- Dimensions: 50.00" wide x 28.00" high x 28.00" deep.
- Door Opening: 47.876" wide x 18.125" high.
- Useable Depth: 27.75".

The compartment shall have an Amdor roll up door. The door shall have a satin finish.

COMPARTMENT LIGHT(S)

One (1) 13.00" Luma Bar LED strip light shall be installed inside the compartment.

The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

HOSE BED CONSTRUCTION

The body shall have a bolt together removable hose bed in the upper center section of the body. The floor of the hose bed shall be constructed using 6.00" wide aluminum hose bed slats. Two (2) cross car Unistrut style channels shall be incorporated in the design for divider mounting.

HOSE BED CROSS DIVIDER

The forward 22.00" section of the hose bed shall have a bolt in cross car divider creating a dunnage area for the water and foam tank fill tower(s). The floor of the dunnage area shall be formed aluminum sheet.

HOSE BED DIMENSIONS

The usable hose bed dimensions shall be 49.75" wide x 85.00" long x 15.00" tall.

HOSE BED STORAGE CAPACITY

The hose bed shall be designed to have a storage capacity for a minimum of 34.00 cubic feet of fire hose.

HOSE BED DIVIDER(S)

One (1) fully adjustable hose bed divider panel(s) made of .188" smooth aluminum plate shall be installed lengthwise, in the hose bed. Each shall have a natural mill finish and shall be supported along the full-bottom length with a single-piece aluminum foot extrusion.

There shall be a hand grip cut-out on the trailing edge of each hose bed divider. The cut-out shall be properly dressed to remove sharp edges and specifically sized for use with a gloved hand in adjusting the position of the hose bed divider.

HOSE BED COVER WITH VELCRO FASTENERS

A heavy duty vinyl coated nylon hose bed cover shall be provided to protect the hose load from the weather. The cover shall extend from the front of the hose bed to the rear and then extend downward to cover the exposed rear of the bed and from the left side to the right side of the hose bed.

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The cover shall be secured to the apparatus using velcro on the sides and lift dots on front. The rear of the cover shall be secured to the apparatus using positive mechanical latches.

The hose bed cover shall be Red in color.

HARD SUCTION TRAYS - LEFT SIDE

Two (2) aluminum hard suction trays shall be installed on the top of the compartment on the left hand side of the apparatus.

The suction hose shall be held in place with straps attached to the tray with footman loops.

The suction storage shall have capacity for two (2) 8' sections of hard suction hose.

EXTERIOR LADDER MOUNTING

Exterior ladder mountings shall be provided for the specified ladders over the right side compartments of the apparatus body.

The ladder storage shall have capacity for one (1) aluminum 12 ft. two-section extension ladder.

SCBA BOTTLE COMPARTMENTS

Three (3) SCBA bottle compartments shall be installed in the wheel well area of the body. One (1) shall be installed on the left hand side, and two (2) on the right hand side. Each shall have a Cast Products door assembly. Each compartment shall allow the storage of an SCBA cylinder up to 7.50" in diameter x 22" deep.

FUEL PIPING, CAP, & GUARD

There shall be a fuel filler tub & cap with a Cast Products aluminum door provided to the left side rear wheel. It shall be clearly marked, "ULTRA LOW SULFUR DIESEL FUEL ONLY".

DEISEL EXHAUST FLUID FILL

The diesel exhaust fluid fill shall be located in between the body and the chassis on the left hand side. It shall be labeled "Diesel Exhaust Fluid Only".

FOLDING STEPS - LH SIDE REAR OF BODY

Two (2) Innovative Controls model 3004234 folding steps shall be provided on the left hand side rear of the body. Each step shall have two (2) cast-in handles, that are large enough for use while wearing gloves. The step(s) shall exceed the NFPA requirements for stepping surface and slip resistance. There shall be a barrier material installed between the body surface and the steps.

STEP LIGHTS

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There shall be one (1) LED light incorporated into the folding step assembly above the stepping surface.

The light(s) shall be wired to activate with the parking brake.

EXTERIOR GRAB RAILS

Each grab rail shall be non-slip, 1.25" diameter extruded polished aluminum grab rails with rubber inserts designed to provide maximum gripping ability, strength, and durability. The rails shall comply with NFPA 1901-2009.

GRAB RAILS, REAR STEP, VERTICAL

Two (2) extruded aluminum non-slip grab rails, approximately 18.00" in length, shall be provided and vertically mounted on the rear of the apparatus, one (1) on each side of the body.

== 12V ELECTRICAL SYSTEM - FOUTS 4 - 7.000 02/14/22 ==

12 VOLT ELECTRICAL SYSTEM

The truck shall have a 12-Volt electrical system.

All wiring will be run in convoluted high temperature plastic loom. Wiring shall be color and function coded and will be of adequate size to handle the assigned load. All solenoids, relays, and terminal blocks will be located in an easily accessible area.

All circuits provided shall have properly rated low voltage over current protective devices.

All wiring shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for the protected circuit. Voltage drops in all wiring from the power source to the using device shall not exceed 10 percent. The wiring and 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. All exposed wiring shall be protected in a loom with a minimum 289 degree Fahrenheit rating. All wiring looms shall be properly supported and attached to body members. The electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction.

All under side terminal junctions shall be fully enclosed in sealed plastic weather proof boxes.

Electromagnetic interference suppression shall be provided as required to satisfy the radiation limits specified in SAE J551/1.

NFPA 1901 CERTIFIED 12 VOLT ELECTRICAL SYSTEM

The 12-volt apparatus body electrical system shall be provided and shall be in compliance with NFPA 1901 testing and certification procedures as follows:

NFPA MINIMUM ELECTRICAL LOAD DEFINITION

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The NFPA 1901 defined minimum electrical load shall consist of the total amperage required to simultaneously operate the following in a stationary mode:

1. Propulsion engine and transmission.
2. The clearance and marker lights.
3. Communication equipment. 5 amp default.
4. Illumination of all walking surfaces, the ground at all egress points, control and instrumentation panels and 50% of total compartment lighting.
5. Minimum warning lights required for "blocking right of way" mode.
6. The current to simultaneously operate and fire pump and all specified electrical devices.
7. Anything defined by the purchaser, in the advertised specifications, to be critical to the mission of the apparatus.

RESERVE CAPACITY TEST

The first electrical test to be performed will be the Reserve Capacity Test. All items listed in NFPA Minimum Load Definition shall be activated with the engine shut off. After 10 minutes of operation, the items 1-7 shall be deactivated. After deactivation, the battery system shall have ample reserve to start the engine.

ALTERNATOR PERFORMANCE TEST AT IDLE

The second electrical test to be performed shall be Alternator Performance Test at Full Load. All electrical loads shall be activated with the engine running up to the governed rpm for two hours. During the test, the system voltage shall not drop below 11.7 volts or have excessive battery discharge for more than 120 seconds. Any loads not defined in the NFPA Minimum Electrical Load may be load managed to pass test.

TEST CONDITIONS

All electrical testing shall be performed with the engine compartment at approximately 200 degrees.

UNDERBODY/CAB GROUND LIGHTS

LED ground illumination lights, with outward facing angle brackets shall be provided and installed in the following locations:

CHASSIS GROUND LIGHTS

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Four (4) LED ground lights with outward facing angle brackets shall be installed, one (1) under each chassis door.

FRONT OF BODY GROUND LIGHTS

Two (2) LED ground lights with outward facing angle brackets shall be installed under the front of the body. One (1) light shall be located on the driver side and one (1) light shall be located on the officer side of the apparatus.

REAR STEP GROUND LIGHTS

Two (2) LED ground lights with outward facing angle brackets shall be installed under the rear step of the apparatus, one (1) each side.

GROUND LIGHT SWITCHING

The cab and body ground lights shall activate by engaging the parking brake.

HAZARD LIGHT

One (1) flashing red LED light, located in the driving compartment, the light shall be illuminated automatically whenever any compartment door is ajar.

The hazard light shall be marked with a sign that reads "Do Not Move Apparatus When Light is On".

The warning light shall be interlocked to the parking brake and shall only alert the driver when the parking brake is released. The light shall also be used to signal that other ancillary equipment such as racks light towers etc. are not in their "ready for transport" position.

REAR DIRECTIONALS

Rear directional lighting shall be supplied as follows:

Two (2) Whelen model M62BTT LED brake/tail lights shall be installed on the rear of the body. Each light shall have a red lens.

Two (2) Whelen model M62T Amber LED turn signal lights shall be installed on the rear of the body. Each light shall have a color lens.

Two (2) Whelen model M62BU LED reverse lights shall be installed on the rear of the body.

HOUSINGS FOR DIRECTIONALS

The two (2) sets of Whelen rear signal lights shall each be housed in a vertical chrome plated housing, designed to hold four (4) lights each. The fourth opening shall be for the lower rear warning lights. The lights shall be mounted in order, from top to bottom, as described above.

DOT MARKER LIGHTS AND REFLECTORS

LED marker lights shall be installed on the vehicle in conformance to the Department of Transportation requirements. All marker lights shall be incorporated into the headlight circuit of the cab/chassis.

The side body panels shall be furnished with marker lights installed as follows:

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- Four (4) 0.75" amber LED marker lights, one (1) on each side at front top corner of body.
- Four (4) 0.75" red LED marker lights, one (1) on each side at rear top corner of body.

The rear body panel, centered above the bumper, shall be furnished with marker lights installed as follows:

- Three (3) 0.75" red LED marker lights, as close as practical to the vertical centerline. Centers spaced not less than 6.00" or more than 12.00" apart.

Four (4) red reflectors shall be provided on the apparatus rear, one (1) each side and two (2) on the rear.

LICENSE PLATE LIGHT

A license plate bracket with LED light shall be provided and installed on the rear of the body. It shall be wired to come on with the headlights.

TRAFFIC ADVISER WARNING LIGHT

One (1) Whelen LED "Traffic Advisor", model TAL85 48.00", rear directional light shall be installed. The light shall be equipped with eight (8) lamps. The traffic advisor shall be activated by the Whelen TACTL5 control head. The control head shall be conveniently located near the driver's position.

The traffic advisor shall be surface mounted at the rear of the apparatus body. It shall be located as close to the centerline of the body as possible.

SIDE FACING UPPER FRONT BODY SCENE LIGHTS

One (1) pair of Whelen M6 Series LED scene lights shall be installed, one (1) each side of the upper front portion of the apparatus body.

The driver side scene light shall be a Whelen model M6ZC.

The officer side scene light shall be a Whelen model M6ZC.

Each light shall be mounted with a Whelen Model M6FC chrome flange.

SIDE FACING UPPER REAR BODY SCENE LIGHTS

One (1) pair of Whelen M6 Series LED scene lights shall be installed, one (1) each side of the upper rear portion of the apparatus body.

The driver side scene light shall be a Whelen model M6ZC.

The officer side scene light shall be a Whelen model M6ZC.

Each light shall be mounted with a Whelen Model M6FC chrome flange.

UPPER REAR BODY SCENE LIGHTS

One (1) pair of Whelen M6 Series LED scene lights shall be installed, one (1) each side of the upper rear portion of the apparatus body.

The driver side scene light shall be a Whelen model M6ZC.

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The officer side scene light shall be a Whelen model M6ZC.
Each light shall be mounted with a Whelen Model M6FC chrome flange.

SCENE LIGHT SWITCHING

One (1) rocker switch with indicator shall be installed on the switch panel in the cab to control the left side scene light(s). The switch shall be labeled "LEFT SCENE".

SCENE LIGHT SWITCHING

One (1) rocker switch with indicator shall be installed on the switch panel in the cab to control the rear scene light(s). The switch shall be labeled "REAR SCENE".

SCENE LIGHT SWITCHING

One (1) rocker switch with indicator shall be installed on the switch panel in the cab to control the right side scene light(s). The switch shall be labeled "RIGHT SCENE".

DUAL FUNCTION SCENE LIGHT(S)

The rear scene lights shall activate automatically upon placing the transmission into reverse.

REAR VISION SYSTEM

One (1) complete backup camera system shall be provided. There shall be (1) camera located at the rear of the apparatus as close to the centerline as possible. The camera shall be capable of viewing the entire area not visible in the side view mirrors. The camera shall have a 7.00" color display mounted in view of the driver. The system shall include audio transmission from the camera.

The rear vision camera shall be wired to automatically activate when the chassis transmission is placed in reverse.

The monitor for the rear vision system shall be mounted in place of the rear view mirror.

NFPA AUDIBLE AND LIGHTING WARNING PACKAGE

The following warning light package shall include all of the minimum warning light and actuation requirements for the current revision of the NFPA 1901/ 1906. The lighting as specified shall meet the requirements for both "Clearing Right of Way" and "Blocking Right of Way" which includes disabling all white warning lights when the apparatus is in "Blocking Right of Way" mode.

WARNING LIGHT FLASH PATTERN

All of the perimeter warning lights shall be set to the default NFPA flash pattern as provided by the warning light manufacturer.

LIGHTBAR

One (1) Federal Light bar 53" Vision SI.R

LIGHT BAR SWITCHING

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One (1) momentary rocker switch with indicator shall be installed on the switch panel in the cab to control the light bar. The switch shall be labeled "LIGHT BAR". The switch shall only be active when the master warning switch is engaged.

SIDE FACING UPPER FRONT BODY WARNING LIGHTS

One (1) pair of Whelen model M6 series LED warning lights shall be installed, one (1) each side of the upper front portion of the apparatus body.

The driver side warning light shall be a Whelen Model M6RC red Super-LED with clear lens.

The officer side warning light shall be a Whelen Model M6RC red Super-LED with clear lens.

Each light shall be mounted with a Whelen Model M6FC chrome flange.

SIDE FACING UPPER REAR BODY WARNING LIGHTS

One (1) pair of Whelen model M6 series LED warning lights shall be installed, one (1) each side of the upper rear portion of the apparatus body.

The driver side warning light shall be a Whelen Model M6RC red Super-LED with clear lens.

The officer side warning light shall be a Whelen Model M6RC red Super-LED with clear lens.

Each light shall be mounted with a Whelen Model M6FC chrome flange.

UPPER REAR BODY WARNING LIGHTS

One (1) pair of Whelen model M6 series LED warning lights shall be installed, one (1) each side of the upper rear of the apparatus body.

The driver side warning light shall be a Whelen Model M6RC red Super-LED with clear lens.

The officer side warning light shall be a Whelen Model M6RC red Super-LED with clear lens.

Each light shall be mounted with a Whelen Model M6FC chrome flange.

UPPER WARNING LIGHT SWITCHING

One (1) rocker switch with indicator shall be installed on the switch panel in the cab to control the upper warning lights. The switch shall be labeled "UPPER WARNING". The switch shall only be active when the master warning switch is engaged.

LOWER FRONT WARNING LIGHTS

One (1) pair of Whelen model M4 Series LED warning lights shall be installed, one (1) each side one the front of the chassis cab.

The driver side warning light shall be a Whelen Model M4RC red LED with clear lens.

The officer side warning light shall be a Whelen Model M4RC red LED with clear lens.

Each light shall be mounted with a Whelen Model M4FC chrome flange.

LOWER INTERSECTION WARNING LIGHTS

One (1) pair of Whelen model M4 LED warning lights shall be installed, one (1) each side of the chassis cab.

The driver side warning light shall be a Whelen Model M4RC red LED with clear lens.

The officer side warning light shall be a Whelen Model M4RC red LED with clear lens.

Each light shall be mounted with a Whelen Model M4FC chrome flange.

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LOWER MID-BODY WARNING LIGHTS

One (1) pair of Whelen model M7 Series LED warning lights shall be installed, one (1) each side of the apparatus, mid-body.

The driver side warning light shall be a Whelen Model M7RC red Super-LED with clear lens.

The officer side warning light shall be a Whelen Model M7RC red Super-LED with clear lens.

Each light shall be mounted with a Whelen Model M7FC chrome flange.

LOWER REAR WARNING LIGHTS

One (1) pair of Whelen model M6 Series LED warning lights shall be installed, one (1) each side of the lower rear of the apparatus body.

The driver side warning light shall be a Whelen Model M6RC red Super-LED with clear lens.

The officer side warning light shall be a Whelen Model M6RC red Super-LED with clear lens.

The warning lights on the rear of the body shall be mounted in lower section of each tail light casting.

LOWER WARNING LIGHT SWITCHING

One (1) momentary rocker switch with indicator shall be installed on the switch panel in the cab to control the lower warning lights. The switch shall be labeled "LOWER WARNING". The switch shall only be active when the master warning switch is engaged.

ELECTRIC SIREN AND CONTROL

One (1) Whelen model #295SLSA1 electronic siren shall be mounted in the cab. This unit shall feature an electronic air horn, wail, yelp, hi-lo and shall have a hard wired PA microphone.

ELECTRONIC SIREN SPEAKER

One (1) Whelen model SA315P 100 watt speaker shall be provided. The speaker shall produce a minimum sound output of 120 dB at 10 feet to meet current NFPA 1901/1906 requirements.

The speaker shall be located on the right hand side of the bumper.

SIREN NOISE WARNING LABEL - FAMA# 42

A permanent label shall be provided inside the driver's door warning of potential injury that could be received from the noise of the siren. The label shall also state safety precautions that should be taken when the siren is in use.

== PAINT/ PREP/ STRIPE - FOUTS 4 - 7.000 02/14/22 ==

PAINT PROCESS

The body shall be totally removed from the chassis during the painting process to insure the entire unit is covered.

The body and all parts shall be thoroughly washed with a grease cutting solvent PPG436 prior to any sanding. After the body has been sanded, it shall be washed again with PPG436 to remove any contaminants on the surface.

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CHASSIS PAINT

The chassis shall be painted by the OEM Chassis Manufacturer.

PAINT FINISH

The body shall be painted with a PPG Delfleet Evolution Paint System.

As part of the curing process the painted body shall go through a baking process. The painted components shall be baked at 185 degrees for 3 hours to achieve a complete coating cure on the finished product.

After bake and ample cool down time, the coated surface shall be sanded using 3M 1000, 1200, and or 1500 grit sandpaper to remove surface defects. In the final step, the surface shall be buffed with 3M Super-duty compound to add extra shine to coated surface. No more than .5 mil shall be removed in this process.

All products and technicians shall be certified by PPG every two (2) years.

ANTI-CORROSION PROTECTION

Where dissimilar metals must be joined, overlaid, share perforations or otherwise come in contact with each other to achieve construction, performance or aesthetic requirements, such items shall be separated by a continuous contact, nonconductive coating or film to prevent or otherwise mitigate the effects of electrolysis. Only stainless-steel hardware and fasteners shall be used in the construction of the apparatus. Where stainless steel fasteners pass through an aluminum component, the fastener contact surfaces, including the head, washer and nut shall be coated with ECK anti-corrosion material.

BODY UNDERCOATING

The body underside, including the sub-frame and the inside of the wheel wells, NOT THE WHEEL WELL LINERS, shall be thoroughly coated with SWT commercial automotive undercoat and sound deadening material to protect the body module against corrosion. The coating shall be black and shall be tested to ASTM B117 Salt Spray test for 1,000 hours at 10-mils.

SIDE COMPARTMENT FINISH, ZOLATONE

The apparatus side compartment interiors are to be coated with Zolatone, a polychromatic, modified nitrocellulose coating with a flat background color with accenting fleck colors. The compartments shall be cleaned with a grease remover, and then the surface sanded and prepared for painting. The Zolatone finish is washed and waxed like paint, and is resistant to man solvents and wear.

PAINT COLOR

The apparatus body paint shall be "cross referenced" from the chassis paint, and shall be painted to match the main chassis color as close as possible.

WHEEL RIMS

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The chassis wheels shall be as furnished by the chassis OEM. No additional finishes shall be provided by apparatus manufacturer.

CHEVRON STRIPING

At least 50% of the rear of the unit shall be covered with Red and fluorescent Yellow-Green alternating 6.00" stripe in an inverted Chevron pattern.

REFLECTIVE LETTERING - PURCHASER SUPPLIED

Reflective lettering shall be installed by the purchaser.

FOUTS BROS. LOGO PLATE(S)

Three (3) Fouts Bros. logo plate(s) will be affixed to the finished apparatus.

== LOOSE EQUIPMENT - FOUTS 4 - 7.000 02/14/22 ==

One (1) 12 foot, Alco-Lite model# PEL-12, two (2) section aluminum extension Ladder shall be supplied with the finished apparatus.

== WARRANTY- FOUTS 4 - 7.000 02/14/22 ==

ONE YEAR APPARATUS WARRANTY

The complete apparatus detailed herein shall be warranted against defects in materials and workmanship for a period of twelve (12) months, effective upon pick up or delivery of the completed apparatus to the purchaser, as detailed in the respective warranty documents. Any unauthorized alterations or modifications to the apparatus shall void this warranty.

Other warranties, as provided by individual component manufacturers may extend beyond this warranty.

APPARATUS BODY WARRANTY, TEN YEAR

The apparatus body shall have a structural warranty, including panels and sub-frame, against bending, cracking, twisting or otherwise deforming for a period of ten (10) years, effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the body shall void this warranty.

PLUMBING WARRANTY, TEN YEAR

A Stainless Steel Plumbing/Piping warranty shall be provided by the apparatus manufacturer for products of its manufacture to be free from defects in material and workmanship, under normal use and service, for a period of ten (10) years effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the plumbing shall void this warranty.

PAINT WARRANTY, FIVE YEAR

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The finish paint as used on the proposed apparatus shall be warranted against defects in materials and workmanship for a prorated period of five (5) years, effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the apparatus shall void this warranty.

APPARATUS ELECTRICAL WARRANTY, TWO YEAR

The apparatus electrical system as detailed herein shall have an electrical warranty against defects in materials and workmanship for a period of two (2) years, effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the electrical system shall void this warranty.

AKRON BRASS WARRANTY

The Akron Brass valves shall be warranted by Akron Brass for a period of ten (10) years from the date of delivery. The warranty for electronics shall be warranted by Akron Brass for a period of five (5) years from date of delivery.

WHELEN WARNING LIGHT / SIREN WARRANTY

Whelen products shall be covered by a direct warranty for up to a maximum two (2) years from date of purchase (not to exceed three (3) years from date of manufacture), with proof of purchase. Whelen siren speakers, when used with a Whelen siren amplifier, are covered by a two (2) year warranty from the date of manufacture. Heavy-Duty motor assemblies (so marked) are covered by a direct warranty for up to three (3) years from date of manufacture.

WHELEN HDP / 5 YEAR WARRANTY

Whelen Automotive Non-Lightbar Strobe Power Supplies, LED Ballasts and LED Products bearing the official HDP label and manufactured to HDP standards shall be covered by a direct warranty for up to five (5) years from date of manufacture.

WHELEN LIMITED LIFETIME WARRANTY

The following Whelen products shall be covered by a lifetime warranty.

Freedom Series Lightbars, M-Series Lights, L31 Series, B6 Series, Micro Freedom Series, Pioneer Scene Lighting (Excluded Pioneer Life), PSTANK2.

KUSSMAUL ELECTRONICS WARRANTY

All products manufactured by Kussmaul Electronics Company Inc. are warranted to be free of defects in material and/or workmanship. Kussmaul Electronics shall repair or replace without charge, any material or defects which become apparent in normal use within the specified warranty period.

All Electronic items are warranted for three (3) years
Auto and Air Ejects are warranted for two (2) years
Auto Pumps are warranted for one (1) year

Fouts Bros Fire Equipment