



Shop Order

Whycocomagh Volunteer Fire Department  
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<b>Sales Rep:</b> Ryan Stacey Metalfab Ltd	<b>Terms:</b> Chassis Net 10 days, Body and Equipment COD
<b>Drawing #:</b> FT-11609	
<b>Est. Delivery Date:</b> / /	
<b>Customer PO #:</b>	<b>Penalty:</b>
<b>Customer #:</b> 1047	None - Delivery approximately 12-18 months
<b>QPF #:</b>	

**Exp. Date:** 01/04/2023  
**Quote No:** RWHNS-0017  
**Job/Order No:** 22843  
**BODY:** 00-10-15 Metalfab Pumper - ULC 05/13

06/26/2024

PART NO	QTY	DESCRIPTION
<b>== Metalfab Pumper - ULC 05/13 - 0.000 ==</b>		
<b>Change Order H</b>		
00-05-0010	1	Dealer - Metalfab
00-10-1500	1	Metalfab Pumper
00-20-1000	1	Company Profile
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
<b>00-20-3000</b>	<b>1</b>	<b>No Bonding Requested</b>
00-20-3500	1	Certification for Fusion Welding of Steel and Aluminum
00-20-4000	1	Quality System registered to ISO 9001:2015
00-20-4500	1	Fire Apparatus Manufacturers' Association Membership
<b>GENERAL INFORMATION</b>		
10-11-0000	1	Intent
10-11-0105	1	Vehicle Data Recorder not requested
10-11-1100	1	ULC S515-13 Compliance
10-11-1500	1	ULC Testing - Pumper - Imperial units of measure
10-11-2100	1	Maximum length not specified
10-11-2200	1	Maximum height not specified
<b>10-11-2400</b>	<b>1</b>	<b>Overall length is 30' or more</b>
10-11-2500	1	General Construction
10-11-3000	1	Manuals - two copies
***Two copies of chassis manuals are required.		

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>10-11-3600</b>	<b>1</b>	<b>Delivery - FOB Fire Department</b>
10-11-4000	1	Payment Terms - Chassis Net 10 days, Balance COD
<b>10-20-1400</b>	<b>1</b>	<b>Hose capacity exceeding ULC/NFPA requirements -</b> Hose bed will carry the following from left to right: <b>600' of 4" rubber hi-vol</b> <b>400' of 1.75" hose</b> <b>400' of 2.5"</b> <b>***Additional weight calculation of 318 lbs</b>
<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
<b>CHASSIS INFORMATION</b>		
<b>20-11-10AA</b>	<b>1</b>	<b>Chassis supplied by Metalfab - Freightliner 114SD, 2 door</b>
20-11-1500	1	2013 Emission chassis modifications
<b>20-11-1600</b>	<b>1</b>	<b>Chassis Motor Vehicle Inspection as supplied by chassis dealership</b>
20-21-0500	1	Fluid capacity plate
20-21-0600	1	Pumping test plate
20-21-1000	1	Maximum riders sign - 2 persons
20-21-1500	1	Seat belt warning labels - 2 door chassis
20-21-1560	1	LED Tire Pressure Indicators - Single Axle
20-21-1600	1	Apparatus Information Label 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
20-21-2500	1	Shifter lock not required
20-21-3500	1	Rear step warning label
20-21-3800	1	Front mudflaps
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only
<b>20-31-0500</b>	<b>1</b>	<b>Alum tread fuel tank trim, Conv - 2 door</b> Vertical trim only, OEM cab steps remain
<b>20-31-1900</b>	<b>1</b>	<b>Chassis cab painted single color by chassis OEM</b>
<b>20-31-7500</b>	<b>1</b>	<b>Console in cab</b> Install the following: <b>30-51-0400 - PTO Pump switch</b> <b>50-11-1400 - Siren</b> <b>50-11-6615 - Traffic advisor</b> <b>50-35-0500 - Customer supplied radios</b> <b>70-21-2100 - PTO hourmeter</b> Storage area with hinged cover and lift and turn latch provided at rear of console. Gray Zolatone finish
<b>20-41-0600</b>	<b>1</b>	<b>Intake air shutoff for engine not requested</b>
<b>20-41-0900</b>	<b>1</b>	<b>Auxiliary braking system disabled when pumping</b>

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>20-41-1140</b>	<b>1</b>	<b>Transmission programming - Allison WT for PTO driven pumps</b>
20-41-1500	1	Extend exhaust pipe - RS front of rear wheels 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.
20-41-1900	1	Battery boost terminals with chassis
<b>20-41-2000</b>	<b>1</b>	<b>Chassis batteries relocated from frame rail</b>
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</b> *** Flat bar tow hooks through rear of body (inside back compartment) with rubber seals and stainless steel slotted plates >>>Smaller "Spartan" style flatbar to match Mabou Unit #M22-22131
<b>20-51-0710</b>	<b>1</b>	<b>Master Battery Disconnect included with Freightliner 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> To be located on LS chassis step
<b>20-51-6200</b>	<b>2</b>	<b>120 volt 20 A shore line connection in chassis cab</b> Standard 5-20R duplex receptacle in chassis cab, not fused Locations 1. On back wall of cab for battery conditioner 2. L1 compartment - upper left side Minimum 12" from floor to meet ULC
<b>20-51-6500</b>	<b>1</b>	<b>Kussmaul Autocharge 1000 battery conditioner w/battery saver</b> Located back side of console / floor area and plugged into shoreline 20-51-6200
<b>20-51-7101</b>	<b>1</b>	<b>Electric System Management VMUX</b>
<b>20-51-7500</b>	<b>1</b>	<b>Super Auto eject for 120 v - 20 A with sealed enclosure</b> To be located on LS chassis step Minimum 24" from grade to meet ULC
<b>20-51-8505</b>	<b>1</b>	<b>Engine compartment light included with chassis</b> The light will be controlled by the OEM switch on the chassis dash
<b>20-51-9001</b>	<b>1</b>	<b>Air horns and controls as supplied by chassis OEM</b> Horns to be located on hood and lanyard controls at both driver and officer seating position
<b>20-52-0010</b>	<b>1</b>	<b>Air horn control/actuation on pump operators panel</b> Label as "Air Horn" unless otherwise specified ***Will require installation of electric solenoid for activation***
<b>20-52-3500</b>	<b>1</b>	<b>Chassis steering wheel lined up by Metalfab</b>
<b>20-52-4001</b>	<b>1</b>	<b>Rear View Camera system 7"</b> Rearview Systems STM7000 with 7" colour monitor mounted on cab dash
20-60-0400	1	Chassis wheelbase does not change
<b>PUMP AND PLUMBING</b>		

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
30-11-3012	1	<b>Hale RSD-J PTO driven pump - 1050 IGPM</b>
30-15-0304	1	<b>Plumbing - non manifold pump SM SS</b>
30-20-0500	1	Valves and controls - side mount panel
30-20-1003	1	<b>Elkhart valves specified</b>
30-20-1600	1	<b>Piping stainless steel - general</b>
30-20-1700	1	<b>1-1/2" thread specifications NPSH</b> Thread spec is NPSH Sample thread couplings have been supplied by the WFD and are on the truck shelf in the parts room. These sample couplings are to be returned to the Department with the finished unit upon delivery.
30-20-1800	1	<b>2-1/2" thread specifications NSZ1</b> Thread spec is 3.234 x 5 Sample thread couplings have been supplied by the WFD and are on the truck shelf in the parts room. These sample couplings are to be returned to the Department with the finished unit upon delivery.
30-20-2000	1	Piping hydrostatic test
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.
30-21-9600	1	<b>Tank to pump 4" Ball Valve SS, handwheel control, check valve non manifold pump</b>
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> Order with 6" x 6" tubes
30-31-7100	2	<b>Hale master intake suction valve - handwheel control</b> Suction to be gated are left and right with both controls on the left side pump panel
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, plumbed 3", non manifold pump</b>
30-41-2040	1	<b>2-1/2" RS discharge SS, bleeder, non manifold pump</b> End cap not required - included in 80-99-20AA adapter
30-41-2540	2	<b>2-1/2" LS discharge SS, bleeder, non manifold pump</b> End cap not required - included in 80-99-20AA adapter
30-42-8520	2	<b>1-1/2" rear discharge SS, plumbed 2"</b> Installed on each side of the walkway at the front of the hose bed Load capacity: 200' single stack on the left side of the walkway 200' single stack on the right side of the walkway The connection can be behind the front partition to allow use of hose wrench and make lay as narrow as possible for single lay
30-43-1520	2	<b>2-1/2" rear discharge SS, plumbed 2-1/2", bleeder</b> *** One each side as shown on the proposal drawing End cap not required - included in 80-99-20AA adapter

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>30-44-6520</b>	<b>1</b>	<b>Piping for monitor SS, plumbed 3", bleeder</b> Make and Model of Monitor - Akron Direct Mount 3423 (80-16-05AA) The monitor will be centered from front to back and left to right unless otherwise specified Base of monitor to be flush with top of pump house to allow 360-degree rotation
<b>30-51-0400</b>	<b>1</b>	<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 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. *** The indicator lights will be located above the driver seat position ***
<b>30-51-1500</b>	<b>1</b>	<b>Power shift PTO - Automatic transmission</b> Located in console 20-31-7500 complete with a guard to prevent accidental activation
<b>30-51-1501</b>	<b>1</b>	<b>PTO driveshaft</b>
<b>30-51-6800</b>	<b>1</b>	<b>FRC InControl Governor/Throttle engine display with throttle knob</b>
<b>30-51-7000</b>	<b>2</b>	<b>Suction side relief V/V, non manifold pump</b>
<b>30-51-7716</b>	<b>1</b>	<b>Trident Automatic Air Primer 3 barrel 3 location</b> Location #1 - Main Pump Location #2 - Left side MIV pre-primer Location #3 - Right side MIV pre-primer
<b>30-51-7720</b>	<b>1</b>	<b>Additional air tank for air primer system</b> An additional air tank is provided to improve air primer capacity Order with the chassis.
<b>30-51-8000</b>	<b>1</b>	<b>Heat exchanger</b>
<b>30-51-9000</b>	<b>1</b>	<b>Thermal Relief Valve</b> Order separate from pump Light and alarm not requested
<b>30-52-1000</b>	<b>1</b>	Master drain V/V, 12 port
<b>30-52-3001</b>	<b>1</b>	Foam system not requested E
<b>WATER AND FOAM TANKS</b>		
<b>40-11-2100</b>	<b>1</b>	Polypropylene water tank (Imperial gallons)
<b>40-11-2200</b>	<b>1</b>	Water tank capacity certification (tank manufacturer)
<b>40-11-6000</b>	<b>1</b>	<b>Tank capacity 1400 Imperial Gallons</b>
<b>40-21-1000</b>	<b>1</b>	<b>4" tank to pump connection</b>
<b>40-22-0500</b>	<b>1</b>	<b>2" tank fill connection</b>
<b>40-23-0500</b>	<b>1</b>	<b>3/4" water level gauge connection</b>
<b>40-23-0500</b>	<b>1</b>	<b>1" water level gauge connection</b>
<b>40-23-1050</b>	<b>1</b>	<b>4" Fireman's Friend connection - Offset to right</b>
<b>40-23-1060</b>	<b>1</b>	<b>10" Newton dump connection - Offset to left</b>
<b>40-30-0500</b>	<b>1</b>	<b>Sump drain valve (3" gate valve) with linkage</b>
<b>40-30-1000</b>	<b>1</b>	Water Fill Box front left corner
<b>40-31-3500</b>	<b>1</b>	<b>10" rear Newton dump, stainless steel</b> Offset left of center in back compartment

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
40-31-3600	1	<b>Newton dump - stainless steel 36" telechute</b>
40-31-4710	1	<b>Newton dump, top mount operation, SS</b> Lock open device is required
40-31-5500	1	<b>Electric operator for Newton dump, top mount , single switch</b> Switch located on back of body over the left side tail light module
40-31-9000	1	<b>4" Storz rear fill, Fireman's Friend</b> Offset right of center in back compartment Leave ample room to use wrenches and coupling to be as close to rollup door to make connecting as easy as possible
<b>ELECTRICAL</b>		
50-11-0300	1	<b>Base electrical system - multiplex</b>
50-11-0600	1	Warning Light Certification
50-11-0700	1	Low Voltage Electrical system test
50-11-0800	1	Low Voltage Electrical System Documents As required by ULC and NFPA standards
50-11-0900	1	<b>Rocker switch panel with master warning switch - at chassis ceiling</b> ***Rocker switch assignments: -E-MASTER -LIGHT BAR RED -LIGHT BAR WHT -FLASHING WARNING -REAR BEACONS  -LEFT SCENE -REAR SCENE -RIGHT SCENE -LEFT TELELT -RIGHT TELELT -REAR FLOODS -Water Level gauge (70-20-35AA) There is room for 15 switches in the headliner
50-11-1400	1	Federal PA300 100 watt siren
50-11-1620	1	Siren speaker, 100 watt, in front bumper - Federal AS124
50-11-2600	1	<b>Siren to be accessible to driver and officer</b>
50-11-5812	1	<b>Federal LPX53DS - NFPA LED light bar</b> The white flashers will be active when the park brake is deactivated and will be controllable with a switch in the rocker switch panel (50-11-0900)
50-11-6615	1	<b>Rear LED Traffic Advisor warning lights - TAM83 - surface mount - 30.45" long</b>
50-11-9010	1	<b>Rear beacons - Federal NVG10 LED (pr) - both red - no height restriction</b> Will be mounted on Scene Light boxes 50-31-6010
50-12-5028	1	<b>Front LED flashers (pr)-red Federal QL43 RED</b>
50-12-5218	1	<b>Front side inter lts (pr)-red LED Federal QL43 RED</b>
50-12-5318	1	<b>Body side inter lts (pr)-red LED Federal QL43 RED</b>
50-12-8000	1	<b>Additional body side intersection light not required</b> Distance between front and rear side intersection light does not exceed 25'

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>50-21-1505</b>	<b>1</b>	<b>Rear floods (pr) Unity LED</b> Switched in cab and when the transmission is placed in reverse gear Note that these lights are also used as rear step lights and cannot be managed
<b>50-21-1610</b>	<b>1</b>	<b>Parking (ditch) lights in rear fenders - LED in stainless steel housings</b> Switched in cab and when transmission is placed in reverse gear These lights can be managed to shed
<b>50-21-25AA</b>	<b>2</b>	<b>FRC telescoping Spectra LED 12V flood (ea)</b> Model # SPA530-Q15-SW-NS-SR-A Located on front of the pump house, one each side These lights can be wired to shed Equipment not stored light (50-21-5550) Location of switch to be in cab with 50-11-0900
<b>50-21-5100</b>	<b>1</b>	<b>Compartment lighting - LED tube lights in each compartment (rollup doors)</b> Compartment over rear wheels to have a 4" round recessed LED light
<b>50-21-5500</b>	<b>1</b>	<b>Door Ajar warning light</b> Bilingual Warning label in cab to read: "Do Not Move Apparatus when Light is on" Over driver seating position
<b>50-21-5550</b>	<b>1</b>	<b>Equipment rack not stowed warning light</b> Warning label in cab to read: "Do Not Move Apparatus when Light is on" Over driver seating position LAS not stowed and Telelight hazard switches are wired to this warning light
<b>50-21-8001</b>	<b>1</b>	<b>Step lights for body steps - 4" LED</b> Switched when park brake is set
<b>50-21-8200</b>	<b>1</b>	<b>LED Lumabar for chassis steps - 2 door chassis</b> Switched when park brake is set
<b>50-21-83AA</b>	<b>1</b>	<b>LED Lumabar for Zico Access ladder and rear step surfaces</b> Switched when park brake is set
<b>50-21-8600</b>	<b>1</b>	LED clearance lts and reflectors
<b>50-21-8800</b>	<b>1</b>	<b>LED intermediate turn signal/clearance/reflector length &gt;30'</b>
<b>50-22-0800</b>	<b>1</b>	<b>Federal 4 QuadraFlare LED tail/brake-turn-backup-warning module (pr)</b> Requires additional TecNiq module to be mounted in rub rail due to Zico Access ladder
<b>50-31-6010</b>	<b>2</b>	<b>Scene light boxes (pr) - painted job color</b>
<b>50-31-6058</b>	<b>1</b>	<b>Scene lights (pr) - Whelen M9 LED - right side upper</b> Located in upper front and rear corner body sides Switched in cab These can be managed to shed
<b>50-31-6059</b>	<b>1</b>	<b>Scene lights (pr) - Whelen M9 LED - left side upper</b> Located in upper front and rear corner body sides Switched in cab

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
		These can be managed to shed
<b>50-31-6060</b>	<b>1</b>	<b>Scene lights (pr) - Whelen M9 LED - rear facing upper</b> Located in upper rear corner of body Switched in cab and when transmission is placed in reverse These can be managed to shed
<b>50-31-6550</b>	<b>1</b>	<b>Ground lighting (LED Lumabar) - 2 door chassis</b> Switched when park brake is set
<b>50-31-6570</b>	<b>1</b>	<b>Ground lighting (LED Lumabar) - side mount body</b> Switched when park brake is set
<b>50-35-0500</b>	<b>2</b>	<b>Installation of customer supplied mobile radio</b> Radio information list required Powered through master switch
<b>50-35-0560</b>	<b>1</b>	<b>VHF antenna with base - commercial chassis</b> Install behind light bar and as far apart from other antenna as possible
<b>50-35-0590</b>	<b>1</b>	<b>Cellular/TMR antenna with base - commercial chassis</b> Install behind light bar and as far apart from other antenna as possible
<b>50-35-0605</b>	<b>2</b>	<b>Magnetic Mic mount MMSU-1</b> For customer supplied radio mic Shipped loose for customer install.
<b>50-99-10AA</b>	<b>1</b>	<b>Hose bed lights - LED Lumabar</b> There will be four (4) x 40" Lumabars supplied and installed under the hose bed covers to illuminate the hose bed Switched when park brake is set
<b>50-99-25AA</b>	<b>1</b>	<b>LED lighting for walkway in center hose bed</b> 4 x 20" Lumabar Switched when park brake is set
		<b>BODY</b>
<b>60-10-1400</b>	<b>1</b>	<b>Single axle extruded aluminum body</b> Upper portion of the pump house will be painted plate job color (not tread plate)
<b>60-10-15AA</b>	<b>1</b>	<b>1" drop on lower edge of compartment floor - sweep out type</b> Including Left side pump house floor.
<b>60-10-4100</b>	<b>1</b>	No "beavertail" rear step supports
<b>60-10-4600</b>	<b>1</b>	<b>Painted fender surround</b> The rear fender surround will be painted job color
<b>60-10-4700</b>	<b>1</b>	Integral aluminum fender trim
<b>60-10-5400</b>	<b>1</b>	Diamondback pumphouse steps
<b>60-10-5430</b>	<b>1</b>	Diamondback 19" rear step
<b>60-10-5452</b>	<b>1</b>	<b>Recessed platform step in hose bed / rear of body</b> Stepping surface in diamondback material - step will be 12" deep Delineation markings not required for ULC

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
60-10-6000	1	Extruded rub rail
60-11-0300	1	<b>Front left side compartments full height</b>
60-11-0600	1	<b>Front right side compartments intermediate height</b>
60-11-1000	1	<b>Rear left side compartments full height</b>
60-11-1300	1	<b>Rear right side compartments intermediate height</b>
60-11-1900	1	<b>Low side compartment (up to 18") each</b> Will have flip up door (60-11-4535) RS
60-11-2000	1	<b>High side compartment (over 18") each</b>
60-11-3200	1	Full Height Rear compartment
60-11-4500	1	<b>Surface mount aluminum door - single with "D" handle - flip up RS pump house</b> A flip up type door is installed on the passengers side of the pump house (ref 70-11-0501) to access the open storage area. Paint job color and include gas struts.
60-11-4535	1	<b>Surface mount aluminum door - single with "D" handle - R2</b> Flip up door on low side compartments (60-11-1900) with gas struts To be SURFACE MOUNT
60-11-5500	1	<b>Rollup door - standard height - L2</b> Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5510	2	<b>Rollup door - intermediate height - R1, R3</b> Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5520	3	<b>Rollup door - full height - L1, L3, B1</b> Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5540	1	<b>Rollup door - to enclose LS pump panel</b> Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5655	1	<b>Amdor pull straps - Flex - HD (for door opening 20"-37") - L2</b>
60-11-5660	3	<b>Amdor pull straps - Flex - HD (for door opening 49"-70") - L1, L3, Pump panel dr</b>
60-31-4100	1	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface
60-31-5000	1	<b>Zico access Ladder at rear of unit</b> Minimum 7" clearance between rung and any obstruction Includes additional TecNiq turn signal / brake light in rear step rub rail
60-31-5600	1	<b>Steps and grab handles at front of body next to pump panel</b> Maximum height between steps is 18" RS only where LS has rollup door - two (2) only required
60-31-6500	1	Compartment matting - black plastic interlocking tile
60-31-8006	4	<b>BA bottle compt (ea)-fender well</b>

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>60-31-82AA</b>	<b>1</b>	<b>Adjustable divider for seven (7) slots</b> There will be seven slots for rolled hose supplied and installed on the sliding tray (60-31-8800) in the L1 compartment. The dividers will be adjustable to allow various size hoses to be stored.
<b>60-31-8800</b>	<b>4</b>	<b>Sliding tray (ea) - 600 pound capacity - 70% extension</b> ***Hardware requires 3-1/2" of compartment height White Reflective stripe is applied on the exposed edge for visibility when the compartment door is open 1. L1 compartment 2. L3 compartment 3. R1 compartment 4. R3 compartment
<b>60-31-9600</b>	<b>8</b>	<b>Adjustable shelf (ea)</b> White Reflective stripe is applied on the exposed edge for visibility when the compartment door is open 1. L1 shallow 2. L3 full depth 3. Back full depth under dump line 4. R1 full depth 5. R1 full depth 6. R3 full depth 7. R3 full depth 8. R1 shallow depth
<b>60-32-3560</b>	<b>1</b>	<b>Three adjustable hose divider (each) - 2 fixed for walkway</b> Hand hold required in end Hose bed from left to right 4" / 1.75" / walkway / 1.75" / 2.5" / 2.5"
<b>60-32-3580</b>	<b>1</b>	<b>Non slip overlay on top walkway in hose bed - 18" wide</b> There will be an 18" wide non-slip surface (embossed aluminum tread plate) installed in the walkway to meet ULC
<b>60-32-7500</b>	<b>1</b>	<b>Hose bed - aluminum</b> Hose bed layout from left to right 600' of 4" 200' of 1.75" Walkway 200' of 1.75" 200' of 2.5" 200' of 2.5"
<b>60-33-0000</b>	<b>1</b>	<b>Paint exterior - Imron Elite</b> *** Paint code and colour to match chassis cab
<b>60-33-0200</b>	<b>1</b>	Undercoat vehicle with KROWN rust protection
<b>60-33-0600</b>	<b>1</b>	<b>Chassis wheels not painted - Aluminum wheels</b>
<b>60-33-1000</b>	<b>1</b>	Paint pump and plumbing job colour
<b>60-33-1500</b>	<b>1</b>	Buffed finish compartment interior
<b>60-33-2200</b>	<b>1</b>	<b>Lettering - 80 letters up to 3" tall - 3 colour</b> *** Vinyl letters, Fire Department to provide details on location and text. Lettering layout approved March 21-24

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>60-33-3000</b>	<b>1</b>	<b>Reflective stripe - 4" white</b> 50% of perimeter each side and 25% of perimeter front 3M Scotchlite Striping layout approved March 21-24
<b>60-33-3310</b>	<b>1</b>	<b>Reflective stripe - red and yellow chevron at rear</b> 50% of rear minimum Printed 3M Scotchlite
<b>60-33-4700</b>	<b>1</b>	<b>No crosslay preconnects on vehicle</b>
<b>60-33-5000</b>	<b>1</b>	<b>Aluminum cover over hose bed with end tarps - black</b> Note: Center walkway not covered
<b>60-40-1500</b>	<b>2</b>	<b>4" Hose tray - side mount (ea)</b> Mounted on Zico LAS For the 80-11-2000 4" x 10' long suction hoses.
<b>60-40-5500</b>	<b>2</b>	<b>Suction hose tube (each) with door</b> To be completely enclosed and carry 10' suction hoses reference 80-11-5000 Door Ajar switch required
<b>60-41-1015</b>	<b>2</b>	<b>Pike Pole tube in suction hose tube</b>
<b>60-41-1500</b>	<b>1</b>	<b>Attic ladder tube with rear door</b> Right side rear access for an attic ladder (80-14-8500) and pry bar (80-13-15AA) There will be a door ajar switch supplied and installed for the Door Ajar Warning circuit (50-21-5500)
<b>60-41-9000</b>	<b>1</b>	<b>Zico electric Ladder Access system</b> To be wired so only operable when park brake is engaged and all RS compartment doors are closed. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body. For storage of 24' two section (80-14-0500), 14' roof ladder (80-14-5500)
<b>60-41-9010</b>	<b>1</b>	<b>ZICO LAS switched on right side pump panel</b> Switch is located on same side as electric rack
<b>60-41-9200</b>	<b>1</b>	<b>Electric locking system for LAS</b>
<b>INSTRUMENTATION</b>		
<b>70-11-0000</b>	<b>1</b>	Warning Label on Pump Operator's Panel
<b>70-11-0501</b>	<b>1</b>	<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 A flip up type door (ref 60-11-4535) is installed on the passengers side of the pump house to access the open storage area. This door will be painted job color and have a "D" type latch and gas struts to hold in open position.
<b>70-11-1500</b>	<b>1</b>	<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

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
70-11-3200	1	<b>Colour coded tags</b>
70-11-4506	1	<b>Diamondback grip type panel hood step right side</b>
70-11-5110	1	<b>Open storage at rear top of pump house</b> Includes drain holes plumbed to below the chassis frame, plastic interlocking tile and LED light towards the cab
70-11-5300	1	<b>Right side painted pump access door</b> No opening dimension less than 18" The right side pump access door will be painted aluminum
70-11-7500	1	<b>Heat pan-aluminum</b>
70-11-8000	1	<b>Heater in pump compartment</b> Switched at pump panel
70-11-8200	1	<b>Rubber seal around suction and discharge openings on side pump panels</b>
70-20-1120	2	<b>4-1/2" compound gauge - dual face 0-400 Thuemling brand</b>
70-20-2130	9	<b>2-1/2" pressure gauge - dual face 0-400 - Thuemling brand</b>
70-20-2500	1	<b>Trident Primer control - main pump</b>
70-20-2501	2	<b>Trident Additional Primer control - pre-primers</b>
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
70-20-3612	1	<b>Remote PSTANK2 water level indicators each side, rear with driver</b> Activated when park brake is applied Includes chrome bezel
70-20-3640	1	<b>Mini water level gauge in cab, Class One</b> One (1) mini gauge in cab headliner switches (50-11-0900)
70-20-6500	1	Test gauge panel Mount below the compound gauges for proper draining
70-20-7500	1	<b>Heat exchanger control valve</b>
70-21-2105	1	<b>PTO Hourmeter</b> To be mounted on chassis console 20-31-7500
70-21-5500	1	<b>Panel readout for Battery Conditioner on LS chassis step</b>
71-21-3101	1	<b>Transmission warning light not required</b> Present on the FRC InControl
<b>ACCESSORIES</b>		
80-11-2000	2	<b>4" x 10' lightweight suction hose (ea)</b> Mounted on trays on top of LAS
80-11-5000	2	<b>6" x 10' lightweight suction hose (ea)</b> Tube mounted
80-12-2500	1	<b>6" barrel strainer</b> Ship loose for customer mounting
80-13-0500	1	<b>Rubber mallet</b> Mounted with bracket 80-13-0510

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
80-13-0510	1	<b>PAC Toolok bracket 1003-HD-Y for mounting rubber mallet</b> To be mounted on the side wall of the left side pump panel.
80-13-1000	2	<b>Hose wrenches (double) with holder</b> Mount on rear of body and right side of pump panel where room permits
80-13-1100	1	<b>Hose wrenches (triple) with holder</b> Mount on LS pump panel where room permits
80-13-15AA	1	<b>Bar - stored in tube</b> Tube mounted (60-41-1500) Part # 1520115
80-13-2500	2	<b>Pike pole, fibreglass handle - 10' long</b> tube mounted (60-41-1015)
80-13-4000	1	<b>Axe, pick head, fibreglass handle and bracket</b> Mounted on back wall of R2 compartment (similar to Mabou M22-22131 - ref to pic 1108)
80-13-4500	1	<b>Axe, flat head, fibreglass handle and bracket</b> Mounted on back wall of R2 compartment (similar to Mabou M22-22131 - ref to pic 1108)
80-14-0500	1	<b>24' 2 section extension ladder PEL 24</b> Stored on LAS (60-41-9001)
80-14-5500	1	<b>14' aluminum roof ladder PRL-14</b> Stored on LAS (60-41-9001)
80-14-8500	1	<b>10' aluminum folding attic ladder FL-10</b> tube mounted (60-41-1500)
80-15-7020	1	<b>45-degree suction elbow - 6" NHF x 6" NHM Kocheck KEP6L6-C45 - shipped loose</b>
80-16-05AA	1	<b>Akron 3423, deck monitor with stacked tips</b> There will be a direct mount 3423 monitor with stacked tips mounted to monitor piping (30-44-6520). No ground base supplied
80-18-0500	4	<b>SCBA bracket with strap - compt mount</b> L2 Comp
80-19-0500	2	<b>Large folding wheel chock - aluminum (ea) not mounted</b>
80-19-0600	2	<b>Horizontal bracket for folding wheel chock (ea)</b> The brackets will be installed at the depth change of the L1 compartment if space permits.
80-99-20AA	5	<b>2.5" to 1.5" reducer with end cap</b> These will be installed on the 2.5" rear, left and right side discharges Part # 1501296 and 1500281
80-99-25AA	1	<b>4" Storz to 2.5" male adapter with end cap</b> To be shipped loose Part # 1501016 from Kocheck and 1501501 from South Park