



Shop Order

HENDRICKSON FIRE RESCUE
EQUIPMENT
140 HOFFMAN LN.
ISLANDIA, NY 11749

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Exp. Date: 06/22/2023
Quote No: 10189-0002
Job/Order No: 7283
PUMPER: FMP-35-100 Custom Pumper - Extruded / Modular
LEGALs: FFA-00-300 Legals - Pumpers (1022V1)
CHASS-CUSM: FCH-30-100 Chassis - Custom Tilt Cab
CHASS-MODS: FCM-10-300 Chassis Modifications - Custom
PUMP-ENC: FPE-20-100 Pump Enclosure - Side Mount
BODY: FBP-33-200 Body - Extruded Pumper (500-1250 Gallons)
BODY-CMNT: FBC-30-100 Body Components - Pumpers
ELE-CMPNT: FEC-30-200 Elec. Components - Pumper Custom
PAINT: FPC-10-200 Paint - Extruded Bodies
WRNTY-MNLS: FWM-50-100 Warranty / Manuals - Pumpers Custom
EQUIPMENT: FEP-30-100 Loose Equipment Pkg. - Pumper
ADMN-PROMO: FPA-10-000 Administration

08/10/2023

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PART NO	S	DESCRIPTION	QTY	ID
		== Legals - Pumpers (1022V1) - 1022.001 10/01/22 ==		FE
00-02-2420		Proposal Response (Pumper)	1	FE
00-06-0420		Payment Terms: Ferrara Standard	1	FE
00-12-0220		Single Source Manufacturer	1	FE
00-12-0420		Manufacturer - Virtual	1	FE
00-12-0620		Principal Dimensions	1	FE
		The apparatus shall have the following dimensions:		
		Overall Length: ~31' 9-1/4" (32' 0" Max)		
		Overall Height: ~9' 6" (9' 8" Max)		
		Wheelbase: ~188"		
		Cab to Axle: ~126"		
00-12-0820		Certified Welders	1	FE
00-14-0220		Drawings - Proposal	1	FE
00-14-0620		Drawings - Approval	1	FE
00-18-1020		Vehicle Transportation - Fire Department Supplied	1	FE
00-18-2020	<	Delivery Time - Pumpers / Tankers	1	FE
		The pumper / tanker apparatus will be delivered within 650 normal working days after receipt of the signed off approval package.		
		The manufacturer will not be held liable for changes arising from its failure to make or		

PART NO	S	DESCRIPTION	QTY	ID
		delay in making delivery because of fire, flood, strike, riot, supply chain, work force shortages, accidents, acts of God or any circumstances beyond our control.		
00-18-2820		Vehicle Familiarization & Demonstration	1	FE
00-22-0220		Service Contacts	1	FE
00-22-0620		Company Service Vehicles	1	FE
00-22-0820		Replacement Parts	1	FE
		== Chassis - Custom Tilt Cab - 1022.001 10/01/22 ==		FE
00-D2-0420		Custom XD Full Tilt Cab - Cinder	1	FE
		WHEELBASE / FRAMERAILS / COMPONENTS / ACCESSORIES		FE
02-A2-0220		Wheelbase	1	FE
		The chassis wheelbase will be 188 inches.		
02-A4-0420		Frame Rails - Double	1	FE
02-A4-2420		Paint - Frame Rail, Hot Dipped Galvanized	1	FE
02-A6-1420		Tow Hooks - Chrome, Below the Bumper	1	FE
		FRONT BUMPERS / COMPONENTS / ACCESSORIES		FE
02-B2-1020		Front Bumper - 10-1/2" High, HD Frame Rail Style	1	FE
		The bumper will be painted job color.		
02-B2-2020		Bumper Notch - Q2 Siren Mounting	1	FE
		The Q2B bumper notch shall be located on the officer's side of the front bumper in position P1.		
02-B2-2220		Front Bumper Feature Position	1	FE
02-B4-0220		Recessed Pockets (2) - Front Bumper Sides	1	FE
02-B4-1620		Dock Bumpers (2) - Front Bumper	1	FE
02-C4-1420		Front Bumper Extension - 18"	1	FE
02-D2-0220		Gravelshield - Front Bumper Extension	1	FE
02-D4-0620		Compartment - Front Bumper, Center	1	FE
		Note: The compartment shall be as long and wide as possible, and shall not exceed the depth of the front bumper.		
02-E4-0420		Restraining Strap - Center Compartment	1	FE
02-M2-0220		Mechanical Siren - Federal Q2B, Surface Mounted	1	FE
		The siren will be surface mounted on the front bumper in position P1.		
		The siren brake switch will be located within reach of the driver.		
02-M8-0220		Siren Wiring - Active in Response Mode Only	1	FE
02-M8-1020		Switches - Siren (2), Driver/Officer Side Floor	1	FE
02-P2-0220	<	Air Horn - Driver's Side Thru Bumper, Hadley Round E-Tone	1	FE
		The air horn will be located on the driver's side of the front bumper in position P6.		
02-P2-0420	<	Air Horn - Passenger's Side Thru Bumper, Hadley Round E-Tone	1	FE
		The air horn will be located on the passenger's side of the front bumper in position P2.		
02-P6-0220		Switch - Air Horn, Driver's Side Floor	1	FE
02-P8-0420		Air Horn Wiring - Active All Modes	1	FE
02-P8-0820		Switch - Horn / Horn Selector	1	FE
		There will be a horn / air horn selector switch installed in the cab per the approved dash		

PART NO	S	DESCRIPTION	QTY	ID
		layouts to operate either air horn(s) or chassis electric horn through the horn ring button.		
02-R4-1420		Siren Speaker - Federal ES100-EF	1	FE
		The speaker will be located on the driver's side of the front bumper in position P7.		
		FRONT AXLES / COMPONENTS / ACCESSORIES		FE
04-A2-0420		Front Axle - 20,000 Pounds, Hendrickson Steertek	1	FE
04-A6-0820		Steering System - Sheppard, 18,000 to 24,000 Pounds	1	FE
04-A8-0220		Chassis Alignment	1	FE
04-B2-0420		Front Suspension - 20,000 Pounds, Hendrickson Steertek	1	FE
04-C2-0620		Front Brakes - Disc, Meritor EX-225	1	FE
04-C4-0820		Cramp Angle - 45 Degrees	1	FE
04-D4-0620		Front Tires - Michelin 385/65R 22.5 "L" 20,000 Pounds (All Weather Tread)	1	FE
04-E2-2420		Front Wheels - 22-1/2" x 12-1/4", Alcoa Aluminum	1	FE
04-E4-0220		Wheel Trim - Front, Baby Moons / Lug Nut Covers	1	FE
04-E4-2020		Mud Flaps - Front	1	FE
		SINGLE REAR AXLES / COMPONENTS / ACCESSORIES		FE
04-G2-0420		Rear Axle - 27,000 Pounds, Meritor RS-25-160	1	FE
04-K2-8020		Rear Suspension - 27,000 Pounds, Spring	1	FE
04-M2-0220		Standard Differential - Single Axle	1	FE
04-M6-0820		Vehicle Top Speed: 65-68 MPH	1	FE
04-P2-0220		Rear Brakes - S-Cam 16-1/2" x 7"	1	FE
04-R4-0620		Rear Tires - Michelin 12R22.5 "H" 27,000 Pounds (Highway Tread)	1	FE
04-S2-2020		Rear Wheels - 22-1/2" x 8-1/4", Alcoa Aluminum	1	FE
04-S2-6020		Wheel Trim - Rear, High Hat Covers / Lug Nut Covers	1	FE
04-S6-1220		Tire Pressure Monitor (Single Rear Axles) - LED Alert	1	FE
		AIR BRAKE SYSTEM / COMPONENTS		FE
06-A2-0220		Harness and Hose Routing System	1	FE
06-A2-0420		Air Brake System - Color Coded Nylon w/1/4 Turn Drain Valves	1	FE
06-A2-4020		Chassis Air System Fittings - Push-Lock Type	1	FE
06-A2-6020		Air Compressor - Wabco 18.7 CFM	1	FE
06-A4-4020		ABS/ATC/ESC System - SINGLE AXLE	1	FE
06-B4-2020		Air Dryer - Bendix AD-9	1	FE
		ENGINES / COMPONENTS / ACCESSORIES		FE
08-A2-1020		Engine - 450 HP, Cummins L9 (MY2022)	1	FE
08-B2-0620		Engine Brake - Cummins L Series Engines	1	FE
		ENGINE / COMPONENTS / COOLING SYSTEM - L SERIES		FE
		ENGINES		
08-C2-0420		Cooling System - 1400 Square Inch Radiator	1	FE
08-C2-1420		Cooling System Fan - Cummins L Series Engines	1	FE
08-C2-2620		Radiator Coolant - Extended Life	1	FE
08-C2-4220		Coolant Hoses - Premium Rubber	1	FE
08-C2-4420		Coolant Hose Clamps - Gates PowerGrip	1	FE
08-C2-6020		Auxiliary Engine Cooler	1	FE
		ENGINE / COMPONENTS / CHARGING SYSTEMS		FE
08-D2-2220		Alternator - 430 AMP, Delco Remy 55SI	1	FE
08-E2-0420		Battery System (4) - Exide (750 CCA Each)	1	FE
08-E4-0220		Battery Boxes - Stainless Steel	1	FE

PART NO	S	DESCRIPTION	QTY	ID
08-E4-4220		Battery Jumper Studs	1	FE
08-E4-6620		Termination Point - Driver's Step Area	1	FE
08-E6-0220		Battery Master Load Disconnect	1	FE
08-E8-4420		Battery / Air Charger - Pump Plus 1200, Kussmaul 52-21-1100	1	FE
08-G4-2020		Receptacle - 20 AMP, Kussmaul Super Auto-Eject 091-55-20-120	1	FE
08-G4-4020		Receptacle Location - Driver's Side Cab Wheel Well Area	1	FE
08-G6-0230		Cover - Super Auto Eject Yellow, Kussmaul 091-55-234-YW w/Bar Graph Display	1	FE
08-G8-8220		Plate - Shore Power Inlet	1	FE
TRANSMISSION / COMPONENTS / ACCESSORIES				FE
10-A2-0220	>	Transmission - Allison 3000 EVS	1	FE
10-A4-0620		Transmission Push Button Shifter - 5 Speed	1	FE
10-H2-0220		Drive line - 1710 Series	1	FE
10-H4-1820		Fire Pump Installation	1	FE
FUEL SYSTEM / COMPONENTS - L SERIES ENGINES				FE
10-J2-0620		Fuel Tank - 65 Gallon	1	FE
10-J4-0220		Fuel Lines - Reinforced Wire Braided	1	FE
10-J4-0620		Fuel Re-Prime Pump - Electric	1	FE
10-J4-2020		Fuel Water Separator - Primary Filter	1	FE
10-J4-2620		Fuel Filter - Secondary Filter	1	FE
10-J6-0820		DEF System w/5 Gallon Tank - Left Rear Under Cab	1	FE
10-J8-2020		DEF Fill w/Door - Left Crew Cab Extension	1	FE
10-M2-0820		Exhaust System - EPA 2022	1	FE
CAB CONFIGURATIONS - CINDER XD - SMFD thru LFD				FE
12-C2-0220		Custom Cab - Ferrara Extreme Duty	1	FE
12-C4-2220	>	Custom Cab - Ferrara XD 96 XMFD	1	FE
12-C6-0820		Cab Roof - 8" Raised	1	FE
12-P2-1020		Cab Doors - Full Length, 4 Door Raised Roof Cab	1	FE
12-P4-0220		Cab Door Hinges - Piano	1	FE
12-P6-0820		Cab Door Locks - Manual Paddle Type (4 Door Cab)	1	FE
12-P8-1020		Window Regulators - Electric (4 Door Cab)	1	FE
12-R2-0620		Window - Left Side Fixed, 16-1/2"W x 33-1/2"H	1	FE
12-R2-0820		Window - Right Side Fixed, 16-1/2"W x 33-1/2"H	1	FE
12-R4-0420		Cab Tilt Lock Suspension (Full Tilt Cab)	1	FE
12-R4-2220		Cab Tilt Electric Pump w/Manual Back-Up (Standard Location)	1	FE
CUSTOM CAB - EXTERIOR TRIM COMPONENTS				FE
14-A2-0420		Front Grille - Stainless Steel	1	FE
14-A2-1820		Front Grille Logo - Ferrara/Lighted	1	FE
14-A2-6220		Side Grille w/Ember Separator - Notched Right Side	1	FE
14-A4-0620		Cab Mirrors - Heated/Remote, Velvac Stainless Steel	1	FE
14-A6-0220		Exterior Trim - Cab Handrails, Knurled Stainless Steel	1	FE
14-A6-1620		Fenderettes - Polished Stainless Steel	1	FE
14-A6-2020		Exterior Trim - Rear Step Well w/Removable Battery Access Covers	1	FE
14-A6-8220		Exterior Trim - Tread Plate, Back of Cab	1	FE
14-A8-0220		Exterior Trim - Tread Plate, Cab Roof	1	FE
CUSTOM CAB - INTERIOR TRIM COMPONENTS				FE
14-G2-1020		Corrosion Protection/Sound Deadening - "F-Shield"	1	FE
14-G4-0620		Interior Cab Finish - "F-Shield" Black	1	FE
14-G4-2420		Interior Trim - Black Floor Mats/Engine Tunnel Covering	1	FE
14-G4-6420		Interior Trim - Sprayed Aluminum, Rear Wall	1	FE

PART NO	S	DESCRIPTION	QTY	ID
14-G6-0420		Interior Trim - Grab Handles (4 Door Cab)	1	FE
14-G6-4020		Interior Trim - Officer's Dash, Glove Box	1	FE
14-G6-6020		Interior Trim - Sun Visors (3)	1	FE
14-H2-0820		Interior Trim - Upper Door Panels "F-Shield" (4 Door Cab)	1	FE
14-H2-4220		Interior Trim - Lower Door Panels "F-Shield" (4 Door Cab)	1	FE
14-H4-1220		Interior Trim - Lower Door Panels Reflective Stop Sign (4 Door Cab)	1	FE
14-H4-2220		Interior Trim - Mounting Plate, Engine Tunnel	1	FE
		CUSTOM CAB - INSTRUMENTS AND CONTROLS		FE
14-K2-0420		Cab Instrumentation & Controls - Standard Gauges	1	FE
14-K2-0620		Driver's Information Display Panel	1	FE
14-K2-0810		Electrical System - Chassis, E2020	1	FE
14-K2-2020		Doghouse Mounted Switch Panel - Ferrara XD Aluminum	1	FE
14-K4-4020		Steering Column w/Self Canceling Turn Signals - Douglas	1	FE
14-P2-1620		Heat/Air Conditioning - Under Dash and Rear Crew Area (L Series Engines)	1	FE
14-P2-2420		A/C Condenser Housings: Black	1	FE
		CUSTOM CAB / SEATING / AIR BAG PROTECTION / EMS		FE
		COMPARTMENTS		
16-A2-4020		Seating / EMS Compartments - Valor	1	FE
16-A8-0820		Seat Material - VALORTech XD	1	FE
16-A8-1420		Seat Color - Black	1	FE
16-A8-4820		Seat Belts - ABTS w/Dual Retractors & Ready Reach	1	FE
16-A8-6220		SCBA Seats Brackets - Ziamatic ULLH	5	FE
16-A8-8020		No Filler Panels Required	1	FE
16-B4-6420		Seat - Driver, USSC Valor Air Suspension Base (G2ELP)	1	FE
16-B4-8620		Seat - Officer, USSC Valor Fixed Base/SCBA	1	FE
16-B4-9020		Compartment Under Officer's Seat	1	FE
16-C2-2420		Seat - DS Rear Facing Crew, USSC Valor Fixed Base/SCBA	1	FE
16-D2-2420		Seat - OS Rear Facing Crew, USSC Valor Fixed Base/SCBA	1	FE
16-E2-6220		Seats (2) - IB Forward Facing Crew, USSC Valor Fixed Base/SCBA	1	FE
		CUSTOM CAB - ACCESSORIES		FE
16-M2-0620		Accessory Panel - Blue Sea 4365	1	FE
16-M2-0820		Fuse Block - 12-Volt 6-Place, Blue Sea 5025	1	FE
		Location: Officer's side of the engine tunnel, behind the officer's seat.		
16-M2-2220		Radio - WB/AM/FM/CD/iPod/Sat w/Speakers, Jensen	1	FE
16-M2-2920		Radio Antenna Mount / Wiring - NMO	1	FE
16-M2-4020		Radio 12-Volt Power Circuit	1	FE
		Location:		
16-M2-6020		Accessory Power & Ground Stud	1	FE
16-M4-0620		Electronic Siren - Federal PA-300	1	FE
16-M6-0620		Electric Horn - Single	1	FE
16-M6-2020		Back Up Alarm - NFPA Compliant	1	FE
		CUSTOM CAB - INTERIOR LIGHTING		FE
16-P2-0220		Lights (4) - LED Cab Dome, 6" Red/Clear Whelen 60CREGCS	1	FE
16-P2-2420		Light - Open Door w/Alarm, Whelen TIR3 LED	1	FE
16-P4-0220		Lights (6) - Step Well, LED	1	FE
16-R4-0420		Lights (2) - Engine Maintenance, LED	1	FE
		CUSTOM CAB - EXTERIOR ILLUMINATION		FE
18-A2-0620		Front Cab Lighting - Whelen "M" Series LED	1	FE

PART NO	S	DESCRIPTION	QTY	ID
18-A4-0830		Headlights - LED, FireTech FT-4X6-4KIT	1	FE
18-A4-2820		Daytime Running Lights w/Alternating Flashing	1	FE
18-A6-0425		Lights (2) - Turn Signal, Whelen "M" Series LED (Headlight Module Mounted)	1	FE
18-A6-1220		Lights (2) - Turn Signal/Marker, Whelen 400 Series LED	1	FE
18-A6-6020		Lights (2) - Cornering, LED	1	FE
18-A6-6220		Lights - DOT, LED	1	FE
18-B4-1020		Lights (2) - Inboard Lower Front Warning, Whelen M6R LED (Red)	1	FE
18-D2-0820		Lights (4) - LED Cab Ground	1	FE
AUDIO / VISUAL COMMUNICATION SYSTEMS				FE
18-M2-0420		Camera/Video System - Fire Research inView360 SNB100-C00	1	FE
18-M2-0620		Monitor - 7" Color, Fire Research SNB1option-MH0	1	FE
		The monitor will be located in the left front cab corner.		
== Chassis Modifications - Custom - 1022.001 10/01/22 ==				FE
NFPA SAFETY SIGNS				FE
18-P2-0220		Safety Signs - General Requirements	1	FE
18-P2-0420		Safety Signs - Battery Explosion, FAMA01	1	FE
18-P2-0620		Safety Signs - Rotating Shafts, FAMA02	1	FE
18-P2-0820		Safety Signs - Hot Surfaces, FAMA03	1	FE
18-P2-1020		Safety Sign - Hot Exhaust, FAMA04	1	FE
18-P2-1220		Safety Sign - Spinning Fan, FAMA05	1	FE
18-P2-1420		Safety Signs - Seated & Belted, FAMA07	1	FE
18-P2-1620		Safety Sign - Air Conditioning Refrigerant, FAMA09	1	FE
18-P2-1820		Safety Sign - Cab Equipment Mounting, FAMA10	1	FE
18-P2-2020		Safety Sign - Fire Service Tire Rating, FAMA12	1	FE
18-P2-2220		Safety Sign - Electronic Stability Control, FAMA13	1	FE
18-P2-2420	<	Safety Sign - Cab Seating, FEMA14	1	FE
		This vehicle has a seating capacity of __ personnel.		
18-P2-2620		Safety Signs - Helmet Worn in Cab, FAMA15	1	FE
18-P2-2820		Safety Sign - Vehicle Backing, FAMA17	1	FE
18-P2-4020		Safety Signs - Intake/Discharge Cap Pressure, FAMA18	1	FE
18-P2-4220		Safety Signs - Hose Restraint Required, FAMA22	1	FE
18-P2-4420		Safety Signs - Climbing Method Instruction, FAMA23	1	FE
18-P2-4620		Safety Signs - Riding on Exterior, FAMA24	1	FE
18-P2-4820		Safety Sign - Pump Training, FAMA25	1	FE
18-P2-6020		Safety Signs - No-Step, FAMA26	1	FE
18-P2-6220		Safety Sign - Siren Noise, FAMA42	1	FE
18-P4-1020		Safety Sign - Apparatus Movement Warning	1	FE
18-P6-0220		Plate - Fluid Capacity	1	FE
18-P6-0420		Plate - Overall Height / Length / Weight	1	FE
== Pump Enclosure - Side Mount - 1022.001 10/01/22 ==				FE
20-A2-0220		Pump Module - Side Mounted Extruded / Modular	1	FE
20-A4-2220		Separate Pump Module - Extruded / Modular	1	FE
20-A4-4020		Trim - Dunnage Area, Tread Plate	1	FE
20-C4-0220		Pump Panels - Black Anodized Aluminum	1	FE
20-C6-1020		Pump Panel - Fully Hinged, Right Side	1	FE
20-D6-0220		Light - Left Side Pump Panel, LED Strip	2	FE
20-D6-1220		Light - Right Side Pump Panel, LED Strip	1	FE

PART NO	S	DESCRIPTION	QTY	ID
20-D8-0620		Light - Pump Compartment, LED	1	FE
20-F4-0420		Running Boards - Aluminum Tread Plate, Left & Right Side	1	FE
20-F4-2220		<i>Hose Trays (2) - Running Boards, Left & Right Side</i>	1	FE
20-F4-2820		<i>Hose Tray Mounting - Floating/Drop In Style w/45-Degree Bottom Corners</i>	1	FE
20-H4-0220		<i>Air Outlet - Pump Panel</i>	1	FE
20-H4-0820		<i>Switch - Air Horn, Pump Panel</i>	1	FE
20-J2-0220		<i>Gauges - Master Suction / Pressure, 4-1/2" White Face</i>	1	FE
20-J2-1020		<i>Back Light Option - LED, Master Gauges</i>	1	FE
		The color of the back lights will be white, red, blue or green.		
20-J4-1620		<i>Pressure Governor - FRC Pump Boss PBA500-D10</i>	1	FE
20-J4-4020		<i>Return Line - Fill Subsurface</i>	1	FE
20-J6-0220		Gauges - 2-1/2" Pressure, White Face	1	FE
20-J6-4420		<i>Back Light Option - LED, Pressure Gauges</i>	1	FE
		The color of the back lights will be white, red, blue or green.		
20-J6-6020		Gauge Bezels - Chrome	1	FE
20-M4-0220		Tags - Pump Panel, Color Coded (Metal)	1	FE
		PUMP / COMPONENTS / ACCESSORIES		FE
22-A4-0820		<i>Pump System - 1250-2000 GPM Single Stage, Waterous CSU</i>	1	FE
22-F4-0220		<i>Packing Glands - Waterous</i>	1	FE
22-F4-1420		<i>Flame Plated Impeller Hub - Waterous</i>	1	FE
22-G2-0220		<i>Pump Shift - Cab Mounted</i>	1	FE
		Location: Driver's Left Knee		
22-J8-1020		<i>Primer - Automatic Air w/Lift Gauge, Trident 31.011.0 (1250+ GPM)</i>	1	FE
22-P2-0220		<i>Valve - Master Pump Drain</i>	1	FE
22-P2-1220		<i>Valve - Individual Drain, 3/4" 1/4 Turn</i>	1	FE
22-R2-0420		<i>Pump Test Points - Waterous Pumps</i>	1	FE
22-R2-2020		<i>Certification - Pump, 1750 GPM Pump</i>	1	FE
22-R4-0420		<i>Plate - Pump Test Certification</i>	1	FE
24-A2-1620		Steamer Inlets - 6" w/Long Handle Cap, Left & Right Side	1	FE
24-J8-0420		Valve - Intake Relief	1	FE
24-R2-0420		Tank-To-Pump - 3" Valve w/Push-Pull Control	1	FE
24-S6-0820	>	Tank Fill - 2" Valve w/Push-Pull Control	1	FE
24-S8-0820		<i>Direct Tank Fill - Right Rear, 3" Fireman's Friend</i>	1	FE
24-S8-4220		<i>Elbow - 3" FNST x 2-1/2" MNST Chrome 30 Degree, Trident 01.054.20</i>	1	FE
24-S8-4860		<i>Plug w/Chain - 2-1/2", Trident 01.007.0</i>	1	FE
24-T2-0420		Cooler - Engine, 1/2" Line w/ 1/4 Turn Valve	1	FE
24-T2-0620		Cooler - Pump, 3/8" Line w/ 1/4 Turn Valve	1	FE
24-W2-0220		<i>Plumbing - Stainless Steel</i>	1	FE
24-W2-0620		<i>Plumbing - Stainless Steel Foam Manifold</i>	1	FE
24-W4-0220		<i>Plumbing Finish - Natural</i>	1	FE
26-A2-0820		<i>Apparatus Valves - Akron Brass 8800 Series / Waterous</i>	1	FE
26-D2-0420		Suction - Left Side, 2-1/2" Valve w/Swing Control at Valve	1	FE
28-00-0100		DISCHARGE OUTLETS - SIDE MOUNT	1	FE
28-00-0220		All 2-1/2" Side Discharge Outlets Terminate 30-Degree Elbows	1	FE
28-A6-0220		<i>Discharge - Front Bumper w/ Swivel - thru Tread Plate (PS)</i>	1	FE
28-A8-0220		<i>Discharge - Front Bumper, 2" Valve w/Push Pull Control</i>	1	FE

PART NO	S	DESCRIPTION	QTY	ID
28-A8-6020		Discharge - Swivel Stop, Tread plate	1	FE
28-D2-0420		Crosslays (2) - Single Lay, 2" Valve w/Push Pull Control	1	FE
28-D6-0220		Crosslay - Single Lay, 2-1/2" Valve w/Push Pull Control	1	FE
28-D8-1220		Cover - Aluminum w/End Flaps, Crosslays	1	FE
28-D8-4420		End Flaps - Cargo Net w/Seat Belt Buckles, Crosslays	1	FE
28-D8-6220		Cover/End Flaps Color: Black	1	FE
28-H8-0420		Discharges (2) - Left Side, 2-1/2" Valve w/Push-Pull Control	1	FE
28-K4-0220		Discharge - Right Side, 2-1/2" Valve w/Push-Pull Control	1	FE
28-K4-6020		Discharge - Right Side, 4" Valve w/Electric Control	1	FE
28-Q2-0220		Discharge - Deck Gun, 3" Valve w/Push Pull Control	1	FE
28-R2-0220		Telescoping Waterway - 3" Manual, TFT XG**VL-PL Extend-A-Gun	1	FE
		Note: 12" Extend-A-Gun		
28-R4-2220		Monitor - Electric Deck, TFT Typhoon Y5-E11A	1	FE
28-R4-3020		Monitor Control - Panel Mount, TFT Y4E-RP	1	FE
28-R4-4420		Master Stream Nozzle - Electric Monitor, TFT M-ERP1000-NN	1	FE
28-V2-1020		Discharge - Left Rear, 2-1/2" Valve w/Push-Pull Control	1	FE
28-V8-8020		Elbow - 2-1/2 FNST x 2-1/2" MNST Chrome 30 Degree, Trident 01.010.0	1	FE
30-B4-0420		Foam System - Waterous AQUIS 3.0	1	FE
30-B6-1020		Valve - Waterway Check	1	FE
30-B6-1420		System Diagram/Rating Placards - NFPA 1901	1	FE
30-J2-2020		Gauge - Class A Foam, FRC Tank Vision Pro WLA360-A00	1	FE
30-R8-0220		NFPA Test - Foam Proportioning Systems	1	FE
30-S2-0620		Foam Tank No. 1 - Polypropylene, 30 Gallons	1	FE
30-T2-0200		FOAM OUTLET LOCATIONS:	1	FE
		== Body - Extruded Pumper (500-1250 Gallons) - 1022.001 10/01/22 ==		FE
		WATER TANKS / COMPONENTS / ACCESSORIES		FE
32-A2-4220		Water Tank - Polypropylene, 1000 Gallons	1	FE
32-A6-0200		OPTION - "L" Shaped Tank	1	FE
32-D8-0420		Certification - NFPA Water Tank Size	1	FE
34-A2-1220		Gauge - Water Level, Tank Vision Pro WLA300-A00	1	FE
34-B2-1420		Lights (2) - Water Level, FRC MAXVISION WLA280-A00	1	FE
		Location: One-(1) per side of the cab in the upper extended portion behind the crew doors.		
		Activation: Park Brake		
52-A2-0420		Body - 102" Wide, Extruded Aluminum	1	FE
52-A6-4020		Body Sub Frame - Extruded Aluminum	1	FE
52-A6-6220		Body/Compartment Construction - 102" Wide Body	1	FE
52-A8-0420		Wheel Well Panels & Fenders - Body, Painted Aluminum	1	FE
52-A8-0620		Fenderettes - Polished Stainless Steel	1	FE
52-A8-1020		Hose Bed - 67-1/2" Wide	1	FE
52-D6-4420		Compartments- Left Side, Rescue Style	1	FE
		L1		
		There shall be one-(1) left front compartment installed ahead of the rear axle. The interior dimensions will be approximately 36" wide x 64" high x 28" deep in the lower section and 15" deep in the upper section.		
		L2		
		There shall be one-(1) compartment installed above the wheel well. The interior		

PART NO	S	DESCRIPTION	QTY	ID
		dimensions will be approximately 58" wide x 32" high x 15" deep.		
		L3		
		There shall be one-(1) left rear compartment installed behind the rear axle. The interior dimensions will be approximately 44" wide x 64" high x transverse in the lower section and 15" deep in the upper section.		
52-H4-6420		Compartments - Right Side, Rescue Style	1	FE
		R1		
		There will be one-(1) right front compartment installed ahead of the rear axle. The interior dimensions will be approximately 36" wide x 64" high x 28" deep in the lower section and 15" deep in the upper section.		
		R2		
		There will be one-(1) compartment installed above the wheel well. The interior dimensions will be approximately 58" wide x 32" high x 15" deep.		
		R3		
		There will be one-(1) right rear compartment installed behind the rear axle. The interior dimensions will be approximately 44" wide x 64" high x transverse in the lower section and 15" deep in the upper section.		
52-J8-0420		Compartment - Center Rear, Standard Height	1	FE
		B1		
		There shall be one-(1) compartment installed at the center rear of the apparatus. The compartment shall have an interior dimension of approximately 46" wide x 28" high.		
56-D8-0620		Compartment Door - Roll Up, Satin Finish	7	FE
56-D8-1420		Pull Down Strap - Compartment Door	7	FE
58-A0-0420		Rear Body Construction - Flat Back Design	1	FE
58-E2-0620		Compartments (4) - Roof Top Storage	1	FE
		Each compartment shall have a grommet mount LED installed to the compartment inner door pan that activates when the door is open.		
60-A2-4820		Vertical Load Test - Body	1	FE
62-A2-6020		Compartment - Pike Pole/Suction Hose Ladder Storage, Right Side Beside Tank	1	FE
62-B2-1220		Tubes (2) - Pike Pole Storage	1	FE
64-B2-0420		Compartment - Wheel Well Double Air Bottle SIG4)	4	FE
66-A2-0220		Body Trim Package	1	FE
66-A2-0620		Body Trim - Vertical Handrails (2), Knurled Aluminum	1	FE
66-A2-1420		Body Trim - NO Rear Stanchions	1	FE
66-A2-2420		Fuel Fill - Recessed w/Door, Left Side	1	FE
66-A2-4420		Mud Flaps - Rear	1	FE
66-A2-4620		Rub Rail - Extruded Aluminum	1	FE
66-A4-1240		Step - 16" Rear, Aluminum Tread Plate	1	FE
		45 CORNERS		
66-A4-4420		Step - Chrome Folding, Front of Body	4	FE
66-A4-6820		Steps (4) - LED Lighted, Rear	1	FE

PART NO	S	DESCRIPTION	QTY	ID
66-A4-8820		<i>Tow Eyes (2) - Rear, Below Body</i>	1	FE
66-A6-2220		<i>Handrail - Below Hose Bed, Knurled Stainless Steel</i>	1	FE
66-A6-6420		<i>Handrail - Front of Body, 12" Knurled Stainless Steel</i>	2	FE
66-A8-1625		<i>Divider - Hose Bed, Pumper (Heavy Duty)</i>	2	FE
66-A8-4220		<i>Cover - Hose Bed, Hypalon</i>	1	FE
66-A8-7620		<i>End Flap - Cargo Net w/Seat Belt Buckles, Hose Bed</i>	1	FE
66-A8-8220		<i>Cover/End Flap Color: Black</i>	1	FE
66-A8-8820		<i>Hose Bed Capacity</i>	1	FE
		The hose bed shall have the capacity to hold the following:		
		No hose bed capacity was specified at the time of proposal completion. The overall height may increase due to the required hose load specified by the Fire Department.		
		A safety sign FAMA22, which warns of the need to secure hose, shall be visible to personnel at the hose storage area.		
		== Body Components - Pumpers - 1022.001 10/01/22 ==		FE
66-B2-0620		<i>Unistruts - Aluminum, Per Compartment</i>	7	FE
		== Elec. Components - Pumper Custom - 1022.001 10/01/22 ==		FE
		***** ELECTRICAL / COMPONENTS / ACCESSORIES *****		FE
70-A2-2020		Electrical System - Apparatus Body, E2020	1	FE
70-A2-4020		Electrical System - 12 Volt Testing	1	FE
70-A2-6020		12-Volt Wiring Protection - Split Loom	1	FE
70-A2-8020		EMI/RFI Protection	1	FE
		AUDIBLE WARNING DEVICES		FE
		INTERIOR COMPARTMENT LIGHTING		FE
70-E2-2220	>	Light - Compartment, LED Strip	7	FE
70-H2-0220		Switch - Compartment Door Ajar Indicator	1	FE
72-G8-4820		Zone A Upper Light Bar - 72" LED, Whelen Freedom IV F4N7QLED	1	FE
72-P8-6220		<i>Zone B/D Upper Body Side Rear Lights (2) - Red w/Clear Lens M9 LED, Whelen M9RC</i>	1	FE
72-S6-8020		<i>Zone C Upper Outboard Lights (2) - Red w/Clear Lens M9 LED, Whelen M9RC</i>	1	FE
74-C8-9220		<i>Zone B & D Lower Front (2) - Red w/Clear Lens M6 LED, Whelen M6RC</i>	1	FE
74-D8-8220		<i>Zone B & D Lower Midship (2) - Red w/Clear Lens M6 LED, Whelen M6RC</i>	1	FE
74-G8-8220		<i>Zone B & D Lower Rear (2) - Red w/Clear Lens M6 LED, Whelen M6RC</i>	1	FE
74-H8-2020		<i>Zone C Lower Lights (2) - Red w/Clear Lens M6 LED, Whelen M6RC</i>	1	FE
74-J4-0620		<i>Stop/Turn/Reverse Lights - LED, Whelen M6</i>	1	FE
74-J4-2620		<i>Housing - Rear Tail Light Assembly, M6FCV4</i>	1	FE
74-J4-8020		<i>Switch - Reverse Lights</i>	1	FE
74-J8-1220		<i>Light - LED Rear Directional, Whelen TAL85</i>	1	FE
74-J9-0420		<i>Rear Directional Light Mounting - Recessed Mounted</i>	1	FE
74-J9-6820		<i>Control Head Location - Traffic Light, Center Console</i>	1	FE
		12-VOLT APPARATUS LIGHTING / ACCESSORIES		FE
74-L0-2220		Lights - LED Clearance and Marker	1	FE
74-L2-0420		<i>Light - LED Underbody</i>	5	FE
		Locations: One-(1) each below the L1, L3, R1 and R3 compartments and one-(1) centered below the rear step.		

PART NO	S	DESCRIPTION	QTY	ID
74-L2-4020		Light - LED License	1	FE
74-P2-2020		Lights (2) - M9 LED Scene, Whelen M9LZC	3	FE
		Locations:		
		One-(1) per side on the Zone B/D Upper Front Body Sides		
		One-(1) per side on the Zone B/D Upper Rear Body Sides		
		One-(1) per side on the Zone C Upper Outboard Body Rear		
74-Q8-9435		Light - 12 Volt 75" LED Brow w/DOT Lights, FireTech FT-B-72-ML-B (Black Housing)	1	FE
		== Paint - Extruded Bodies - 1022.001 10/01/22 ==		FE
80-C2-0220		Paint - Body/Cab	1	FE
80-C2-0420	>	Paint Color/Code: Red FLNA 31979 (FFA Red 1)	1	FE
80-D2-1220		Interior Compartment Finish - Natural	1	FE
80-D2-2420		Paint - Front Bumper Lip, "F-Shield"	1	FE
		BLACK		
80-E2-1820		Stripe - Scotchlite, 1-6-1 Triple	1	FE
80-E4-8020		Striping Layout: Straight Down Cab/Body	1	FE
80-E8-0220		Striping - Rear Body, Reflective Chevron	1	FE
80-E8-0620		Chevron Striping Colors: 3M Red & Lime Green	1	FE
80-E8-2020		Pin Striping - 1/4" Black, Between Rear Chevron Striping	1	FE
80-E8-4020		Reflective Material - Designated Walking Surfaces	1	FE
		== Warranty / Manuals - Pumpers Custom - 1022.001 10/01/22 ==		FE
98-A2-0420		Warranty - Body Material & Workmanship, 2-Year / 36,000 Miles (RFW0002)	1	FE
98-A2-1020		Warranty - Chassis Material & Workmanship, 2-Year / 36,000 Miles (RFW0102)	1	FE
98-A4-0210		Warranty - Cab Structural, 10-Year / 100,000 Miles (Aluminum - RFW0602)	1	FE
98-A4-0420		Warranty - Body Structure, 10-Year / 100,000 Miles (Aluminum - RFW0502)	1	FE
98-A6-0210		Warranty - Cab Paint / Perforation, 10 Year (RFW0710)	1	FE
98-A6-0220		Warranty - Body Paint / Perforation, 10 Year (RFW0710)	1	FE
98-A8-0220		Warranty - Frame Assembly Structure, 50-Year / 250,000 Mile	1	FE
98-A8-0420		Warranty - Meritor Axle, 5-Year / Unlimited Miles	1	FE
98-A8-4220		Warranty - Cummins Engine, 5-Year/100,000 Miles	1	FE
98-A8-4420		Warranty - Allison Automatic Transmission, 5-Year/Unlimited Miles	1	FE
98-A8-4620		Warranty - Anti Lock Brake System, 3-Year/300,000 Miles	1	FE
98-A8-6220		Warranty - Waterous Pumps	1	FE
98-A8-8020		Warranty - Plumbing System, 10-Year / 100,000 Miles (RFW0801)	1	FE
98-A8-8420		Warranty - Poly Water Tank, Lifetime	1	FE
98-B2-0220		Manuals (2) - Chassis Operation, Digital	1	FE
98-B2-1220		Manuals (2) - Engine/Transmission Operations	1	FE
98-B2-1820		Manuals - Apparatus Body & Components	1	FE
98-B2-2020		Manuals - Pump	1	FE
98-B2-2220		Safety Guide - FAMA	1	FE
98-B2-6020		Wiring Diagrams - Cab/Chassis, Standard	1	FE
98-B2-6620		Wiring Diagrams - Apparatus Body, Standard	1	FE
		== Loose Equipment Pkg. - Pumper - 1022.001 10/01/22 ==		FE
90-A2-0220	<	Equipment Package - NFPA 1901 2016, Fire Department Supplied	1	FE
		The loose equipment as outlined in NFPA 1901, 2016 edition, section 5.9 thru 5.9.4		

[illegible]