



Shop Order-00-10-15: Unclassified

St. Andrews Fire Department
 Benny TenBrinke
 85 Glenroy Road
 RR #1 St Andrews
 Antigonish, NS B0H 1X0



Exp. Date: 01/07/2016
Quote No: JSANS-0010 **Job/Order No:** 18975
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

02/08/2017

Page 1

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			== Metalfab Pumper - ULC 05/13 - 0.000 ==	1	MTL
			METALFAB QUOTEWRITER VERSION MAY 2013	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
00-20-1550			Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
00-20-1700			Hale Pump Warranty - 5 years	1	MTL
00-20-1800	S		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 Aluminum	1	MTL
00-20-4000			Quality System registered to ISO 9001:2008	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	1	MTL
10-11-1100	S		ULC S515-13 Compliance	1	MTL
10-11-1500		>	ULC Testing - Pumper	1	MTL
10-11-2100			Maximum length not specified E	1	MTL
10-11-2200	S		Maximum height - 116"	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
10-11-3600	S	>	Delivery - FOB Fire Department	1	MTL
10-11-4000			Payment Terms - Chassis Net 10 days, Balance COD	1	MTL
10-20-1000			Hose bed capacity - standard ULC Pumper	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	1	MTL
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1600	S		Chassis Motor Vehicle Inspection as provided by chassis dealership (Nova)	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
20-21-1540			Tire Pressure Indicators - Tandem Axle	1	MTL
20-21-1600			Apparatus Information Label	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

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
20-21-3810			Front mudflaps provided with chassis	1	MTL
			E		
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	1	MTL
20-31-1900	S		Chassis cab painted single color (red) by chassis OEM - Freightliner	1	MTL
20-31-7500			Console in cab	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	1	MTL
			E		
20-41-1900			Battery boost terminals with chassis	1	MTL
			E		
20-41-2200			Chassis batteries relocated to body compartment	1	MTL
			E		
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	1	MTL
			E		
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	1	MTL
20-51-6200		>	120 volt 20 A shore line connection in chassis cab	3	MTL
20-51-6500			Kussmaul Autocharge 1000 battery conditioner w/battery saver	1	MTL
20-51-7100			Electric System Manager	1	MTL
20-51-7500			Super Auto eject for 120 v - 20 A with sealed enclosure	1	MTL
20-51-8500			Engine compartment lights (pair)	1	MTL
20-51-9001	S		Air horns on cab hood as supplied with chassis	1	MTL
20-52-3500		>	Chassis steering wheel lined up by Metalfab	1	MTL
			E		
20-60-0400			Chassis wheelbase does not change	1	MTL
			PUMP AND PLUMBING	1	MTL
30-11-5600			Hale QFLO Single stage 1050 IGPM	1	MTL
30-12-3300			Mechanical seal for Hale QFLO/QPAK pumps	1	MTL
30-15-0104			Plumbing - Hale manifold pump SM SS	1	MTL
			E		
30-20-0500			Valves and controls - side mount panel	1	MTL
30-20-1001			Valve brand not specified	1	MTL
			E		
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 - NSZ1	1	MTL
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2500			Anodes in suction and discharge piping	1	MTL
30-21-5560			Tank to Pump SS 3" w/ check valve manifold pump	1	MTL
30-22-0520			Tank Fill valve 2" SS	1	MTL
30-31-4010	S		Suction - 6" each side manifold pump	1	MTL
30-31-7100		>	Hale master intake suction valve - handwheel control	2	MTL
30-32-7530	S		Suction - 2-1/2" left side SS, bleeder, Hale manifold pump	1	MTL
30-40-2020			4" right discharge SS, 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	1	MTL
30-44-0520	S		1-1/2" crosslay SS, 2" valve, bleeder	2	MTL
30-51-0500			Pump shift-Midship air	1	MTL
30-51-0700			Pump Gearbox mounted manual over ride for pump shift	1	MTL
			E		
30-51-6800			FRC InControl Governor/Throttle engine display with throttle knob	1	MTL
30-51-7000			Suction side relief V/V, manifold pump	2	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-51-7700			Primer Hale oil less ESP with oil tank Hale	1	MTL
30-51-7800			<i>Pre Primer for gated suction Hale primer</i>	2	MTL
30-51-8100			<i>Heat exchanger included with chassis</i>	1	MTL
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-2000			<i>Drain valve for foam system header</i>	1	MTL
30-52-5610			<i>Foam system-Hypro FoamPro 2001 Dual Tank</i>	1	MTL
30-52-6500			<i>FoamPro dual tank selector valve (manual)</i>	1	MTL
30-52-9100			<i>Foam concentrate label at foam tank fill</i>	2	MTL
30-52-9200			<i>Foam System Instruction Plates</i>	1	MTL
30-52-9400			<i>NFPA Foam System certification test</i>	1	MTL
			WATER AND FOAM TANKS	1	MTL
40-11-2100	S		<i>Polypropylene water tank (Imperial gallons)</i>	1	MTL
40-11-2200			Water tank capacity certification (tank manufacturer)	1	MTL
40-11-7500	S		<i>Tank capacity 2500 Imperial Gallons</i>	1	MTL
40-12-4500			<i>Foam cell - 20 Imperial gallon</i>	2	MTL
40-21-0500			<i>3" tank to pump connection</i>	1	MTL
40-22-0500			<i>2" tank fill connection</i>	1	MTL
40-23-0500			<i>1" water level gauge connection</i>	1	MTL
40-23-1040			<i>4" direct fill connection</i>	1	MTL
40-23-1060			<i>10" Newton dump connection</i>	1	MTL
40-30-0500			<i>Sump drain valve (3" gate valve) with linkage</i>	1	MTL
			E		
40-30-1100			<i>Water Fill Box middle left side</i>	1	MTL
40-31-4500			<i>10" rear Newton dump, painted steel</i>	1	MTL
40-31-5000			<i>Newton dump - 36" telechute painted steel</i>	1	MTL
40-31-5500			<i>Electric operator for Newton dump</i>	1	MTL
40-31-5600		>	<i>Rotating dump chute for Newton dump painted steel</i>	1	MTL
40-31-5800			<i>Support for rotating dump chute if necessary</i>	1	MTL
40-31-8000			<i>4" Storz rear gtd fill</i>	1	MTL
40-99-05AA	U		<i>Rear Back Tank Fill</i>	1	
			ELECTRICAL	1	MTL
50-11-0500			Base electrical system	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
50-11-0900			<i>Rocker switch panel with master warning switch</i>	1	MTL
50-11-1400			<i>Federal PA300 100 watt siren</i>	1	MTL
50-11-1620			Siren speaker, 100 watt, in front bumper	1	MTL
50-11-2600			<i>Siren to be accessible to driver and officer</i>	1	MTL
50-11-58AA	U	>	<i>Federal LPX53DS-NFPA light bar</i>	1	
50-11-6501	S		<i>Rear Directional Light not requested</i>	1	MTL
50-11-9010			<i>Rear beacons-Federal Micro Escape LED (pr) - both red</i>	1	MTL
50-12-5020			<i>Front LED flashers (pr)-red Federal QL64XF-R</i>	1	MTL
50-12-5110			<i>Rear LED flashers (pr)-red Federal QL64XF-R</i>	1	MTL
50-12-5210			<i>Front side inter lts (pr)-red LED Federal QL64XF-R</i>	1	MTL
50-12-5310			<i>Body side inter lts (pr)-red LED Federal QL64XF-R</i>	1	MTL
50-12-5410		>	<i>Additional body side inter lts (pr)-red LED Federal QL64XF-R</i>	1	MTL
50-21-1500			<i>Rear floods (pr)-Unity</i>	1	MTL
50-21-2520	U		<i>FRC telescoping SPECTRA LED 12V flood (ea)</i>	2	
50-21-3000		>	<i>Remote control electric spot/flood (ea) Spartan</i>	1	MTL
50-21-5100		>	<i>Compartment lighting - LED tube lights in each compartment (rollup doors)</i>	1	MTL
50-21-5500			<i>Door Ajar warning light</i>	1	MTL
50-21-5550			<i>Equipment rack not stowed warning light</i>	2	MTL
50-21-8001			<i>Step lights for body steps - 4" LED</i>	1	MTL
50-21-8201	S		<i>Step lights for chassis steps - LED - ref 50-31-6550</i>	1	MTL
50-21-8600			LED clearance lts and reflectors	1	MTL
50-21-8800			<i>LED intermediate turn signal/clearance/reflector length >30'</i>	1	MTL
50-22-0700	S		<i>Whelen 64 LED tail/brake-turn-backup module (pr)</i>	1	MTL
50-31-6006		>	<i>Scene lights (pr) - Federal QL97 LED</i>	3	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
50-31-6011			Scene light boxes not required	2	MTL
50-31-6550	S		Ground and step lighting (LED Lumabar) - 2 door chassis	1	MTL
50-31-656A	U		LED Step lighting for back of body	1	
50-31-656B	U		One 12" LED lumabar in cab to light floor are to meet ULC	1	
50-31-6570			Ground lighting (LED Lumabar) - side mount body	1	MTL
50-31-65AA	U		Hose bed lighting - LED on front partition	1	
50-35-0500			Installation of customer supplied mobile radio	2	MTL
50-35-0559			Mobile radio antenna provided by customer	2	MTL
			E		
50-99-01AA	U	<	Honda EU3000iKC Inverter Generator	1	
			SOPT 647		
			Customer to specify what compartment generator is to be mounted in (otherwise will be shipped loose).		
			BODY	1	MTL
60-10-1600			Tandem axle extruded aluminum body	1	MTL
60-10-4100			No "beavertail" rear step supports	1	MTL
60-10-4510			Aluminum tread plate fender surround - tandem axle	1	MTL
60-10-4700			Integral aluminum fender trim	1	MTL
60-10-5400		>	Diamondback pumphouse steps	1	MTL
60-10-5430		>	Diamondback 19" rear step	1	MTL
60-10-6000			Extruded rub rail	1	MTL
60-11-0200		>	Front left side compartments intermediate height	1	MTL
60-11-0600		>	Front right side compartments intermediate height	1	MTL
60-11-0900		>	Rear left side compartments intermediate height	1	MTL
60-11-1300		>	Rear right side compartments intermediate height	1	MTL
60-11-1900		>	Low side compartment (up to 18") each	4	MTL
60-11-3100			No rear compartment	1	MTL
			E		
60-11-4500			Flush mount aluminum door - single with "D" handle	4	MTL
60-11-5510			Rollup door - intermediate height	4	MTL
60-31-4100			Extruded aluminum handrails	1	MTL
60-31-5500	S		Steps at rear of body (folding) to access hose bed	1	MTL
60-31-5600			Steps and grab handles at front of body next to pump panel	1	MTL
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8000			BA bottle compt (ea)-fender well	4	MTL
60-31-8400		<	Fixed vertical partition	1	MTL
			The fixed partition will be mounted on a pull out sliding tray and 4 SCBA brackets with straps (80-18-0500) will be bolted to the partition - 2 per side.		
			Customer to specify which pull out tray the partition is to be mounted		
			Customer to specify the diameter of the SCBA Cylinder to be stored		
			Customer to specify the overall height of SCBA Cylinder to be stored		
60-31-8800		>	Sliding tray (ea) - 600 pound capacity	4	MTL
60-31-9600		>	Adjustable shelf (ea)	4	MTL
60-32-3550			Two adjustable hose divider (each)	1	MTL
60-32-7500			Hose bed - aluminum	1	MTL
60-33-0000			Paint exterior - Imron Elite	1	MTL
60-33-0200			Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600			Chassis wheels not painted	1	MTL
60-33-1000			Paint pump and plumbing job colour	1	MTL
60-33-1500			Buffed finish compartment interior	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-33-2200			Lettering - 80 letters up to 3" tall - 3 colour	1	MTL
60-33-3000			Reflective stripe - 4" white	1	MTL
60-33-3310			Reflective stripe - red and yellow chevron at rear	1	MTL
60-33-3500			Tarp over hose bed - black	1	MTL
60-33-4600			Aluminum cover over crosslays - with end tarps (black)	1	MTL
60-40-5500			Suction hose tube (each) with door	2	MTL
60-41-1015			Pike Pole tube in suction hose tube	2	MTL
60-41-6001		>	Zico hydraulic portable tank rack	1	MTL
60-41-6010	S		ZICO PTS switched on left side pump panel	1	MTL
60-41-6090			No tread plate on exterior of ZICO PTS	1	MTL
60-41-7090			No tread plate on body behind porta tank rack	1	MTL
60-41-9000		>	Zico electric Ladder Access system	1	MTL
60-41-9010	S		ZICO LAS switched on right side pump panel	1	MTL
60-41-9100			Manual locking system for LAS	1	MTL
60-99-05AA	U	<	Wheel chock compartment	1	
			SOPT 144		
			A compartment with a single drop down deckplate door with a lift and turn latch will be installed in the left fender between the the tandem axles(Similar to Montague M12-15977, see pics at Metalfabphotos Montague, PE - M12-15977 3639 and 3640). The compartment will house two Customer supplied and installed wheel chocks.		
			Customer to supply make, model and dimensions of wheel chocks to be stored;		
			Make - _____		
			Model - _____		
			Overall length - _____		
			Overall width - _____		
			Overall height - _____		
			Note to Customer - to meet the new ULC standard, each wheel chock is to be designed to hold the fully loaded vehicle on a 20% grade when transmission is in neutral and park brake is released (ULC Section 4.9.3.1.P).		
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-0500			Side mount instrument panel	1	MTL
70-11-1500			Stainless steel instrument panels	1	MTL
70-11-3200			Colour coded tags	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
70-11-5100			Open storage at rear top of pump house	1	MTL
70-11-52AA	U	<	Flip up (hinged) treadplate door over pump house storage compartment	1	
			SOPT 146		
			Door will be hinged at front		
			Lighting in storage area will be installed and the door will be wired to the door ajar system		
70-11-5500			Right side tread plate pump access door	1	MTL
70-11-7500			Heat pan-aluminum	1	MTL
70-11-8000			Heater in pump compartment	1	MTL
70-20-1500			2-1/2" pressure gauge - dual face 0-600	7	MTL
70-20-2500			Primer control	3	MTL
70-20-3300			FRC InControl Governor Control	1	MTL
70-20-3510			Electric water level gauge on pump panel and at rear, Class One	1	MTL
70-20-6500			Test gauge panel	1	MTL
70-20-7500			Heat exchanger control valve	1	MTL
70-21-1600	S		Electric Foam Level gauge not requested	2	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
70-21-5500			Panel readout for Battery Conditioner	1	MTL
			ACCESSORIES	1	MTL
80-12-2500			6" barrel strainer	1	MTL
80-12-2700			6" floating strainer	1	MTL
80-12-4500		>	6" low level strainer with 1-1/2" venturi connection	1	MTL
80-13-0500			Rubber mallet	1	MTL
80-13-1000			Hose wrenches (double) with holder	2	MTL
80-13-1100			Hose wrenches (triple) with holder	1	MTL
80-13-1500			Bar with bracket	1	MTL
80-13-2500	S	<	Pike pole, fibreglass handle	2	MTL
			One to be 10' and one to be 8'		
			Tube mounted - Install labels on door to indicate the length of pike pole stored in the respective tubes.		
80-13-4000			Axe, pick head, fibreglass handle and bracket	1	MTL
80-13-4500			Axe, flat head, fibreglass handle and bracket	1	MTL
80-14-8500			10' aluminum folding attic ladder FL-10	1	MTL
80-14-9000			Attic ladder bracket (Zico)	1	MTL
80-15-1005		<	2500 l gallon portable tank - Husky	1	MTL
			To be Yellow in color.		
			Mounted on PTS		
80-17-0500			20# dry chemical fire extinguisher and mount	1	MTL
80-17-1000			15# CO2 fire extinguisher and mount	1	MTL
80-18-0500		<	SCBA bracket with strap - compt mount	4	MTL
			Mounted on fixed partition 60-31-8400 on a pull out tray - 2 per side		
80-99-05AA	U	<	6" female long handle to 4.5" male adapter	1	
			SOPT		
			Not mounted, shipped loose (to be mounted by Customer)		
80-99-10AA	U	<	15' suction hose - 6"	2	
			SOPT 149		
			Tube mounted		