



Shop Order

Bulldog Fire Apparatus
 Chris Kuzio
 17 Winter Street
 P.O. Box 58
 Woodville, MA 01784
 ckuzio@bulldogfa.com



Exp. Date: 09/21/2022
Quote No: 10006-0009
Job/Order No: 7222
AERIAL: FMA-10-225 Aerial Custom - RM, HD77 300/400/500 Tank
LEGAL: FFA-00-100 Legals - Aerial
CHASS-CUSM: FCH-10-225 CHASSIS - Aerial RM, HD77 300/400/500 Tank
CHASS-MODS: FCM-10-300 Chassis Modifications - Custom
PUMP-ENC: FPE-30-400 Pump Enclosure - Rear Mount Ladder
BODY: FBA-10-320 Bodies - Aerial RML, HD77 300/400/500 Tank
BODY-CMNT: FBC-10-100 Body Components - Aerials
AERIAL: FAL-10-200 Aerial Ladder - Rear Mount, HD77
ELE-CMPNT: FEC-10-100 Elec. Components - Aerial RM Custom
PAINT: FPC-10-100 Paint - Ladder/Platform
WRNTY-MNLS: FWM-30-100 Warranty / Manuals - Aerials Custom RML
EQUIPMENT: FEP-10-100 Loose Equipment Pkg. - HD57 RML / HD77 RML
ADMN-PROMO: FPA-10-000 Administration

11/01/2022

PART NO	S	DESCRIPTION	QTY	ID
		== Legals - Aerial - 722.001 07/27/22 ==		FE
00-02-0220		Invitation to Bid (Aerial)	1	FE
00-06-0420		Payment Terms: Ferrara Standard	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: NOT TO EXCEED		
		Overall Height: NOT TO EXCEED		
		Wheelbase: NOT TO EXCEED		
		Cab to Axle: NOT TO EXCEED		
00-12-0820		Certified Welders	1	FE
00-14-0220		Drawings - Proposal	1	FE
00-14-0620		Drawings - Approval	1	FE
00-16-8820		Training - Aerial Lader Device (3 Days)	1	FE
00-18-0820		Vehicle Transportation - DEALERS ONLY!!!!!!!!!!	1	FE
00-18-1820		Delivery Time: Calendar Days	600	FE

PART NO	S	DESCRIPTION	QTY	ID
00-22-1020		Service Center (Edit Service Center) == CHASSIS - Aerial RM, HD77 300/400/500 Tank - 722.001 07/27/22 ==	1	FE FE
00-D2-0820		Custom XD Full Tilt Cab - CINDER AERIAL WHEELBASE / FRAMERAILS / COMPONENTS / ACCESSORIES	1	FE FE
02-A2-0220		Wheelbase: TBD	1	FE
02-A4-0420		Frame Rails - Double	1	FE
02-A4-2420		Paint - Frame Rail, "F-Shield"	1	FE
02-A4-2620		"F-Shield" Color: Black	1	FE
02-A6-1420		Tow Hooks - Chrome, Below the Bumper FRONT BUMPERS / COMPONENTS / ACCESSORIES	1	FE FE
02-B2-0420		Front Bumper - 12" High, Polished Stainless Steel w/Steel Backing Plate	1	FE
02-B2-2220		Front Bumper Feature Position	1	FE
02-C4-1820		Front Bumper Extension - 21"	1	FE
02-D2-0220		Gravelshield - Front Bumper Extension	1	FE
02-D4-0620		Compartment - Front Bumper, Center	1	FE
02-E6-1220		Cover - Flat Aluminum T/P w/Cut Out, Center Compartment	1	FE
02-M2-0220		Mechanical Siren - Federal Q2B, Surface Mounted The siren will be surface mounted on the front bumper in position 7.	1	FE
		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-M8-0620		Switch - Siren, Driver's Side Floor	1	FE
02-P2-0220	<	Air Horn - Driver's Side Thru Bumper, Hadley Round E-Tone The air horn will be located on the driver's side of the front bumper in position P6.	1	FE
02-P2-0420	<	Air Horn - Passenger's Side Thru Bumper, Hadley Round E-Tone The air horn will be located on the passenger's side of the front bumper in position P2.	1	FE
02-P6-0220		Switch - Air Horn, Driver's Side Floor	1	FE
02-P8-0420		Air Horn Wiring - Active All Modes	1	FE
02-R4-1020		Siren Speaker - Federal ES100C The speaker will be located on the driver's side of the front bumper in position P7.	1	FE
		FRONT AXLES / COMPONENTS / ACCESSORIES		FE
04-A2-1020		Front Axle - 24,000 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-B2-1220		Front Suspension - 24,000 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-D4-1620		Front Tires - Michelin 425/65R 22.5 "L" XFE 24,000 Pounds	1	FE
04-E2-4020		Front Wheels - 22-1/2" x 13", Alcoa Aluminum w/Dura Bright Finish	1	FE
04-E4-0220		Wheel Trim - Front, Baby Moons / Lug Nut Covers	1	FE
04-E4-2020		Mud Flaps - Front SINGLE REAR AXLES / COMPONENTS / ACCESSORIES	1	FE FE
04-G2-1620		Rear Axle - 35,000 Pounds, Meritor RS-35-185	1	FE
04-K2-8620		Rear Suspension - 35,000 Pounds, Spring	1	FE
04-M2-0220		Standard Differential - Single Axle	1	FE

PART NO	S	DESCRIPTION	QTY	ID
04-M6-0420		Vehicle Top Speed: 60-62 MPH	1	FE
04-P2-0620		Rear Brakes - S-Cam 16-1/2" x 8.62"	1	FE
04-R4-1425		Rear Tires - Michelin 315/80R22.5 "L" X WORKS XDY (35K Rear Axles)	1	FE
04-S2-2620		Rear Wheels - 22-1/2" x 9", Alcoa Aluminum w/Dura Bright Finish	1	FE
04-S2-6020		Wheel Trim - Rear, High Hat Covers / Lug Nut Covers	1	FE
04-S4-0220		Valve Stem Extensions (2) - Single Rear Axle	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-E2-0620		Battery System (6) - Exide (750 CCA Each)	1	FE
08-E4-0220		Battery Boxes - Stainless Steel	1	FE
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-E8-0620		Battery Charger - Auto Charge 1200, Kussmaul 091-187-12-REMOTE	1	FE
08-G2-0220		Air Compressor - 12-Volt, Kussmaul 091-9-12V	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-J2-0220		Fuel Tank - 50 Gallon	1	FE
10-J4-0220		Fuel Lines - Reinforced Wire Braided	1	FE
10-J4-0420		Valve - Fuel Shutoff	1	FE
10-J4-2020		Fuel Water Separator - Primary Filter	1	FE
10-J4-2620		Fuel Filter - Secondary Filter	1	FE

PART NO	S	DESCRIPTION	QTY	ID
10-J6-0420		DEF System w/5 Gallon Tank - Left Side Pump Module	1	FE
10-M2-0820		Exhaust System - EPA 2022	1	FE
10-M4-0220		Tailpipe Adapter - Plymovent 90360-1	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-C6-2020		Cab Roof - 8" Raised w/Aerial Notch (Aerial Applications Only)	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-A2-2020	S	Front Grille Logo - Custom/Lighted	1	FE
		The front grille will be have a custom logo that reads XXXXXX with backlit red LED lights that area activated by the battery on/off switch.		
		The grille logo will be determined at the pre-construction conference.		
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-A4-8620		Mirror - Additional Convex	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-G2-0420		Deluxe Insulation - Under Cab	1	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
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		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
		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

PART NO	S	DESCRIPTION	QTY	ID
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-P2-2820		A/C Condenser Housings: White	1	FE
		CUSTOM CAB / SEATING / AIR BAG PROTECTION / EMS		FE
		COMPARTMENTS		
16-A2-1220		Seating / EMS Compartments - Bostrom	1	FE
16-A8-0420		Seat Material - Bostrom Durawear	1	FE
16-A8-1220		Seat Color - Gray/Black	1	FE
16-A8-4020		Seat Belts - Standard 3-Point NON ABTS	1	FE
16-A8-5020		Seat Belt Extenders - IMMI Ready Reach	1	FE
16-A8-6620		SCBA Seats Brackets - Bostrom SecureAll	3	FE
16-A8-8020		No Filler Panels Required	1	FE
16-B4-0220		Seat - Driver, Bostrom Sierra Air-100 RX	1	FE
16-B4-2820		Seat - Officer Bostrom Tanker 450 SCBA	1	FE
16-C2-0620		Seat - DS Rear Facing Crew, Bostrom Tanker 450 SCBA	1	FE
16-D2-0620		Seat - OS Rear Facing Crew, Bostrom Tanker 450 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-K2-0820		Door - Center Forward Facing EMS Compartment, Cargo Net	1	FE
16-K4-0620		Light - EMS Compartment, LED Strip	1	FE
16-K6-0220		Shelf - Adjustable, Center Forward Facing EMS Compartment	1	FE
16-K8-0220		Receptacle - EMS Compartment, 120V Duplex Household	1	FE
16-K8-0420		Outlet - EMS Compartment, 12V Power	1	FE
		CUSTOM CAB - ACCESSORIES		FE
16-M2-0220		Sliding MDT Station	1	FE
16-M2-0620		Accessory Panel - Blue Sea 4365	1	FE
16-M2-2920		Radio Antenna Mount / Wiring - NMO	3	FE
		The coaxial cables will terminate in a location determined by the Fire Department.		
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-A2-0820		Front Cab Lighting - Federal LED	1	FE
18-A4-0830		Headlights - LED, FireTech FT-4X6-4KIT	1	FE
18-A6-0430		Lights (2) - Turn Signal, Federal QL64 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-B4-2000		Lights (2) - Inboard Lower Front Warning, Federal QL64-RR LED (Red)	1	FE
18-D2-1620		Lights (4) - LED Cab Ground, FireTech FT-CU-AQX	1	FE

PART NO	S	DESCRIPTION	QTY	ID
		AUDIO / VISUAL COMMUNICATION SYSTEMS		FE
18-M2-0220		Camera - Back Up w/Color Monitor, FRC TRUSIGHT BCA111-A00 == <i>Chassis Modifications - Custom - 722.001 07/27/22</i> ==	1	FE 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
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 == <i>Pump Enclosure - Rear Mount Ladder - 722.001 07/27/22</i> ==	1	FE 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	1	FE
20-D6-1220		Light - Right Side Pump Panel, LED Strip	1	FE
20-D8-0620		Light - Pump Compartment, LED	1	FE
20-F4-0220		Running Boards - Slotted Aluminum, Left & Right Side	1	FE
20-H4-0820		Switch - Air Horn, Pump Panel	1	FE
20-J2-0220		Gauges - Master Suction/Pressure, 4-1/2" Metal Face	1	FE
20-J4-1620		Pressure Governor - FRC Pump Boss PBA400-A00	1	FE
20-J4-4020		Return Line - Fill Subsurface	1	FE
20-J6-0220		Gauges - 2-1/2" Pressure, White Face	1	FE
20-J6-6020		Gauge Bezels - Chrome	1	FE
20-M4-0220		Tags - Pump Panel, Color Coded (Metal)	1	FE
		PUMP / COMPONENTS / ACCESSORIES		FE
22-A2-0420	>	Pump System - 1250-2000 GPM Single Stage, Hale QMAX	1	FE
22-F2-0220		Packing Glands - Hale	1	FE
22-G2-0220		Pump Shift - Cab Mounted	1	FE
22-J8-6420		Primer - Manual Air, Trident 31.001.2 (1250+ GPM)	1	FE

PART NO	S	DESCRIPTION	QTY	ID
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 Points - Hale Pumps</i>	1	FE
22-R2-1820		<i>Certification - Pump, 1500 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-G4-0220		Valve - Waterway Dump	1	FE
24-G4-0420		Valve - Waterway Drain	1	FE
24-G4-1220		Rear Inlet - Aerial Waterway, 4" Stainless Steel	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-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 (1/2")	1	FE
24-W2-0220		<i>Plumbing - Stainless Steel</i>	1	FE
24-W4-0220		<i>Plumbing Finish - Natural</i>	1	FE
26-A2-0220		<i>Apparatus Valves - Akron Brass 8800 Series</i>	1	FE
26-D2-0420		Suction - Left Side, 2-1/2" Valve w/Swing Control at Valve	1	FE
28-00-0140		DISCHARGE OUTLETS - AERIALS	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
28-A8-4620		<i>Valve - Front Bumper Discharge Blow Out</i>	1	FE
28-A8-6020		<i>Discharge - Swivel Stop, Tread plate</i>	1	FE
28-D4-0420		Crosslays (2) - Double Lay, 2" Valve w/Push Pull Control	1	FE
28-D6-2020		<i>Crosslay - Double Lay, 2-1/2" Valve w/Push Pull Control</i>	1	FE
28-D8-0820		Cover - Hypalon w/End Flaps, Crosslays	1	FE
28-D8-2630		<i>End Flaps - Hypalon w/Bungee Cords, Crosslays</i>	1	FE
28-D8-6020		<i>Cover/End Flaps Color: Red</i>	1	FE
28-H8-0420		Discharges (2) - Left Side, 2-1/2" Valve w/Push-Pull Control	1	FE
28-K2-8020		Discharge - Left Panel, Aerial Waterway 4" Valve w/Electric Control	1	FE
28-K2-9920		Flowmeter - Pump Panel, Fire Research DFA400-040	1	FE
28-K4-0220		<i>Discharge - Right Side, 2-1/2" Valve w/Push-Pull Control</i>	1	FE
28-K4-6020		<i>Discharge - Right Side, 4" Valve w/Electric Control</i>	1	FE
		== Bodies - Aerial RML, HD77 300/400/500 Tank - 722.001 07/27/22 ==		FE
		WATER TANKS / COMPONENTS / ACCESSORIES		FE
32-A2-2420		<i>Water Tank - Polypropylene, 500 Gallons</i>	1	FE
32-D8-0420		<i>Certification - NFPA Water Tank Size</i>	1	FE
34-A2-1220		<i>Gauge - Water Level, Tank Vision Pro WLA300-A00</i>	1	FE
56-A2-0420		Body - Extruded Aluminum, HD77-S Rear Mount Ladder	1	FE
56-B2-1020		Body Sub Frame - Extruded Aluminum	1	FE
56-B2-4025		Body/Compartment Construction - HD57 / HD77 Aerials	1	FE
56-B2-4420		Wheel Well Panels & Fenders - Body, Aluminum Tread plate	1	FE
56-B2-4820		<i>Fenderettes - Polished Stainless Steel</i>	1	FE
56-B2-6020		<i>Hose Bed - Rear Mount Ladder</i>	1	FE
56-B2-6620		<i>Hose Chute - Right Rear</i>	1	FE
56-C2-2620		<i>Compartments - Left Side, Rescue Style w/NO Hose Chute</i>	1	FE
56-D2-2220		<i>Compartments - Right Side, Rescue Style w/Hose Chute</i>	1	FE
56-D8-0620		<i>Compartment Door - Roll Up, Satin Finish</i>	8	FE
56-D8-1420		<i>Pull Down Strap - Compartment Door</i>	8	FE

PART NO	S	DESCRIPTION	QTY	ID
56-D8-4620		<i>Drip Pan - Door Interior (Roll Up Doors Only)</i>	8	FE
56-E2-0220		<i>Turntable Access - Swing Out, Left Rear</i>	1	FE
56-E2-0420		<i>Turntable Access - Swing Out, Right Rear</i>	1	FE
56-E4-0220		Compartment - Ladder/Pike Pole Storage, Torque Box	1	FE
56-E4-1420	S	<i>Compartment Door - Ladder Compartment, Hinged, NON_Locking Flush Look</i>	1	FE
		<i>The hinged door will be lift up style with two-(2) strut rods to hold the door in the open position.</i>		
56-E4-4020		Tubes (6) - Pike Pole Storage	1	FE
56-E4-6820		Cover Plates - Outrigger, Polished Stainless Steel	1	FE
60-A2-4820		Vertical Load Test - Body	1	FE
64-B2-0430		<i>Compartment - Wheel Well Double Air Bottle (FFA)</i>	4	FE
64-B8-0620		<i>Doors - Wheel Well Compartments, Painted Aluminum</i>	4	FE
66-A2-0420		Body Trim Package	1	FE
66-A2-2420		Fuel Fill - Recessed w/Door, Left Side	1	FE
66-A2-4420		Mud Flaps - Rear	1	FE
66-A2-4820		<i>Rub Rail - Extruded Aluminum w/ Reflective stripe</i>	1	FE
66-A2-6020		<i>Rub Rail - Reflective Striping, White</i>	1	FE
66-A4-4420		Step - Chrome Folding, Front of Body	2	FE
66-A4-8820		Tow Eyes (2) - Rear, Below Body	1	FE
66-A4-8900		Storage Rack - Outrigger Ground Pads	1	FE
66-A4-8950		<i>Pads (4) - Magnetic Auxiliary Stabilizer</i>	1	FE
66-A6-0620		<i>Handrails (2) - Aerial Access, Knurled Aluminum</i>	2	FE
66-A6-6420		Handrail - Front of Body, 12" Knurled Aluminum	2	FE
66-A8-2020		Divider - Hose Bed, Aerial	1	FE
66-A8-4220		Cover - Hose Bed, Hypalon	1	FE
66-A8-6820		<i>End Flap - Hypalon w/Bungee Cords, Hose Bed</i>	1	FE
66-A8-8020		Cover/End Flap Color: Red	1	FE
66-A8-8820	<	Hose Bed Capacity	1	FE
		<i>The hose bed shall have the capacity to hold the following:</i>		
		<i>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.</i>		
		<i>A safety sign FAMA22, which warns of the need to secure hose, shall be visible to personnel at the hose storage area.</i>		
		<i>== Body Components - Aerials - 722.001 07/27/22 ==</i>		FE
		<i>== Aerial Ladder - Rear Mount, HD77 - 722.001 07/27/22 ==</i>		FE
68-A2-2420		Ladder - 77' Rear Mount	1	FE
68-A6-0420		Specifications - 77' Rear Mount Ladder	1	FE
68-B2-0420		Construction / Dimensions - 77' Rear Mount Ladder	1	FE
68-C2-1020		Covers - Rung, Serrated Rubber	1	FE
68-C2-2020		Egress - Bolt-On	1	FE
68-C2-2220		Steps (2) - Folding, Fly Section	1	FE
68-C2-2420		Eyelets - Rescue, Aerial Fly Section	1	FE
68-C2-4020		Extension Indicator Base Section	1	FE
68-C2-4420		Angle Indicator - Lighted, Aerial Base Section	1	FE
68-C2-6220	>	Sign Plates (2), Ladder Base Section, White	1	FE

PART NO	S	DESCRIPTION	QTY	ID
68-C4-0420		Torque Box	1	FE
68-C4-6020	>	Travel Support - Rear Mount Ladders, Heavy Duty	1	FE
68-D2-0420		Hydraulic System	1	FE
68-D2-4020		Power Take-Off	1	FE
68-D2-4420		Hydraulic Pump	1	FE
68-D4-8020		Gauges - Hydraulic Pressure	1	FE
68-D4-8220		Filter - High Pressure Filter, 3 Micron	1	FE
68-D4-8420		Kit - Filter Isolation	1	FE
68-D4-8620		Emergency Pump	1	FE
68-D4-8820		Swivel - Hydraulic	1	FE
68-D4-9020		Swivel - Electric	1	FE
68-D6-0420		Elevation System	1	FE
68-D6-4220		Extension / Retraction System	1	FE
68-D6-6820		Extension / Retraction System Pulleys - Greaseless	1	FE
68-D6-8020		Wear Pads / Bearing Surfaces	1	FE
68-D8-0420		Rotation Bearing - Heavy Duty	1	FE
68-D8-2220		Rotation Gear Box	1	FE
68-D8-4020		Tool Kit	1	FE
68-E2-0620		Stabilizers - Rear	1	FE
68-E2-4020		Outrigger Cylinder Stroke	1	FE
68-E4-1020		Locks - Stabilizer, Mechanical	1	FE
68-E4-2040		Hot Dip Galvanizing - Outriggers	1	FE
68-E4-4020		Stabilizer - Extension System	1	FE
68-E4-6220		Lights - Stabilizer Work, LED	1	FE
68-E6-0220		Lights - Stabilizer Warning, LED	1	FE
68-F2-0220		Controls - Stabilizer, Electric/Hydraulic	1	FE
68-F2-1020		Controls - Ground Station	1	FE
68-F4-0620		Turntable	1	FE
68-F6-1220		Safety Chains - Stainless Steel	1	FE
68-F6-2020	<	Controls - Turntable Console	1	FE
		The lid shall be pre-wired for the door ajar system.		
68-F6-4820		Remote Ladder Creeper Control at Ladder Tip	1	FE
68-F6-8020		Load Sensing System - Automatic	1	FE
68-F6-8620		Switch - Air Horns, Turntable Mounted	1	FE
68-G2-0220		Interlock System - Aerial Stow Operation w/Indicator Light	1	FE
68-G2-0420		Interlock System - Cab/ Body Damage Control	1	FE
68-G2-0620		Interlock System - Rotation	1	FE
68-G2-0820		Retraction Safety System	1	FE
68-G2-1020		Interlock System - Cradle	1	FE
68-H2-0420		Waterway System	1	FE
68-H2-2220		Waterway Material	1	FE
68-H2-4420		Waterway - Retractable / Dual Position, Electric	1	FE
68-H4-0630		Monitor - Akron 3480 w/5178 1500 GPM Nozzle, 165-Degree Travel	1	FE
68-H4-8820		Capabilities Monitor Flowing Water	1	FE
68-H6-4020		Radio Remote Control - 6 Function Ladder	1	FE
68-H6-4420		Wireless Remote - Monitor Functions (Akron/Elkhart)	1	FE
68-H6-6020		Master Stream - Controls, Tip/Turntable	1	FE
68-H8-2020		Valve - Waterway Relief	1	FE
68-J2-0220		Communication System - 2 Way/2 Station	1	FE

PART NO	S	DESCRIPTION	QTY	ID
68-M2-0220		Electrical System - E-Chain	1	FE
68-M2-2820		<i>Lights (4) - Turntable Work, LED</i>	1	FE
68-M4-1420		<i>Floodlights (2) - Aerial Base Section, FRC SoBrite SRA100-07B</i>	1	FE
68-M6-3820		<i>Spot/Floodlight - Left Aerial Tip Section, Fire Tech FT-WL-X-12-FT-W</i>	1	FE
68-M8-2620		<i>Spot/Floodlight - Right Aerial Tip Section, Fire Tech FT-WL-X-9-FT-W</i>	1	FE
68-P2-0420		Lighting - Blue LED Rung Illumination	1	FE
68-R2-0220		Paint - Aerial Device, Standard White	1	FE
68-R2-2620		Paint - Aerial Monitor, Red	1	FE
68-S2-0420		Load Chart - Aerial	1	FE
68-S6-0220		Safety Signs - Aerial Applications, NFPA 2016	1	FE
68-S6-2420		Plate - Aerial Information Specification	1	FE
68-T2-0220		Testing - Third Party	1	FE
68-T2-4020		Testing - Stability	1	FE
68-T2-8020		Certificate - Inspection	1	FE
68-T8-2020		Internal Corrosion Protection	1	FE
		== Elec. Components - Aerial RM Custom - 722.001 07/27/22 ==		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 - LED Compartment, On Scene Solutions Access Series	7	FE
70-H2-0220		Switch - Compartment Door Ajar Indicator	1	FE
72-G2-4020		<i>Zone A Upper Light Bars (2) - 25" LED, Federal Navigator NVG25-0001</i>	1	FE
72-P4-0220		<i>Zone B/D Upper Body Side Rear (2) - Red w/Clear Lns, Federal MicroPulse MPSW9-R</i>	1	FE
		There will be one-(1) light installed on each side of the apparatus on the upper rear corners of the body.		
72-S4-0220		<i>Zone C Upper Outboard Lights (4) - Red w/Clear Lens, Federal MicroPulse MPSW9-R</i>	1	FE
		There will be two-(2) lights installed on each side of the apparatus on the upper rear of the unit.		
74-D2-0220		<i>Zone B & D Lower Front (2) - Red w/Clear Lens, Federal IMPAXX IPX300-4</i>	1	FE
		There will be one-(1) light located on each side of the apparatus on the front bumper ends.		
74-E4-0220		<i>Zone B & D Lower Midship (2) - Red w/Clear Lens, Federal IMPAXX IPX300-4</i>	1	FE
		There will be one-(1) light located on each side of the apparatus in the body wheel well area.		
74-E6-0220		<i>Outrigger Cover Plate Lights (2) - Red w/Clear Lens, Federal IMPAXX IPX300-4</i>	1	FE
74-G4-0220		<i>Zone B & D Lower Rear (2) - Red w/Clear Lens, Federal IMPAXX IPX300-4</i>	1	FE

PART NO	S	DESCRIPTION	QTY	ID
		There will be one-(1) light located on each side of the apparatus below compartments L4 / R4.		
74-H4-4820		Zone C Lower Lights (2) - Red LED, Federal QuadraFlare QL64XF-R There will be one-(1) light located on each side of the apparatus in the rear tail light housings.	1	FE
74-J2-4020		Stop/Turn/Reverse Lights - LED, Federal QL64 Series	1	FE
74-J2-6220		Housing - Rear Tail Light Assembly, Federal QL64Z4H	1	FE
74-J8-4820		Light - LED Rear Directional, Federal Latitude SL6S-A	1	FE
74-J9-0220		Rear Directional Light Mounting - Surface Mount	1	FE
74-J9-6020		Control Head Location - Traffic Light, Centered Top of Dash	1	FE
		12-VOLT APPARATUS LIGHTING / ACCESSORIES		FE
74-L0-2220		Lights - LED Clearance and Maker	1	FE
74-L2-4020		Light - LED License, Whelen OAOCEDCR	1	FE
74-L4-6020		12-Volt Power Outlet - Compartment Mounted Locations: TBD	4	FE
74-L4-6220		Wiring - 12-Volt Outlet, Battery Direct	4	FE
74-P2-8620		Lights (2) - 12 Volt LED Scene, FRC Spectra 900 SPA900-Q70 There will be one-(1) light located on each side of the apparatus directly behind the cab front doors in the raised roof section.	1	FE
74-Q8-9030		Light - 12 Volt 20" LED Brow, FireTech FT-MB-15-FT-W (White Housing) The light will be centered across the front of the cab.	3	FE
76-D4-1020		Receptacle - 20 AMP/120V Duplex Household Locations: TBD The receptacles will be sired to the shore line.	4	FE
		== Paint - Ladder/Platfrom - 722.001 07/27/22 ==		FE
80-C2-0220		Paint - Body/Cab	1	FE
80-C2-2620		Paint Color/Code: Special	1	FE
80-C4-0220		Paint - Custom Cab, Two Tone	1	FE
80-C4-1620		Paint Color/Code: Special	1	FE
80-D2-0620		Paint - Interior Compartment, "F-Shield" Extruded Bodies	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
		== Warranty / Manuals - Aerials Custom RML - 722.001 07/27/22 ==		FE
98-A2-0420		Warranty - Body Material & Workmanship, 2-Year / 36,000 Miles	1	FE
98-A2-1020		Warranty - Custom Chassis Material & Workmanship, 2-Year / 36,000 Miles	1	FE
98-A2-4020		Warranty - Aerial / Platform, S-Series	1	FE
98-A4-0210		Warranty - Cab Structural, 10-Year / 100,000 Miles (Aluminum)	1	FE
98-A4-0420		Warranty - Body Structure, 10-Year / 100,000 Miles (Aluminum)	1	FE
98-A6-0210		Warranty - Cab Paint / Perforation, 10 Year	1	FE
98-A6-0220		Warranty - Body Paint / Perforation, 10 Year	1	FE
98-A8-0220		Warranty - Frame Assembly Structure, 50-Year / 250,000 Mile	1	FE

PART NO	S	DESCRIPTION	QTY	ID
98-A8-1220		Warranty - Axles, Hendrickson / Meritor	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-A8-6020		Warranty - Hale Pumps	1	FE
98-A8-8020		Warranty - Plumbing System, 10-Year / 100,000 Miles	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. - HD57 RML / HD77 RML - 722.001 07/27/22		FE
		==		
90-A2-0420	<	Equipment Package - NFPA 1901 2016, Fire Department Supplied The loose equipment as outlined in NFPA 1901, 2016 edition, section 8.9 thru 8.9.5.3 shall be provided by the fire department unless it is listed in this proposal. All loose equipment shall be installed on the apparatus before placed in emergency service, unless the Fire Department authorized agent signs the State of Exception as listed in the NFPA 1901 Standard for Automotive Fire Apparatus sections 4.21 thru 4.21.2.	1	FE
90-B2-0220		Aerial Ground Ladders, HD57 RML / HD77 RML / HD100 MMP	1	FE
90-C2-0420		Ladder - 10' Folding Attic, Alco-Lite FL-10	1	FE
90-C6-0620		Ladder - 16' Roof, Alco-Lite PRL-16	2	FE
90-D4-0620		Ladder - 14' Combination, Alco-Lite CJL-14	1	FE
90-D6-1020		Ladder - 24' 2-Section Extension, Alco-Lite PEL-24	1	FE
90-E4-0620		Ladder - 35' 3-Section Extension, Alco-Lite PEL3-35	1	FE
90-L6-0220		Pike Pole - 6' Fiberglass	2	FE
90-L6-0420		Pike Pole - 8' Fiberglass	2	FE
90-L6-0820		Pike Pole - 12' Fiberglass	2	FE
96-C2-0220		Wheel Chocs (2) - Folding, Ziamatic SAC-44-E	1	FE
96-C2-0420		Holder (2) - Wheel Chocs, Ziamatic SQCH-44-H	1	FE
96-E2-0220		Ladder / Escape Belt w/Pompier Hook	4	FE
		== Administration - 722.001 07/27/22 ==		FE