

411 Equipment Stock Pumper

Exp. Date: 09/11/2018 **Create Date:** 06/11/2018 **Rev. Date:** 09/15/2018
Quote No: InfernoPumper-0001
PUMPER: FMP-35-300 Pumper Custom - SM Modular
LEGALS: FFA-00-300 Legals - Pumpers
CHASS-CUSM: FCH-30-100 CHASSIS - Custom Tilt Cab - FFA
CHASS-MODS: FCM-10-300 Chassis Mods - Custom
PUMP-ENC: FPE-20-200 Pump Enclosure - SM Modular
BODY: FBP-30-100 Bodies - Pumper LRS Side Mount Modular
BODY-CMNT: FBC-30-100 Body Components - Pumpers
ELE-CMPNT: FEC-30-200 Elec. Components - Pumper Custom
PAINT: FPC-10-400 Paint - SM Modular
WRNTY-MNLS: FWM-50-100 Warranty / Manuals - Pumpers Custom
EQUIPMENT: FEP-30-100 Loose Equipment Pkg. - Pumper

09/25/2020

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PART NO	S	DESCRIPTION	QTY	ID
		== Legals - Pumpers - 618.001 06/08/18 ==	1	FE
00-02-2420	S	Proposal Response (Pumper)	1	FE
00-06-0420		Payment Terms: Ferrara Standard	1	FE
00-12-0220		Single Source Manufacturer	1	FE
00-12-0620		Principal Dimensions	1	FE
00-12-0820		Certified Welders	1	FE
00-12-1020		Body Weight	1	FE
00-14-0620		Drawings - Approval	1	FE
00-14-0820		Drawings - Revised Approval	1	FE
00-18-0620	S	Vehicle Transportation - Over the Road	1	FE
00-18-1820		Delivery Time: Calendar Days	270	FE
00-18-2020		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
00-22-1020		Service Center (Edit Service Center)	1	FE
		== CHASSIS - Custom Tilt Cab - FFA - 618.001 06/08/18 ==	1	FE
00-B2-0420		Custom XD Full Tilt Cab - INFERNO	1	FE
		WHEELBASE / FRAMERAILS / COMPONENTS / ACCESSORIES	1	FE
02-A2-0220	S	Wheelbase: 180"	1	FE
02-A2-0420	X	Vehicle GVW: 48,000-Pounds	1	
02-A4-0420		Frame Rails - Double	1	FE

PART NO	S	DESCRIPTION	QTY	ID
02-A4-2420		Paint - Frame Rail, "F-Shield"	1	FE
02-A4-2620		"F-Shield" Color: Black	1	FE
02-A6-0620		Tow Eyes - Chrome, Thru Gravelshield	1	FE
		FRONT BUMPERS / COMPONENTS / ACCESSORIES	1	FE
02-B2-1020	S	Front Bumper - 10-1/2" High, HD Frame Rail Style The bumper shall be painted job color before installation.	1	FE
02-B2-1220	X	Bumper Notch - Driver's Side The front bumper will be notched for recessing of the Q2B siren. The notch will be designed so that the bumper is one-(1) continuous piece. The notch will be welded in place for strength with a continuous top and bottom flange. All areas will be polished for appearance. The siren will be located driver's side of the bumper.	1	
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 The tray will have a capacity of 100' of 1.75" double jacket cotton-polyester hose. A safety sign FAMA22, which warns of the need to secure hose, shall be visible to personnel at the hose storage area.	1	FE
02-E2-0820		Compartment Flooring - Black Turtle Tile, Center Compartment	1	FE
02-E4-0420		Restraining Strap - Center Compartment	2	FE
02-M6-0220		Mechanical Siren - Federal Q2B DS Thru Bumper (P7) The siren shall be located on the bumper notch.	1	FE
02-M8-0220		Siren Wiring - Active in Response Mode Only	1	FE
02-M8-1820		Switch - Siren, Officer's Side Dash	1	FE
02-M8-2220		Switch - Horn Ring Siren, Mechanical Siren	1	FE
02-P2-0220		Air Horn - PS Thru Bumper (P1)	1	FE
02-P2-0420		Air Horn - PS Thru Bumper (P2)	1	FE
02-P8-0420		Air Horn Wiring - Active All Modes	1	FE
02-P8-0820		Switch - Horn/Horn Selector	1	FE
02-P8-1220		Switch - Air Horn, Officer's Side Dash	1	FE
02-R2-1220	S	Speakers (2) - Thru Bumper (P3/P5) There shall be two-(2) speaker shall be installed thru the front face, one-(1) each side, inboard of the frame rails.	1	FE
02-R4-2620	S	Siren Speaker - Whelen SA315B The speakers shall be a Whelen model SA314B black nylon composite, 100-watt, speakers with through bumper mounting brackets and polished stainless steel grille provided. Each speaker will be connected to the siren amplifier.	2	FE
		FRONT AXLES / COMPONENTS / ACCESSORIES	1	FE

PART NO	S	DESCRIPTION	QTY	ID
04-A2-2820		Front Axle - 24,000 Pounds, Reyco Granning IFS	1	FE
04-A8-0220		Chassis Alignment	1	FE
04-C2-0820		Front Brakes - Disc, IFS Axle	1	FE
04-C4-1220		Cramp Angle - 48 Degrees	1	FE
04-D2-1620		Front Tires - Goodyear 425/65R22.5 "L" G296 MSA 24,000 Pounds	1	FE
04-E2-2820		Front Wheels - 22-1/2" x 13", 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	1	FE
04-G2-0220		Rear Axle - 24,000 Pounds, Meritor RS-24-160	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-P2-1020		Rear Brakes - Meritor EX-225 Disc (27,000 Pound Axle Maximum)	1	FE
04-P4-1620		Parking Brake Apply Control - Officer's Side	1	FE
04-R2-0620		Rear Tires - Goodyear 11R22.5 "H" G622 RSD 24,000 Pounds	1	FE
04-S2-2020	S	Rear Wheels - 22-1/2" x 8-1/4", Alcoa Aluminum/Steel Disc	1	FE
		The outside rear wheels shall be Alcoa Aluminum model 883672. The wheels shall be 22-1/2" x 8-1/4" ten stud, hub piloted polished aluminum disc type.		
		Each wheel shall have a maximum load of 7,400-pounds.		
		The inside rear wheels shall be Accuride 22-1/2" x 8-1/4" ten stud, hub piloted steel disc type.		
		An isolator will be provided between the steel and aluminum rims.		
		TIRE BALANCE		
		All tires will be balanced with Counteract balancing beads. The beads will be inserted into the tire and eliminate the need for wheel weights.		
04-S2-4802	S	Rear Wheel Paint - Powder Coated	1	FE
		All wheel surfaces, inside and outside of inboard steel wheels only, will be provided with powder coat paint #101 black.		
04-S2-6020		Wheel Trim - Rear, Lincoln Hats	1	FE
04-S6-1220	S	Tire Pressure Monitor (Single Rear Axles) - LED Alert	1	FE
		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.		
		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.		

PART NO	S	DESCRIPTION	QTY	ID
		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.		
		AIR BRAKE SYSTEM / COMPONENTS	1	FE
06-A2-0220		<i>Harness and Hose Routing System</i>	1	FE
06-A2-0620		<i>Air Brake System - Color Coded Nylon w/Pull Cord Drain Valves</i> A loop will be provided at the cable end for ease of pulling the drain.	1	FE
06-A2-1020	X	<i>U-Bolt Guard - Park Brake Control</i> There will be one-(1) U-bolt type protective guard(s) installed over the "Parking Brake" knob to prevent accidental activation of the brake.	1	
06-A2-4220		<i>Chassis Air System Fittings - Compression Type</i>	1	FE
06-A2-6020		<i>Air Compressor - Wabco 18.7</i>	1	FE
06-A4-4020		<i>ABS/ATC/ESC System - SINGLE AXLE</i>	1	FE
06-B4-2020	S	<i>Air Dryer - Bendix AD-9</i> The air system shall include a Bendix AD-9 air dryer with a Bendix DV2 integral 12-volt heated moisture ejector. The air dryer shall have a desiccant cartridge and incorporate an integral turbo cutoff valve. The turbo cutoff allows the air dryer to purge water and contaminants without any loss of turbo boost or engine horsepower.	1	FE
06-B4-6020	S	<i>Air Inlet - Driver's Step Well</i> One-(1) air inlet with 3D series male coupling will be provided. It will allow station air to be supplied to the apparatus brake system through a shoreline hose. The inlet will be located forward in the driver side lower step well of cab. A check valve will be provided to prevent reverse flow of air. The inlet will discharge into the "wet" tank of the brake system. A mating female fitting will also be provided with the loose equipment.	1	FE
		ENGINES / COMPONENTS / ACCESSORIES	1	FE
08-A4-0820		<i>Engine - 500 HP, Cummins ISX15 (EPA 2016)</i>	1	FE
08-B2-0420		<i>Engine Brake - Cummins ISX Engine</i>	1	FE
		ENGINE / COMPONENTS / COOLING SYSTEM - ISX	1	FE
08-C2-0220		<i>Cooling System - Cummins Engine</i>	1	FE
08-C2-1020		<i>Skid Plate, Radiator Protection Igniter/Inferno Standard)</i>	1	FE
08-C2-1220		<i>Cooling System Fan - Cummins ISX</i>	1	FE
08-C2-2620		<i>Radiator Coolant - Extended Life</i>	1	FE
08-C2-4020		<i>Coolant Hoses - Silicone</i>	1	FE
08-C2-4420		<i>Coolant Hose Clamps - Gates PowerGrip</i>	1	FE
08-C2-6020		<i>Auxiliary Engine Cooler</i>	1	FE
		ENGINE / COMPONENTS / CHARGING SYSTEMS	1	FE
08-D2-2220		<i>Alternator - 430 AMP, Delco Remy 55SI</i>	1	FE
08-E2-0430		<i>Battery System (4) - Exide XRF-31D (925 CCA Each)</i>	1	FE
08-E4-0220		<i>Battery Boxes - Stainless Steel</i>	1	FE

PART NO	S	DESCRIPTION	QTY	ID
08-E4-4220		Battery Jumper Studs	1	FE
08-E4-6220		Termination Point - Battery Box	1	FE
08-E6-0220		Battery Master Load Disconnect	1	FE
08-E6-0420		Total System Manager w/High Idle - Class 1	1	FE
08-E8-0620	S	Battery Charger - IOTA DSL-45	1	FE
		There will be an IOTA, Model DSL 45, 45 amp battery charger provided.		
		The battery charger will be wired to the AC shoreline inlet through an AC receptacle adjacent to this battery charger.		
		The battery charger will be located behind the driver's seat.		
		The battery charger indicator shall be located next the master battery disconnect switch.		
08-G4-2020		Receptacle - Kussmaul 20 AMP Super Auto-Eject 091-55-20-120	1	FE
		The receptacle shall be located in the driver's side cab wheel well area.		
08-G6-0420		Cover - Super Auto Eject Red, Kussmaul 091-55RD	1	FE
08-G8-8220		Plate - Shore Power Inlet	1	FE
		TRANSMISSION / COMPONENTS / ACCESSORIES	1	FE
10-A2-1220		Transmission - Allison 4000 EVS	1	FE
		The transmission will be provided with an aggressive downshift mode.		
		This will provided earlier transmission downshifts to 2nd gear, resulting in improved engine braking performance.		
10-A4-0620		Transmission Push Button Shifter - 5 Speed	1	FE
10-H2-0420		Driveline - 1810 Series	1	FE
10-H4-1820		Fire Pump Installation	1	FE
		FUEL SYSTEM / COMPONENTS - ISX	1	FE
10-J2-0620		Fuel Tank - 65 Gallon	1	FE
10-J2-2020		Cooler - Auxiliary Fuel	1	FE
10-J4-0220		Fuel Lines - Reinforced Wire Braided	1	FE
10-J4-0620		Fuel Re-Prime Pump - Electric	1	FE
10-J4-0820		Fuel Filter - Secondary Filter	1	FE
10-J4-2420		Fuel Water Separator - Primary Filter, Racor 3150R	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 17	1	FE
		CAB CONFIGURATIONS - INFERNO XD - SMFD thru XLFD	1	FE
12-E8-1620	S	Custom Cab - Ferrara XD 100, XMFD Cab w/10" Raised Roof	1	FE
12-G8-1020		Sealed Engine Tunnel - Raised, Inferno Chassis	1	FE
12-K2-0420		Cab Raised Roof Height Upgrade - 10"	1	FE
		The cab raised roof height shall be increased to 10" high.		
12-P2-1020		Cab Doors - Full Length, 4 Door Raised Roof Cab	1	FE

PART NO	S	DESCRIPTION	QTY	ID
12-P4-0420		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-R4-2020		Cab Tilt Electric Pump	1	FE
		The cab tilt control shall be hardwired on the inside of the right side pump panel access door.		
		CUSTOM CAB - EXTERIOR TRIM COMPONENTS	1	FE
14-A2-0420		Front Grille - Stainless Steel	1	FE
14-A2-1620		Front Grille Logo - Ferrara/NON-Lighted	1	FE
14-A2-8420		Side Grille w/Ember Separator - Notched Right Side	1	FE
14-A4-0620		Cab Mirrors - Heated/Remote, Velvac Stainless Steel	1	FE
14-A6-1220		Grab Handle - Front Cab Face	2	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-A8-0420		Exterior Trim - 12" Stainless Steel Band Bottom of Cab Doors	1	FE
14-A8-0620	S	Exterior Trim - Stainless Steel, Cab Door Jambs	4	FE
		All cab door jambs will be furnished with a polished stainless steel scuff plate, mounted on the striker side of the jamb.		
		CUSTOM CAB - INTERIOR TRIM COMPONENTS	1	FE
14-G2-1020		Corrosion Protection/Sound Deadening - "F-Shield"	1	FE
14-G4-0220		Interior Cab Finish - "F-Shield" Dark Gray	1	FE
14-G4-2220		Interior Trim - Gray Floor Mats/Engine Tunnel Covering	1	FE
14-G4-4620		Interior Trim - Tread Plate, Front/Rear Cab Floors	1	FE
14-G4-6420		Interior Trim - Sprayed Aluminum, Rear Wall	1	FE
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-G6-6220		Interior Trim - Sun Visors (2)	1	FE
14-H2-0820		Interior Trim - Upper Door Panels "F-Shield" (4 Door Cab)	1	FE
14-H2-4220	S	Interior Trim - Lower Door Panels Smooth Aluminum (4 Door Cab)	1	FE
14-H4-0420		Interior Trim - Lower Door Panels Reflective Material (4 Door Cab)	1	FE
		The reflective striping shall be white in color.		
		CUSTOM CAB - INSTRUMENTS AND CONTROLS	1	FE
14-K2-0100		Smart Truck Technology - AXIS	1	FE
14-K2-0420		Cab Instrumentation & Controls - Standard Gauges	1	FE
14-K2-0620		Driver's Information Display Panel	1	FE
14-K2-0830		Chassis Electrical System - Standard Wiring	1	FE
14-K2-2020		Doghouse Mounted Switch Panel - Ferrara XD Aluminum	1	FE
14-K2-2220		Switch Panel - Driver's Side (Pump Applications)	1	FE
14-K2-4020		Switch Panel - Center, 100" Wide XD Cab	1	FE
14-K2-6220		Switch Panel - Officer's Side	1	FE

PART NO	S	DESCRIPTION	QTY	ID
14-K2-8220		Vehicle Data Recorder (VDR) w/Seat Belt Warning - Class 1	1	FE
14-K4-0420		Seat Belt Warning System Panel - Class 1	1	FE
14-K4-4020		Steering Column w/Self Canceling Turn Signals - Douglas	1	FE
14-K4-6220		Gauge - Air Restriction Pop-Up Indicator	1	FE
14-K6-4220		Switch - Manual Fast Idle	1	FE
14-P2-1820		Heat/Air Conditioning - Under Dash and Rear Crew Area	1	FE
14-P2-2820		A/C Condenser Housings: White	1	FE
		CUSTOM CAB / SEATING / AIR BAG PROTECTION / EMS	1	FE
		COMPARTMENTS		
16-A2-4020		Seating / EMS Compartments - Valor	1	FE
16-A8-0820		Seat Material - Valor XD Cordura 1000	1	FE
16-A8-1420		Seat Color - Black	1	FE
16-A8-4020	S	Seat Belts - Standard 3-Point NON ABTS	6	FE
		The seats shall be equipped with a standard 3-point seat belt with single automatic retractor.		
16-A8-4220	X	Seat Belt Extenders - IMMI Ready Reach	6	
		The 3-point shoulder type belts will also include the ReadyReach D-loop assembly to the shoulder belt system. The ReadyReach feature adds an extender arm to the D-loop location placing the D-loop in a closer, easier to reach location.		
		The extenders to be ordered with the Valor seats.		
16-A8-6420		SCBA Seats Brackets - IMMI Smart Dock	3	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-B4-9220		Compartment Under Officer's Seat w/Door	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-G2-0220		Seats (2) - Outboard Forward Facing Crew, Flip-Up Seat Bottom	1	FE
16-K2-0220		Compartment - Center Forward Facing EMS	1	FE
16-K2-0630		Door - Center Forward Facing EMS Compartment, ROM Roll Up	1	FE
16-K2-2020		Anodized Aluminum Sill Plate - Roll Up Door	1	FE
16-K4-0620		Light - EMS Compartment, 36" OnScene Access 73036	2	FE
16-K6-0220		Shelf - Adjustable, Center Forward Facing EMS Compartment	2	FE
		CUSTOM CAB - ACCESSORIES	1	FE
16-M2-1420		12-Volt Dual USB Charging Port - Cab Mounted, Kussmaul 091-219-4	1	FE
16-M2-2020	S	Map Book Holder	1	FE
		A map box with four-(4) bins, open at top, will be installed between driver and officer. The map box will be divided into two-(2) bins wide x two-(2) bins high. Each bin will be 9-1/4" wide x 4" deep x 12" high. The map box will be constructed of .125" aluminum and will be painted to match the cab interior.		
16-M2-2920		Radio Antenna Mount - MNO	2	FE

PART NO	S	DESCRIPTION	QTY	ID
16-M2-4020	X	<i>Radio - Mobile, Harris XG-100M 136-870 Mhz</i>	1	
16-M2-4220	X	<i>Radio - Portable, Harris XG-75PE w/Charger & Spare Battery</i>	4	
16-M2-6020	S	<i>12-Volt Circuits - Spare</i>	15	FE
SPARE CIRCUIT				
<p>There will be one-(1) pair of wires, including a positive and a negative, installed on the apparatus. The above wires will have the following features:</p>				
<p>The positive wire will be connected directly to the battery switched power. The negative wire will be connected to ground.</p>				
<p>Wires will be protected to 10 amps at 12 volts DC.</p>				
<p>Power and ground will terminate below driver side forward facing seat out of crew cab back wall with 6" of spare wire.</p>				
<p>Termination will be with heat shrinkable butt splicing. Wires will be sized to 125% of the protection.</p>				
<p>This circuit(s) may be load managed when the parking brake is set.</p>				
SPARE CIRCUIT				
<p>There will be two-(2) pair of wires, including a positive and a negative, installed on the apparatus. The above wires will have the following features:</p>				
<p>The positive wire will be connected directly to the battery power. The negative wire will be connected to ground.</p>				
<p>Wires will be protected to 15 amps at 12 volts DC.</p>				
<p>Power and ground will terminate upper right corner on the rear wall of the forward facing EMS cabinet.</p>				
<p>Termination will be with 15 amp, power point plug with rubber cover.</p>				
<p>Wires will be sized to 125% of the protection.</p>				
<p>This circuit(s) may be load managed when the parking brake is set.</p>				
SPARE CIRCUIT				
<p>There will be four-(4) pair of wires, including a positive and a negative, installed on the apparatus. The above wires will have the following features:</p>				

PART NO	DESCRIPTION	QTY	ID
	<p>The positive wire will be connected directly to the battery switched power. The negative wire will be connected to ground.</p>		
	<p>Wires will be protected to 20 amps at 12 volts DC. Power and ground will terminate behind officer seat.</p>		
	<p>Termination will be with 3/8" studs and plastic covers. Wires will be sized to 125% of the protection.</p>		
	<p>This circuit(s) may be load managed when the parking brake is set.</p>		
	<p>SPARE CIRCUIT</p>		
	<p>There will be three-(3) pair of wires, including a positive and a negative, installed on the apparatus. The above wires will have the following features:</p>		
	<p>The positive wire will be connected directly to the battery switched power</p>		
	<p>The negative wire will be connected to ground</p>		
	<p>Wires will be protected to 20 amps at 12 volts DC</p>		
	<p>Power and ground will terminate in overhead behind switch panel #4</p>		
	<p>Termination will be with 3/8" studs and plastic covers</p>		
	<p>Wires will be sized to 125% of the protection</p>		
	<p>This circuit(s) may be load managed when the parking brake is set.</p>		
	<p>SPARE CIRCUIT</p>		
	<p>There will be one-(1) pair of wires, including a positive and a negative, installed on the apparatus. The above wires will have the following features:</p>		
	<p>The positive wire will be connected directly to the battery switched power.</p>		
	<p>The negative wire will be connected to ground.</p>		
	<p>Wires will be protected to 10 amps at 12 volts DC.</p>		
	<p>Power and ground will terminate below officer side forward facing out of crew cab back wall with 6" of spare wire.</p>		
	<p>Termination will be with heat shrinkable butt splicing. Wires will be sized</p>		

PART NO	S	DESCRIPTION	QTY	ID
		to 125% of the protection.		
		This circuit(s) may be load managed when the parking brake is applied.		
		SPARE CIRCUIT		
		There will be four-(4) pair of wires, including a positive and a negative, installed on the apparatus. The above wires will have the following features:		
		The positive wire will be connected directly to the battery power		
		The negative wire will be connected to ground		
		Wires will be protected to 15 amps at 12 volts DC		
		Power and ground will terminate officer side dash area		
		Termination will be with 3/8" studs and plastic covers		
		Wires will be sized to 125 percent of the protection		
		The circuit(s) may be load managed when the parking brake is set.		
16-M2-6220	S	12-Volt Power and Ground Studs (2) Spare circuits will be provided in the primary distribution center for two-way radio equipment. The spare circuits will consist of the following: One-(1) 12-volt DC, 30 amp battery direct spare One-(1) 12-volt DC ground and un-fused switched battery stud located in or adjacent to the power distribution center	1	FE
16-M4-2420		Electronic Siren - Whelen 295SLSA1	1	FE
16-M6-0620		Electric Horn - Single	1	FE
16-M6-2020		Back Up Alarm - 107 dB, Whelen WBUA107	1	FE
		CUSTOM CAB - INTERIOR LIGHTING	1	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, TecNiq D04 Linear Dragon	1	FE
16-R4-0420		Lights (2) - Engine Maintenance, LED	1	FE
		CUSTOM CAB - EXTERIOR ILLUMINATION	1	FE
18-A2-0620		Front Cab Lighting - Whelen "M" Series LED	1	FE
18-A4-0620		Headlights - LED JW Speaker Evolution 8800	1	FE
18-A4-2420		Alternating Flashing Headlights	1	FE
		The flashing will automatically cancel when the hi-beam headlight switch is activated or when the parking brake is set.		

PART NO	S	DESCRIPTION	QTY	ID
18-A6-0820		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-A6-2220		Lights - Auxiliary Turn Signal/Marker, Weldon 9186-8580-29 (Pair)	1	FE
18-A6-6020		Lights (2) - Cornering, LED	1	FE
18-A6-6220		Lights - DOT, LED	1	FE
18-A6-8080		Light - Roof Mounted Remote Spotlight, Golight Stryker LED 30204 (White)	1	FE
18-B4-1420		Lights (2) - Inboard Lower Front Warning, Whelen M6 LED M6 (Red w/Clear Lens)	1	FE
18-D2-1220	S	Lights (4) - 20" LED Cab Ground, Luma Bar H20 AY-LB-12HW020	1	FE
		AUDIO / VISUAL COMMUNICATION SYSTEMS	1	FE
18-J2-0220	S	Intercom System - Wired (4) Position, David Clark	1	FE
		INTERCOM SYSTEM		
		A four-(4) position David Clark, Model U3800, intercom system with single radio interface capability at the driver and officer positions will be provided. Two-(2) crew cab positions, located at both rear facing seats, will have radio listen / intercom only.		
		The following components will be supplied with this system:		
		*One-(1) U3815 Radio Interface Module (Officer)		
		*One-(1) U3811 Radio Interface Modules (Driver)		
		*One-(1) U3800 Intercom Unit (1 Crew)		
		*One-(1) C3820 Power Cable		
		*One-(1) U3801 Intercom Unit (1 Crew)		
		*All necessary cables and connectors		
		RADIO / INTERCOM INTERFACE INCLUDED		
		All radio interfaced stations will have universal radio interfaces installed. The interface wiring will be routed within the cab to between the driver and officer.		
		UNDER THE HELMET HEADSET		
		There will be four-(4) under the helmet, headset(s) provided driver, officer, and 2 forward facing crew cab seats.		
		Each David Clark, Model H3442, headset will feature:		
		*5' Coiled cord		
		*Noise cancelling electric microphone		
		*Flexible microphone boom rotates 200 degrees for left or right dress		
		*Microphone on/off button		
		*Comfort Gel Earseals		
		*23 dB noise reduction		
		HEADSET HANGERS		

PART NO	S	DESCRIPTION	QTY	ID
		There will be six-(6) headset hanger(s) installed driver's seat, officer's seat, driver's side outboard forward facing seat and passenger's side outboard forward facing seat. The hanger(s) will meet NFPA 1901, Section 14.1.11, requirement for equipment mounting.		
		== Chassis Mods - Custom - 618.001 06/08/18 ==	1	FE
		NFPA SAFETY SIGNS	1	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
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 - SM Modular - 618.001 06/08/18 ==	1	FE
20-A2-0620		PUMP MODULE - SIDE MOUNT MODULAR STEEL	1	FE
20-A4-2420		Separate Pump Module - Modular	1	FE
		The pump house will be tubular construction to match the cut sheets.		
20-C2-0620	S	Pump Panels - Brush Stainless Steel	1	FE
		The pump panel shall be sprayed with black F-Shield before installation.		
		The trim rings for the side discharge outlets will be color coded and labeled to correspond with the discharge identification tag.		
		A safety sign FAMA25, which warns of the need for training prior to operating the apparatus, shall be located on the pump operators panel.		
20-C6-1020		Pump Panel - Fully Hinged, Right Side	1	FE

PART NO	S	DESCRIPTION	QTY	ID
20-D6-0220	S	<i>Light - Left Side Pump Panel, OnScene LED Access</i> One-(1) individual OnScene Access LED pump panel light with on/off switch shall be mounted under the polished stainless steel light shield left side. For optimum visibility during nighttime operations, the light shall be mounted as high as possible.	1	FE
20-D6-1220	S	<i>Light - Right Side Pump Panel, OnScene LED Access</i> One-(1) individual OnScene Access LED pump panel light with on/off switch shall be mounted under the polished stainless steel light shield right side. For optimum visibility during nighttime operations, the light shall be mounted as high as possible.	1	FE
20-D6-6220		<i>Pump Panel Light Activation</i>	1	FE
20-D8-0620		Light - Pump Compartment, LED	1	FE
20-F4-0420		Running Boards - Aluminum Tread Plate, Left & Right Side	1	FE
20-J2-0220		<i>Gauges - Master Suction/Pressure, 4-1/2" Metal Face</i>	1	FE
20-J4-1620		<i>Pressure Governor - FRC Pump Boss PBA400-A00</i>	1	FE
20-J6-0220		Gauges - 2-1/2" Pressure, Metal Face	1	FE
20-J6-6020		Gauge Bezels - Standard Finish	1	FE
20-M4-0220		Tags - Pump Panel, Color Coded (Metal)	1	FE
		PUMP / COMPONENTS / ACCESSORIES	1	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 - Dash Mounted</i>	1	FE
22-J8-6420		<i>Primer - Manual Air, Trident 31.001.2 (1250+ GPM)</i>	1	FE
22-P2-0220		<i>Valve - Master Pump Drain</i>	1	FE
22-P2-1420		<i>Valve - Individual Drain, 3/4" Lift Up Type</i>	1	FE
22-R2-0220		<i>Pump Test Point</i>	1	FE
22-R2-2220		<i>Certification - Pump, 2000 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-J8-0220		<i>Valve - Intake Relief, Elkhart 40</i> The valve shall be preset at 125 PSIG. The relief valve will have a working range of 75 PSIG to 250 PSIG. The outlet will terminate below the frame rails with a 2-1/2" National Standard hose thread adapter and will have a "do not cap" warning tag. The relief valve pressure control will be located behind an access door at the right side pump panel.	1	FE
24-R2-0420		<i>Tank-To-Pump - 3" Valve w/Push-Pull Control</i> A check valve will be provided in the tank to pump supply line to prevent the possibility of "back filling" the water tank.	1	FE

PART NO	S	DESCRIPTION	QTY	ID
24-S6-0420		Tank Fill - 1-1/2" Valve w/Push-Pull Control	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		Plumbing - Stainless Steel	1	FE
24-W2-0620		Plumbing - Stainless Steel Foam Manifold	1	FE
24-W4-0220		Plumbing Finish - Natural	1	FE
26-A2-0220		Apparatus Valves - Akron Brass 8800 Series	1	FE
26-D2-0420		Suction - Left Side, 2-1/2" Valve w/Swing Control at Valve	1	FE
26-G2-0220		Suction - Right Side, 2-1/2" Valve w/Swing Control at Valve	1	FE
28-00-0100		DISCHARGE OUTLETS - SIDE MOUNT	1	FE
28-00-0620		All 2-1/2" Side Discharge Outlets Terminate 45-Degree Elbows	1	FE
28-A4-0620		Discharge - Front Bumper in Hose Well (Center Compartment)	1	FE
28-A8-0220		Discharge - Front Bumper, 2" Valve w/Push Pull Control	1	FE
28-D4-0420		Crosslays (2) - Double Lay, 2" Valve w/Push Pull Control	1	FE
		The crosslays shall be as low as possible.		
		The center crosslay divider will be fabricated of 0.25" aluminum and will provide adjustment from side to side. The divider will be unpainted with a brushed finish.		
		A safety sign FAMA22, which warns of the need to secure hose, shall be visible to personnel at the hose storage area.		
28-D8-1220		Cover - Aluminum w/End Flaps, Crosslays	1	FE
28-D8-4220		End Flaps - Cargo Net w/Footman's Loop, 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-K4-6220		Discharge - Right Side, 4" Valve w/Handwheel Control	1	FE
28-Q2-0220	S	Discharge - Deck Gun, 3" Valve w/Push Pull Control	1	FE
		There will be a second control, push pull operated, in the dunnage area within reach of the deluge appliance operator.		
28-R2-0220		Telescoping Waterway - 3" Manual, TFT XG18VL-PL Extend-A-Gun	1	FE
28-W2-1020		Discharge - Right Rear, 2-1/2" Valve w/Push-Pull Control	1	FE
30-C2-0220	S	Foam System - FRC TF350-030-TM2	1	FE
		The foam system shall be plumbed to the front jump line, both crosslays and the right rear discharge.		
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-S2-0420		Foam Tank No. 1 - Polypropylene, 20 Gallons	1	FE
30-S2-0620	X	Drain - 1" Foam Tank	1	
		The foam tank drain will be a 1" drain valve provided. The set up for the drain and termination point shall be Ferrara's standard.		
30-S2-2220		Foam Refill System - Foam Pro Power Fill	1	FE

PART NO	S	DESCRIPTION	QTY	ID
30-T2-0200		FOAM OUTLET LOCATIONS:	1	FE
30-T2-0420		Foam Outlet - Discharge Front Bumper	1	FE
30-T2-0620		Foam Outlet - Crosslay No. 1	1	FE
30-T2-0820		Foam Outlet - Crosslay No. 2	1	FE
30-T6-2220		Foam Outlet - Discharge Rear of Body, Right Side	1	FE
32-E2-2020		Return Line - Fill Subsurface	1	FE
		== Bodies - Pumper LRS Side Mount Modular - 618.001 06/08/18 ==	1	FE
		WATER TANKS / COMPONENTS / ACCESSORIES	1	FE
32-C2-1220		Water Tank - Polypropylene, 500 Gallons (T)	1	FE
32-D8-0420		Certification - NFPA Water Tank Size	1	FE
32-E2-0620		Tank Sleeve - Poly	1	FE
34-A2-1220		Gauge - Water Level, Tank Vision Pro WLA300-A00	1	FE
50-A2-0220		Body - 96" Wide, Modular	1	FE
50-A4-0220		Body Subframe - Steel	1	FE
50-A4-1220		Body/Compartment Construction - Aluminum	1	FE
50-B6-0420	S	Compartments - Left Side, Rescue Style w/RUD (36/67.75/52 w/65" Interior Height)	1	FE
		L1		
		There shall be one-(1) left front compartment installed ahead of the rear axle. This compartment shall have one-(1) roll up door. The compartment shall be approximately 36" wide x 65" high x 27-1/2" deep. The compartment shall have a useable door opening of approximately 29-1/2" wide x 56" high.		
		L2		
		There shall be one-(1) compartment installed above the wheel well. This compartment shall have one-(1) roll up door. The compartment shall be approximately 67-3/4" wide x 33" high x 27-1/2" deep. The compartment shall have a useable door opening of approximately 61-1/4" wide x 24" high.		
		L3		
		There shall be one-(1) left rear compartment installed behind the rear axle. This compartment shall have one-(1) roll up door. The compartment shall be approximately 52" wide x 65" high x 27-1/2" deep. The compartment shall have a useable door opening of approximately 45-1/2" wide x 56" high.		
50-C9-4230		Compartment Door - Left Side Roll Up, ROM Painted The paint color/code shall be red FLNA 3042.	3	FE
50-C9-6620		Cover - Roll-Up Door Interior	3	FE
50-E2-0420	S	Compartments - Right Side, Rescue Style w/RUD (36/67.75/52 w/65" Interior Height)	1	FE
		R1		
		There shall be one-(1) right front compartment installed ahead of the rear axle. This compartment shall have one-(1) roll up door. The compartment shall be approximately 36" wide x 65" high x 27-1/2" deep		

PART NO	S	DESCRIPTION	QTY	ID
		in the lower section and 12" deep in the upper section. The compartment shall have a useable door opening of approximately 29-1/2" wide x 56" high.		
		R2 There shall be one-(1) compartment installed above the wheel well. This compartment shall have one-(1) roll up door. The compartment shall be approximately 67-3/4" wide x 33" high x 12" deep. The compartment shall have a useable door opening of approximately 61-1/4" wide x 24" high.		
		R3 There shall be one-(1) right rear compartment installed behind the rear axle. This compartment shall have one-(1) roll up door. The compartment shall be approximately 52" wide x 65" high x 27-1/2" deep in the lower section and 12" deep in the upper section. The compartment shall have a useable door opening of approximately 45-1/2" wide x 56" high.		
50-G8-4230		Compartment Door - Right Side Roll Up, ROM Painted (Slats & Door Frame) The paint color/code shall be red FLNA 3042.	3	FE
50-G8-6620		Cover - Roll-Up Door Interior	3	FE
50-I2-2220	S	Compartment - Center Rear, Full Height w/Roll Up Door B1 There shall be one-(1) compartment installed at the center rear of the apparatus. This compartment shall have one-(1) roll up door. The compartment shall be approximately 37" wide x 34" high x 34" deep. The compartment shall have a useable door opening of approximately 34-1/2" wide x 26" high. A louvered removable access panel will be furnished on the back wall of the compartment to access the fuel tank sending unit.	1	FE
50-I2-6030		Compartment Door - Rear Roll Up, ROM Satin Finish	1	FE
50-I2-6820		Cover - Roll-Up Door Interior	1	FE
50-I2-0220		Rear Body Construction - Beavertails	1	FE
60-A2-8020		Compartment - Full Depth, Per Compartment The left side compartments shall be full depth.	3	FE
62-A2-1020	S	Rack - Ladder, Ferrara Dual Arm Hydraulic Ferrara built ladder rack!!!! A hydraulically actuated, dual arm, swing down ladder rack, for use with ladders that have a combined weight of approximately 300-pounds, depending on boom length, shall be provided. The ladders shall be stored horizontally, directly above the officer side compartments. The actuator switch activate when the rack is in motion, the warning	1	FE

PART NO	DESCRIPTION	QTY	ID
	alarm shall be installed on the officer side rear body panel. An interlock system shall be provided whereas if any hinged compartment door on the right side of the body is open, the rack shall not operate.		
	The forward and rear ends of the ladder rack shall be equipped with red, flashing lights to warn when the rack is down. These lights shall automatically activate when the rack is not locked in the travel position.		
	Pneumatic power clamps lock booms in the stored position that shall automatically engage when the ladder rack is nested.		
	Deployment of the ladder rack from the stowed position to ground level shall be within 7 seconds.		
	An interlock will be provided to prevent operation of the ladder rack unless the apparatus parking brake has been activated.		
	A steady red indicator light will be located on the cab instrument panel and illuminated when the hydraulic ladder rack is not in the stowed position. The light will be labeled "Ladder Rack". In addition, the "Do Not Move Apparatus" light located in the cab will be activated when the hydraulic ladder rack is not in the stowed position.		
	Flashing amber lights facing the front and rear will be provided on the ladder rack and activated whenever the rack is in the down position.		
62-A2-8420	Bracket - Attic Ladder, Ziamatic FLB (Duo-Safety)	1	FE
62-B2-1220	Tubes (2) - Pike Pole Storage The tubes shall be located on the ladder rack.	1	FE
64-B2-0430	Compartment - Wheel Well Double Air Bottle, Left Front (FFA) The door shall be equipped with a Southco non-locking C2 chrome lever latch.	1	FE
64-B4-0430	Compartment - Wheel Well Double Air Bottle, Left Rear (FFA) The door shall be equipped with a Southco non-locking C2 chrome lever latch.	1	FE
64-B4-6620	Compartment - Wheel Well Double Extinguisher, Right Front (FFA) The door shall be equipped with a Southco non-locking C2 chrome lever latch.	1	FE
64-B6-6620	Compartment - Wheel Well Single CO2 Extinguisher, Right Rear (FFA) The door shall be equipped with a Southco non-locking C2 chrome lever latch.	1	FE

PART NO	S	DESCRIPTION	QTY	ID
64-B8-0220		<i>Doors - Wheel Well Compartments, Stainless Steel</i>	1	FE
66-A2-0220		Body Trim Package	1	FE
66-A2-0620		Body Trim - Vertical Handrails (2), Knurled Aluminum	1	FE
66-A2-1420		<i>Body Trim - NO Rear Stanchions</i>	1	FE
66-A2-1620	S	<i>Guards (2) - Body Corner Stone, Front</i>	1	FE
66-A2-2420		Fuel Fill - Recessed w/Door, Left Side	1	FE
66-A2-4420		Mud Flaps - Rear	1	FE
66-A2-6820		Rubrail - Modular Bodies	1	FE
66-A4-1240		<i>Step - 16" Rear, Aluminum Tread Plate</i>	1	FE
66-A4-4020		Step - Intermediate Rear, Aluminum Tread Plate	1	FE
66-A4-6220		<i>Step - Chrome Folding, Rear of Body</i>	4	FE
66-A4-6420		<i>Step - Chrome Folding, Additional</i>	1	FE
66-A4-8020	X	<i>Step - Body Wheel Well, Beverage Style</i>	1	
66-A4-8820	S	<i>Tow Bar w/Tow Eyes - Rear</i>	1	FE
		A tow bar will be installed under the tailboard at center of truck.		
		Tow bar will be fabricated of 1" CRS bar rolled into a 3" radius.		
		Tow bar assembly will be constructed of .38" structural angle. When force is applied to the bar, it will be transmitted to the frame rail.		
66-A6-2220		Handrail - Below Hose Bed, Knurled Aluminum	1	FE
66-A6-6420		<i>Handrail - Front of Body, 12" Knurled Aluminum</i>	1	FE
66-A8-1620		<i>Divider - Hose Bed, Pumper</i>	2	FE
66-A8-1620	X	<i>Partition - Front of Hose Bed</i>	1	
		The partition shall run side to side in the hose bed behind the fill towers.		
66-A8-6220		<i>Cover - Aluminum w/End Flaps, Pumper/Tanker/MVP (2-Piece Design)</i>	1	FE
		Chrome grab handles and gas filled cylinders will be provided to assist in opening and closing the cover. A handrail is to be provided at the rear, in the center of the support, to assist in opening the cover.		
		The covers shall be wired the door ajar system.		
66-A8-7220		<i>End Flap - Cargo Net w/Footman's Loop, Hose Bed</i>	1	FE
66-A8-8220		<i>Cover/End Flap Color: Black</i>	1	FE
66-A8-8820	S	<i>Hose Bed Capacity</i>	1	FE
		The hose bed shall have the capacity to hold the following:		
		1000' of 5" large diameter supply hose		
		800' of 2-1/2" double jacket fire hose		
		250' of 2-1/2" double jacket fire hose		
		A safety sign FAMA22, which warns of the need to secure hose, shall be visible to personnel at the hose storage area.		

PART NO	S	DESCRIPTION	QTY	ID
		== Body Components - Pumpers - 618.001 06/08/18 ==	1	FE
66-B2-0620		Unistruts - Aluminum, Per Compartment	1	FE
		The additional tracking shall be located in compartment B1.		
66-B2-1420		Shelf - Adjustable, 29-36"W x 12-15"D	1	FE
		The shelf shall be located in the upper section of compartment R1.		
66-B2-1620		Shelf - Additional Adjustable, 29-36"W x 12-15"D	1	FE
		The additional shelf shall be located in the upper section of compartment R1.		
66-B2-2220		Shelf - Adjustable, 49-60"W x 12-15"D	1	FE
		The shelf shall be located in the upper section of compartment R3.		
66-B2-4020		Shelf - Adjustable, 29-36" x 24-28"D	2	FE
		The shelf shall be located in compartment L1.		
66-B2-4820		Shelf - Adjustable, 49-60"W x 24-28"D	1	FE
		The shelf shall be located in compartment L3.		
66-C2-1820		Tray - 500 Pound Roll-Out, 19-36"W x 24-28"D	1	FE
		The tray shall be floor mounted in compartment B1.		
66-C2-2220		Tray - 500 Pound Roll-Out, 49-60"W x 24-28"D	1	FE
		The tray shall be floor mounted in compartment L3.		
66-D4-1820		Tool Board - Hinged Aluminum	1	FE
		The tool board shall be located in compartment L2.		
		The tool board shall be adjustable front to back.		
66-D4-2220		Tool Board - Aluminum Peg Board	2	FE
		There shall be a tool board on the back wall of compartment L2 and compartment R2.		
66-F4-1020		Turtle Tile - Compartment Floors, Black (Per Compartment)	1	FE
66-F4-1620		Turtle Tile - Compartment Shelf/Tray, Black (Per Shelf/Tray)	2	FE
		== Elec. Components - Pumper Custom - 618.001 06/08/18 ==	1	FE
		***** ELECTRICAL / COMPONENTS / ACCESSORIES *****	1	FE
70-A2-2020		Electrical System - Apparatus Body	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	1	FE
		INTERIOR COMPARTMENT LIGHTING	1	FE
70-E2-0420		Light - 18" LED Compartment, On Scene Night Axe 70005	6	FE
		There shall be two-(2) lights located in compartment L2, compartment R2 and compartment B1.		

PART NO	S	DESCRIPTION	QTY	ID
70-E2-1020		<i>Light - 45" LED Compartment, On Scene Night Axe 70018</i> There shall be two-(2) lights located in compartment L1, compartment L3, compartment R1 and compartment R3.	8	FE
70-H2-0220		Switch - Compartment Door Ajar Indicator	1	FE
72-G8-6020		<i>Zone A Upper Light Bar - 72" LED, Whelen Freedom IV F4N7QLED w/6 Additional LEDs</i> The following switches may be installed in the cab on the switch panel to control the light bar: *A switch to control the flashing LED modules. * The traffic light controller will be activated by a cab switch with emergency master control *There will be no momentary switch to activate the traffic light controller. The two-(2) white flashing LED modules and the traffic light controller will be disabled when the parking brake is applied. The eight-(8) red flashing LED modules in the front positions may be load managed when the parking brake is applied.	1	FE
72-G9-0220		<i>Opticom Emitter - Lightbar Mounted, GTT 795H LED</i>	1	FE
72-R8-4420		<i>Zone C Upper Lights (2) - Red LED Beacons, Whelen L31HRFN</i> The lights shall be located, one-(1) each side, on the compartment tops.	1	FE
72-S6-4820	S	<i>Zone C Upper Outboard Lights (2) - w/Clear Lens M6 LED, Whelen M6*C</i> Driver's Side: Red light w/clear lens (M6RC) Officer's Side: Blue light w/clear lens (M6BC)	1	FE
74-C8-9220		<i>Zone B & D Lower Front (2) - Red w/Clear Lens M6 LED, Whelen M6RC</i> The lights shall be located, one-(1) each side, on the bumper extension ends.	1	FE
74-D8-8220		<i>Zone B & D Lower Midship (2) - Red w/Clear Lens M6 LED, Whelen M6RC</i> The lights shall be located, one-(1) each side, in the body wheel well area.	1	FE
74-G8-1020		<i>Zone B & D Lower Rear (2) - Red w/Clear Lens LINZ6 LED, Whelen LINZ6R</i> The lights shall be located, one-(1) each side, below compartment L3 and compartment R3.	1	FE
74-H8-2020	S	<i>Zone C Lower Lights (2) - w/Clear Lens M6 LED, Whelen M6*C</i> Driver's Side: Blue light w/clear lens (M6BC) Officer's Side: Red light w/clear lens (M6RC)	1	FE

PART NO	S	DESCRIPTION	QTY	ID
74-J4-0620		Stop/Turn/Reverse Lights - LED, Whelen M6	1	FE
74-J4-2620		Housing - Rear Tail Light Assembly, M6FCV4	1	FE
74-J8-2020		Light - LED Rear Directional, Whelen TAM85	1	FE
		The controller will be energized when the battery switch is on.		
		The auxiliary flash not activated.		
		The traffic directing light control head will be located within a heavy duty swivel bracket centered between the driver and passenger.		
		This swivel bracket will enable the driver access as well as the passenger.		
74-J9-0420		Rear Directional Light Mounting - Recessed Mounted	1	FE
		12-VOLT APPARATUS LIGHTING / ACCESSORIES	1	FE
74-L0-0420	S	Lights (2) - 6" LED Deck, Whelen MPBW	1	FE
		There shall be two (2) Whelen, Model MPBW, white 12 volt DC LED floodlights with stud bail mount provided at the rear of the hose bed, one-(1) each side.		
		The lights will be activated by a control from the driver side switch panel.		
74-L0-2220		Lights - LED Clearance and Maker	1	FE
74-L0-4820		Lights (2) - Body Wheel Well Turn Signal/Marker, Weldon 9186-8580-29	1	FE
74-L2-0820		Light - 20" LED Underbody, Luma Bar H20 AY-9500-020	4	FE
		There shall be one-(1) light below each pump panel running board and one-(1) each side below the rear step.		
74-L2-4020		Light - LED License, Whelen OSC0EDCR	1	FE
74-L2-4420		Light - LED Perimeter Illumination, Whelen 3SC0CDCR	4	FE
		There shall one-(1) light each side on the lower front compartment face to illuminate the pump panel running boards and one-(1) each side lower inboard portion of the beavertails to illuminate the rear step.		
		The light will be activated when the body step lights are on.		
74-P2-1620		Lights (2) - M6 LED Scene, Whelen M6ZC	1	FE
74-P4-8020		Scene Light Locations - Upper Rear of Body, Outboard	1	FE
74-P4-8220		Switch - Upper Rear Scene Light Activation, Cab Mounted	1	FE
74-Q2-0420		Brow Light Location - Front of Cab, Centered	1	FE
74-Q4-1420		Light - 12 Volt 150 Watt LED Brow, Whelen Pioneer Plus PCH2	1	FE
74-Q8-8020		Switch - Brow Light Activation, Cab Mounted	1	FE
74-S2-0420		Telescoping Light Locations - Back of Cab	1	FE
74-S4-0420		Light - 12 Volt 20,000 Lumens LED Telescoping, FRC Spectra SPA530-Q20	2	FE
74-S8-0420		Switch - Telescoping Light Activation, Pump Panel	2	FE
		== Paint - SM Modular - 618.001 06/08/18 ==	1	FE

PART NO	S	DESCRIPTION	QTY	ID
80-C2-0220		Paint - Body/Cab	1	FE
80-C2-1620	S	Paint Color/Code: Red FLNA 3042 (FFA Red 7, Pierce 90)	1	FE
80-C4-0220		Paint - Custom Cab, Two Tone	1	FE
		The paint break line shall be the cab to down to the drop rail.		
80-C4-0420	S	Paint Color/Code: White 267	1	FE
80-C4-2220		Two-Tone Cab Break Line Stripe: Spun Gold	1	FE
80-D2-0420		Paint - Interior Compartment, "F-Shield" Modular Aluminum Bodies	1	FE
80-D2-2020		Paint - Interior Compartment Hardware, Dark Gray "F-Shield"	1	FE
80-D2-8020		Paint - Side Pump Panels, Black "F-Shield"	1	FE
80-E2-1820		Stripe - Scotchlite, 1-6-1 Triple	1	FE
80-E4-0420		Striping Color: White	1	FE
80-E4-4220		Pin Stripe/Secondary Stripe Color: White	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-E8-4020		Reflective Material - Designated Walking Surfaces	1	FE
80-G2-0220		Lettering - 3" Spun Gold w/Shade	1	FE
80-G6-0820		Shade Color: Black	1	FE