



Shop Order

Fredericton Regional Centre
 Suite 2300
 300 St. Mary's Street
 Fredericton, NB E3A 2S4

Debec Fire Department

Exp. Date: 11/16/2018
Quote No: PNB - Debec-0512
Job/Order No: WO# 20670
BODY: 00-10-31 Metalfab Tanker - ULC 05/13

12/05/2019

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PART NO	S	DESCRIPTION	QTY	ID
		== Metalfab Tanker - ULC 05/13 - 0.000 ==	1	MTL
	S	CHANGE ORDER D	1	MTL
00-10-1000		Metalfab Tanker E	1	MTL
00-20-1000		Company Profile E	1	MTL
00-20-1501	S	One year base warranty	1	MTL
		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).		
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 - five inspection visits for three representatives	1	MTL
		Up to five visits for three representatives - times and dates to be determined.		
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
10-11-1101	S	ULC S515-13 and NFPA 1901-2016 Compliance	1	MTL
10-11-1600		> ULC Testing - Tanker	1	MTL
		ENG. NOTE:		
		Note in the shop note if the Fire Department wishes to witness the test		
10-11-2100	S	Maximum length - 330" - Ladder sticks 30" past rear step	1	MTL
		As discussed with Roland Caissie and the Fire department on June 13th - the ladders will have to be removed to access the inspection door and they will hang 30" past the rear bumper.		
10-11-2200	S	Maximum height - 120" (May vary among the six units)	1	MTL
10-11-2300		Overall length is less than 30'	1	MTL
10-11-2500		General Construction	1	MTL
10-11-2600	S	Preconstruction Meeting	1	MTL
		Held January 12.2019 in Fredericton, NB		
10-11-3000	S	Manuals - three copies (2 hard copies, 1 electronic)	1	MTL
		Two (2) copies and one (1) electronic copy of complete operation and service manuals will be provided covering the completed apparatus (body and equipment) as delivered and accepted, including the pump, wiring diagrams, lubrication charts, and fire fighting equipment delivered with the apparatus. Chassis manuals are those supplied by the chassis manufacturer. Body manuals are to include a parts list and a recommended service and maintenance schedule. Body manuals shall also contain the following drawings:		
		• All electrical drawings;		

PART NO	S	DESCRIPTION	QTY	ID
		<ul style="list-style-type: none"> • Accessory mounting; • All drawings shall be ledger size - 11" x 17". 		
10-11-3600	S	<p>> Delivery - FOB Fire Department - minimum eight hours training</p> <p>ENG. NOTE: Note in the shop note if more than 4 hours of training is required</p>	1	MTL
10-11-4300	S	Payment Terms - Chassis and Body NET 30	1	MTL
10-20-1200		Hose bed capacity - standard ULC Tanker	1	MTL
10-20-2200		<p>Equipment carrying capacity - standard ULC Tanker</p> <p>This vehicle is designed to carry the standard ULC miscellaneous equipment load of 1000 pounds for a Tanker.</p>	1	MTL
		CHASSIS INFORMATION	1	MTL
20-11-1000	S	<p>Chassis supplied by Metalfab - International HV607 450 HP</p> <p>International HV607 2 door 44,000 lb GVW 14,000 lb front axle 30,000 lb rear axle 207" wheelbase 139.90" cab to axle Cummins L9 450 HP @ 2100 rpm 2200 governed rpm 1250 lb-ft torque @ 1400 rpm Maximum speed 110 km/hr Allison 3000 EVS automatic transmission, 5 speed, LH side opening for PTO installation 325 Amp alternator 189 litre fuel tank, 24" diameter, left side under cab Electronic stability program Tires to be dated within six (6) months preceding chassis manufacture date. Two 12 volt power points and one USB power point Flashing headlights Polished aluminum wheels c/w stainless nut covers, hub caps, high hats Single color - 2303 Red ***May require extension cables/harness' so the switch packs and indicator light packs for Diamond Logic can be relocated to the center console 20-31-7500.***</p>	1	MTL
20-11-1500		2013 Emission chassis modifications	1	MTL
20-11-1700		<p>Chassis Motor Vehicle Inspection required - NB E</p> <p>Chassis is provided with a New Brunswick Motor Vehicle Inspection dated the month of delivery.</p>	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
20-21-1520		Helmet warning label - do not wear helmet	1	MTL
20-21-1530		Tire Pressure Indicators - Single Axle	1	MTL
20-21-1600		<p>Apparatus Information Label</p> <p>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"</p>	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
20-21-3810		Front mudflaps provided with chassis E	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		<p>Alum tread fuel tank trim, Conv - 2 door</p> <p>Vertical trim only, OEM cab steps remain</p>	1	MTL
20-31-1900	S	Chassis cab painted single color by chassis OEM	1	MTL
20-31-7500		<p>Console in cab</p> <p>Install switch panel (50-11-0900), siren (50-11-14AA), door ajar light (Diamond</p>	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Logic with chassis), Equipment rack not stowed warning light (Diamond Logic with chassis), switch for On Spot chains (20-41-5500), Signal Master control (50-11-7600), radio provisions (50-35-0500), Velcro strip for the wireless Visibeam control (50-21-3088), PTO hour meter (70-20-2100), and pump PTO shift (30-51-1500) in console. Storage area with hinged cover and lift and turn latch provided at rear of console. Gray Zolatone finish ***Layout to be confirmed at the Pre-construction meeting***		
20-41-0600	S	No intake air shutoff for engine	1	MTL
20-41-0900		Auxiliary braking system disabled when pumping	1	MTL
20-41-1100		Transmission programming - Allison WT ***Includes "Pump Engaged" light next to pump shift on chassis instrument panel.	1	MTL
20-41-1500		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.	1	MTL
20-41-1801		Battery boost terminals not required - batteries accessible	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		Rear Tow Hook - pintle hook E On rear of body under dump line	1	MTL
20-41-5500		ON SPOT Automatic traction chains Control to be on the 20-31-7500 console within easy reach of the driver.	1	MTL
20-51-0700		Master Battery Disconnect included with 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 left side pump panel	1	MTL
20-51-651A	U	Kussmaul AutoCharge 2000 dual battery conditioner w/saver Battery conditioner mounted behind console/drivers seat. Auto Eject and readout located on left side pump panel	1	
20-51-7101	S	Electric System Management - Diamond Logic	1	MTL
20-51-7300	S	> Low Voltage Alarm in cab - Diamond Logic ENG. NOTE: Requires 20-51-7100 Electric System Manager	1	MTL
20-51-7500		Super Auto eject for 120 v - 20 A with sealed enclosure	1	MTL
20-51-8510	S	Engine compartment light - LED Switched by the park brake to match the Pumpers and as discussed at the pre-con meeting of Jan 12, 2019	1	MTL
20-51-9000	S	Air horns on hood, lanyard for driver and momentary dash switch	1	MTL
20-52-3000	S	> Chassis steering wheel lined up by Richwil ENG. NOTE: Required for all chassis except Freightliner, Sterling, Spartan The chassis steering wheel will be straightened after the body and load is applied - prior to delivery to the customer.	1	MTL
20-52-4009	U	Pro-Vision Video System - Front, right, left, and rear view camera system - DVR Monitor to be mounted on dash inside cab Cameras mounted similar to Bath, NB M18-20025	1	

PART NO	S	DESCRIPTION	QTY	ID
		Metalfab p/n 1530928 (ref PO #64470) SOPT #1247 - truck specific		
20-60-0400		Chassis wheelbase does not change	1	MTL
20-90-1500		> 12 volt power point E ENG. NOTE: Specify location in shop note	1	MTL
		Install on dash next to the two supplied with the chassis.		
		PUMP AND PLUMBING		
30-11-1000		Hale AP PTO pump - 420 IGPM	1	MTL
30-15-0304		Plumbing - non manifold pump SM SS E	1	MTL
30-20-0500		Valves and controls - side mount panel	1	MTL
30-20-1003	S	Elkhart valves Suction and discharge valves are Elkhart brand.	1	MTL
30-20-1610		Piping stainless steel - non manifold Tanker Schedule 10 stainless pipe is acceptable.	1	MTL
30-20-1700	S	1-1/2" thread specifications - NPSH All 1½" threads shall be NPSH with Red Head Storz adapter supplied	1	MTL
30-20-1800	S	2-1/2" thread specifications - 3x8 BCT Both 2-1/2" suction and discharge threads shall be 3x8 BCT with Red Head Storz adapter supplied.	1	MTL
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 discharge to adapt from dept thread to Red Head Storz. (ref SOPT #46 - truck specific) Department shall supply thread specification of their existing hoses. NPSH for 1.5" and 3x8 BCT for 2.5"	1	
30-20-2000		Piping hydrostatic test	1	MTL
30-20-2510		Anodes in suction and discharge piping - non manifold pump 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
30-21-5520		Tank to Pump SS 3" w/ check valve non manifold pump 4" piping and check valve	1	MTL
30-22-0520		Tank Fill valve 2" SS	1	MTL
30-31-2520		Suction - 4" not gated each side SS non manifold pump 5" header	1	MTL
30-32-7550		Suction - 2-1/2" left side SS, bleeder, non manifold pump	1	MTL
30-41-2040		2-1/2" RS discharge SS, bleeder, non manifold pump	1	MTL
30-41-2540		2-1/2" LS discharge SS, bleeder, non manifold pump	1	MTL
30-43-1520		2-1/2" rear discharge SS, plumbed 2-1/2", bleeder ***One each side - right side will be foam capable	2	MTL
30-44-0520		1-1/2" crosslay (each) SS, 2" valve, bleeder The transverse hose bed is equipped with stainless steel rollers on each end for easier hose removal, the hose rollers shall be vertical and horizontal around the hose opening. The bottom of the crosslay area is lined with black turtle tile. The crosslay area shall be 14" wide with one (1) divider. This allows for each lay to carry two (2) stacks of 1¾" hose without overlap. Both Crosslays are Foam capable	2	MTL
30-51-0400		Pump shift - PTO Pump and Roll ***Includes "Pump Engaged" indicator lights in cab and on the pump panel. ***Includes "Throttle Ready" indicator light on Pump operating panel Includes indicator light in cab showing "OK TO PUMP" when transmission is in neutral, park brake is set, and PTO control energized. The remote electronic	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		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.		
30-51-1500		Power shift PTO - Automatic transmission To drive the pump 30-11-1000.	1	MTL
30-51-1501		> PTO driveshaft E ENG. NOTE: Quantity of 2 for pumps mounted on 4 door cabs due to length	1	MTL
30-51-6640		Class One "TPG Plus" Governor/Throttle	1	MTL
30-51-7002		Suction side relief V/V, non manifold pump Requires 2-1/2" Red Head Storz adapter. Include Red Head Storz adapter to Customer's threads (ref 30-20-18AA)	1	MTL
30-51-7710		Trident Air Primer 2 barrel 1 location	1	MTL
30-51-7720		Additional air tank for air primer system 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
30-52-4010	S	Foam System - Hypro FoamPro 1600 The 1-1/2" crosslays (2) and one 2-1/2" rear (right side only) are to be foam solution capable.	1	MTL
30-52-8100		Electric foam fill pump with panel pickup 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.	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
40-11-6500	S	Tank capacity 1500 Imperial Gallons	1	MTL
40-12-4500		Foam cell - 20 Imperial gallon	1	MTL
40-21-1000		4" tank to pump connection	1	MTL
40-22-0500		2" 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
40-23-1060		10" Newton dump connection	1	MTL
40-30-0500		Sump drain valve (3" gate valve) with linkage E Located left side of tank so no interference with drive line or exhaust.	1	MTL
40-30-1200	S	Water Fill Box - middle left side The fill box will be on the left side 40" from the front of the tank to limit water spillage as discussed with Roland Caissie and the Fire Department on 08.21.2019.	1	MTL
40-31-3500		10" rear Newton dump, stainless steel	1	MTL
40-31-5500		Electric operator for Newton dump, top mount Switch is located on the left rear above the tail lights and flashing warning light. Provisions are made to allow manual operation of the dump line in the event of an emergency.	1	MTL
40-31-5520	U	Electric controls in cab and rear for dump chute There will be additional electric controls installed in the cab and the rear right side of the body to control the dump valve. There will be a guard on each to	1	

PART NO	S	DESCRIPTION	QTY	ID
		protect the switch from accidental activation. SOPT 555		
40-31-5610	U	Stainless Steel dump with rotating chute and telechute SOPT #2	1	
40-31-9010	U	4" Red Head Storz rear fill, Fireman's Friend Right of dump line on rear, bleeder required.	1	
		ELECTRICAL		
50-11-0450	S	Base electrical system - International Diamond Logic multiplex The instrument panel lights, engine compartment lights, rear step lights, ground lights, work lights, shall be switched by the park brake to match the Pumps and as discussed at the Jan 12, 2019 meeting	1	MTL
			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 ***Rocker switch assignments: MASTER -LIGHT BAR RED -REAR BEACONS -FLASHING WARNING -REAR FLOODS -Dump switch with guard 40-31-5520	1	MTL
50-11-1470	U	Whelen 200 Watt Siren - Model 295SLSC1 P/N 1570997 SOPT #954a	1	
50-11-1630	U	Siren speaker, 200 Watt, in front bumper	1	
50-11-2600	U	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	1	
50-11-58AA	U	Federal lighting package	1	
50-11-7600		Rear LED Signal Master warning lights Model SL8. Control will be located in the 20-31-7500 console.	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 lts (pr)-red LED Federal QL43-RR	1	
50-21-1505	U	Unity LED Rear Floods (pr) These lights cannot be managed as they are required for ULC. SOPT #255a	1	
50-21-2535	U	FRC telescoping Spectra LED 12-Volt flood (ea) SPA530-Q15-SW-ON-NS-H One each side on front of front end. Lights are switched on the light head. These lights can be managed to shed. Hazard switch wired to the equipment not stowed warning light in cab.	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.	1	

PART NO	S	DESCRIPTION	QTY	ID
		The wireless control will be located on the console with a Velcro strip.		
50-21-5110	S	Compartment lighting - LED tube lights in each compartment (flush doors) Switched when the doors open to match the Pumpers and as discussed at the Jan 12, 2019 meeting	1	MTL
50-21-5500		Door Ajar warning light Included with the Diamond Logic indicator lights. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL
50-21-5550		Equipment rack not stowed warning light For the PTS, LAS and the two Teelights Included with the Diamond Logic indicator lights. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL
50-21-8001	S	Step lights for body steps - 4" LED Switched with the park brake to match the Pumpers and as discussed at the Jan 12, 2019 meeting	1	MTL
50-21-8200	S	Step lights for chassis steps - LED Switched with the park brake to match the Pumpers and as discussed at the Jan 12, 2019 meeting	1	MTL
50-21-83AA	U	LED lighting for rear step/platform Switched with the park brake to match the Pumpers and as discussed at the Jan 12, 2019 meeting	1	
50-21-8600		LED clearance lts and reflectors	1	MTL
50-22-0700	S	Whelen 64 LED tail/brake-turn-backup module (pr)	1	MTL
50-31-6550	S	Ground lighting (LED Lumabar) - 2 door chassis Switched with the park brake to match the Pumpers and as discussed at the Jan 12, 2019 meeting	1	MTL
50-31-6570	S	Ground lighting (LED Lumabar) - side mount body Switched with the park brake to match the Pumpers and as discussed at the Jan 12, 2019 meeting	1	MTL
50-31-65AA	U	Hose bed lighting - LED on front partition Switched with the park brake to match the Pumpers and as discussed at the Jan 12, 2019 meeting	1	
50-35-0510	U	Provisions for Customer's mobile radio Provision for two (2) customer radios is provided in the chassis console 20317500. 12-Volt power and ground is provided for these radios, powered directly from the battery, not 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 APX 4500 TMR Radio #2 - Motorola XPR 4550 To be powered from the ignition switch	2	
50-35-0600	U	Antenna base only for commercial chassis complete with chrome raincap 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. The proposed location was approved by Chief Greg Williams by phone 04.17.2019.	2	
		BODY		
60-10-1400		Single axle extruded aluminum body	1	MTL
60-10-4100		No "beavertail" rear step supports	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
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
60-11-0200		> Front left side compartments intermediate height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0600		> Front right side compartments intermediate height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0900		> Rear left side compartments intermediate height 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
60-11-3100		No rear compartment E	1	MTL
60-11-4500		Flush mount aluminum door - single with "D" handle Flip down on left and right side over rear wheels.	2	MTL
60-11-5510		Rollup door - intermediate height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	4	MTL
60-31-4100		Extruded aluminum handrails Minimum 2" clearance from handrail to any surface	1	MTL
60-31-5000		Zico access Ladder at rear of unit Minimum 7" clearance between rung and any obstruction	1	MTL
60-31-5500	S	Lighted steps at rear of body (folding) with LED lights - RS only Maximum height between steps is 18"	1	MTL
60-31-5600	S	Steps and grab handles at front of body next to pump panel Maximum height between steps is 18" There shall be two (2) hand rails each side, one (1) on the side of the pump house aft of the crosslays and one (1) vertical at the front edge of the body. The Metalfab standard layout was approved by Greg Williams by phone 04.17.2019.	1	MTL
60-31-5700	S	Pull out step under left side pump panel The slide out step will be installed under the LS pump panel, it shall be up to 19" deep and the width of the pump house.	1	MTL
60-31-6500		Compartment matting-Turtle tile	1	MTL
60-31-8006	U	SCBA cylinder storage compartment (ea) -fender well There shall be a cushion installed at the base of each compartment tube to	4	

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		protect the bottles. Include loop to hold cylinder in place. Customer to specify diameter of cylinders to be stored and OA length Diameter - 7" OA length - 23-1/2"		
60-31-8400	S	Fixed vertical partition There will be a fixed partition installed on the right rear of the tray 60-31-8650 located in the rear right side compartment. There will be SCBA bracket 80-18-0500 installed on each panel for the customer supplied SCBA.	1	MTL
60-31-8650	U	Sliding tray (ea) - 500 lb capacity - lock in - lock out type Slide out trays are installed in the following compartments 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 Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Largest item carried will be a Honda pump that measures 25" long x 22" high x 22" deep	4	
60-31-9600	>	Adjustable shelf (ea) ENG. NOTE: Specify location Shelves are installed in the following compartments; Shelf #1 - Left side front compartment - full depth Shelf #2 - Left side rear compartment - full depth ***All four (4) compartments to have vertical unistrut tracking*** Reflective stripe is applied on the exposed edge for visibility when the compartment door is open.	2	MTL
60-32-3550		Two adjustable hose divider (each) Hand hold required in end	1	MTL
60-32-7500		Hose bed - aluminum 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.	1	MTL
60-33-0000		Paint exterior - Imron Elite *** Paint code and colour to match red on cab (2303) Total paint and primer thickness shall be a minimum of 5.0 mil.	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600		Chassis wheels not painted Polished Aluminum wheels	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 a gray textured paint for chip resistance. Shelves, trays, unistruts and hardware are left natural aluminum.	1	MTL
60-33-2200	S	Lettering - 80 letters up to 3" tall - 3 colour *** Vinyl letters, Fire Department to provide details on location and text. "911" shall be installed in 12" high red reflective on each rear side compartment doors. Drawing approved by customer, photo submitted by customer	1	MTL
60-33-3000		Reflective stripe - 4" white 50% of perimeter each side and 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 on 3m Scotchlite material.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-33-3500		<p>Tarp over hose bed - black The hosebed cover will be secured to top body flanges by quarter turn snaps at front and rear corners of hosebed and Velcro on each side edge 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.</p>	1	MTL
60-33-4600	S	<p>Aluminum cover over crosslays - with end tarps (black)</p>	1	MTL
60-40-5500		<p>Suction hose tube (each) with door To store the 4" x 10' suction hoses 80-11-2000. Located under the tee of the water tank with rear access doors with lift and turn latches. Door ajar switch required.</p>	2	MTL
60-40-8500	S	<p>> Tail light box Fire Extinguisher tubes (pr) ENG. NOTE: Specify size/dimensions of Fire extinguishers to be stored</p> <p>There will be tail light box fire extinguisher tubes installed on the back of the body for the ABC extinguisher 80-17-0500 and CO2 extinguisher 80-17-1000. PAC 1006-B Adjustamount straps will be installed to secure extinguishers in the tubes.</p>	2	MTL
60-41-1000	S	<p>Pike Pole tube with door - storage for two pike poles To store 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.</p>	1	MTL
60-41-6001		<p>> Zico hydraulic portable tank rack ENG. NOTE: Specify mounting location desired. If Portable tank is customer supplied, specify overall dimensions when the tank is in stored position</p> <p>Left side - for the storage of the 2000 Imperial gallon portable tank 80-15-1000. 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.</p>	1	MTL
60-41-6010		<p>ZICO PTS switched at rear above tail light Switch is located on same side as electric rack - left side.</p>	1	MTL
60-41-6090		<p>No tread plate on exterior of ZICO PTS</p>	1	MTL
60-41-7090		<p>No tread plate on body behind porta tank rack</p>	1	MTL
60-41-9001		<p>> Zico hydraulic 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</p> <p>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. Right side for the 35' two section ladder 80-14-2000 and the 16' roof ladder 80-14-6000.</p>	1	MTL
60-41-9010		<p>ZICO LAS switched at rear above tail light E Switch is located on same side as electric rack - right side</p>	1	MTL
INSTRUMENTATION			1	MTL
70-11-0000		<p>Warning Label on Pump Operator's Panel</p>	1	MTL
70-11-0500	S	<p>Side mount instrument panel 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 The instrument panel lights shall be switched by the park brake to match the</p>	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Pumpers and as discussed at the Jan 12, 2019 meeting.		
70-11-1500		Stainless steel instrument panels 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	1	MTL
70-11-3200		Colour coded tags Language to be English	1	MTL
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
70-11-5000		Standard cover over rear top of pump house - no storage	1	MTL
70-11-5500		Right side tread plate pump access door No opening dimension less than 18"	1	MTL
70-11-7500		Heat pan-aluminum	1	MTL
70-11-8000		Heater in pump compartment Heater switch will be located on the left side pump operators panel.	1	MTL
70-20-2130	U	2-1/2" pressure gauge - dual face 0-400 - Thuemling Thuemling control rod assembly with 2-1/2" 0-400 dual scale pressure gauge/bezel assembly (chrome bezel and color code in handle)	6	
70-20-2500		Primer control	1	MTL
70-20-3100		Class One Governor Control Throttle can be no lower than 42" and no higher than 72" from operator's standing position.	1	MTL
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 One each side at the front corner of body, and one on the rear left side above dump valve. Interlock with park brake so powered only when the park brake is set.	1	MTL
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
70-21-2100		> PTO Hourmeter ENG. NOTE: Specify location in shop note Located in the 20-31-7500 console in cab	1	MTL
70-21-5500		Panel readout for Battery Conditioner Located on left side pump panel	1	MTL
		ACCESSORIES	1	MTL
80-11-2000		4" x 10' lightweight suction hose (ea) Tube mounted	2	MTL
80-12-1000	S	4" barrel strainer This will be shipped loose with the completed unit and the fire department will install after delivery as per phone call with Chief Greg Williams on 04.17.2019.	1	MTL
80-12-11AA	U	Mounting plate for 4" barrel strainer - Kocek MM401C P/N 1501177 - SOPT #602 This will be shipped loose with the completed unit and the fire department will install after delivery as per phone call with Chief Greg Williams on 04.17.2019.	1	
80-12-31AA	U	4" low level strainer with 1-1/2" venturi connection Red Head Storz fittings will be installed on the venturi P/N 1501177 - SOPT #602 This will be shipped loose with the completed unit and the fire department will	1	

PART NO	S	DESCRIPTION	QTY	ID
		install after delivery as per phone call with Chief Greg Williams on 04.17.2019. See SOPT in file.		
80-13-0500	S	Rubber mallet - with fibreglass handle This will be shipped loose with the completed unit and the fire department will install after delivery as per phone call with Chief Greg Williams on 04.17.2019.	1	MTL
80-13-0510	U	PAC Toolok 1003 for mounting rubber mallet P/N 1562258 - SOPT #319 This will be shipped loose with the completed unit and the fire department will install after delivery as per phone call with Chief Greg Williams on 04.17.2019.	1	
80-13-1200		Clare hose wrenches (double) with holder Mounted on left side pump panel, right side pump panel and on rear of body where room permits.	3	MTL
80-13-1500		Bar with bracket Mounted horizontally under the rear dump chute.	1	MTL
80-13-2500		Pike pole, fibreglass handle - 10' long Tube mounted.	1	MTL
80-13-2510		Pike pole, fibreglass handle - 6' long Tube mounted.	1	MTL
80-13-4000	S	Axe, pick head, yellow fibreglass handle and bracket ***Non slip hand hold*** P/N 1520133 Mounting location to be on the back of the body beside the dump valve as per discussion with Chief Greg Williams on 04.17.2019.	1	MTL
80-13-4500	S	Axe, flat head, yellow fibreglass handle and bracket ***Non slip hand hold*** P/N 1520146 Mounting location to be on the back of the body beside the dump valve as per discussion with Chief Greg Williams on 04.17.2019..	1	MTL
80-14-2000	S	35' 2 section extension ladder PEL-35	1	MTL
80-14-6000	S	16' aluminum roof ladder PRL-16	1	MTL
80-14-7500		Padded ladder boot - 2 section and roof ladder Sized to fit nested 35' two section extension ladder and 16' roof ladder.	1	MTL
80-14-8500		10' aluminum folding attic ladder FL-10 Stored in the 80-14-9000 attic ladder bracket on right side Zico ladder rack Provide test documents as per 80-99-60AA	1	MTL
80-14-9000		Attic ladder bracket (Zico) Mounted on right side fender top.	1	MTL
80-14-9100	U	Air chuck with 25' of 3/8" air hose Shipped loose, not mounted. Customer will mount. SOPT #777	1	
80-15-1000		2000 l gallon portable tank - Husky Two (2) drain sleeves required. Stored in the hydraulic PTS on left side.	1	MTL
80-16-1500		Akron 2581 gated wye A 2½" gated wye, 2½" Red Head Storz swivel to two (2) gated 1½" male NPSH with Red Head Storz adapters, pyrolite construction shall be supplied. Shipped loose, not mounted. Customer will mount.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
80-17-0500	S	20# dry chemical fire extinguisher and mount Mounting location to be the extinguisher box on the back of the body 60-40-8500 as per phone conversation with Chief Greg Williams on 04.17.2019.	1	MTL
80-17-1000	S	15# CO2 fire extinguisher and mount Mounting location to be the extinguisher box on the back of the body 60-40-8500 as per phone conversation with Chief Greg Williams on 04.17.2019.	1	MTL
80-18-0500	S	SCBA bracket with strap - compt mount Bolted to the verical partition 60-31-8400 on the pull out tray 60-31-8650 in the rear right side compartment. Height - 24" Width - _____ Depth - 9-1/2" Diameter of cylinder - 7: As approved in conversation with Chief Greg Williams by phone on 04.17.2019	2	MTL
80-18-0840	S	Pistol grip nozzle holder - ZICO NBM-2 Mounting location to be each side of the pump house near the crosslays 30-44-0520 as discussed with Chief Greg Williams by phone on 04.17.2019	2	MTL
80-19-0500		Large folding wheel chock - aluminum (ea) not mounted Shipped loose, not mounted. Customer will mount.	2	MTL
80-19-0600	S	> Horizontal bracket for folding wheel chock (ea) ENG. NOTE: Specify location, otherwise ship loose Mounting location to be shipped loose with completed unit for installation by the fire department after the delivery as discussed with Chief Greg Williams by phone on 04.17.2019.	2	MTL
80-99-60AA	U	Ground ladder tests to meet NFPA-1932 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.	1	