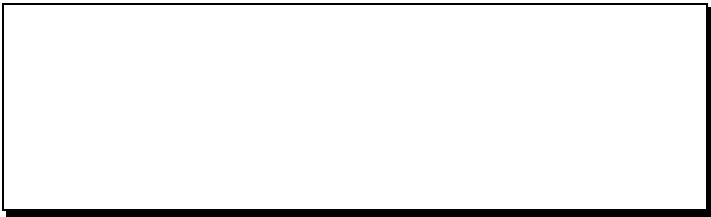




Wellesley, ON
 Andrew Lillico
 4639 Lobsinger Line
 RR#1
 St Clements, ON N0B 2M0
 alillico@wellesley.ca



Exp. Date: 03/26/2014
Quote No: EWEON-0013 **Job/Order No:** 17831
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

02/13/2017

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			== Metalfab Pumper - ULC 05/13 - 0.000 ==	1	MTL
			Change Order D	1	MTL
00-10-1500			Metalfab Pumper E	1	MTL
00-20-1000			Company Profile E	1	MTL
00-20-1500	S		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
10-11-0105	S		Vehicle Data Recorder w/chassis E	1	MTL
10-11-1101			ULC S515-04 and NFPA 1901-2009 Compliance E	1	MTL
10-11-1500		>	ULC Testing - Pumper	1	MTL
10-11-2100	S		Maximum length 35' (420")	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	S	<	Manuals - two copies	1	MTL
			2 copies		
			1 electronic		
			1 full set as built drawings		
			Two copies of chassis manuals (Chassis operation - digital, Engine and transmission operation and service manuals - hard copies)		
10-11-3600	S	>	Delivery - FOB Fire Department E	1	MTL
10-11-4300	S	<	Payment Terms - Chassis and Body NET 30	1	MTL
			\$200.00 per business day late - after December 31, 2014		
10-20-1400	S	>	Hose capacity exceeding ULC/NFPA requirements - SPECIFY E	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 - Spartan Metro Star X	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1700	S		Chassis Motor Vehicle Inspection required - ON	1	MTL
20-21-0500			Fluid capacity plate	1	MTL
20-21-0600			Pumping test plate	1	MTL
20-21-1040	S		Maximum riders sign - 6 persons with chassis	1	MTL
20-21-1510	S		Seat belt warning labels - 4 door chassis - with chassis	1	MTL
20-21-1520	S		Helmet warning label - do not wear helmet - with chassis	1	MTL
20-21-1530	S		Tire Pressure Indicators - Single 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	1	MTL
20-21-3500			Rear step warning label	1	MTL
20-21-3800			Front mudflaps	1	MTL
20-21-4001	S		Rear mudflaps - plain black	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			Chassis cab not painted	1	MTL
20-31-7000	S		SS nut covers, hub caps and high hats - single axle	1	MTL
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
20-41-1900			Battery boost terminals with chassis	1	MTL
20-41-2000			Chassis batteries remain in OEM location	1	MTL
20-41-2550			Fuel fill at LS rear fender well	1	MTL
20-41-2600			Chassis fuel tank remains in OEM location	1	MTL
20-41-5000			Rear Tow Hooks - under body	1	MTL
20-51-0700			Master Battery Disconnect included with chassis	1	MTL
20-51-2700	S		Back up alarm - self adjusting	1	MTL
20-51-3400			Protection valve installed for air operated accessories	1	MTL
20-51-4000	S		Auto eject for air inlet - LS	1	MTL
20-51-6200	S	>	120 volt 20 A shore line connection in chassis cab	1	MTL
20-51-6500	S		Kussmaul Autocharge 1200 battery conditioner	1	MTL
20-51-7102			Electric System Manager included with chassis	1	MTL
20-51-7500	S		Super Auto eject for 120 v - 20 A with sealed enclosure w/chassis	1	MTL
20-51-8500	S		Engine compartment lights w/chassis	1	MTL
20-51-9110	S		Air horns in bumper w/chassis, chassis OEM switch controlled	1	MTL
20-52-3500		>	Chassis steering wheel lined up by Metalfab	1	MTL
20-60-0400			Chassis wheelbase does not change	1	MTL
20-99-1000	U		Install customer stainless trim on chassis	1	MTL
30-11-8600	S		Hale QMAX 1250 IGPM single stage pump	1	MTL
30-12-3500			Mechanical seal for Hale QMID/QMAX/QTWO pumps	1	MTL
30-15-0102	S		Plumbing - Hale manifold pump TM SS	1	MTL
30-20-1000			Valves and controls - top mount panel	1	MTL
30-20-1003	S		Elkhart valves specified	1	MTL
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 - CSA	1	MTL
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2500			Anodes in suction and discharge piping	1	MTL
30-21-5590			Tank to Pump TM SS 3" w/ check valve manifold pump	1	MTL
30-22-1530			Tank Fill valve 2-1/2" TM SS	1	MTL
30-31-4010	S		Suction - 6" each side manifold pump	1	MTL
30-31-6025	S	>	Suction - 6" Stainless piping to rear - 6" connection	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-31-7100	S	>	Hale master intake suction valve - handwheel control	2	MTL
30-31-7200		>	Hale master intake suction valve - electric control	1	MTL
30-32-7530	S		Suction - 2-1/2" left side SS, bleeder, Hale manifold pump	1	MTL
30-40-2030	S	<	4" right discharge TM SS, plumbed 3", Hale manifold pump Equipped with Slo Cloz Standard 4" Storz adapter with 4" Storz cap with cable stay, bleeder Locate 4" discharge towards rear of vehicle, 2-1/2" towards front of vehicle each side	1	MTL
30-40-2530	S	<	4" left discharge TM SS, plumbed 3", Hale manifold pump Equipped with Slo Cloz 4" Storz/2-1/2" Kochek 2 in 1 adapter with 4" Storz cap with cable stay, bleeder RED in color Locate 4" discharge towards rear of vehicle, 2-1/2" towards front of vehicle each side	1	MTL
30-41-2030	S		2-1/2" RS discharge TM SS, bleeder, Hale manifold pump	1	MTL
30-41-2030	U		Price Adjustment	1	
30-41-2530	S		2-1/2" LS discharge TM SS, bleeder, Hale manifold pump	1	MTL
30-41-2530	U		Price Adjustment	1	
30-43-1530	S		2-1/2" rear discharge TM SS, plumbed 2-1/2", bleeder	1	MTL
30-44-0730	S		1-1/2" speedlay (each) front of pumphouse TM SS, plumbed 2"	2	MTL
30-44-1030		>	1-1/2" front trash line TM SS, plumbed 2", hosewell	1	MTL
30-44-3530			2-1/2" crosslay TM SS, plumbed 2-1/2", bleeder	1	MTL
30-51-0500	S		Pump shift-Midship air	1	MTL
30-51-0700			Pump Gearbox mounted manual over ride for pump shift E	1	MTL
30-51-6640			Class One "TPG Plus" Governor/Throttle	1	MTL
30-51-7000	S		Suction side relief V/V, manifold pump	2	MTL
30-51-7700	S		Primer - Trident air primer - AUTOMATIC 4 ports	1	MTL
30-51-7800	S		Pre Primer for gated suction - Trident air primer	1	MTL
30-51-8100			Heat exchanger included with chassis	1	MTL
30-51-9100			Thermal Relief Valve with warning light	1	MTL
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-2000			Drain valve for foam system header	1	MTL
30-52-4310	S		Foam System - Hypro FoamPro 2002 Dual Tank	1	MTL
30-52-6500			FoamPro dual tank selector valve (manual)	1	MTL
30-52-9100			Foam concentrate label at foam tank fill	2	MTL
30-52-9200			Foam System Instruction Plates	1	MTL
30-52-9400			NFPA Foam System certification test	1	MTL
30-99-05AA	U		Trident Primer - four locations 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
40-11-4500			Tank capacity 800 Imperial Gallons	1	MTL
40-12-4500			Foam cell - 20 Imperial gallon	2	MTL
40-21-0500			3" tank to pump connection	1	MTL
40-22-1000			3" tank fill connection	1	MTL
40-23-1000			1" foam level gauge connection	2	MTL
40-30-0500			Sump drain valve (3" gate valve) with linkage E	1	MTL
40-30-1000	S		Water Fill Box front left corner	1	MTL
40-31-0400			Rear dump valve not requested	1	MTL
40-31-6050			Rear fill not requested	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

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
50-11-0800			Low Voltage Electrical System Documents	1	MTL
50-11-0900	S		Rocker switch panel with master warning switch	1	MTL
50-11-1400	S		Whelen 295HFS2 siren provided with chassis	1	MTL
50-11-1620	S		Siren speaker,100 watt, in front bumper - with chassis	1	MTL
50-11-2500			Siren to be accessible to driver only	1	MTL
50-11-6100	S		Whelan FN72QLED LED light bar NFPA	1	MTL
50-11-6600			Rear LED Traffic Advisor warning lights - surface mount	1	MTL
50-11-8001		>	Rear beacons not required	1	MTL
50-12-8521			Front flashers, intersection lights included with chassis, Whelen 600	1	MTL
50-12-8610	S		Rear LED flashers (pr)-Whelan red LED 600 with integral flasher	1	MTL
50-12-8620	S		Rear LED flashers (pr)-Whelan LED 900 with integral flasher	2	MTL
50-12-8810			Body side inter lts (pr)-Whelan red LED 600 with integral flasher	1	MTL
50-12-8820			Body side inter lts (pr)-Whelan red LED 900 with integral flasher	2	MTL
50-12-90AA	U		Whelen model 500 Super LED warning lights (pr)	1	
50-21-5110			Compartment lighting - LED tube lights in each compartment (flush doors) E	1	MTL
50-21-5500			Door Ajar warning light	1	MTL
50-21-8001	S		Step lights for body steps - 20" LED Luma Bar (H2O)	1	MTL
50-21-8100	S		Step lights for walkway - 20" LED Luma Bar (H2O)	1	MTL
50-21-8181	U		LED Luma Bar hose bed lights	1	
50-21-8600	S		LED clearance lts and reflectors	1	MTL
50-21-8800			LED intermediate turn signal/clearance/reflector length >30'	1	MTL
50-22-0750			Whelan 64 LED CAST 4V tail/brake-turn-backup-warning module (pr)	1	MTL
50-23-05AA	U		Whelen WION SMCR lights (pr)	1	
50-31-6560	S		Ground lighting (LED Lumabar H2O) - 4 door chassis	1	MTL
50-31-6580	S		Ground lighting (LED Lumabar) - top mount body	1	MTL
50-35-0500	S		Installation of customer supplied mobile radio	1	MTL
50-35-0565	S		Antenna base - custom chassis (thick roof)	1	MTL
50-99-05AA	U		Whelen 9SC0ENZR Series 900 LED Scene lights (pr)	3	
50-99-10AA	U		Wilburt NS2.3-640 Evol 4 x 160W Evolution Fixtures 24/12 VDC LED	1	
50-99-1500	U		Add 2 x Lumabar H2O ground lights under front bumper	1	
50-99-1500	U		GO Light (black) on chassis cab RS	1	
50-99-2000	U		Mount customer supplied MTRAC controller	1	
50-99-2500	U		Prewire 8 conductor wire for radio - cab to pump panel	1	
			BODY	1	MTL
60-10-1400	S		Single axle extruded aluminum body	1	MTL
60-10-4100			No "beavertail" rear step supports	1	MTL
60-10-4500	S		Aluminum tread plate fender surround - single axle	1	MTL
60-10-4770	S		Removable stainless steel fender trim - single axle	1	MTL
			E		
60-10-5400		>	Diamondback pumphouse steps	1	MTL
60-10-5440		>	Diamondback 14" rear step	1	MTL
60-10-6500	S		Bolt on extruded aluminum rub rail	1	MTL
60-11-0300		>	Front left side compartments full height	1	MTL
			E		
60-11-0700		>	Front right side compartments full height	1	MTL
			E		
60-11-1000		>	Rear left side compartments full height	1	MTL
			E		
60-11-1400		>	Rear right side compartments full height	1	MTL
60-11-2000		>	High side compartment (over 18") each	2	MTL
60-11-2500		>	Rear compartment at step level	1	MTL
60-11-4500	S	<	Flush mount aluminum door - single with "D" handle	2	MTL
			For the high side compartments over rear wheels - horizontally hinged.		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			Use magnetic switches for door ajar. ****Drip edge trim (eaves trough) not required Flip up doors will have standard gas struts.		
60-11-4500	S		Flush mount aluminum door - single with "D" handle	4	MTL
60-11-4510	S	<	Flush mount aluminum door - double with "D" handle	4	MTL
			For compartments ahead and behind the rear wheels. Use magnetic switches for door ajar. ****Drip edge trim (eaves trough) not required All non-latch doors to have a latches top and bottom and have a bar connecting the two latches. (Similar to St. John's, NL M10-14950). Cleveland type door checks (p/n 1560144) are required for these vertically hinged doors.		
60-11-5500			Rollup door - standard height	1	MTL
60-11-5640	S		Drip pan under rollup door roll (each)	1	MTL
60-31-4100			Extruded aluminum handrails	1	MTL
60-31-5600			Steps and grab handles at front of body next to pump panel	1	MTL
60-31-5800	S		Special step over rear compartment	1	MTL
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8000			BA bottle compt (ea)-fender well	3	MTL
60-31-8210	S	>	Sliding vertical tool board - gas strut	4	MTL
60-31-8400	S		Fixed vertical partition	3	MTL
60-31-8800	S	>	Sliding tray (ea) - 600 pound capacity	2	MTL
60-31-8800	S	>	Sliding tray (ea) - 600 pound capacity	2	MTL
60-31-9000	S	>	Tip down tray - 30 degree, 250 pound capacity	1	MTL
60-31-9600	S	>	Adjustable shelf (ea)	6	MTL
60-31-9600	S	>	Adjustable shelf (ea)	4	MTL
60-32-3550	S		Two hose bed dividers	1	MTL
60-32-7500	S		Hose bed - aluminum	1	MTL
60-33-0100			Paint exterior - Imron Elite and clearcoat E	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	S		Buffed finish compartment interior	1	MTL
60-33-2200			Lettering - 80 letters up to 3" tall - 3 colour	1	MTL
60-33-3300	S		Reflective stripe - special graphics E	1	MTL
60-33-3310	S		Reflective stripe - red and yellow chevron at rear	1	MTL
60-33-3600			Reflective stripe - inside entry doors	1	MTL
60-33-4600			Aluminum cover over crosslays - with end tarps (black)	1	MTL
60-33-5000			Aluminum cover over hose bed with end tarps - black E	1	MTL
60-40-9000	S	>	Tube mount for ladders/suction hoses with rear door	2	MTL
60-99-05AA	U		Cast Products LP0005-1-A License plate bracket	1	
60-99-10AA	U		Lighted CPI fold down steps	1	
60-99-1500	U		Rear access compartment above high side compartments both sides	2	
60-99-2500	U		Pull out drawer above each rear wheel	1	
60-99-3000	U		Additional SCBA storage tubes	1	
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-1500	S		Stainless steel instrument panels	1	MTL
70-11-2000	S		Top mount instrument panel	1	MTL
70-11-2500	S		Transverse walkway	1	MTL
70-11-2600			Tread plate overlay on back of chassis cab	1	MTL
70-11-3100			Mansaver bars not required E	1	MTL
70-11-3200	S		Colour coded tags	1	MTL
70-11-3501			Compartments in ends of walkway not required	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
70-11-4500	S		<i>Diamondback grip type panel hood step right side - Lumabar</i>	1	MTL
70-11-4600	S		<i>Diamondback grip type panel hood step left side - Lumabar</i>	1	MTL
70-11-5300	S		<i>Right side tread plate pump access door</i>	1	MTL
70-11-5400	S		<i>Left side tread plate pump access door</i>	1	MTL
70-11-5700			<i>Transverse tread plate 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
70-20-2500			<i>Primer control</i>	1	MTL
70-20-3100			<i>Class One Governor Control</i>	1	MTL
70-20-3501	S		<i>Class One ITL-40M Multicolor water level gauge</i>	1	MTL
70-20-3610			<i>Remote PSTANK water level indicators each side, rear with driver E</i>	1	MTL
70-20-6500			<i>Test gauge panel</i>	1	MTL
70-20-7500			<i>Heat exchanger control valve</i>	1	MTL
70-21-1500	S		<i>Electric Foam Level gauge ITLF-40R RED and ITLF-40Y YELLOW</i>	2	MTL
70-21-5500	S		<i>Panel readout for Battery Conditioner in chassis left side window</i>	1	MTL
71-21-4000	S		<i>Microphone compartment</i>	1	MTL
71-21-4500	S		<i>Speaker on pump panel with volume control</i>	1	MTL
			ACCESSORIES	1	MTL
80-13-2500			<i>Pike pole, fibreglass handle - 10' long</i>	2	MTL
80-14-2500			<i>35' 3 section extension ladder PEL3-35</i>	1	MTL
80-14-6000			<i>16' aluminum roof ladder PRL-16</i>	1	MTL
80-14-8500			<i>10' aluminum folding attic ladder FL-10</i>	1	MTL
80-19-0500			<i>Large folding wheel chock - aluminum (ea) not mounted</i>	2	MTL
80-19-0600		>	<i>Horizontal bracket for folding wheel chock (ea)</i>	2	MTL
80-99-05AA	U		<i>Talon Helmet Brackets</i>	6	
80-99-10AA	U		<i>Install customers TIC and flashlight bank charger</i>	1	