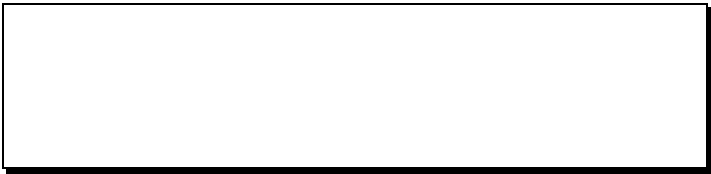




Shop Order

North Shore Rural Community Fire Company
 PO Box 84
 Rte 25
 York, PEI C0A 1P0
 shawbrothersfarm@gmail.com



Exp. Date: 04/16/2017
Quote No: JNOPE-0018
Job/Order No: 20421
BODY: 00-10-31 Metalfab Tanker - ULC 05/13

06/19/2019

Page 1

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
00-20-1500		Standard Body Warranty	1	MTL
00-20-1550		Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
00-20-1800	S	Polypropylene Tank Lifetime Warranty	1	MTL
00-20-2000		Plant Visits - unlimited at customer expense	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
10-11-0105		Vehicle Data Recorder not requested E	1	MTL
10-11-1100	S	ULC S515-13 Compliance	1	MTL
10-11-1600	S	> ULC Testing - Mobile Water Supply Fire Fighting Apparatus w/no Pump	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 E	1	MTL
10-11-2200		Maximum height not specified E	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	1	MTL
		***Two copies of chassis manuals are required.		
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
10-20-1200		Hose bed capacity - standard ULC Tanker	1	MTL
10-20-2200		Equipment carrying capacity - standard ULC Tanker	1	MTL
		CHASSIS INFORMATION	1	MTL
20-11-1000	S	< Chassis supplied by Metalfab - Freightliner M2 112 two door	1	MTL
		223" wheelbase 157.45" cab to axle		
		70,000 lb GVW 18,000 lb front 52,000 lb rear		
		Detroit DD13 - 450 hp @ 1625 rpm, 1900 governed rpm		
		1650 lb/ft torque @ 975 rpm		
		Allison 4000 EVS automatic transmission 6 speed, 275 amp alternator		
		Rear spring suspension		
		60 US gallon fuel tank		
		Polished fuel tank and stainless bands		
		ESC		
		2 - tone paint L0001 Black over L0214 EB Red		

PART NO	S	DESCRIPTION	QTY	ID
		Paint codes and paint line to be confirmed		
20-11-1500		2013 Emission chassis modifications	1	MTL
20-11-1600	S	Chassis Motor Vehicle Inspection - as supplied by chassis dealer	1	MTL
20-21-0500		Fluid capacity plate	1	MTL
20-21-1010		Maximum riders sign - 3 persons	1	MTL
20-21-1500		Seat belt warning labels - 2 door chassis	1	MTL
20-21-1540		Tire Pressure Indicators - Tandem Axle	1	MTL
20-21-1600		Apparatus Information Label	1	MTL
		An information label is provided in the chassis cab, visible to the driver, stating: "When manufactured, this vehicle was: ** m high ** m long ** kg GVW Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"		
20-21-2000		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
20-31-0100	S	Fuel tank or step covers not required There will not be any additional chassis step trim required.	1	MTL
20-31-0200		Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-1900	S	Chassis cab painted two tone color by Freightliner	1	MTL
20-41-0600		Intake air shutoff for engine not required	1	MTL
20-41-0800	S	Auxiliary braking system - no programming required	1	MTL
20-41-1200		Transmission programming not required	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
20-41-1900		Battery boost terminals with chassis E Included with chassis	1	MTL
20-41-2200		Chassis batteries relocated to body compartment E Relocated to the front portion of the front left side compartment unless otherwise specified.	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 *** Flat bar tow hooks under rear step (2)	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
20-51-4000		Auto eject for air inlet - LS Located in left side cab step area	1	MTL
20-51-6200	S	> 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 One for the battery condition to plug into One in the upper corner of the R1 compartment	2	MTL
20-51-6500		Kussmaul Autocharge 1000 battery conditioner w/battery saver Located in the two man bench seat storage area.	1	MTL
20-51-7101	S	Electric System Management - VMUX	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
20-51-7500		Super Auto eject for 120 v - 20 A with sealed enclosure Located in left side cab step area	1	MTL
20-51-8510	S	Engine compartment lights LED One required to light up engine compartment. Switched when park brake is set.	1	MTL
20-51-9001	S <	Air horns as supplied with chassis Control for driver only (foot switch)	1	MTL
20-52-3500		> Chassis steering wheel lined up by Metalfab E ENG. NOTE: Freightliner, Sterling, and Spartan only	1	MTL
20-52-4000		Rear View Camera system Rearview Systems STM5600 with 5.6" colour monitor in cab mounted on the dash.	1	MTL
20-60-0400		Chassis wheelbase does not change	1	MTL
		PUMP AND PLUMBING	1	MTL
30-11-0100		Pump not required	1	MTL
30-20-0100		Pump Panel not required	1	MTL
30-20-1800	S	2-1/2" thread specifications - 3.25 x 5NF	1	MTL
30-51-8200		Heat Exchanger not required (no pump)	1	MTL
30-52-3001		Foam system not requested E	1	MTL
		WATER AND FOAM TANKS	1	MTL
40-11-2100	S	Polypropylene water tank (Imperial gallons)	1	MTL
40-11-2200		Water tank capacity certification (tank manufacturer)	1	MTL
40-11-7601	S	Tank capacity special - 3500 Imperial Gallons	1	MTL
40-13-0100	S >	Through the tank tunnel - for portable tank storage ENG. NOTE: Requires Ladder tube storage 60-40-90 or any other tube mounts necessary	1	MTL
		For 80-15-1005 portable tank storage Ref 60-40-9500.		
40-23-0500		1" water level gauge connection	1	MTL
40-23-1050		4" Fireman's Friend connection	1	MTL
40-23-1060		10" Newton dump connection	1	MTL
40-30-0400		3" plug in sump box	1	MTL
40-30-1100		Water Fill Box middle left side	1	MTL
40-31-3500		10" rear Newton dump, stainless steel	1	MTL
40-31-3800	S >	Newton stainless steel 90 degree slip on elbow and 36" slip ENG. NOTE: Mounting brackets are not included	1	MTL
		Requires side mount control on dump valve to allow the porta tank tube to be lower.		
40-31-5500		Electric operator for Newton dump Switch is located on the left rear over the tail lights	1	MTL
40-31-55AA	U	Additional dump switch control in the chassis cab There will be an additional dump switch control installed in the cab with a guard over the switch. SOPT 57	1	
40-31-9000		4" Storz rear fill, Fireman's Friend	1	MTL
40-99-0010	U	6" Storz external tank suction connection Provide an additional sump box, drain plug and 6" Storz suction connection at the rear of the tank for an external pump suction connection. Includes a 4" butterfly valve and a 6" Storz fitting under the rear dump valve.	1	
		ELECTRICAL	1	MTL
50-11-0300		Base electrical system - multiplex E Electrical box to be under the 2 man bench seat in storage area.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
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 switches are located in center overhead console. ***Rocker switch assignments: MASTER -LIGHT BAR RED -LIGHT BAR CLEAR -FLASHING WARNING -LEFT SCENE -RIGHT SCENE -REAR SCENE -DITCH LIGHTS -REAR FLOODS -Spare switch for future use	1	MTL
50-11-1400		Federal PA300 100 watt siren Located in center overhead console if room, otherwise in dash.	1	MTL
50-11-1620		Siren speaker, 100 watt, in front bumper	1	MTL
50-11-2600		Siren to be accessible to driver and officer	1	MTL
50-11-6100	S	Whelen light package	1	MTL
50-11-61AA	U <	Whelen F4N0QLED light bar - NFPA PN 1571022 2 red front corners, 2 front facing white, 2 front facing red SOPT 891	1	
50-11-6501	S	No Rear Directional Light	1	MTL
50-11-8001	S >	No Rear beacons ENG. NOTE: Confirm that necessary lighting for ULC/NFPA is present	1	MTL
50-12-8500	S	Front LED flashers (pr)-Whelen red LED 400	1	MTL
50-12-8600	S	Rear LED flashers (pr)-Whelen red LED 400	1	MTL
50-12-8620	S	Rear LED flashers (pr)-Whelen red LED C9 with integral flasher	1	MTL
50-12-8700	S	Front side inter lts (pr) - Whelen red LED 400	1	MTL
50-12-8800	S	Body side inter lts (pr)-Whelen red LED 400	1	MTL
50-12-8820	S	Body side inter lts (pr)-Whelen red LED C9 with integral flasher	1	MTL
50-12-8900	S >	Add'l body side inter lts (pr)-Whelen red LED 400 ENG. NOTE: Required if distance between front and rear side intersection lights exceeds 25'	1	MTL
50-21-1505	U <	Unity LED flood lights (pr) Switched in cab and with reverse gear. These lights cannot be managed as they are required for ULC.	1	
50-21-1610	U <	Parking (ditch) lights in rear fenders - LED with stainless steel housing (pr) Interlock with reverse of transmission and switch in cab. These lights can be managed to shed.	1	
50-21-29AA	U <	Additional lighting in cab to illuminate floor area - 2dr chassis SOPT 998	1	
50-21-5100	>	Compartment lighting - LED tube lights in each compartment (rollup doors) ENG. NOTE: Rollup doors only	1	MTL
50-21-5500		Door Ajar warning light Located in overhead console over drivers seating position. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-21-8001	S	Step lights for body steps - LED as required Switched when park brake is applied.	1	MTL
50-21-8200	U <	12" Lumabar LED step lights for 2-door chassis SOPT 194a Switched when park brake is applied.	1	
50-21-8600		LED clearance lts and reflectors	1	MTL
50-21-8800		LED intermediate turn signal/clearance/reflector length >30'	1	MTL
50-22-0900		Federal QuadraFlare LED tail/brake-turn-backup module (pr)	1	MTL
50-31-6006	S < >	Scene lights (pr) - Federal QL97 LED One pair on the middle side of the body and one pair on the rear of the unit mounted below the red flashers. Switched in cab (3 switches) These lights can be managed to shed. The rear pair will be interlocked with the reverse gear of the transmission.	2	MTL
		ENG. NOTE: Specify location		
50-31-6011		Scene light boxes not required E	2	MTL
50-31-6550		Ground lighting (LED Lumabar) - 2 door chassis Switched when park brake is applied.	1	MTL
50-31-6570		Ground lighting (LED Lumabar) - side mount body Switched when park brake is applied.	1	MTL
50-31-65AA	U	Hose bed lighting - LED on front partition (ULC requirement) Switched when park brake is applied.	1	
50-35-0560	S	VHF antenna with base - commercial chassis There will be a VHF antenna installed on the cab and the cable run to a location under the chassis dash.	1	MTL
50-35-0590	S	TMR antenna with base - commercial chassis There will be a TMR antenna installed on the cab and the cable run to a location under the chassis dash.	1	MTL
		BODY		
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
60-10-5450	S >	Diamondback 10" rear step ENG. NOTE: Maximum height of rear step is 24" from ground The rear step will be as short as possible as long as it is slightly longer than the rear dump valve.	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	S >	Rear left side compartments intermediate height ENG. NOTE:	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Specify critical dimensions in shop note		
		There will be a compartment and rollup installed behind the rear chassis wheels.		
60-11-1300	S	> Rear right side compartments intermediate height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
		There will be a compartment and rollup installed behind the rear chassis wheels.		
60-11-5510		Rollup door - intermediate height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	2	MTL
60-11-5510	S	Rollup door - intermediate height There will be a compartment and rollup installed behind the rear chassis wheels. 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 There will be a compartment and rollup installed behind the rear chassis wheels. Natural aluminum finish. Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	1	MTL
60-31-4100		Extruded aluminum handrails Minimum 2" clearance from handrail to any surface	1	MTL
60-31-5500	S	LED steps at rear of body (folding) Maximum height between steps is 18"	1	MTL
60-31-6500	S	Compartment matting-Interlocking tile	1	MTL
60-31-8700		> Sliding tray (ea) - 400 pound capacity with gas strut ENG. NOTE: Specify location	1	MTL
		Left side front compartment at floor level Reflective stripe is applied on the exposed edge for visibility when the compartment door is open		
60-31-87AA	U <	Vertical partitions on pull out tray to carry 6 hoses SOPT The partitions will be on unistruts to allow them to be adjustable for various hose sizes.	1	
60-31-9600	S	> Adjustable shelf (ea) ENG. NOTE: Specify location	2	MTL
		Shelve #1 - Front left compartment - shallow Shelve #2 - Front right compartment - specify if full depth Reflective stripe is applied on the exposed edge for visibility when the compartment door is open		
60-32-3500		One adjustable hose divider 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 red to match red on cab	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600		Chassis wheels not painted	1	MTL
60-33-1500		Buffed finish compartment interior	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-33-2200	S	Lettering - 80 letters up to 3" tall - 3 colour *** Vinyl letters, Fire Department to provide details on location and text. The truck # will be "4"	1	MTL
60-33-22AA	U	Additional lettering on side of body There will be additional lettering on the side of the body (NORT SHORE) in Black with silver shadow.	1	
60-33-3000	S	Reflective stripe - 4" black 50% of perimeter each side and 25% of perimeter front and will be black to match the rear Chevrons	1	MTL
60-33-3310	S <	Reflective stripe - red and black chevron at rear ULC spec only Minimum 50% of rear vertical surface. The colors will be red and black reflective.	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 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.	1	MTL
60-33-4700		No crosslay preconnects on vehicle E	1	MTL
60-40-5500	S <	Storage tube (each) with door Tube to be 6' long with rear access door as shown on the proposal drawing. Door ajar switch required. Opening will be approximately 10" x 10". Tube to be completely enclosed and sealed.	2	MTL
60-40-9500	>	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 To house the 2500 gallon portable tank 80-15-1005.	1	MTL
60-99-15AA	U	Two tone paint on body The top of the body will be painted black to match the top of the chassis cab.	1	
INSTRUMENTATION				
70-20-3500	S	Electric water level gauge on rear of body, Class One	1	MTL
70-21-5500		Panel readout for Battery Conditioner Located in left side cab step area	1	MTL
ACCESSORIES				
80-13-1100	S	Hose wrenches (triple) with holder There will be a hose wrench set which includes a hydrant wrench supplied and installed on the rear of the body.	1	MTL
80-13-1200	S	Clare hose wrenches (double) with holder There will be a set of Clare hose wrench set supplied and installed on the rear of the body.	1	MTL
80-15-1005		2500 l gallon portable tank - Husky	1	MTL
80-17-05AA	U	10lb dry chemical extinguisher and mount There will be a 10lb ABC extinguisher and vehicle mount bracket supplied and installed as per fire department instruction. Mounting location: _____	1	
80-99-55AA	U <	4" Storz to 2.5" swivel female with CP plug 2-1/2" swivel and CP plug to have Customers threads. Adapter will be shipped loose, not mounted. Customer will mount SOPT 137	1	

PART NO	S	DESCRIPTION	QTY	ID
		Part numbers 1501088 - Adapter		
		1500269 - CP Plug		