



# Shop Order

Town of Florenceville-Bristol  
 19 Station Road  
 Florenceville-Bristol, NB E7L 3J8

<b>Sales Rep:</b> Jacques Pelletier Metalfab Ltd.	<b>Terms:</b> Chassis Net 10 days, body and equipment COD
<b>Drawing #:</b> FT-11145-B	
<b>Est. Delivery Date:</b> / /	
<b>Customer PO #:</b>	<b>Penalty:</b>
<b>Customer #:</b> 1470	None
<b>QPF #:</b>	

**Quote No:** FlorencevilleBristol-0511  
**Job/Order No:** 20946  
 05/21/2020

PART NO	QTY	DESCRIPTION
	1	== Metalfab Pumper - ULC 05/13 - 0.000 ==
	1	<b>CHANGE ORDER D</b>
00-10-1500	1	Metalfab Pumper E
00-20-1000	1	Company Profile E
00-20-1500	1	Standard Body Warranty
00-20-1550	1	Metalfab Limited Ten (10) Year Paint and Corrosion Warranty
<b>00-20-1700</b>	<b>1</b>	<b>Hale Pump Warranty - 5 years</b>
00-20-1800	1	Polypropylene Tank Lifetime Warranty
00-20-2000	1	Plant Visits - unlimited at customer expense
00-20-3000	1	No Bonding Required
00-20-3500	1	Certification for Fusion Welding of Aluminum
<b>00-20-4000</b>	<b>1</b>	<b>Quality System registered to ISO 9001:2015</b>
00-20-4500	1	Fire Apparatus Manufacturers' Association Membership
	1	<b>GENERAL INFORMATION</b>
10-11-0000	1	Intent E
<b>10-11-0105</b>	<b>1</b>	<b>Vehicle Data Recorder not requested E</b>
<b>10-11-1100</b>	<b>1</b>	<b>ULC S515-13 Compliance</b>
10-11-1500	1	ULC Testing - Pumper
10-11-2100	1	Maximum length not specified E
10-11-2200	1	Maximum height not specified E
10-11-2300	1	Overall length is less than 30'
10-11-2500	1	General Construction
<b>10-11-2600</b>	<b>1</b>	<b>Preconstruction Meeting</b> Time and location to be determined
10-11-3000	1	Manuals - two copies
<b>10-11-3600</b>	<b>1</b>	<b>Delivery - FOB Fire Department - minimum eight hours training</b>
10-11-4000	1	Payment Terms - Chassis Net 10 days, Balance COD
10-20-1000	1	Hose bed capacity - standard ULC Pumper
<b>10-20-2000</b>	<b>1</b>	<b>Equipment carrying capacity - standard ULC Pumper</b> This vehicle is designed to carry the standard ULC miscellaneous equipment load of 2000 pounds.
	1	<b>CHASSIS INFORMATION</b>
<b>20-11-1000</b>	<b>1</b>	<b>Chassis supplied by Metalfab - Freightliner M2112- FireMaxx air rear suspension</b> Two Door Freightliner M2 112

PART NO	QTY	DESCRIPTION
		44,600 lbs GVWR 14,600 lbs front 30,000 lbs rear, Cummins L9 450 HP @ 2100 rpm 2200 governed rpm 1250 lb/ft torque @ 1400 rpm Allison 3000 EVS automatic transmission, 6 speed, RH top PTO opening 275 Amp alternator 189 litre fuel tank, left side under cab Manual windows and door locks ESC Aluminum wheels, A/C, Painted sun visor Locking rear differential Paint code to be B9326 EA Flame Red Elite BC to match last unit (M18-19881)
20-11-1500	1	2013 Emission chassis modifications
20-11-1700	1	<b>Chassis Motor Vehicle Inspection required - NB E</b> Chassis is provided with a New Brunswick Motor Vehicle Inspection dated the month of delivery.
20-21-0500	1	<b>Fluid capacity plate</b>
20-21-0600	1	<b>Pumping test plate</b>
20-21-1000	1	<b>Maximum riders sign - 2 persons</b>
20-21-1500	1	<b>Seat belt warning labels - 2 door chassis</b>
20-21-1530	1	<b>Tire Pressure Indicators - Single Axle</b> Ship tire pressure indicators loose for customer install as discussed with Chief Cogle on 05.20.2020
20-21-1600	1	<b>Apparatus Information Label</b> An information label is provided in the chassis cab, visible to the driver, stating: "When manufactured, this vehicle was: ** m high ** m long ** kg GVW Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"
20-21-2000	1	Non removable key
20-21-3500	1	Rear step warning label
20-21-3810	1	<b>Front mudflaps provided with chassis E</b>
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only
20-31-0500	1	<b>Alum tread fuel tank trim, Conv - 2 door</b> Vertical trim only, OEM cab steps remain
20-31-1900	1	<b>Chassis cab single color by chassis OEM</b>
20-31-4700	1	<b>Extend front bumper, gravshld with preconnected hosewell and front turret</b> ***Bumper to be extended 20" ahead of cab to carry the desired amount of hose in the center compartment. There will be a trash line and front turret. Capacity of hose well to store 150' x 1-3/4" hose and nozzle.
20-31-7000	1	<b>SS nut covers, hub caps and high hats - single axle</b>
20-31-7500	1	<b>Console in cab</b> Install switch panel (50-11-0900), siren (50-11-14AA), radio provisions (50-35-0500), PTO shift (30-51-1501), PTO hour meter (70-21-2100), front bumper monitor control (80-99-05AA), and pump shift indicator lights (30-51-0400) in console. Storage area with hinged cover and lift and turn latch provided at rear of console. Adequate room in front of console to be provided for fire extinguisher storage. Gray Zolatone finish ***Layout to be similar to the last unit where possible as discussed at the Pre-construction meeting of 07.09.2019*** A print to be prepared before building it for Customer sign-off. Console layout was approved by Andrew Cogle by e-mail on 03.06.2020

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>20-41-0900</b>	<b>1</b>	<b>Auxiliary braking system disabled when pumping</b>
20-41-1100	1	Transmission programming - Allison WT ***Includes "Pump Engaged" light next to pump shift on chassis instrument panel.
20-41-1500	1	Extend exhaust pipe - RS front of rear wheels E Engineering to specify exhaust pipe material as required by the chassis manufacturer. Engineering to sign off on the exhaust configuration to make sure it meets the chassis manufacturer's emission specifications.
<b>20-41-1800</b>	<b>1</b>	<b>Battery boost terminals required</b> <b>Located in left side chassis step area.</b>
20-41-2000	1	Chassis batteries remain in OEM location
20-41-2510	1	Fuel fill at step fuel tank under cab
20-41-2600	1	Chassis fuel tank remains in OEM location
<b>20-41-5010</b>	<b>1</b>	<b>Rear Tow Hooks - through rear of body in back compartment with cover plates</b> <b>There will be a rubber gasket and stainless steel trim around the tow eye openings.</b>
<b>20-51-0700</b>	<b>1</b>	<b>Master Battery Disconnect included with chassis</b>
<b>20-51-2500</b>	<b>1</b>	<b>Back up alarm included with chassis</b>
20-51-3400	1	Protection valve installed for air operated accessories
<b>20-51-4000</b>	<b>1</b>	<b>Auto eject for air inlet - LS</b> <b>Located on left side chassis step</b>
<b>20-51-6200</b>	<b>1</b>	<b>120 volt 20 A shore line connection in chassis cab</b> <b>For battery charger 20-51-6500 to plug into. Minimum 12" off floor level to meet ULC requirements.</b>
<b>20-51-6500</b>	<b>1</b>	<b>Kussmaul Autocharge 1000 battery conditioner w/battery saver</b> <b>Battery condition to be located behind console/drivers seat and will plug into the 20-51-6200 outlet.</b>
<b>20-51-7102</b>	<b>1</b>	<b>Electric System Manager with V-MUX</b>
<b>20-51-7300</b>	<b>1</b>	<b>Low Voltage Alarm in cab - VMUX</b> <b>Audible alarm and indicator light</b>
<b>20-51-7500</b>	<b>1</b>	<b>Super Auto eject for 120 v - 20 A with sealed enclosure</b> <b>Installed on the LS chassis step</b>
<b>20-51-8510</b>	<b>1</b>	<b>Engine compartment light LED</b> <b>Switched when park brake is set.</b>
<b>20-51-9001</b>	<b>1</b>	<b>Air horns as supplied with chassis</b> <b>Chassis is equipped with air horns on hood controlled by dual lanyards in cab.</b>
<b>20-52-3500</b>	<b>1</b>	<b>Chassis steering wheel lined up by Metalfab E</b>
<b>20-52-4009</b>	<b>1</b>	<b>Pro Vision Video Systems - Front, right, left and rear view camera system - DVR</b> <b>Monitor to be mounted on dash inside cab on a rigid mount. There will be a second monitor installed on the left side pump panel as requested on page 17 of the tender.</b> <b>Cameras mounted similar to Bath, NB M18-20025</b> <b>Metalfab p/n 1530928 (ref PO #64470)</b> <b>SOPT #1247 - truck specific</b> <b>The VDR will start recording with the ignition switch as discussed at the pre-construction meeting of 07.09.2019.</b>
20-60-0400	1	Chassis wheelbase does not change
	<b>1</b>	<b>PUMP AND PLUMBING</b>
<b>30-11-3010</b>	<b>1</b>	<b>Hale Non-Manifold PTO pump</b>
<b>30-11-31AA</b>	<b>1</b>	<b>Hale RSD 1050 IGPM PTO pump</b> <b>Driven by PTO located on top right hand of transmission (one o'clock position).</b> <b>SOPT 1105</b>

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
30-15-0304	1	<b>Plumbing - non manifold pump SM SS E</b>
30-20-0500	1	Valves and controls - side mount panel
30-20-1003	1	<b>Elkhart valves</b> Suction and discharge valves are Elkhart brand.
30-20-1620	1	<b>Piping stainless steel - non manifold Pumper</b>
30-20-1700	1	<b>1-1/2" thread specifications - NPSH</b>
30-20-1800	1	<b>2-1/2" thread specifications BCT (3x8)</b>
30-20-2000	1	<b>Piping hydrostatic test</b>
30-20-2510	1	<b>Anodes in suction and discharge piping - non manifold pump</b> Install one anode on discharge side of pump, one anode on suction side of pump - do not use teflon tape or thread sealant. Paint flange silver and mask brass anode before painting for visibility.
30-21-9510	1	<b>Tank to Pump 4" Ball valve SS, handwheel control with check valve manifold pump</b> Elkhart GWP-4.0 hand wheel with position indicator.
30-22-0520	1	<b>Tank Fill valve 2" SS</b>
30-31-4020	1	<b>Suction - 6" gated each side SS non manifold pump 6" header</b>
30-31-7100	2	<b>Hale master intake suction valve - handwheel control</b> Suction to be gated are left and right. Hand wheel control for left side will be on the left side pump panel adjacent to the suction inlet. Hand wheel control of the right side will be on the left side pump panel adjacent to the Trident Pre-Primer 30-51-7716 as discussed at the pre-construction meeting of 07.09.2019
30-32-7550	1	<b>Suction - 2-1/2" left side SS, bleeder, non manifold pump</b>
30-40-2006	1	<b>4" right discharge, SS, bleeder, plumbed 3", non manifold pump</b>
30-41-2040	1	<b>2-1/2" RS discharge SS, bleeder, non manifold pump</b>
30-41-2540	1	<b>2-1/2" LS discharge SS, bleeder, non manifold pump</b>
30-42-8520	2	<b>1-1/2" rear discharge SS, plumbed 2"</b> *** Outboard left and right side of the walkway at the front bulkhead as shown on the proposal drawing. Ample clearance to be left around CP Adapter so hose wrenches can be used to attach and tighten fire hose.
30-43-1520	2	<b>2-1/2" rear discharge SS, plumbed 2-1/2", bleeder</b> Located side by side on right side rear under hose bed - right most discharge shall be plumbed for foam.
30-44-1020	1	<b>1-1/2" front trash line SS, plumbed 2", hosewell</b> Capacity in hose well for minimum 150' x 1.3/4" fire hose and nozzle.
30-44-1040	1	<b>2" front discharge for monitor, electric valve and monitor extra</b> To front bumper area for 80-99-05AA Sidewinder monitor
30-44-6520	1	<b>Piping for monitor SS, plumbed 3", bleeder</b> Offset to the right side in open area over pump house for the Akron 3423 monitor 80-16-0500. Top of pipe to be even with the top of the pump house as shown on the proposal drawing.
30-51-0400	1	<b>Pump shift - PTO Pump and Roll</b> ***Includes "Pump Engaged" indicator lights in cab and on the pump panel ***Includes "Throttle Ready" indicator light on Pump operating panel Includes indicator light showing "OK TO PUMP" when transmission is in neutral, park brake is set, and PTO control energized. The remote electronic throttle will be energized in this mode. Includes indicator light in cab showing "OK TO PUMP AND ROLL" when the transmission is not in neutral, the park brake is not set, and the PTO control is energized. The remote electronic throttle will not be energized in this mode.

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
30-51-1500	1	<b>Power shift PTO - Automatic transmission</b>
30-51-1501	1	<b>PTO driveshaft E</b>
30-51-6800	1	<b>FRC InControl Governor/Throttle engine display with throttle knob</b>
30-51-7002	2	<b>Suction side relief V/V, non manifold pump</b>
30-51-7716	1	<b>Trident Automatic Air Primer 3 barrel 3 location</b> Location #1 - Main pump Location #2 - Left side Master Intake Location #3 - Right side Master Intake
30-51-7720	1	<b>Additional air tank for air primer system</b> An additional air tank is provided to improve air primer capacity. Included with the Freightliner chassis - Plumbing by Metalfab.
30-51-8100	1	<b>Heat exchanger included with chassis</b>
30-52-1000	1	Master drain V/V, 12 port
30-52-2000	1	<b>Drain valve for foam system header</b>
30-52-5510	1	<b>Foam system-Hypro FoamPro 2001 Single Tank</b> The 1-1/2" hose bed pre-connects (2), front trash line, front monitor discharge and one 2-1/2" rear (right side only) are to be foam solution capable. Confirmed at pre-construction meeting of 07.09.2019.
30-52-8100	1	<b>Electric foam fill pump with panel pickup</b> There shall be one (1) pump panel foam pick up connection for the foam tank, located on the right-side pump panel. Control for the foam fill pump shall be located on the right-side pump panel. Included will be a hose with the mating connection to the panel connection to allow filling from a ground level foam pail. The hose shall be stored inside the right-side pump access door on a bracket.
30-52-9100	1	<b>Foam concentrate label at foam tank fill</b>
30-52-9200	1	<b>Foam System Instruction Plates</b>
30-52-9400	1	<b>NFPA Foam System certification test</b>
		<b>WATER AND FOAM TANKS</b>
40-11-2100	1	Polypropylene water tank (Imperial gallons)
40-11-2200	1	Water tank capacity certification (tank manufacturer)
40-11-5500	1	<b>Tank capacity 1200 Imperial Gallons</b>
40-12-5000	1	<b>Foam cell - 30 Imperial gallon</b>
40-21-1000	1	<b>4" tank to pump connection</b>
40-22-0500	1	<b>2" tank fill connection</b>
40-23-0500	1	1" water level gauge connection
40-23-1000	1	<b>1" foam level gauge connection</b>
40-23-1040	1	<b>3" direct fill connection (at front of tank for 40-31-8015)</b>
40-23-1060	1	<b>10" Newton dump connection</b>
40-30-0500	1	<b>Sump drain valve (3" gate valve) with linkage E</b> Located left side of tank so no interference with drive line or exhaust.
40-30-1000	1	Water Fill Box front left corner
40-31-0400	1	<b>Rear dump valve not requested - provisions only E</b>
40-31-8015	1	<b>4" direct tank fill, RS pump panel, 3" valve, slow close, bleeder</b> There will be a 4" direct fill installed on the RS pump panel. It will be controlled with a pull valve control beside the connection, it will have a 3" slow close valve and bleeder.
40-99-05AA	1	<b>Dump valve provision only</b> There will be a dump valve provision installed on the tank to allow the future installation of a dump valve. An access hole and cover plate will be installed in the back compartment.
		<b>ELECTRICAL</b>
50-11-0300	1	<b>Base electrical system - multiplex E</b>

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
50-11-0600	1	<b>Warning Light Certification</b>
50-11-0700	1	<b>Low Voltage Electrical system test</b>
50-11-0800	1	<b>Low Voltage Electrical System Documents</b> As required by ULC and NFPA standards
50-11-0900	1	<b>Rocker switch panel with master warning switch</b> ***Rocker switch assignments: MASTER -LIGHT BAR -REAR BEACONS -FLASHING WARNING -REAR FLOODS -DITCH LIGHTS
50-11-1470	1	<b>Whelen 200 Watt Siren - Model 295SLSC1</b> P/N 1570997 SOPT #954a
50-11-1630	1	<b>Siren speaker, 200 Watt, in front bumper</b>
50-11-2600	1	<b>Siren to be accessible to driver and officer</b>
50-11-5815	1	<b>Federal LPX53DS-NFPA lightbar</b> Red only - all lights are enabled in both Response and Scene modes - flash pattern to change when park brake is set. SOPT #798
50-11-58AA	1	<b>Federal Lighting package</b>
50-11-66AA	1	<b>Rear LED Traffic Advisor warning lights - surface mount</b> TAM83 with TACTL5 control to match last rescue truck M18-19881.
50-11-9015	1	<b>Rear Beacons, Federal NVG10 (pr), both red</b> SOPT #1063 - truck specific
50-12-5028	1	<b>Front LED flashers (pr)-red Federal QL43-RR</b> Located in front grille
50-12-5118	1	<b>Rear LED flashers (pr)-red Federal QL43-RR</b> Located above tail lights on fire extinguisher boxes.
50-12-5218	1	<b>Front side inter lts (pr)-red LED Federal QL43-RR</b> Located in bumper tails
50-12-5318	1	<b>Body side inter lts (pr)-red LED Federal QL43-RR</b> Located in rear fenders in upper rearward corners
50-21-1505	1	<b>Unity LED rear Floods (pr)</b> Switched in cab and on light head. These lights cannot be managed as they are required for ULC. SOPT #255a
50-21-1610	1	<b>Parking (ditch) lights in rear fenders - LED w/ SS housing (pr)</b> There will be a pair of LED ditch lights installed in the rear fender well. They will be controlled by a switch in the cab and with the reverse of the transmission. These lights can be managed to shed. SOPT 160a
50-21-5100	1	Compartment lighting - LED tube lights in each compartment (rollup doors)
50-21-5500	1	<b>Door Ajar warning light</b> To be installed above the driver seating position. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on" ***To include pump house door ajar disable when in Pump and Roll mode.***

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
50-21-5550	1	<b>Equipment rack not stowed warning light</b> For the LAS and Command Light To be located above the driver seating position Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-8001	1	<b>Step lights for body steps - LED</b> Switched when park brake is set.
50-21-8200	1	<b>Step lights for chassis steps - LED</b> Switched when park brake is set.
50-21-83AA	1	<b>LED lighting for rear step/platform</b> Switched with the park brake. SOPT 307b
50-21-8600	1	LED clearance lts and reflectors
50-22-0700	1	<b>Whelen 64 LED tail/brake-turn-backup module (pr)</b>
50-31-6550	1	<b>Ground lighting (LED Lumabar) - 2 door chassis</b> Switched when park brake is set.
50-31-6570	1	<b>Ground lighting (LED Lumabar) - side mount body</b> Switched when park brake is set.
50-35-0510	2	<b>Provisions for Customer's mobile radio</b> Provision for two (2) customer radios is provided in the chassis console 20-31-7500. 12-Volt power and ground is provided for these radios, through the master switch and fused for 30A. Customer to provide make, model and dimensions of the radio's so proper cutouts can be made. Radio #1 - Motorola Radius GM300 Radio #2 - Provincial TMR Customer confirmed by e-mail on August 7th that power is through ignition
50-35-0600	2	<b>Antenna base only for commercial chassis complete with chrome raincap</b> Cable will be routed to the 20-31-7500 console and properly labeled. Customer to specify any special mounting location or spacing requirements, otherwise antenna base will be installed behind the lightbar one left and one right side.
50-99-05AA	1	<b>Command Light - 12VDC - KL415D-FS - no back light</b> There will be a Command Light installed on the top of the pump house (off set to left side to clear Monitor). It will be a KL415D-FS with four (4) Spectra light heads at 20,000 lumens each and total of 80,000 lumens. The remote control will be installed on the Pump panel as discussed with Chief Cogle Command light will be wired to the Equipment not stowed warning light 50-21-5550 to indicate when light tower is not stowed. SOPT 1223 The orientation of the tower will be for the arm / light heads to be on the left side of the body when deployed to allow more room around the monitor for a firefighter. As discussed at the Pre-construction meeting of 07.09.2019.
50-99-10AA	1	<b>Hose bed cover lights - 4 x 40" Lumabars</b> Switched when park brake is set.
50-99-25AA	1	<b>LED lighting for walkway in center of hose bed</b> 3 x 20" Lumabars Switched when park brake is set.

PART NO	QTY	DESCRIPTION
	<b>1</b>	<b>BODY</b>
60-10-1400	1	Single axle extruded aluminum body
<b>60-10-15AA</b>	<b>1</b>	<b>1" drop at door sill of compartment floors</b>
60-10-4100	1	No "beavertail" rear step supports
60-10-4600	1	Painted fender surround E
60-10-4700	1	Integral aluminum fender trim
60-10-5400	1	Diamondback pumphouse steps
60-10-5430	1	Diamondback 19" rear step
60-10-6000	1	Extruded rub rail
<b>60-11-0300</b>	<b>1</b>	<b>Front left side compartments full height E</b>
<b>60-11-0600</b>	<b>1</b>	<b>Front right side compartments intermediate height</b>
<b>60-11-1000</b>	<b>1</b>	<b>Rear left side compartments full height E</b>
<b>60-11-1300</b>	<b>1</b>	<b>Rear right side compartments intermediate height</b>
<b>60-11-1900</b>	<b>1</b>	<b>Low side compartment (up to 18") each</b> Over right side rear wheel wheel
<b>60-11-2000</b>	<b>1</b>	<b>High side compartment (over 18") each</b> Over left side rear wheel wheel
60-11-3200	1	Full Height Rear compartment
<b>60-11-5500</b>	<b>2</b>	<b>Rollup door - standard height</b> For the compartments over left and right side rear wheel wheels. Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
<b>60-11-5510</b>	<b>2</b>	<b>Rollup door - intermediate height</b> For the right side front and rear compartments Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
<b>60-11-5520</b>	<b>3</b>	<b>Rollup door - full height</b> For the left side front and rear compartments and the back compartment. Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
<b>60-11-5530</b>	<b>1</b>	<b>Rollup door - to enclose pump panel</b> Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
<b>60-11-5655</b>	<b>1</b>	<b>Amdor pull straps - Flex - HD For L2 compartment</b> Order with doors.
<b>60-11-5660</b>	<b>4</b>	<b>Amdor pull straps - Flex - HD For L1, L3 and B1 and pump panel door</b> Order with doors.
60-31-4100	1	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface
<b>60-31-5000</b>	<b>1</b>	<b>Zico access Ladder at rear of unit</b> Minimum 7" clearance between rung and any obstruction
<b>60-31-5602</b>	<b>1</b>	<b>Steps and grab handles at front of body next to pump panel - RS only</b> Maximum height between steps is 18" There will be two (2) folding steps below the intermediate pump panel step 70-11-4500 and one folding step above. To match sddrawing and as discussed at the Pre-construction meeting of 07.09.2019.
<b>60-31-5800</b>	<b>1</b>	<b>Special step over rear compartment</b> To be as wide as possible over back compartment on rear face of body. Maximum height between step and hose bed is 18"



PART NO	QTY	DESCRIPTION
		Required lighting Include yellow delineation at edges
60-31-6500	1	<b>Compartment matting-Interlocking tile</b>
60-31-8800	4	<b>Sliding tray (ea) - 600 pound capacity</b> All slide out trays installed at floor level; Tray #1 - Left side front compartment Tray #2 - Left side rear compartment Tray #3 - Right side front compartment Tray #4 - Right side rear compartment ***Hardware requires 3-1/2" of compartment height Reflective stripe is applied on the exposed edge for visibility when the compartment door is open
60-31-9600	7	<b>Adjustable shelf (ea)</b> Shelves are installed in the following compartments; Shelf #1 - Left side front compartment - Shallow depth Shelf #2 - Left side front compartment - Shallow depth Shelf #3 - Left side rear compartment - Shallow depth Shelf #4 - Left side rear compartment - Shallow depth Shelf #5 - Right side front compartment - Shallow depth Shelf #6 - Right side rear compartment - Shallow depth Shelf #7 - Left side over rear wheels - Shallow depth Reflective stripe is applied on the exposed edge for visibility when the compartment door is open.
60-32-3570	1	<b>Four adjustable hose divider (each) and 2 fixed for walkway</b> Hand hold required in end There will be two (2) adjustable partition installed on each side of the fixed dividers.
60-32-7500	1	<b>Hose bed - aluminum</b> The aluminum slats shall also be included in the area around the water and foam fill towers and the front storage area ahead of the front partition.
60-33-0000	1	Paint exterior - Imron Elite
60-33-0200	1	Undercoat vehicle with KROWN rust protection
60-33-0600	1	<b>Chassis wheels not painted</b> Polished Aluminum wheels
60-33-1000	1	Paint pump and plumbing job colour
60-33-1500	1	Buffed finish compartment interior
60-33-2200	1	<b>Lettering - 80 letters up to 3" tall - 3 colour</b> *** Vinyl letters, Fire Department to provide details on location and text. "911" shall be installed in red reflective on each rear side compartment doors to match previous truck.
60-33-3000	1	<b>Reflective stripe - 4" white</b> 50% of perimeter each side and 25% of perimeter front. 3M Scotchlite material
60-33-3310	1	<b>Reflective stripe - red and yellow chevron at rear</b> Minimum 50% of rear vertical surface
60-33-3580	1	<b>Non slip overlay on top walkway in hose bed</b> There will be a non-slip surface (embossed aluminum treadplate) installed in the walkway to meet ULC.
60-33-4700	1	<b>No crosslay preconnects on vehicle E</b>
60-33-5000	1	<b>Aluminum cover over hose bed with end tarps - black E</b> Door ajar switches required. Rear flaps with Velcro straps will be provided on the rear of the cover to tie around the

PART NO	QTY	DESCRIPTION
		rear handrail. Include 4' longitudinal handrails centered each side (for opening hose cover(s) from top walkway)
60-40-5500	2	<b>Suction hose tube (each) with door</b> To store the 6" x 12' suction hoses 80-11-5020. Located under the tee of the water tank with rear access doors with lift and turn latches. Door ajar switch required. Tubes to be enclosed to prevent dust/dirt infiltration. Stainless steel bump plate surrounds required at rear around door opening.
60-40-8500	2	<b>Tail light box Fire Extinguisher tubes (pr)</b> For storage of the ABC fire extinguisher 80-17-0500 and the C02 fire extinguisher 80-17-1000. PAC 1006-B Adjustamount straps will be installed to secure extinguishers in the tubes
60-41-1030	1	<b>Storage tubes for attic ladder and two pike poles with rear access door</b> To store the 10' attic ladder 80-14-8500, the 10' pike pole 80-13-2500 and the 6' pike pole 80-13-2510. Located under the right side fender top with a rear access stainless steel door with lift and turn latch. Door ajar switch required. Stainless steel bump plate surrounds required at rear around door opening.
60-41-9001	1	<b>Zico hydraulic Ladder Access system</b> Right side - for the storage of the 24' 2 section extension ladder 80-14-0500 and the 14' roof ladder 80-14-5500 To be wired so only operable when park brake is engaged. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.
60-41-9010	1	<b>ZICO LAS switched at rear above tail light E</b> Switch is located on same side as electric rack - right side
	1	<b>INSTRUMENTATION</b>
70-11-0000	1	<b>Warning Label on Pump Operator's Panel</b>
70-11-0501	1	<b>Side mount instrument panel with rollup door LS only</b> No gauge or visual display can be higher than 84" above the operator's standing position Midpoint of any control cannot be higher than 72" above the operator's standing position
70-11-1500	1	<b>Stainless steel instrument panels</b> No gauge or visual display can be higher than 84" above the operator's standing position Midpoint of any control cannot be higher than 72" above the operator's standing position
70-11-3200	1	<b>Colour coded tags</b>
70-11-4500	1	<b>Diamondback grip type panel hood step right side</b> Include yellow delineation around perimeter.
70-11-5100	1	<b>Open storage at rear top of pump house</b> Drain holes required. Plastic matting installed on floor. Lighting required. Lighting will be activated when park brake is set.
70-11-5500	1	<b>Right side tread plate pump access door</b> No opening dimension less than 18"
70-11-7500	1	<b>Heat pan-aluminum</b>
70-11-8000	1	<b>Heater in pump compartment</b> Switched on pump operators panel.

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
70-11-8200	1	<b>Rubber seal around suction and discharge openings on panel</b> There will be rubber seals around every suction and discharge openings on the pump panel. SOPT 483
70-20-2130	10	<b>2-1/2" pressure gauge - dual face 0-400 - Thuemling</b> Thuemling control rod assembly with 2-1/2" 0-400 dual scale pressure gauge/bezel assembly (colored bezel)
70-20-2500	1	<b>Primer control</b> For the main pump
70-20-2501	2	<b>Additional Primer control</b> For the left and right side MIV's.
70-20-3300	1	<b>FRC InControl Governor Control</b> Throttle can be no lower than 42" and no higher than 72" from operator's standing position.
70-20-3500	1	Electric water level gauge on pump panel, Class One
70-20-3588	1	<b>Tank level indicator lights - Whelen TIR3 Super LED</b> There will be Whelen TIR3 Super LED water level gauges installed on each side (upper rear corners of pump house) and the rear of the body (upper left corner of body). Wire to be disabled when park brake is released. SOPT 715
70-20-6500	1	Test gauge panel
70-20-7500	1	<b>Heat exchanger control valve</b>
70-21-1500	1	<b>Electric Foam Level gauge on pump panel, Class One</b>
70-21-2100	1	<b>PTO Hourmeter</b> Located in cab console.
70-21-5500	1	<b>Panel readout for Battery Conditioner</b> Located in left side step area adjacent to the Auto eject.
	1	<b>ACCESSORIES</b>
80-11-5005	2	<b>6" x 12' suction hoses</b> There will be two (2) 6" x 12' suction hoses supplied with the unit. Tube mounted.
80-12-2500	1	<b>6" barrel strainer</b> Mounted on the mounting plate 80-12-2510 in a location to be determined - in back compartment as discussed with Chief Cogle on 05.20.2020
80-12-2510	1	<b>Supply and install mount for 6" barrel strainer</b> P/N 1501175 - SOPT #51 Mounted in a location to be determined - in back compartment as discussed with Chief Cogle on 05.20.2020
80-12-4502	1	<b>TFT A03HNX-JET Low Level strainer - 6" with jet</b> To achieve pump capacity through the low level strainer P/N 1500702 SOPT #394 Mounted in a location to be determined - in back compartment as discussed with Chief Cogle on 05.20.2020
80-13-0500	1	<b>Rubber mallet - with fibreglass handle</b> Mounted with the Toolok 80-13-0513 in a location to be determined - on the side of the pump panel as discussed with Chief Cogle on 05.20.2020
80-13-0510	1	<b>PAC Toolok 1003 for mounting rubber mallet</b> P/N 1562258 - SOPT #319

PART NO	QTY	DESCRIPTION
		Mounted in a location to be determined - on the side of the pump panel as discussed with Chief Cogle on 05.20.2020
80-13-1200	3	<i>Clare hose wrenches (double) with holder</i> Mounted on left side pump panel, right side pump panel and on rear of body where room permits.
80-13-1500	1	<i>Bar with bracket</i> Mounted horizontally under the rear compartment roll up door bottom fascia.
80-13-2500	1	<i>Pike pole, fibreglass handle - 10' long</i> Tube mounted.
80-13-2510	1	<i>Pike pole, fibreglass handle - 6' long</i> Tube mounted.
80-13-4000	1	<i>Axe, pick head, yellow fibreglass handle and bracket</i> ***Non slip hand hold*** P/N 1520133 Mounting location to be the side wall of the back compartment as discussed at the Pre-construction meeting of 07.09.2019.
80-13-4500	1	<i>Axe, flat head, fibreglass handle and bracket</i> ***Non slip hand hold*** Mounting location to be the side wall of the back compartment as discussed at the Pre-construction meeting of 07.09.2019.
80-14-0500	1	<i>24' 2 section extension ladder PEL 24</i> Mounted on LAS
80-14-5500	1	<i>14' aluminum roof ladder PRL-14</i> Mounted on LAS
80-14-8500	1	<i>10' aluminum folding attic ladder FL-10</i> Tube mounted.
80-15-7020	1	<i>6" x 45-degree elbow</i> There will be a 6" x 45-degree elbow supplied with the unit. SOPT 584 Shipped loose, not mounted. Customer will mount on Customer supplied bracket.
80-16-0500	1	<i>Akron 3423 Portable/deck monitor with stacked tips</i> Direct mount and monitor will be installed on monitor piping 30-44-6520. The ground base will be shipped loose (not mounted).
80-17-0500	1	<i>20# dry chemical fire extinguisher</i> Tube mounted.
80-17-1000	1	<i>15# CO2 fire extinguisher</i> Tube mounted.
80-17-1500	1	<i>2.5 gallon water extinguisher with mount</i> Ship loose as discussed with Chief Cogle on 05.20.2020
80-19-0500	2	<i>Large folding wheel chock - aluminum (ea) not mounted</i> Stored in brackets 80-19-0600.
80-19-0600	2	<i>Horizontal bracket for folding wheel chock (ea)</i> Mounting location to be under the shelf at depth change of L1 compartment as discussed with Chief Cogle on 05.20.2020

PART NO	QTY	DESCRIPTION
80-99-05AA	1	<p><b>Elkhart Sidewinder electric monitor with toggle box controller</b></p> <p>There will be an Elkhart Sidewinder monitor installed on the front bumper extension. It will have s toggle box controller installed on the chassis console and a SM-10FE nozzle as follows;</p> <p>An Elkhart 8494-01 Electric Sidewinder Remote Monitor with switchbox / toggle box control is supplied with the unit. The monitor shall be installed on the front bumper and come complete with an electric discharge valve to be controlled from the switchbox / toggle box control. The swtichbox / toggle box control shall be mounted in the chassis cab to the officer's side on the 20-31-7500 console on a cable - see photo 4488, ref Middlesex Centre - M12-16260. A pressure gauge will also be required in cab to meet ULC (see same photo)</p> <p>SOPT #887a - Truck specific</p> <p>Elkhart part numbers;</p> <p>8494111 - Sidewinder electric monitor</p> <p>3817301 - SM-10FE Nozzle - When ordering the SM-10FE nozzle, order as Automatic (not fixed-flow)</p> <p>81181001 - 2" electric valve kit</p> <p>81342001 - Quick connect base, 2.0</p> <p>81122001 - Switchbox / toggle box for cab</p> <p>***Engineering to confirm the above numbers before ordering***</p> <p>Part number 1521049 includes above items except the Quick connect base.</p> <p>SOPT 887a - Truck specific</p>