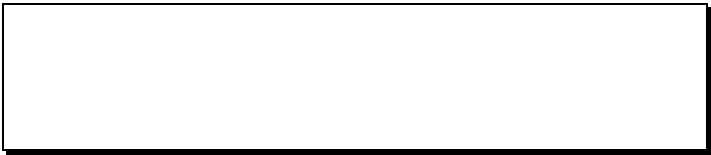




Shop Order-00-10-15: Unclassified

Woods Harbour Shag Harbour Volunteer FD
 Scott Bubar
 20 Seaview Drive
 Woods Harbour, NS B0W 2E0



Exp. Date: 09/11/2014
Quote No: 10138-0018 **Job/Order No:** 18742
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

02/08/2017

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PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			== Metalfab Pumper - ULC 05/13 - 0.000 ==	1	MTL
			Change Order F	1	MTL
00-10-1500	S		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			Ultra 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			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
10-11-0110			Vehicle data recorder included with chassis	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			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
10-11-3600	S	>	Delivery - FOB Fire Department	1	MTL
10-11-4000			Payment Terms - Chassis Net 10 days, Balance COD	1	MTL
10-20-1400	S	< >	Hose capacity exceeding ULC/NFPA requirements	1	MTL
			Will carry 1000' of 4" hi-vol (approx 900 lb) plus the ULC requirement of 1200' of 2-1/2" double jacket hose (approx 750 lb)		
10-20-2000			Equipment carrying capacity - standard ULC Pumper	1	MTL
			CHASSIS INFORMATION	1	MTL
20-11-1000	S		Chassis supplied by Metalfab - Spartan Metro Star LFD	1	MTL
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1600			Chassis Motor Vehicle Inspection not required	1	MTL
20-21-0500			Fluid capacity plate	1	MTL
20-21-0600			Pumping test plate	1	MTL
20-21-1040			Maximum riders sign - 6 persons	1	MTL
20-21-1510			Seat belt warning labels - 4 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	S		Non removable key - with chassis	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
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
			E		
20-21-4000			Rear mudflaps - Metalfab Logo	1	MTL
20-31-0100			Fuel tank or step covers not required	1	MTL
20-31-0200			Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-1900	S		Chassis cab painted white over red by Spartan - Special paint line	1	MTL
			E		
20-31-4700	S	>	Extend front bumper, gravshld with preconnected hosewell	1	MTL
			E		
20-41-0600			Intake air shutoff for engine not required	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		
20-41-2000			Chassis batteries remain in OEM location	1	MTL
20-41-2560			Fuel fill at LS rear fender well with SCBA style door	1	MTL
			E		
20-41-2600			Chassis fuel tank remains in OEM location	1	MTL
20-41-5010	S		Rear Tow Hooks - through rear of body	1	MTL
20-51-0700			Master Battery Disconnect included with chassis	1	MTL
20-51-2500			Back up alarm included with chassis	1	MTL
20-51-3100		<	Air inlet not required	1	MTL
			Auto air eject is ordered with the Spartan chassis to match Departments last truck.		
20-51-3400			Protection valve installed for air operated accessories	1	MTL
20-51-6200	S	>	120 volt 20 A shore line connection in chassis cab	2	MTL
20-51-6501	S		Kussmaul 1200 Battery Charger with 120-V, 20-Amp auto eject with chassis	1	MTL
20-51-7102	S		Total System Manager included with chassis	1	MTL
			E		
20-51-9001	S		Air horns included with chassis	1	MTL
20-52-3500		>	Chassis steering wheel lined up by Metalfab	1	MTL
			E		
20-52-40AA	U		Rear view camera - with Spartan chassis	1	
20-60-0400			Chassis wheelbase does not change	1	MTL
20-99-0010	U		Sliding tray for Laptop	1	
20-99-05AA	U	<	Air horn control on Pump panel	1	
			SOPT 475		
			PUMP AND PLUMBING	1	MTL
30-11-8100			Hale QMAX 1250 IGPM single stage pump	1	MTL
30-12-3500			Mechanical seal for Hale QMID/QMAX/QTWO pumps	1	MTL
30-15-0103			Plumbing - Hale manifold pump SM	1	MTL
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
30-21-9500			Tank to Pump 4" Ball valve, handwheel control with check valve manifold pump	1	MTL
30-22-1500			Tank Fill valve 2-1/2"	1	MTL
30-31-4010	S		Suction - 6" each side manifold pump	1	MTL
30-31-7200		>	Hale master intake suction valve - electric control	2	MTL
30-32-7500			Suction - 2-1/2" left side, bleeder, Hale manifold pump	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-40-2599	U	<	4" Rear discharge, stainless, 4" valve and handwheel control SOPT 733 Piping to be routed between tank and compartments - back top corner of compartments will be notched slightly for clearance.	1	
30-41-2000			2-1/2" RS discharge, bleeder, Hale manifold pump	1	MTL
30-41-2500			2-1/2" LS discharge, bleeder, Hale manifold pump	1	MTL
30-43-1500			2-1/2" rear discharge, plumbed 2-1/2", bleeder	1	MTL
30-44-0700	S	<	1-1/2" speedlay (each) front of pumphouse, plumbed 2" With removable hose trays. Hose storage capacity requirements for each tray is as follows: 200 ft of 1-3/4" hose Include vertical rollers each side of opening and horizontal rollers above bottom of each opening to hold speedlay tray in place	2	MTL
30-44-0799	U	<	Extra speedlay tray SOPT 859 To be interchangeable with 30-44-0700. Shipped loose.	2	
30-44-1000		< >	1-1/2" front trash line, plumbed 2", hosewell Connection to be on top of bumper to allow the connection of a foam eductor, Hose well to carry 200' x 1-3/4" hose complete with nozzle.	1	MTL
30-44-3500	S		2-1/2" crosslay, plumbed 2-1/2", bleeder	1	MTL
30-44-6500			Piping for monitor, plumbed 3", bleeder	1	MTL
30-51-0500			Pump shift-Midship air	1	MTL
30-51-0700			Pump Gearbox mounted manual over ride for pump shift E	1	MTL
30-51-6700			FRC Pump Boss Governor/Throttle engine display	1	MTL
30-51-7000			Suction side relief V/V, manifold pump	2	MTL
30-51-8100			Heat exchanger included with chassis	1	MTL
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-3001			Foam system not requested	1	MTL
30-99-05AA	U		Automatic air primer	1	
30-99-10AA	U		Trident air pre-primer	2	
			WATER AND FOAM TANKS	1	MTL
40-11-2100			Ultra-Tank water tank (Imperial gallons)	1	MTL
40-11-2200			Water tank capacity certification (tank manufacturer)	1	MTL
40-11-7500			Tank capacity 2500 Imperial Gallons	1	MTL
40-21-1000			4" tank to pump connection	1	MTL
40-22-1000			3" tank fill connection	1	MTL
40-23-0500			1" water level gauge connection	1	MTL
40-23-1040			4" direct fill connection	1	MTL
40-23-1060			10" Newton dump connection	1	MTL
40-30-0500			Sump drain valve (3" gate valve) with linkage E	1	MTL
40-30-1100			Water Fill Box middle left side	1	MTL
40-31-3500			10" rear Newton dump, stainless steel	1	MTL
40-31-3600			Newton dump - stainless steel 36" telechute	1	MTL
40-31-5500			Electric operator for Newton dump	1	MTL
40-31-5600	U	<	Stainless steel rotating dump chute There will be a rotating stainless steel dump chute installed on the dump valve SOPT 2	1	

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
40-31-8000			4" Storz rear gtd fill	1	MTL
			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			Rocker switch panel with master warning switch	1	MTL
50-11-2600			Siren to be accessible to driver and officer	1	MTL
50-11-6110	S	<	Whelen light bar included with chassis Whelen Freedom FN72QLED 6R2C layout #1	1	MTL
50-11-6610			Rear LED Traffic Advisor warning lights - flush mount	1	MTL
50-11-8600			Rear LED beacons-Whelen MCFLED2R (pr) both red	1	MTL
50-12-8521			Front flashers, intersection lights included with chassis, Whelen 600	1	MTL
50-12-8610			Rear LED flashers (pr)-Whelen red LED 600 with integral flasher	1	MTL
50-12-8810			Body side inter lts (pr)-Whelen red LED 600 with integral flasher	1	MTL
50-12-8905		>	Add'l body side inter lts (pr)-Whelen red LED 600 with integral flasher	1	MTL
50-12-8905	S	>	Add'l body side inter lts (pr)-Whelen red LED 600 with integral flasher	1	MTL
50-21-15AA	U	<	Unity LED rear flood lights (pr) SOPT 255A	1	
50-21-3010	S	>	Remote control electric spot (ea) Visibeam	1	MTL
50-21-5100		>	Compartment lighting - LED tube lights in each compartment (rollup doors)	1	MTL
50-21-5500			Door Ajar warning light	1	MTL
50-21-5550			Equipment rack not stowed warning light	2	MTL
50-21-8001			Step lights for body steps - 4" LED	1	MTL
50-21-8201	S		LED Step lights for chassis steps - w/chassis	1	MTL
50-21-8510			Rear clearance lights on rubber arms (pr)	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			Whelen 64 LED tail/brake-turn-backup module (pr)	1	MTL
50-31-6560	S		LED Ground lighting - w/chassis	1	MTL
50-31-6570	S	<	Ground lighting (LED Lumabar) - side mount body Have lights under each compartment	1	MTL
50-35-0500	S		Installation of customer supplied mobile radio	2	MTL
50-35-0565	S		VHF antenna with base - custom chassis (thick roof)	2	MTL
50-99-20AA	U	<	Ditch lights LED with Stainless steel housing (pr) Switched in cab and automatically activate when transmission is placed in reverse gear. SOPT 160A	1	
50-99-2500	U	<	FRC Spectra 12-volt LED surface lights (pr) Two on each side and one on rear as shown on drawing FRC SPA260-Q15 - 12 volt lights switched in cab SOPT	5	
50-99-45AA	U	<	Hose bed LED lights LED tube lights mounted on front partition - Three 20" SOPT 560	1	
51-31-3000	S	< >	120 volt wiring for Inverter For Inverter 51-99-15AA Note that Neutral is bonded to chassis ground.	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
51-31-3100		>	Automatic 110 volt transfer switch	1	MTL
51-31-4500			Dielectric strength test for line voltage system	1	MTL
51-99-15AA	U	<	3Kw Inverter SOPT 341 Vanner VLT12-3000 (Metalfab part number 1031842)	1	
			BODY	1	MTL
60-10-1600		<	Tandem axle extruded aluminum body ***Minimum deck plate on body****	1	MTL
60-10-4100			No "beavertail" rear step supports	1	MTL
60-10-4600			Painted fender surround	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
60-11-0250		>	Second front left side compartments intermediate height	1	MTL
60-11-0300		>	Front left side compartments full height E	1	MTL
60-11-0650		>	Second front right side compartments intermediate height	1	MTL
60-11-0700		>	Front right side compartments full height E	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
60-11-4000		>	Surface mount aluminum door	4	MTL
60-11-4500			Flush mount aluminum door - single with "D" handle	4	MTL
60-11-5510			Rollup door - intermediate height	4	MTL
60-11-5520			Rollup door - full height	2	MTL
60-11-5530			Rollup door - to enclose pump panel	1	MTL
60-31-4100	S		Extruded aluminum handrails	1	MTL
60-31-5000			Zico access Ladder at rear of unit	1	MTL
60-31-5500	S		Steps at rear of body (folding)	1	MTL
60-31-5600			Steps and grab handles at front of body next to pump panel	1	MTL
60-31-5700		<	Pull out step under body (each) Under Left side pump house	1	MTL
60-31-5800		<	Special step over rear dump Over rear dump and rear fill - as shown on drawing.	1	MTL
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8000			BA bottle compt (ea)-fender well	7	MTL
60-31-8700	S	>	Sliding tray (ea) - 400 pound capacity with gas strut	6	MTL
60-31-9600	S	>	Adjustable shelf (ea)	6	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
60-33-1600	S		Special paint compartment interior - gray zolatone E	1	MTL
60-33-3000	S		Reflective stripe - 4" white	1	MTL
60-33-3310	S		Reflective stripe - red and yellow chevron at rear	1	MTL
60-33-4600	S		Aluminum cover over crosslay - with end tarps (red netting)	1	MTL
60-40-4500			6" Hose tray - side mount (ea)	1	MTL
60-40-5500		<	Suction hose tube (each) with door Will be for 15' suction hoses	2	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-41-1015			<i>Pike Pole tube in suction hose tube</i>	2	MTL
60-41-6001		>	<i>Zico hydraulic portable tank rack</i>	1	MTL
60-41-6010			<i>ZICO PTS switched at rear above tail light</i>	1	MTL
60-41-6110			<i>Painted plate on exterior of Zico PTS</i>	1	MTL
60-41-7100			<i>Tread plate on body behind porta tank rack</i>	1	MTL
60-41-9000		>	<i>Zico electric Ladder Access system</i>	1	MTL
60-41-9010			<i>ZICO LAS switched at rear above tail light</i>	1	MTL
			<i>E</i>		
60-41-9100			<i>Manual locking system for LAS</i>	1	MTL
60-99-05AA	U	<	<i>Swing out tool board</i> <i>SOPT 123B</i>	1	
60-99-10AA	U	<	<i>Hose bed restraint - mesh</i> <i>For end of hose bed, speedlay's, and ends of crosslay</i> <i>Rear 1/3 and ends only - not full length</i> <i>Black in color</i> <i>Restraints on hose bed cover to be Velcro</i>	1	
60-99-15AA	U		<i>Compartment under speedlay (pr)</i>	1	
60-99-20AA	U	<	<i>Pass through compartment in pump house</i> <i>With Surface mount door each end - ref 60-11-4000</i> <i>Between the 2-1/2" Crosslay and the 1-1/2" speedlay's.</i> <i>The plumbing for the 2-1/2" crosslay shall NOT be routed</i> <i>through this compartment - ref 30-44-3500.</i>	1	
			INSTRUMENTATION	1	MTL
70-11-0000			<i>Warning Label on Pump Operator's Panel</i>	1	MTL
70-11-0501			<i>Side mount instrument panel with rollup door LS only</i>	1	MTL
70-11-1500			<i>Stainless steel instrument panels</i>	1	MTL
70-11-3200	S		<i>Colour coded tags</i>	1	MTL
70-11-4500	S		<i>Diamondback grip type panel hood step right side</i>	1	MTL
70-11-5100			<i>Open storage at rear top of pump house</i>	1	MTL
70-11-5300			<i>Right side painted pump access door</i>	1	MTL
70-11-7500			<i>Heat pan-aluminum</i>	1	MTL
70-11-8000			<i>Heater in pump compartment</i>	1	MTL
70-20-0500			<i>4-1/2" compound gauge - dual face 0-600</i>	2	MTL
70-20-1500			<i>2-1/2" pressure gauge - dual face 0-600</i>	9	MTL
70-20-3200			<i>FRC Pump Boss Governor Control</i>	1	MTL
70-20-3500			<i>Electric water level gauge on pump panel, Class One</i>	1	MTL
70-20-3501	U	<	<i>Tank Level Indicator lights - Whelen TIR3 Super LED</i> <i>SOPT 715</i> <i>Colors are Green, Blue, Amber and Red with Green towards</i> <i>front on the side mounted lights (Green indicatiing full and</i> <i>flashing Red indicating empty).</i> <i>On the the rear mounted lights, the Green light will be in the</i> <i>right most position.</i>	3	
70-20-6500			<i>Test gauge panel</i>	1	MTL
70-20-7500			<i>Heat exchanger control valve</i>	1	MTL
			ACCESSORIES	1	MTL
80-11-5000			<i>6" x 10' lightweight suction hose (ea)</i>	1	MTL
80-12-2500			<i>6" barrel strainer</i>	1	MTL
80-12-2700			<i>6" floating strainer</i>	1	MTL
80-12-4500		>	<i>6" low level strainer with 1-1/2" venturi connection</i>	1	MTL
80-13-0500			<i>Rubber mallet</i>	1	MTL
80-13-2500			<i>Pike pole, fibreglass handle - 10' long</i>	2	MTL
80-13-4000	S		<i>Axe, pick head, fibreglass handle and bracket</i>	1	MTL
80-13-4500	S		<i>Axe, flat head, fibreglass handle and bracket</i>	1	MTL
80-14-0500			<i>24' 2 section extension ladder PEL 24</i>	1	MTL
80-14-5500			<i>14' aluminum roof ladder PRL-14</i>	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
80-14-8500			10' aluminum folding attic ladder FL-10	1	MTL
80-14-9000			Attic ladder bracket (Zico)	1	MTL
80-15-1010			3000 l gallon portable tank - Husky	1	MTL
80-19-0500			Large folding wheel chock - aluminum (ea) not mounted	2	MTL
80-19-0600	S	>	Horizontal bracket for folding wheel chock (ea)	2	MTL
80-99-05AA	U	<	6" Suction hose - 15' long	2	
			SOPT 149		
			Mounted in rear access tubes.		
80-99-10AA	U	<	90-degree suction elbow	1	
			SOPT 584		
			Not mounted - shipped loose.		
80-99-25AA	U	<	Akron 3431 Monitor Apollo Hi-Riser	1	
			SOPT 730		
			Ground base to be a 4" Storz inlet		
			Install monitor on piping over pump house.		
			Ground base will shipped loose.		
80-99-35AA	U	<	1.75" hose x 50' lengths	12	
			SOPT 695		
			4 x Red		
			4 x Blue		
			4 x Yellow		
			Shipped loose.		
80-99-40AA	U		Mount customer supplied bank chargers and TIC	1	