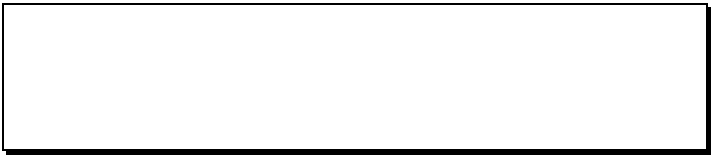




Village de Memramcook
 Caroline LeBlanc
 540 rue Centrale
 Memramcook, NB E4K 3S6



Exp. Date: 07/10/2015
Quote No: EMENB-0032 **Job/Order No:** 18586
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

02/10/2017

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			== Metalfab Pumper - ULC 05/13 - 0.000 ==	1	MTL
	S		Change Order C	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
00-20-1600			Waterous Pump Warranty - 5 years	1	MTL
00-20-1800			Ultra Tank Lifetime Warranty	1	MTL
00-20-2100	S		Plant Inspection Visits - 2 visits, 2 people	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			Vehicle Data Recorder not requested	1	MTL
10-11-1100	S		ELC S515-13 Compliance	1	MTL
10-11-1500		>	ULC Testing - Pumper	1	MTL
10-11-2100	S		Maximum length - 384"	1	MTL
10-11-2200	S		Maximum height - 120"	1	MTL
10-11-2400			Overall length is 30' or more	1	MTL
10-11-2500			General Construction	1	MTL
10-11-2600	S		Preconstruction Meeting	1	MTL
10-11-3000	S		Manuals - three copies	1	MTL
10-11-3600	S	>	Delivery - FOB Fire Department	1	MTL
10-11-4200	S		Payment Terms - Chassis and Body Net 30 Days	1	MTL
10-20-1000			Hose bed capacity - standard ULC Pumper	1	MTL
10-20-2000			Equipment carrying capacity - standard ULC Pumper	1	MTL
10-99-05AA	U		Three Sets of Approval Drawings Before Construction	1	MTL
			CHASSIS INFORMATION	1	MTL
20-11-1000	S		Chassis supplied by Metalfab - Freightliner M2 106	1	MTL
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1700			Chassis Motor Vehicle Inspection required - NB	1	MTL
			E		
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
20-21-1550			Tire Pressure Indicators not requested	1	MTL
20-21-1600			Apparatus Information Label	1	MTL
20-21-2000	S		Non removable key - included with Freightliner chassis	1	MTL
20-21-2500			Shifter lock not required E	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
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
20-31-0200			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			Chassis cab not painted	1	MTL
20-31-7500	S		Console in cab	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
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
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
20-51-3500			Air outlet	1	MTL
20-51-4000			Auto eject for air inlet - LS	1	MTL
20-51-6200	S	>	120 volt 20 A shore line connection	1	MTL
20-51-6600	S		Kussmaul Pump Plus conditioner/compressor	1	MTL
20-51-7100			Electric System Manager	1	MTL
20-51-7500	S		Super Auto eject for 120 v - 20 A with sealed enclosure	1	MTL
20-51-8500			Engine compartment lights (pair)	1	MTL
20-51-9000	S		Air horns under hood, foot switch controlled	1	MTL
20-52-3500	S	>	Chassis steering wheel lined up by Metalfab	1	MTL
			E		
20-52-4000	S		Rear View Camera system	1	MTL
20-60-0400			Chassis wheelbase does not change	1	MTL
			PUMP AND PLUMBING	1	MTL
30-12-4000			Mechanical seals for Waterous pumps	1	MTL
30-12-5500			Waterous CS single stage 1050 IGPM	1	MTL
30-15-0204			Plumbing - Waterous 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
30-20-1600			Piping stainless steel - general	1	MTL
30-20-1700	S		1-1/2" thread specifications - Red Head Storz	1	MTL
30-20-1800	S	<	2-1/2" thread specifications - Red Head Storz	1	MTL
			Change Order A - Customer requests that the 30 degree droop discharges be order with 2.962 x 8 thread so they don't have to use double adapters to use threaded discharges.		
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2500			Anodes in suction and discharge piping	1	MTL
30-21-8510			Tank to Pump 4" butterfly valve SS, handwheel control, check valve manifold pump	1	MTL
30-22-2020			Tank Fill valve 3" SS	1	MTL
30-31-4010	S		Suction - 6" each side manifold pump	1	MTL
30-31-5000	S		Suction - 4" SS piping to front - 6" connection	1	MTL
30-31-7210		>	Waterous master intake suction valve - electric control	3	MTL
30-32-7535			Suction - 2-1/2" left side SS, bleeder, Waterous manifold pump	1	MTL
30-32-7560	S		Suction - 2-1/2" rear SS, bleeder, non manifold pump	1	MTL
30-32-8035			Suction - 2-1/2" right side SS, bleeder, Waterous manifold pump	1	MTL
30-40-2025			4" right discharge SS, plumbed 3", Waterous manifold pump	1	MTL
30-41-2025			2-1/2" RS discharge SS, bleeder, Waterous manifold pump	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-41-2525			2-1/2" LS discharge SS, bleeder, Waterous manifold pump	2	MTL
30-43-1520			2-1/2" rear discharge SS, plumbed 2-1/2", bleeder	2	MTL
30-44-0720			1-1/2" speedlay (each) front of pumphouse SS, plumbed 2"	2	MTL
30-44-6520	S		Piping for monitor SS, plumbed 3", slo close, 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
30-51-6640			Class One "TPG Plus" Governor/Throttle	1	MTL
30-51-7000	S		Suction side relief V/V, manifold pump	3	MTL
30-51-7500			Primer electric vane type 12V with oil tank Waterous	1	MTL
30-51-7810			Pre Primer for gated suction Waterous primer	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
30-52-5610	S		Foam system-Hypro FoamPro 2001 Dual Tank	1	MTL
30-52-6500			FoamPro dual tank selector valve (manual)	1	MTL
30-52-9000			Foam Tank drain	2	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
			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
40-11-5000			Tank capacity 1000 Imperial Gallons	1	MTL
40-12-4500			Foam cell - 20 Imperial gallon	2	MTL
40-21-1000			4" tank to pump connection	1	MTL
40-22-1500			3" tank fill connection	1	MTL
40-23-0500			1" water level gauge connection	1	MTL
40-23-1000			1" foam level gauge connection	2	MTL
40-23-1060			10" Newton dump connection	1	MTL
40-30-0500			Sump drain valve (3" gate valve) with linkage E	1	MTL
40-30-1000			Water Fill Box front left corner	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
40-31-6050			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
50-11-0800			Low Voltage Electrical System Documents	1	MTL
50-11-0900			Rocker switch panel with master warning switch	1	MTL
50-11-1400			Federal PA300 100 watt siren	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 FN60QLED LED light bar NFPA	1	MTL
50-11-6501			Rear Directional Light not required	1	MTL
50-11-6600	S		Rear LED Traffic Advisor warning lights - surface mount	1	MTL
50-11-8600	S		Rear LED beacons-Whelen MCFLED2R (pr) both red	1	MTL
50-12-8000			Additional body side intersection light not required	1	MTL
50-12-8510	S		Front LED flashers (pr)-Whelen red LED 400 with integral flasher	1	MTL
50-12-8600	S		Rear LED flashers (pr)-Whelen red LED 400 with integral flasher	1	MTL
50-12-8700	S		Front side inter lts (pr) - Whelen red LED 400 with integral flasher	1	MTL
50-12-8800	S		Body side inter lts (pr)-Whelen red LED 400 with integral flasher	1	MTL
50-21-15AA	U		Rear Floods (pr) - Unity LED	1	

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
50-21-2540			FRC telescoping SPECTRA LED 12V flood (ea)	2	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		Step lights for chassis steps - LED	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
50-31-6550			Ground lighting (LED Lumabar) - 2 door chassis	1	MTL
50-31-6570			Ground lighting (LED Lumabar) - side mount body	1	MTL
50-35-0500	S		Provisions for customer radio	2	MTL
50-35-0560			VHF antenna with base - commercial chassis	1	MTL
50-35-0570			UHF antenna with base - commercial chassis	1	MTL
			BODY	1	MTL
60-10-1400			Single axle extruded aluminum body	1	MTL
60-10-4000			Tapered "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
60-11-0200		>	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	2	MTL
60-11-3200		>	Full Height Rear compartment	1	MTL
60-11-4000		>	Surface mount aluminum door	2	MTL
60-11-5510			Rollup door - intermediate height	4	MTL
60-11-5520			Rollup door - full height	1	MTL
60-11-5530	S	<	Rollup door - to enclose pump panel	1	MTL
			Change Order A - Roll up door to cover speedlays		
60-31-4100			Extruded aluminum handrails	1	MTL
60-31-5500			Steps at rear of body (folding)	1	MTL
60-31-5600	S		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
60-31-8700		>	Sliding tray (ea) - 400 pound capacity with gas strut	4	MTL
60-31-9600	S	>	Adjustable shelf (ea)	3	MTL
60-32-3560			Three 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
60-33-2200	S	<	Lettering - 80 letters up to 3" tall - 3 colour	1	MTL
			Change Order A - Lettering pictures are in Metalfabphotos. The truck number may be #5 but Customer will confirm later in the build.		
60-33-3000			Reflective stripe - 4" white	1	MTL
60-33-3310			Reflective stripe - red and yellow chevron at rear	1	MTL
60-33-4000	S		End tarps for speedlays - black	1	MTL
60-33-5000			Aluminum cover over hose bed with end tarps - black	1	MTL
			E		
60-40-5500			Suction hose tube (each) with door	2	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-40-8500		>	Tail light box Fire Extinguisher tubes (pr)	1	MTL
60-41-1000			Pike Pole tube with door	1	MTL
60-41-6001		>	Zico hydraulic portable tank rack	1	MTL
60-41-6010			ZICO PTS switched at rear above tail light	1	MTL
60-41-6100	S		Tread plate on exterior of Zico PTS	1	MTL
60-41-7100	S		Tread plate on body behind porta tank rack	1	MTL
60-41-9000		>	Zico electric Ladder Access system	1	MTL
60-41-9010			ZICO LAS switched at rear above tail light	1	MTL
			E		
60-41-9100			Manual locking system for LAS	1	MTL
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-0501			Side mount instrument panel with rollup door LS only	1	MTL
70-11-1500			Stainless steel instrument panels	1	MTL
70-11-3200	S		Colour coded tags - English	1	MTL
70-11-4500	S		Diamondback grip type panel hood step right side	1	MTL
70-11-5100	S	<	Open storage at rear top of pump house	1	MTL
			With drain(s)		
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	9	MTL
70-20-2500			Primer control	2	MTL
70-20-3100			Class One Governor Control	1	MTL
70-20-3500			Electric water level gauge on pump panel, Class One	1	MTL
70-20-3610			Remote PSTANK water level indicators each side, rear with driver	1	MTL
			E		
70-20-6500			Test gauge panel	1	MTL
70-20-7500			Heat exchanger control valve	1	MTL
70-21-1500			Electric Foam Level gauge	2	MTL
70-21-5500	S		Panel readout for Battery Conditioner	1	MTL
70-99-10AA	U		Low Voltage Alarm	1	
			ACCESSORIES	1	MTL
80-11-3000	S		4-1/2" x 10' lightweight suction hose (ea)	4	MTL
80-11-5000			6" x 10' lightweight suction hose (ea)	2	MTL
80-12-45AA	U		6" low level strainer with 1-1/2" venturi connection	1	
80-13-0500			Rubber mallet	1	MTL
80-13-1200			Clare hose wrenches (double) with holder	3	MTL
80-13-1500			Bar with bracket	1	MTL
80-13-2500			Pike pole, fibreglass handle - 10' long	1	MTL
80-13-2510			Pike pole, fibreglass handle - 6' long	1	MTL
80-13-4000			Axe, pick head, fibreglass handle and bracket	2	MTL
80-14-0500			24' 2 section extension ladder PEL 24	1	MTL
80-14-5500			14' aluminum roof ladder PRL-14	1	MTL
80-14-8500			10' aluminum folding attic ladder FL-10	1	MTL
80-14-9000			Attic ladder bracket (Zico)	1	MTL
80-15-0500	S	<	1500 l gallon portable tank - Husky	1	MTL
			Color of portable tank to be RED		
80-16-1500			Akron 2581 gated wye	1	MTL
80-17-0500	S		20# dry chemical fire extinguisher	2	MTL
80-19-0500	S		Large folding wheel chock - aluminum (ea)	2	MTL
80-19-0600		>	Horizontal bracket for folding wheel chock (ea)	2	MTL
80-99-10AA	U		Air chuck with 25' of 3/8" air hose	1	
80-99-15AA	U		Akron Aries Monitor 3425, stream shaper and stacked tips	1	