



Shop Order

Service New Brunswick
 300 Saint Mary's Street
 Fredericton Regional Center
 Fredericton, NB E3A 2S4

Pumper Tanker for the Nauwigewauk Fire Department

Exp. Date: 09/07/2019
Quote No: JPRNB-0020
Job/Order No: 21294
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

08/31/2021

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PART NO	S	DESCRIPTION	QTY	ID
		== Metalfab Pumper - ULC 05/13 - 0.000 ==	1	MTL
	S	Change Order H	1	MTL
00-10-1500		Metalfab Pumper E	1	MTL
00-20-1000		Company Profile E	1	MTL
00-20-1500		Standard Body Warranty	1	MTL
00-20-1501	U	One year base warranty If the vehicle requires repairs at the Manufacturers facility or their Authorized Repair Facility, all costs including transportation costs to and from that facility, shall be the responsibility of the Manufacturer (for the warranty period).	1	
00-20-1550		Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
00-20-1700		Hale Pump Warranty - 5 years	1	MTL
00-20-1800		Polypropylene Tank Lifetime Warranty	1	MTL
00-20-2100	S	Plant Inspection Visits 5 visits for 3 persons. Date and time to be determined.	1	MTL
00-20-3000		No Bonding Required	1	MTL
00-20-3500		Certification for Fusion Welding of Aluminum	1	MTL
00-20-4000	S	Quality System registered to ISO 9001:2015	1	MTL
00-20-4500		Fire Apparatus Manufacturers' Association Membership	1	MTL
		GENERAL INFORMATION	1	MTL
10-11-0000		Intent E	1	MTL
10-11-0110		Vehicle data recorder included with chassis	1	MTL
10-11-1100	S	ULC S515-13 Compliance or most current Tested in Imperial units unless otherwise specified. Requested from Roland Caissie at Bath pre-construction meeting to add "or most current"	1	MTL
10-11-1102	U	NFPA 1901-2016 Compliance Include NFPA labels as required.	1	
10-11-1500		> ULC Testing - Pumper ENG. NOTE: Note in the shop note if the Fire Department wishes to witness the test	1	MTL
10-11-2100	S	Maximum length - 396"	1	MTL
10-11-2200	S	Maximum height - 120"	1	MTL
10-11-2400		Overall length is 30' or more	1	MTL
10-11-2500		General Construction	1	MTL
10-11-3000	S	Manuals - two copies and 1 digital ***Two copies of chassis manuals are required. Include 1 digital copy	1	MTL
10-11-3600	S	> Delivery - FOB Fire Department ENG. NOTE: Note in the shop note if more than 4 hours of training is required	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
10-11-4300	S	Payment Terms - Chassis and Body NET 30	1	MTL
10-20-1000	S	Hose bed capacity - standard ULC Pumper The hose bed will carry 1500' of 4" hose and 200' lays of 2.5" as discussed at the pre-construction meeting of 02.11.2020. This will add 1363 lbs to the ULC weights requirement	1	MTL
10-20-2000		Equipment carrying capacity - standard ULC Pumper	1	MTL
		CHASSIS INFORMATION	1	MTL
20-11-1000	S	Chassis supplied by Metalfab - Freightliner M2 112 tandem GVWR 62000lb 16000lb front axle 46000lb rear axle 228" wheel base 162.8" cab to axle Cummins L9 450 HP @ 2100rpm 2200 governed rpm 1250lb/ft torque @ 1400rpm Allison 3000 EVS automatic transmission - 6 speed 60mph top speed Air ride suspension Jacobs C-Brake - activates stop lights 189 litre fuel tank, LH Polished aluminum wheels ESC, VDR and seatbelt display Single color - L5994EY Harvester Red High hats, front axle cover and nut cover installed by chassis manufacturer Tires to be dated 6-months from chassis build as requested by Roland Caissie at the pre-construction meeting	1	MTL
20-11-1500		2013 Emission chassis modifications	1	MTL
20-11-1700		Chassis Motor Vehicle Inspection required - NB E	1	MTL
20-21-0500		Fluid capacity plate	1	MTL
20-21-0600		Pumping test plate	1	MTL
20-21-1000		Maximum riders sign - 2 persons	1	MTL
20-21-1500		Seat belt warning labels - 2 door chassis	1	MTL
20-21-1570	U	Tire Pressure Indicators - Tandem Axle	1	
20-21-1600		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"	1	MTL
20-21-2000		Non removable key	1	MTL
20-21-2500		Shifter lock not required E	1	MTL
20-21-3500		Rear step warning label	1	MTL
20-21-3800		Front mudflaps	1	MTL
20-21-4000		Rear mudflaps - Metalfab Logo	1	MTL
20-31-0200		Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-0500		Alum tread fuel tank trim, Conv - 2 door Vertical trim only, OEM cab steps remain	1	MTL
20-31-1900	S	Chassis cab painted by chassis OEM - single color red	1	MTL
20-31-7500	S	Console in cab Install siren (50-11-1470), Signal Master control (50-11-7600), Cut out for customer's radio (50-35-0500), Visibeam control(50-21-3088) and pump shift (30-51-0500) in console. Storage area with hinged cover and lift and turn latch provided at rear of console. Gray zolatone finish Department to approve layout before the build as requested at the pre-construction meeting of 02.11.2020. Approval received from Roland Caissie by e-mail on 02.08.2021	1	MTL
20-41-0600	S	Intake air shutoff for engine not requested	1	MTL
20-41-0900		Auxiliary braking system disabled when pumping	1	MTL
20-41-1100		Transmission programming - Allison WT	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
20-41-1500	S	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. Department to supply information on ventilation system if applicable: Department has Plymovent that requires a square tip 2" below rub rail and 4" of tail pipe exposed. See pictures in F:/Data/Jacques/Current Project/ Nauwigewauk/ Pictures. As discussed at the pre-construction meeting of 02.11.2020	1	MTL
20-41-1900		Battery boost terminals with chassis E Included with chassis	1	MTL
20-41-2000		Chassis batteries remain in OEM location	1	MTL
20-41-2510		Fuel fill at step fuel tank under cab	1	MTL
20-41-2600		Chassis fuel tank remains in OEM location	1	MTL
20-41-5100	S	Rear Tow Hook - pintle hook- under dumpline, above rear step	1	MTL
20-41-5500	S	ON SPOT Automatic traction chains Installed on front tandem axle. Control to be on chassis dash to match previous units in service at the department.	1	MTL
20-51-0710		Master Battery Disconnect included with Freightliner chassis	1	MTL
20-51-2500		Back up alarm included with chassis	1	MTL
20-51-3400		Protection valve installed for air operated accessories	1	MTL
20-51-3500		Air outlet Located on left side pump panel.	1	MTL
20-51-4000		Auto eject for air inlet - LS Located on pump panel w/20-51-6200	1	MTL
20-51-5600	S	Flashing headlights w/ daytime running lights - included with chassis	1	MTL
20-51-6200		> 120 volt 20 A shore line connection in chassis cab ENG. NOTE: Requires 20-51-75 120 volt auto eject or 20-51-80 120 volt inlet Standard 5-20R duplex receptacle in chassis cab, not fused. For the 20-51-6502 battery conditioner to plug into.	1	MTL
20-51-6502	U	Kussmaul Battery Conditioner 1200 with Auto Eject and readout Battery conditioner mounted behind console/drivers seat. Auto Eject and readout located on left side pump panel. Receptacle to be minimum 24" from ground.	1	
20-51-7101	S	Electric System Management - VMUX	1	MTL
20-51-8510	S	Engine compartment lights LED Switched with park brake	1	MTL
20-51-9001	S	Air horns on cab hood with dual lanyards supplied with chassis	1	MTL
20-52-3500		> Chassis steering wheel lined up by Metalfab E ENG. NOTE: Freightliner, Sterling, and Spartan only	1	MTL
20-52-4009	U	RearView Systems - Front, right, left and rear view camera system - DVR Monitor to be mounted on dash inside cab on a rigid bracket Cameras mounted similar to Bath, NB M18-20025 The rear camera to be mounted under the rear step 60-31-5800 as approved by the customer by e-mail on 01.11.2021 Model to be RearView HDSKM9001DVR as approved by Roland Caissie by e-mail on 03.09.2021	1	
20-60-0400		Chassis wheelbase does not change	1	MTL
		PUMP AND PLUMBING	1	MTL
30-11-8100		Hale QMAX 1250 IGPM single stage pump	1	MTL
30-12-3500		Mechanical seal for Hale QMAX/QTWO pumps	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
30-15-0104		Plumbing - Hale manifold pump SM SS E	1	MTL
30-20-0500		Valves and controls - side mount panel	1	MTL
30-20-1003		Elkhart valves specified	1	MTL
30-20-1600		Piping stainless steel - general	1	MTL
30-20-1700	S	1-1/2" thread specifications - NPSH	1	MTL
30-20-1800	S	2-1/2" thread specifications - 3.00x8	1	MTL
		Customer to specify the thread type which is 3.00x8 to match M10-15187. As discussed at the pre-construction meeting of 02.11.2020		
30-20-18AA	U	Red Head Storz adapters to Customer's threads Adapters shall be supplied for all 2½" discharges and 2½" suction inlets including the SSRV discharges to adapt Red Head Storz fitting to fit Fire Department hoses complete with matching caps. (ref SOPT #46 - truck specific) Department shall supply thread specification of their existing hoses.	1	
30-20-2000		Piping hydrostatic test	1	MTL
30-20-2500		Anodes in suction and discharge piping 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.	1	MTL
30-21-9515		Tank to Pump 4" Ball valve SS, electric control with check valve manifold pump	1	MTL
30-22-1520	S	Tank Fill valve 3" SS	1	MTL
30-31-4010	S	Suction - 6" gated each side manifold pump	1	MTL
30-31-7200		> Hale master intake suction valve - electric control ENG. NOTE: Required for top mount panels Show location in Shop Note *** Suction to be gated is left and right Electric controls to be located on left side pump operator's panel. Manual override palm wheels are located adjacent to MIV	2	MTL
30-32-7530		Suction - 2-1/2" left side SS, bleeder, Hale manifold pump	1	MTL
30-32-8030		Suction - 2-1/2" right side SS, bleeder, Hale manifold pump	1	MTL
30-40-2020	S	4" right discharge SS, bleeder, plumbed 3", Hale manifold pump	1	MTL
30-41-2020		2-1/2" RS discharge SS, bleeder, Hale manifold pump	1	MTL
30-41-2520		2-1/2" LS discharge SS, bleeder, Hale manifold pump	2	MTL
30-43-1520		2-1/2" rear discharge SS, plumbed 2-1/2", bleeder One outlet on each side with right side used for foam	2	MTL
30-44-0520		1-1/2" crosslay (each) SS, 2" valve, bleeder Each tray will have capacity for 200' x 1-3/4" hose and nozzle. Hose rollers required at ends of openings.	2	MTL
30-44-6520		Piping for monitor SS, plumbed 3", bleeder Plumbed for the 80-16-0500 Akron 3423 monitor. Will be centered left to right at top of pump house and towards rear part of the pump house. Threaded connection even with top of the body, making the flange above the body.	1	MTL
30-51-0500		Pump shift-Midship air ***Includes "Pump Engaged" and "OK to Pump" indicator lights in cab. ***Includes "Throttle Ready" indicator light on Pump operating panel	1	MTL
30-51-0600	S	Manual over ride for pump shift on pump panel by Metalfab The manual override will be located at the bottom of the pump panel as requested at the pre-construction meeting of 02.11.2020	1	MTL
30-51-6640		Class One "TPG Plus" Governor/Throttle	1	MTL
30-51-7000	S	Suction side relief V/V, manifold pump One for the left side MIV One for the right side MIV All to terminate with 2-1/2" threaded (not capped) Department confirmed threaded is desired at the pre-construction meeting of	2	MTL

PART NO	S	DESCRIPTION	QTY	ID
		02.11.2020		
30-51-7716		Trident Automatic Air Primer 3 barrel 3 location Location 1 - Main pump Location 2 - Left side 6" intake pre-prime Location 3 - Right side 6" intake pre prime	1	MTL
30-51-7720	S	Additional air tank for air primer system - with chassis An additional air tank is provided to improve air primer capacity	1	MTL
30-51-8100		Heat exchanger included with chassis	1	MTL
30-52-1000		Master drain V/V, 12 port	1	MTL
30-52-2000		Drain valve for foam system header	1	MTL
30-52-5510		Foam system-Hypro FoamPro 2001 Single Tank Foam system is plumbed to both crosslays, rear right side 2.5" and 2.5" right discharges	1	MTL
30-52-8100		Electric foam fill pump with panel pickup Inlet and control located on RS pump panel. Pickup tube will be tube mounted in the pump house accessible through the right side access door opening.	1	MTL
30-52-9100		Foam concentrate label at foam tank fill	1	MTL
30-52-9200		Foam System Instruction Plates	1	MTL
30-52-9400		NFPA Foam System certification test	1	MTL
		WATER AND FOAM TANKS	1	MTL
40-11-2100		Polypropylene water tank (Imperial gallons)	1	MTL
40-11-2200		Water tank capacity certification (tank manufacturer)	1	MTL
40-11-7000		Tank capacity 2000 Imperial Gallons	1	MTL
40-12-5000		Foam cell - 30 Imperial gallon	1	MTL
40-13-0100		> Through the tank tunnel - up to 20 cu ft ENG. NOTE: Charge 60 per cubic foot of tunnel volume	1	MTL
		For the 80-15-1005 portable tank		
40-21-1000		4" tank to pump connection	1	MTL
40-22-1000	S	3" tank fill connection	1	MTL
40-23-0500		1" water level gauge connection	1	MTL
40-23-1000		1" foam level gauge connection	1	MTL
40-23-1050		4" Fireman's Friend connection	1	MTL
40-23-1060		10" Newton dump connection	1	MTL
40-30-0500		Sump drain valve (3" gate valve) with linkage E	1	MTL
40-30-1200	S	Water Fill Box special location - as far forward on left side The fill tower will be as far forward on the left side possible to allow the hose load to be carried. As requested at the pre-construction meeting of 02.11.2020 The distance was determined to be 40" from the front of the hose bed which will minimize the water sloshing / spillage. As approved by the customer by e-mail on 01.11.2021	1	MTL
40-31-3500		10" rear Newton dump, stainless steel	1	MTL
40-31-3600		Newton dump - stainless steel 36" telechute	1	MTL
40-31-5500	S	Electric operator for Newton dump, side mount	1	MTL
40-31-5610	U	SS Swivel dump chute with rotating lock	1	
40-31-9000	S	4" Storz rear fill, Fireman's Friend, bleeder Required to be extended out to clear dump chute.	1	MTL
		ELECTRICAL	1	MTL
50-11-0300		Base electrical system - multiplex E	1	MTL
50-11-0600		Warning Light Certification	1	MTL
50-11-0700		Low Voltage Electrical system test	1	MTL
50-11-0800		Low Voltage Electrical System Documents As required by ULC and NFPA standards	1	MTL
50-11-0900	S	Rocker switch panel with master warning switch - at chassis ceiling ***Rocker switch assignments: MASTER	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		-LIGHT BAR RED -REAR BEACONS -FLASHING WARNING -REAR FLOODS To be located on the ceiling to match M11-15187 as requested by the department at the pre-construction meeting of 02.11.2020		
50-11-1470	U	Whelen 200 Watt Siren - Model 295SLSC1 w/removable mic Located in cab console 20-31-7500 P/N 1570997 SOPT #954a	1	
50-11-1630	U	Siren speaker, 200 Watt, in front bumper Left side (Driver's side).	1	
50-11-2600		Siren to be accessible to driver and officer	1	MTL
50-11-5812	U	Federal LPX53DS-NFPA lightbar Red only - all lights are enabled in both Response and Scene modes - flash pattern to change when park brake is set. SOPT #798 (Reference only)	1	
50-11-7600	S	Rear LED Signal Master warning lights Model SL8 Control will be located in cab console 20-31-7500 and the traffic bar will be mounted under the rear step 60-31-5800 as approved by the customer by e-mail on 01.11.2021	1	MTL
50-11-9015	U	Rear Beacons, Federal NVG10 (pr), both red SOPT #1063 - truck specific	1	
50-12-5028	U	Front LED flashers (pr)-red Federal QL43-RR	1	
50-12-5118	U	Rear LED flashers (pr) - red Federal QL43-RR	1	
50-12-5218	U	Front side inter lts (pr) - red LED Federal QL43-RR	1	
50-12-5318	U	Body side inter (pr) - red LED Federal QL43-RR	1	
50-12-5418	U	Additional body side inter lts (pr) - red LED Federal QL43-RR	1	
50-21-1505	U	Unity LED rear floods (pr) Switched in cab and when transmission is placed in reverse. These lights cannot be managed to shed. SOPT 160a	1	
50-21-2547	U	FRC telescoping SPECTRA LED 12V flood (ea) SPA530-Q15-SW-NS Located at front of pump house - one each side Switch on operator's panel Hazard switch (SW) to be wired to the equipment not stowed warning light in cab 50-21-5550 These lights are managed to shed.	2	
50-21-3088	U	Federal Signal Wireless Visibeam P/N 1031564 The rear portion of the light shall be shielded to avoid potential of light shining in driver's eyes. Shield is to be painted to match cab. The wireless control will be located on the console with a stainless steel clip.	1	
50-21-5100		> Compartment lighting - LED tube lights in each compartment (rollup doors) ENG. NOTE: Rollup doors only Compartments over the right side rear wheels will have 4" LED grommet mounted lights in the front wall.	1	MTL
50-21-5500		Door Ajar warning light Located in overhead console over driver's seat. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-21-5550		Equipment rack not stowed warning light For 24' section ladder (80-14-0500), 14' aluminum roof ladder (80-14-5500), 10' aluminum folding attic ladder (80-14-8500) and extenda lights Located in overhead console over driver's seat. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL
50-21-8001		Step lights for body steps - 4" LED Switched with park brake.	1	MTL
50-21-8200	U	12" LED Lumabar for 2-door chassis Switched with park brake.	1	
50-21-83AA	U	LED lighting for rear step/platform Switched with the park brake	1	
50-21-8600		LED clearance lts and reflectors	1	MTL
50-21-8800		LED intermediate turn signal/clearance/reflector length >30'	1	MTL
50-22-0700	S	Whelen 64 LED tail/brake-turn-backup module (pr)	1	MTL
50-31-6550		Ground lighting (LED Lumabar) - 2 door chassis Switched On with park brake.	1	MTL
50-31-6570		Ground lighting (LED Lumabar) - side mount body Switched On with park brake.	1	MTL
50-31-65AA	U	Hose bed lighting - LED on front partition Switched On with park brake.	1	
50-35-0500	S	Provision for customer supplied mobile radio installation 12 volt power through the master disconnect will be supplied and coil under the console. Cutout(s) will be provided for customer's radios in the 20-31-7500 console. Customer to specify cutout size(s).	2	MTL
50-35-0560	S	VHF antenna base - commercial chassis Located behind light bar - on the left side behind lightbar Cables will run to the console area and labeled. Customer will cut the antennas to length.	1	MTL
50-35-0590	S	Cellular/TMR antenna base - commercial chassis Located behind light bar - on the right side behind lightbar Cable will run to the console area and labeled. Customer will cut the antennas to length.	1	MTL
		BODY	1	MTL
60-10-1600		Tandem axle extruded aluminum body	1	MTL
60-10-4100		No "beavertail" rear step supports	1	MTL
60-10-4600		Painted fender surround E	1	MTL
60-10-4700		Integral aluminum fender trim	1	MTL
60-10-5400		> Diamondback pumphouse steps ENG. NOTE: Maximum height of step is 24" from ground	1	MTL
60-10-5430		> Diamondback 19" rear step ENG. NOTE: Maximum height of rear step is 24" from ground	1	MTL
60-10-6000		Extruded rub rail	1	MTL
60-11-0300		> Front left side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0600		> Front right side compartments intermediate height ENG. NOTE:	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Specify critical dimensions in shop note		
60-11-1000		> Rear left side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-1300		> Rear right side compartments intermediate height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-1900		> Low side compartment (up to 18") each ENG. NOTE: Specify critical dimensions in shop note Specify type of door Specify flip up or drop down Specify which side of body	2	MTL
		Right side		
60-11-2000		> High side compartment (over 18") each ENG. NOTE: Specify critical dimensions in shop note Specify type of door Specify flip up or drop down Specify which side of body	2	MTL
		Left side		
60-11-3100		No rear compartment E	1	MTL
60-11-4535	U	Flush mount aluminum door - single with "D" handle - flip down The doors will be flip down as requested by the department at the pre-construction meeting of 02.11.2020	2	
60-11-5500		Rollup door - standard height Left high side compartments Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	2	MTL
60-11-5510		Rollup door - intermediate height Right front side and Right rear side compartment. Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	2	MTL
60-11-5520		Rollup door - full height Left front side and left rear side compartment. Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	2	MTL
60-11-5655	U	Amdor pull straps - Flex - HD For L2 and L3	2	
60-11-5660	U	Amdor pull straps - Flex - HD For L1 and L4 compartments	2	
60-31-4100		Extruded aluminum handrails Minimum 2" clearance from handrail to any surface	1	MTL
60-31-5500	S	Steps at rear of body (folding) w/LED lighting Maximum height between steps is 18" There will be four (4) folding steps per side on the the rear of the body as approved by the customer by e-mail on 01.11.2021	1	MTL
60-31-5600	S	Steps and grab handles at front of body next to pump panel Maximum height between steps is 18" The steps on the left side will go all the way up the front of the body to allow access to the monitor. As discussed at the pre-construction meeting of 02.11.2020	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-31-5800	S	Intermediate step over rear dump Mask off for delineation stripes to meet NFPA. The step will be mounted above the traffic bar 50-11-7600 and rear camera 20-52-4009. As approved by the customer by e-mail on 01.11.2021	1	MTL
60-31-6500	S	Compartment matting-Interlocking tile	1	MTL
60-31-8006	U	BA bottle compt (ea)-fender well Retaining loops included Customer to specify make and model of cylinder to be stored Make - Scott Model - 2.2 Diameter of cylinder - 7" Overall length of cylinder - 24" Photo of valve/cap (to ensure retaining loop will fit) can be found at F:/Data/Jacques/Current Projects/Nauwigewauk/Pictures	4	
60-31-8800		> Sliding tray (ea) - 600 pound capacity ENG. NOTE: Specify location ***Hardware requires 3-1/2" of compartment height Located at floor level in the following compartments; Tray #1 - left side front compartment Tray #2 - left side rear compartment Tray #3 - right side front compartment Tray #4 - right side rear compartment White reflective stripe is applied on the exposed edge for visibility when the compartment door is open.	4	MTL
60-31-9600	S	> Adjustable shelf (ea) ENG. NOTE: Specify location Shelves are located in the following compartments Shelf #1 - left side front compartment - shallow depth Shelf #2 - left side front compartment - shallow depth Shelf #3 - Forward High side on left - full depth Shelf #4 - Rearward High side on left - full depth Shelf #5 - right side front compartment - shallow depth Shelf #6 - right side rear compartment - shallow depth White reflective stripe is applied on the exposed edge for visibility when the compartment door is open Changed shelf location for #3 and #4 as discussed at the pre-construction meeting of 02.11.2020	6	MTL
60-32-3560		Three adjustable hose divider (each) Hand hold required in end	1	MTL
60-32-7500		Hose bed - aluminum	1	MTL
60-33-0000		Paint exterior - Imron Elite *** Paint code and color - red to match cab	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600		Chassis wheels not painted Aluminum wheels Wheel trim by dealership.	1	MTL
60-33-1000		Paint pump and plumbing job colour	1	MTL
60-33-1600		Special paint compartment interior - gray zolatone E The compartment interiors are finished with gray textured paint for chip resistance. Shelves, trays and hardware are left natural aluminum.	1	MTL
60-33-2200	S	Lettering - 80 letters up to 3" tall - 3 colour Lettering approved by Customer Feb 19-21	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-33-3000		Reflective stripe - 4" white 50% of perimeter each side, 25% of perimeter front 3M Scotchlite material	1	MTL
60-33-3310		Reflective stripe - red and yellow chevron at rear Minimum 50% of rear vertical surface. Printed 3M Scotchlite material	1	MTL
60-33-3500		Tarp over hose bed - black A hosebed cover will be provided and secured to top body flanges by quarter turn snaps at front of hosebed and Velcro on each side of the cover. A weighted flap will be furnished at the front of the cover, and Velcro straps will be provided on the rear of the cover to tie around the rear handrail. Color to be black.	1	MTL
60-33-3600		Reflective stripe - inside entry doors 96 square inches minimum of white reflective inside each cab entry door	1	MTL
60-33-4600		Aluminum cover over crosslays - with end tarps (black)	1	MTL
60-40-5500		Suction hose tube (each) with door Door ajar switch required. Completely enclosed. Tubes will house the 6"x10' suction hoses 80-14-5000	2	MTL
60-40-8500		> Tail light box Fire Extinguisher tubes (pr) ENG. NOTE: Specify size/dimensions of Fire extinguishers to be stored For storage of the 80-17-0500 20# ABC Fire extinguisher (right side) and the 80-17-1500 CO2 fire extinguisher (left side) Extinguishers will be held in place with PAC strap.	2	MTL
60-40-9500	S	> Tube for portable tank storage, with rear door ENG. NOTE: Note location of tube, portable tank to be installed, dimensions of portable tank if customer supplied For the storage of the customer supplied portable tank (Include rollers). Door will flip up with ball and socket type catch. Door ajar switch required. Porta tank measures 118" long x 31" high x 8" thick as measured at the pre-construction meeting of 02.11.2020	1	MTL
60-41-1000		Pike Pole tube with door Under the right side fender top for the storage of 10' pike pole 80-13-2500 and 6' pike pole 80-13-2510. Install label on door to show tube for 10' and 6' pike pole. Velcro straps to support pike poles.	2	MTL
60-41-9000		> Zico electric Ladder Access system ENG. NOTE: Specify mounting location desired. If ladder(s) are customer supplied, specify overall length and width, width between side rails, rung spacing; also specify ladder brand and model Right side for 24' section ladder (80-14-0500), 14' aluminum roof ladder (80-14-5500) and 10'aluminum folding attic ladder (80-14-8500) To be wired so only operable when park brake is engaged and compartments over right side wheels are closed. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.	1	MTL
60-41-9010		ZICO LAS switched at rear above tail light E Switch is located on same side as electric rack - right side	1	MTL
60-41-9100		Manual locking system for LAS Install information ladder label at switch location to instruct operator to release locks prior to lowering the ladder.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
INSTRUMENTATION			1	MTL
70-11-0000		Warning Label on Pump Operator's Panel	1	MTL
70-11-0500		Side mount instrument panel	1	MTL
		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		Stainless steel instrument panels	1	MTL
		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	S	Colour coded tags	1	MTL
		Imperial units		
		The colors are to match M11-15187 where possible. As requested at the pre-construction meeting of 02.11.2020		
70-11-4100		Stainless steel side panel hood left side	1	MTL
70-11-4500		Diamondback grip type panel hood step right side	1	MTL
		Requires 1" yellow reflective tape around perimeter to meet NFPA.		
70-11-5000	S	Standard cover over rear top of pump house - no storage	1	MTL
		Illumination with a Lumabar will be required to allow a firefighter to operate the monitor (to meet ULC standing surface criteria) - as discussed at the pre-construction meeting of 02.11.2020		
70-11-5500		Right side tread plate pump access door	1	MTL
		No opening dimension less than 18"		
70-11-7500		Heat pan-aluminum	1	MTL
70-11-8000		Heater in pump compartment	1	MTL
		Switch on left side pump operator's panel.		
70-20-2130	U	2-1/2" pressure gauge - dual face 0-400	9	
70-20-2500	S	Primer control - Trident for main pump	1	MTL
70-20-2501	S	Additional Primer control - Trident for MIV pre-primers	2	MTL
70-20-3100		Class One Governor Control	1	MTL
		Throttle can be no lower than 42" and no higher than 72" from operator's standing position.		
70-20-3500		Electric water level gauge on pump panel, Class One	1	MTL
70-20-3610		Remote PSTANK water level indicators each side, rear with driver E	1	MTL
		Located one each side of pump house - high rearward and one on the back of the body - high on left side.		
		Interlock with park brake so powered only when the park brake is set.		
70-20-6500		Test gauge panel	1	MTL
70-20-7500		Heat exchanger control valve	1	MTL
70-21-1500	S	Electric Foam Level gauge on pump panel, Class One	1	MTL
		Include access to and room for sender in front of body and back of pump house		
70-21-5500		Panel readout for Battery Conditioner	1	MTL
		Located on pump panel.		
ACCESSORIES			1	MTL
80-11-5000		6" x 10' lightweight suction hose (ea)	2	MTL
		Tube mounted.		
80-12-2500		6" barrel strainer	1	MTL
		Mounted - see 80-12-2510		

PART NO	S	DESCRIPTION	QTY	ID
80-12-2510	U	Supply and install mount for 6" barrel strainer Kocheck MM601 P/N 1501175 - SOPT #51 Mounting location to be under the depth change of the L1 compartment as discussed at the pre-construction meeting of 02.11.2020	1	
80-12-4502	U	TFT A03HNX-JET Low Level strainer - 6" with Storz on jet (Red Head) To achieve pump capacity through the low level strainer P/N 1500702 SOPT #394 Mounting location to be on the tray in the L4 compartment as discussed at the pre-construction meeting of 02.11.2020	1	
80-13-0500		Rubber mallet Mounted - see 80-13-0510	1	MTL
80-13-0510	U	PAC Toolok 1003 for mounting rubber mallet P/N 1562258 - SOPT #319 Mounting location to be on the side wall of the L1 compartment as discussed at the pre-construction meeting of 02.11.2020	1	
80-13-1200	S	Clare hose wrenches (double) with holder Mounting location to be on the Left side pump panel, Right side panel and B1 compartment as discussed at the pre-construction meeting of 02.11.2020	3	MTL
80-13-1500		Bar with bracket Mounted in standard location at rear above step and below compartment door opening.	1	MTL
80-13-2500		Pike pole, fibreglass handle - 10' long Tube mounted (60-41-1000)	1	MTL
80-13-2510		Pike pole, fibreglass handle - 6' long Tube mounted (60-41-1000)	1	MTL
80-13-4000	S	Axe, pick head, fibreglass handle and bracket To be mounted on the upper back wall of the L4 compartment as tightly as possible. As discussed at the pre-construction meeting of 02.11.2020	2	MTL
80-14-0500		24' 2 section extension ladder PEL 24 Mounted on LAS	1	MTL
80-14-5500		14' aluminum roof ladder PRL-14 Mounted on LAS	1	MTL
80-14-7500		Padded ladder boot - 2 section and roof ladder	1	MTL
80-14-8500		10' aluminum folding attic ladder FL-10 Mounted on LAS	1	MTL
80-14-9000		Attic ladder bracket (Zico) Mounted on LAS	1	MTL
80-14-9100	U	Air chuck with 25' of 3/8" air hose Shipped loose	1	
80-16-0500	S	Akron 3423 Portable/deck monitor with stacked tips Monitor to be mounted on monitor piping 30-44-6520. Portable base to be shipped loose. Base to have 2-1/2" Storz adapters for threaded hose inlets. Department confirmed that thread type is preferred - discussed as pre-construction meeting of 02.11.2020	1	MTL
80-16-1500		Akron 2581 gated wye Include Storz fitting to customer thread for the 2-1/2" inlet. Shipped loose, not mounted. 2 Storz adapter for the 1-1/2" outlets.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
80-17-0500	S	20# dry chemical fire extinguisher - tube mounted in 60-40-8500 (LS)	1	MTL
80-17-1000	S	15# CO2 fire extinguisher - tube mounted in 60-40-8500 (RS)	1	MTL
80-17-1500	S	2 gallon water extinguisher with mount Will be shipped loose with mounting fasteners as discussed at the pre-construction meeting of 02.11.2020.	1	MTL
80-18-0500		SCBA bracket with strap - compt mount For the 80-18-0700 carousel.	4	MTL
80-18-0700	S	> ZICO Quic Index SCBA carousel ENG. NOTE: SCBA brackets to be added separately Width and depth requirement - double the depth of the SCBA or cylinder to be mounted plus 6". Height requirement - add 1-1/2" to the length of the SCBA or cylinder to be mounted. Mounting location to be in the R1 compartment towards the right side (front of body). See pictures of SCBA in F:/Data/Jacques/Current Project/Nauwigewauk/Pictures. As discussed at the pre-construction meeting of 02.11.2020	1	MTL
80-18-09AA	U	Non-pistol grip nozzle holder The nozzle holders will be for non-pistol grip - see pictures off the nozzle in F:/Data/Jacques/Current Project/Nauwigewauk/Pictures As discussed at the pre-construction meeting of 02.11.2020 The diameter of the nozzles are 4.5" and the mounting locations will be: Left side pump house - to the right of the crosslay on the deck plate Right side pump house - under the crosslay to the right of the pump access door As advised by the customer by e-mail on 02.26.2021	2	
80-19-0500		Large folding wheel chock - aluminum (ea) not mounted Shipped loose	2	MTL
80-19-0600	S	> Horizontal bracket for folding wheel chock (ea) ENG. NOTE: Specify location, otherwise ship loose They will be mounted in the L1 compartment under the depth change as requested by the customer at the pre-construction meeting of 02.11.2020	2	MTL
80-99-60AA	U	Ground ladder tests to meet NFPA 1932 (2015 Edition) All ladders shall be manufactured in current year and shall, prior to delivery, be tested as per NFPA-1932 (2015 or latest edition) within six months of date of delivery. A copy of the tests shall be provided at final inspection. SOPT in file. Ladder test performed by Metafab.	1	