



Shop Order

Souris Volunteer Fire Department
 Wayne Campbell
 PO Box 578
 Souris, PEI C0A 2B0
 902-969-7080
 waynecampbell2755@gmail.com



Exp. Date: 02/13/2021
Quote No: 10140-0014
Job/Order No: 22132
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

07/21/2022

Page 1

PART NO	S	DESCRIPTION	QTY	ID
		== Metalfab Pumper - ULC 05/13 - 0.000 ==		MTL
	S	CHANGE ORDER C		MTL
00-05-0010		Dealer - Metalfab	1	MTL
00-10-1500		Metalfab Pumper	1	MTL
00-20-1000		Company Profile	1	MTL
00-20-1500		Standard Body Warranty	1	MTL
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
00-20-2000		Plant Visits - unlimited at customer expense	1	MTL
00-20-3000	S	No Bonding Requested	1	MTL
00-20-3500		Certification for Fusion Welding of Steel and Aluminum	1	MTL
00-20-4000		Quality System registered to ISO 9001:2015	1	MTL
00-20-4500		Fire Apparatus Manufacturers' Association Membership	1	MTL
		GENERAL INFORMATION		MTL
10-11-0000		Intent	1	MTL
10-11-0105		Vehicle Data Recorder not requested	1	MTL
10-11-1100		ULC S515-13 Compliance	1	MTL
10-11-1500		> ULC Testing - Pumper - Imperial units of measure	1	MTL
		ENG. NOTE: Note in the shop note if the Fire Department wishes to witness the test		
10-11-2100		Maximum length not specified	1	MTL
10-11-2200		Maximum height not specified	1	MTL
10-11-2400		Overall length is 30' or more	1	MTL
10-11-2500		General Construction	1	MTL
10-11-3000		Manuals - two copies ***Two copies of chassis manuals are required.	1	MTL
10-11-3600	S	> Delivery - FOB Fire Department	1	MTL
		ENG. NOTE: Note in the shop note if more than 4 hours of training is required		
10-11-4000		Payment Terms - Chassis Net 10 days, Balance COD	1	MTL
10-20-1000	S	Hose bed capacity - standard ULC Pumper	1	MTL
		Department will carry the standard ULC hose load as discussed at the pre-construction meeting of 07.21.2021		
10-20-2000		Equipment carrying capacity - standard ULC Pumper	1	MTL
		This vehicle is designed to carry the standard ULC miscellaneous equipment load of 2000 pounds.		
		CHASSIS INFORMATION		MTL
20-11-1000	S	Chassis - Freightliner M2 106 four door, 45,600 GVW	1	MTL
		45,600 lbs GVWR, 14,600 lbs front axle, 31,000 lbs single rear axle 256" WB and 143.11" CA and 70" rear overhang		

PART NO	S	DESCRIPTION	QTY	ID
		Cummins L9 330 hp @ 2000 RPM, 2200 governed RPM, 1000 lb/ft @ 1200 RPM Allison 3000 EVS with package 198, 6-speed Driveline series 1710 270 amp alternator Locking differential, rear leaf suspension, ESC 189 litre fuel tank 68 MPH - 109 km/h Air horns with two (2) foot switches and toggle switch for steering wheel button Light under hood with Freightliner switch A/C Air ride driver seat and four (4) Bostrom SCBA seats with SecureAll provision Paint code L0612 EY to match M13-17113 Paint sample approval: Received at pre-construction meeting of 07.21.2021 and sent to John Mackay on 07.22.2021 Tire thread is Michelin XZE on the front and XDN2 on the rear to match the two (2) previous units.		
20-11-11AA	U	Chassis dealership - Nova Truck Centers	1	
20-11-1500		2013 Emission chassis modifications	1	MTL
20-11-1600	S	Chassis Motor Vehicle Inspection as included with chassis	1	MTL
20-21-0500		Fluid capacity plate	1	MTL
20-21-0600		Pumping test plate	1	MTL
20-21-1030		Maximum riders sign - 5 persons	1	MTL
20-21-1510		Seat belt warning labels - 4 door chassis	1	MTL
20-21-1560		LED Tire Pressure Indicators - Single Axle	1	MTL
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	1	MTL
20-21-3500		Rear step warning label	1	MTL
20-21-3810		Front mudflaps provided with chassis	1	MTL
20-21-4000		Rear mudflaps - Metalfab Logo	1	MTL
20-31-0200		Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-1100		Alum tread fuel tank covers, diamond grip steps, Conv - 4 dr Bottom step to be single continuous step and come out the same distance as the body rub rail. Top step to be as continuous as possible	1	MTL
20-31-1900	S	Chassis cab painted single tone by chassis OEM	1	MTL
20-31-7500	S	Console in cab Install the following: 20-51-6200 - Shoreline on each side facing the rear, 12" from the floor to meet ULC 30-51-0500 - Pump shift 50-11-0900 - Rocker switch panel 50-11-7600 - Traffic Advisor control 50-35-0500 - Customer supplied communication radio 50-35-10AA - Metalfab supplied TMR radio as requested at the pre-construction meeting of 07.21.2021 Storage area with hinged cover and lift and turn latch provided at rear of console. Gray zolatone finish	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
20-41-1500		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	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		chassis manufacturer's emission specifications.		
20-41-1900		Battery boost terminals 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
20-41-5000		Rear Tow Hooks - under body	1	MTL
		*** Flat bar tow hooks under rear step (2)		
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
20-51-4000	S	Auto eject for air inlet - LS Pump panel	1	MTL
		LS Pump panel to match M09-13028		
20-51-6200	S	> 120 volt 20 A shore line connection in chassis cab	3	MTL
		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		
		1. for battery conditioner to plug into		
		2. RS rear of console 20-31-7500		
		3. LS of rear console 20-31-7500		
		12" off the floor to meet ULC		
20-51-6500		Kussmaul Autocharge 1000 battery conditioner w/battery saver	1	MTL
		Rear left corner of the chassis cab and plugged into shoreline 20-51-6200		
20-51-7102	S	Electric System Management - VMUX	1	MTL
20-51-7500		Super Auto eject for 120 v - 20 A with sealed enclosure	1	MTL
		On LS Pump panel to match M09-13028		
20-51-8505		Engine compartment light included with chassis	1	MTL
		LED light in engine compartment supplied by Freightliner and controlled by an OEM switch on the chassis dash		
20-51-9001	S	Hood mounted air horn supplied w/chassis	1	MTL
		The controls will be foot switches at driver and officer position. There will be a switch on the chassis dash to allow steering wheel horn button activation		
20-52-3500		> Chassis steering wheel lined up by Metalfab	1	MTL
		ENG. NOTE:		
		Freightliner, Sterling, and Spartan only		
20-52-40AA	U	Pro Vision camera front and back, VDR	1	
		There will be a front and rear camera wired to a monitor on the chassis dash and a digital video recorder. As requested at the pre-construction meeting of 07.21.2021		
20-60-0400		Chassis wheelbase does not change	1	MTL
		PUMP AND PLUMBING		MTL
30-11-5600		Hale QFLO Single stage 1050 IGPM	1	MTL
30-12-3300		Mechanical seal for Hale QFLO pump	1	MTL
30-15-0102	S	Plumbing - Hale manifold pump TM Stainless	1	MTL
30-20-1000		Valves and controls - top mount panel	1	MTL
30-20-1002		Akron valves specified	1	MTL
30-20-1600		Piping stainless steel - general	1	MTL
30-20-1700	S	1-1/2" thread specifications - NPSH thread	1	MTL
30-20-1800	S	2-1/2" thread specifications - Charlottetown thread (3.25 x 5NF)	1	MTL
30-20-2000		Piping hydrostatic test	1	MTL
30-20-2500		Anodes in suction and discharge piping	1	MTL
		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.		
		*** Order with pump ***		

PART NO	S	DESCRIPTION	QTY	ID
30-21-5590		Tank to Pump TM SS 3" w/ check valve manifold pump	1	MTL
30-22-0530		Tank Fill valve 2" TM SS	1	MTL
30-31-4010		Suction - 6" not gated each side manifold pump	1	MTL
30-32-8540	U	Suction - 2-1/2" left side SS, TM control, Hale Manifold pump	1	
30-32-9040	U	Suction - 2-1/2" right side SS, TM control, Hale manifold pump	1	
30-40-3010	S	4" right discharge SS, plumbed 4", handwheel, Hale manifold, bleeder, 4" cap	1	MTL
30-41-2030		2-1/2" RS discharge TM SS, bleeder, Hale manifold pump	1	MTL
30-41-2530		2-1/2" LS discharge TM SS, bleeder, Hale manifold pump	1	MTL
30-42-85AA	U	1-1/2" Preconnect in compartment over rear wheel (ea) 60-11-1900 Rollers at each end of compartment, swivel connection at back of compartment Plastic interlocking tiles on floor 200' of 1.75" hose capacity and pistol grip nozzle Match Montague PEI M16-18521	2	
30-43-1530		2-1/2" rear discharge TM SS, plumbed 2-1/2", bleeder *** One (1) Left Side and one (1) Right Side	2	MTL
30-44-6530	S	Piping for monitor TM SS, plumbed 3", bleeder Centered above pump house from left to right and will be capped for future use of customer supplied monitor. As discussed at the pre-construction meeting of 07.21.2021	1	MTL
30-44-8530	U	Hose reel, 1" x 200', nozzle, electric - rear compartment mounted Recessed in rear compartment to fit under dump valve (40-31-4600) Location of rewind button: On the side wall of the compartment beside the reel Flow requirement of nozzle: 40 gpm Akron 1402 as a minimum As discussed at the pre-construction meeting of 07.21.2021	1	
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 LS pump panel by Metalfab Control on LS pump panel	1	MTL
30-51-6800		FRC InControl Governor/Throttle engine display with throttle knob	1	MTL
30-51-7000		Suction side relief V/V, manifold pump	1	MTL
30-51-7718	S	Trident Automatic Air Primer 3 barrel 1 location with gauge There will be a Trident Automatic primer as discussed at the pre-construction meeting of 07.21.2021	1	MTL
30-51-7720	S	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		Foam System - Hypro FoamPro 1600 The 1.5" pre-connected outlets over rear fender well (30-42-85AA) are to be foam solution capable unless otherwise specified.	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				
40-11-2100		Polypropylene water tank (Imperial gallons)	1	MTL
40-11-2200		Water tank capacity certification (tank manufacturer)	1	MTL
40-11-5000		Tank capacity 1000 Imperial Gallons	1	MTL
40-12-4500		Foam cell - 20 Imperial gallon	1	MTL
40-21-0500		3" tank to pump connection	1	MTL
40-22-0500		2" tank fill connection	1	MTL
40-23-0500	S	3/4" water level gauge connection	1	MTL
40-23-1000	S	3/4" foam level gauge connection	1	MTL
40-23-1040	S	4" direct fill connection - for LH panel mounted fill connection	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
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	1	MTL
40-30-1000		Water Fill Box front left corner	1	MTL
40-31-4500		10" rear Newton dump, painted steel	1	MTL
40-31-4600		Newton dump, side mount manual operation, painted steel	1	MTL
		Lock open device is required		
40-31-5000		Newton dump - 36" telechute painted steel	1	MTL
40-31-80AA	U	4" Gated direct fill located on LH pump panel, 4" Storz connection, bleeder	1	
		4" gated direct fill with butterfly valve handwheel control mounted on the left side pump panel to match M09-13028		
40-31-9000		4" Storz rear fill, Fireman's Friend	1	MTL
		In rear compartment beside dump valve (40-31-4600). Connection to be near rollup door edge to allow easy connection.		
		ELECTRICAL		MTL
50-11-0300		Base electrical system - multiplex	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	1	MTL
		As required by ULC and NFPA standards		
50-11-0900	S	Rocker switch panel with master warning switch	1	MTL
		***Rocker switch assignments:		
		MASTER		
		-LIGHT BAR RED		
		-LIGHT BAR CLEAR		
		-REAR BEACONS		
		-FLASHING WARNING		
		-REAR FLOODS		
		-LS SCENE		
		-RS SCENE		
50-11-1400		Federal PA300 100 watt siren	1	MTL
50-11-1620	>	Siren speaker, 100 watt, in front bumper - Federal AS124	1	MTL
		ENG. NOTE:		
		AS124 speaker 1570860		
50-11-2600		Siren to be accessible to driver and officer	1	MTL
50-11-58AA	U	Federal LPX53DS-NFPA LED light bar	1	
		Clear lights in lightbar will be wired as flashers to match previous truck		
50-11-7600		Rear LED Signal Master warning lights	1	MTL
		Make and model: Federal SL8 with base controller		
50-11-80AA	U <	Federal Pro LED Beacon both red (pair)	1	
		300TMPC-R + 300TMPC-R		
		Both beacons will be Model 300TMPC-R		
50-12-5020		Front LED flashers (pr)-red Federal QL64XF-R	1	MTL
50-12-5110		Rear LED flashers (pr)-red Federal QL64XF-R	1	MTL
50-12-5210	S	Front side inter lts (pr)-red LED Federal QL43XF-R, side of hood	1	MTL
		Metalfab suggest changing to QL43 for better fit on side of hood.		
		Change was approved at pre-construction meeting of 07.21.2021		
50-12-5310		Body side inter lts (pr)-red LED Federal QL64XF-R	1	MTL
50-12-5410	>	Additional body side inter lts (pr)-red LED Federal QL64XF-R	1	MTL
		ENG. NOTE:		
		Required if distance between front and rear side intersection lights exceeds 25'		
50-21-1505		Rear floods (pr) Unity LED	1	MTL
		Note that these lights are also used as rear step lights and cannot be managed		

PART NO	S	DESCRIPTION	QTY	ID
		Switched in cab and on lighthead		
50-21-2530	U	FRC telescoping Spectra LED 12V flood (ea) There will be a pair of 12-volt LED extenda lights supplied and installed on the rear of the chassis cab. Model # SPA530-Q15-SW-NS-SR These lights can be wired to shed and wired to Equipment Not Stored light (50-21-5550). Switched on the light head As discussed at the pre-construction meeting of 07.21.2021	2	
50-21-5100	>	Compartment lighting - LED tube lights in each compartment (rollup doors) ENG. NOTE: Rollup doors only Lights required in pre-connect compartment over rear wheels	1	MTL
50-21-5500		Door Ajar warning light Bilingual Warning label in cab to read: "Do Not Move Apparatus when Light is on" Installed above driver seating position Includes sensor for door above pump house storage - 70-11-5100	1	MTL
50-21-5550		Equipment rack not stowed warning light One required for LAS and one for manual drop down ladder rack Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on" Installed above driver seating position	2	MTL
50-21-8001	S	Step lights for body steps - 4" LED, park brake cont Switched with the park brake	1	MTL
50-21-8110	S	Step lights for walkway - 4" LED, park brake cont Switched with the park brake	1	MTL
50-21-8201	S	Step lights for chassis steps - LED, park brake cont Switched with the park brake	1	MTL
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
50-31-6006	>	Scene lights (pr) - Federal QL97 LED ENG. NOTE: Specify location Lights will be located on upper side corners of the body, switched in cab and able to shed	2	MTL
50-31-6010		Scene light boxes (pr) - tread plate Note any special requirements	2	MTL
50-31-6560	S	Ground lighting (LED Lumabar) - 4 door chassis, park brake cont Switched with the park brake	1	MTL
50-31-6580	S	Ground lighting (LED Lumabar) - top mount body, park brake cont Switched with the park brake	1	MTL
50-31-65AA	U	Hose bed lighting - LED lumabar on front partition, park brake cont Switched with the park brake	1	
50-35-0500	S	Installation of customer supplied mobile radio Motorola Radius M1225 Radio information list required To be installed in console 20-31-7500 The radio is a Motorola Radius M1225 and was picked up at the pre-construction meeting of 07.21.2021	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-35-0560	S	VHF antenna with base - commercial chassis Fire department to advise if any special mounting instructions required: Mounting will be standard location behind the light bar as discussed at pre-construction meeting of 07.21.2021.	1	MTL
50-35-0590	S	Cellular/TMR antenna with base - commercial chassis There will be a TMR antenna supplied and installed on the chassis cab for the radio 50-35-10AA as requested at the pre-construction meeting of 07.21.202. Mounting will be standard location behind the light bar.	1	MTL
50-35-10AA	U	TMR radio - supply and install There will be a TMR radio supplied and installed which will be installed in the console 20-31-7500. As requested at the pre-construction meeting of 07.21.2021	1	
51-31-4500		Dielectric strength test for line voltage system BODY	1	MTL
60-10-1400		Single axle extruded aluminum body	1	MTL
60-10-4100		No "beavertail" rear step supports	1	MTL
60-10-4500		Aluminum tread plate fender surround - single axle	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
60-11-0700	>	Front right side compartments full 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
60-11-1400	>	Rear right side compartments full height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-1900	S	> Low side compartment (up to 18") left side ENG. NOTE: Specify critical dimensions in shop note Specify type of door Specify flip up or drop down Specify which side of body For pre-connect discharges 30-42-85AA With flip down doors	2	MTL
60-11-2000	S	> High side compartment (over 18") right side ENG. NOTE: Specify critical dimensions in shop note Specify type of door Specify flip up or drop down Specify which side of body Upper right side ahead of HLAS rack 60-41-9500 and above 60-11-9000 compartment	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-11-3200		> Full Height Rear compartment ENG. NOTE: Specify critical dimensions in shop note Recessed floor to house hose reel 30-44-8500	1	MTL
60-11-4530	U	Surface mount aluminum door - single with D-handle, drop down Doors will cover the pre-connected hoseline compartments.	2	
60-11-5500	S	Rollup door - standard height - upper R2 Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	1	MTL
60-11-5510	S	Rollup door - intermediate height - L1 and L3 Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	2	MTL
60-11-5520	S	Rollup door - full height - R1, R3 and B1 Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	3	MTL
60-11-5655	S	< Amdor pull straps - Flex - HD (for door opening 20"-37") - Upper R2 SOPT #1114 - truck specific	1	MTL
60-11-5660	S	< Amdor pull straps - Flex - HD (for door opening 49"-70") - R1, R3 and B1 SOPT #1114 - truck specific	3	MTL
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"	1	MTL
60-31-5600		Steps and grab handles at front of body next to pump panel Maximum height between steps is 18"	1	MTL
60-31-6500		Compartment matting - black plastic interlocking tile	1	MTL
60-31-8006	U	BA bottle compartment (ea) - fender well No door switches required Retaining loops included Customer to specify make and model of cylinder to be stored: Make: Scott Model: 2.2 2216 PSI Bottle Length: 23-3/4" Bottle diameter: 6-3/4" Department to provide picture of valve/cap (to ensure retaining loop will fit): Saved at F:/Data/Jacques/Current Project/Souris/Pictures As measured at the pre-construction meeting of 07.21.2021	4	
60-31-8700	S	> Sliding tray (ea) - 400 pound capacity with gas strut and latch ENG. NOTE: Specify location Reflective stripe is applied on the exposed edge for visibility when the compartment door is open 1. L3 compartment 1. R3 compartment	2	MTL
60-31-9600	S	> Adjustable shelf (ea) ENG. NOTE: Specify location White Reflective stripe is applied on the exposed edge for visibility when the	7	MTL

PART NO	S	DESCRIPTION	QTY	ID
		compartment door is open Adjustable shelf location and size: 1. R1 - Shallow 2. R1 - Shallow 3. R3 - Shallow 4. R3 - Shallow 5. B1 - Deep and adjustable above dump valve 40-31-4600 6. L1 - Deep 7. L3 - Deep As discussed at the pre-construction meeting of 07.21.2021		
60-32-3570		Four 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 colour to match chassis cab	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600	S	Chassis wheels not painted - Polished aluminum	1	MTL
60-33-1000		Paint pump and plumbing job colour	1	MTL
60-33-1500		Buffed finish compartment interior	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. Match previous unit - see pictures F:/Data/Jacques/Current Project/Souris/Picture Truck # will be Pumper 4 as advised by Wayne on 03.18.022 by e-mail Will include - front door decals, rear door decals, 911 in reflective red on rear side compartment doors and "Keep back 150 Metres" in white reflective with black outline on back compartment door As discussed at the pre-construction meeting of 07.21.2021 and approved by Wayne on 03.17.2022 by e-mail	1	MTL
60-33-3000		Reflective stripe - 4" white 50% of perimeter each side and 25% of perimeter front	1	MTL
60-33-3310		Reflective stripe - red and yellow chevron at rear 50% of rear at minimum 3M Scotchlite printed material	1	MTL
60-33-35AA	U	Hose bed restraint plate There will be a removable end plate mounted at the end of the hose bed to hold the hose to meet ULC. Plate will have two (2) hand holds and slots under for the pre-connected 2.5" hoses. It will slide into slots on each side of the hose bed Refer to pictures in F:/Data/Jacques/Current Project/Souris/Picture As discussed at the pre-construction meeting of 07.21.2021	1	
60-33-4700		No crosslay preconnects on vehicle	1	MTL
60-40-5500		Suction hose tube (each) with door Fully enclosed and sized to fit Metalfab supplied hoses 80-11-5000. Door ajar switch required	2	MTL
60-41-1000	S	Pike Pole tube with door along with attic ladder Located under left side fender top with a rear access stainless steel door with lift and turn latch. Tubes will be sized to fit Metalfab supplied 6' and 10' pike pole (80-13-2500 and 80-13-2510). There will be labels on the compartment door to identify the pike pole locations Door ajar switch required Will be storage for the attic ladder 80-14-8500 beside the pike pole tubes as discussed at the pre-construction meeting of 07.21.2021	2	MTL
60-41-7500	>	Drop down ladder rack - 2 section, roof - manual operation 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	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Mounted on the LS for Metalfab supplied 24' and 14' ladders		
60-41-7515		<i>Assist handles not required</i>	1	MTL
60-41-9500	S	> <i>Zico Horizontal Ladder Access system right side</i> 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	1	MTL
		Include HLAS-OS optional stop 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. To store Metalfab supplied 35' 3-section ladder (80-14-2500)		
60-41-9510		<i>ZICO HLAS switched at rear above tail light</i> Switch is located on same side as electric rack	1	MTL
		INSTRUMENTATION		
70-11-0000		<i>Warning Label on Pump Operator's Panel</i>	1	MTL
70-11-1500		<i>Stainless steel instrument panels</i> 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
70-11-2000		<i>Top mount instrument panel</i> 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
70-11-2500	S	<i>Transverse walkway with fixed end steps</i>	1	MTL
70-11-2600		<i>Tread plate overlay on back of chassis cab</i>	1	MTL
70-11-3000	S	<i>Mansaver bars - 20"</i> Engineering department approved length of 20" (arm portion is 17" and fixed mount is 3" for total assembled length of 20").	1	MTL
70-11-3200	S	<i>Colour coded tags</i> Pre-connects 30-42-85AA to be red and yellow. As discussed at the pre-construction meeting of 07.21.2021	1	MTL
70-11-3501	S	<i>Compartments in ends of walkway not requested</i>	1	MTL
70-11-4506	U	<i>Diamondback grip type panel hood step right side</i>	1	
70-11-4606	U	<i>Diamondback grip type panel hood step left side</i>	1	
70-11-5100	S	<i>Storage top of pump house</i> Includes drains run to below the chassis frame level, LED Lumabar and plastic interlocking tiles on the floor	1	MTL
70-11-52AA	U	<i>Hinged cover for dunnage storage area top of pump house</i> The door will be wired to the Door Ajar indicator light (50-21-5500), have rubber hood latch and aluminum handle as per proposal drawing Door to be in two (2) pieces to clear the monitor piping and monitor that may be installed in the future. Storage 70-11-5100 will be full length under. As discussed at the pre-construction meeting of 07.21.2021	1	
70-11-5500		<i>Right side tread plate pump access door</i> No opening dimension less than 18"	1	MTL
70-11-5600		<i>Left side tread plate pump access door</i> No opening dimension less than 18"	1	MTL
70-11-5700		<i>Transverse tread plate pump access door</i> No opening dimension less than 18"	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
70-11-7500		<i>Heat pan-aluminum</i>	1	MTL
70-11-8000		<i>Heater in pump compartment</i> Switch located on the tranverse pump operators panel	1	MTL
70-20-2130		<i>2-1/2" pressure gauge - dual face 0-400 - Thuemling brand</i>	9	MTL
70-20-2500	S	<i>Automatic Trident Primer control</i> There will be an Automatic Trident Primer control as requested at the pre-construction meeting of 07.21.2021	1	MTL
70-20-3300		<i>FRC InControl Governor Control</i> 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
70-20-6500		Test gauge panel	1	MTL
70-20-7500		<i>Heat exchanger control valve</i>	1	MTL
70-21-1500	S	<i>Electric Foam Level gauge, on pump panel, Class One</i> Include access to and room for sender in front of body and back of pump house	1	MTL
70-21-5500		<i>Panel readout for Battery Conditioner</i> LS pump panel to match M09-13028	1	MTL
71-21-4500	S	<i>Speaker on pump panel</i> Wired to customer supplied radio 50-35-0500 in console 20-31-7500 as confirmed at the pre-construction meeting of 05.21.2021	1	MTL
ACCESSORIES				MTL
80-11-5000		<i>6" x 10' lightweight suction hose (ea)</i> Tube mounted 60-40-5500	2	MTL
80-12-2500		<i>6" barrel strainer</i> To be shipped loose for customer mounting	1	MTL
80-13-0500		<i>Rubber mallet</i> To be shipped loose for customer mounting	1	MTL
80-13-1500		<i>Bar with bracket</i> To be mounted on rear step under rear compartment	1	MTL
80-13-2500	S	<i>Pike pole, fibreglass handle - 10' long</i> To be stored in tube under left side fender top (60-41-1000)	1	MTL
80-13-2510		<i>Pike pole, fibreglass handle - 6' long</i> To be stored in tube under left side fender top (60-41-1000)	1	MTL
80-13-4000	S	<i>Axe, pick head, fibreglass handle and bracket, back compt</i> Mount on side wall of rear compartment to match M09-13028	1	MTL
80-13-4500	S	<i>Axe, flat head, fibreglass handle and bracket, back compt</i> Mount on side wall of rear compartment to match M09-13028	1	MTL
80-14-0500		<i>24' 2 section extension ladder PEL 24</i> Mount on manual rack 60-41-7500	1	MTL
80-14-2500		<i>35' 3 section extension ladder PEL3-35</i> Mount on HLAS 60-41-9500	1	MTL
80-14-5500	S	<i>14' aluminum roof ladder PRL-14</i> Mount on manual rack 60-41-7500	1	MTL
80-14-7500		<i>Padded ladder boot - 2 section and roof ladder</i>	1	MTL
80-14-8500	S	<i>10' aluminum folding attic ladder FL-10</i> To be stored in tube 60-41-1000 as discussed at the pre-construction meeting of 07.21.2021. Supplied to meet ULC	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
80-18-0680	S	<p>< <i>Supply and install Bostrom SecureALL SCBA bracket in SecureALL ready seat (ea)</i> SOPT #959a</p>	4	MTL
		<p>Freightliner seats include provisions for SecureAll brackets</p>		
80-99-25AA	U	<p><i>Piston Intake Relief Valve - 6"FNH x 4" Storz w/4" Storz cap</i> Intake Model#H500S-40-60NH, 6" NH female swivel short handle w/ 250-S RV, 4" Storz outlet - Harrington Brand 4" Storz cap Model#HBC-40-US SOPT#1218</p>	1	
		<p>Department to advise mounting location - left side to match current units. As confirmed at the pre-construction meeting of 07.21.2021</p>	As	
80-99-30AA	U	<p><i>Blitzfire monitor, combination nozzle and mounting bracket</i> There will be a Blitzfire XXC-33 monitor with combination nozzle and mounting bracket supplied and installed as per fire department instruction as requested at the pre-construction meeting 07.21.2021 Mounting location to be right side of the hose bed as discussed with Wayne Campbell by phone on 07.12.2022</p>	1	