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Exp. Date:	04/25/2014			
Quote No:	JTANS-0013	Job/Order No:	18281	

00-10-15 BODY:

Metalfab Pumper - ULC 05/13

02/10/2017					Page 1
PART NO	S	STN CODE	DESCRIPTION	QTY	ID
	•		== Metalfab Pumper - ULC 05/13 - 0.000 ==	1	MTL
	S		CHANGE ORDER B	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			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			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 - 125"	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
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 106 Four door	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
20-21-1030			Maximum riders sign - 5 persons	1	MTL
20-21-1510			Seat belt warning labels - 4 door chassis	1	MTL
20-21-1540	S		Tire Pressure Indicators - Tandem Axle	1	MTL
20-21-1600			Apparatus Information Label	1	MTL
20-21-2000			Non removable key	1	MTL
			- /		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
20-21-2500			Shifter lock not required E	1	MTL
20-21-3500			Rear step warning label	1	MTL
20-21-3810			Front mudflaps provided with chassis	1	MTL
			Ε		
20-21-4000			– Rear mudflaps - Metalfab Logo	1	MTL
20-31-0200			Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
				-	
20-31-1100	-		Alum tread fuel tank covers, diamond grip steps, Conv - 4 dr	1	MTL
20-31-1500	S	>	Special compartments in chassis steps	1	MTL
20-31-1900			Chassis cab not painted E	1	MTL
20-31-7500	S		Console in cab	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
20-41-1300				1	
20-41-1900			Battery boost terminals with chassis E	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
20-41-5200			Rear trailer receiver and trailer wiring - Class III/IV, 7 pin	1	MTL
20-47-5200			connector	'	
00 44 5040					AATI
20-41-5210			Front receiver	1	MTL
20-41-5215			Side receiver, under body	2	MTL
20-51-0710			Master Battery Disconnect included with Freightliner chassis	1	MTL
20-51-2600			Back up alarm	1	MTL
20-51-3100			Air inlet not required	1	MTL
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
20-51-6600	U	-	Kussmaul Pump Plus conditioner/compressor	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 with chassis	1	MTL
20-52-3500		>	Chassis steering wheel lined up by Metalfab	1	MTL
			E		
20-52-4000	S		– Rear View Camera system	1	MTL
	U				
20-60-0400			Chassis wheelbase does not change	1	MIL
20-99-05AA	U		12-volt Power at each receiver	1	
20-99-10AA	U		Warn 10,000 lb portable winch	1	
			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			Every and controls - side mount panel	1	MTL
30-20-0500			Valve brand not specified E	1	MTL
30-20-1500	~		Piping galvanized 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 - Nova Scotia 3.234 x5	1	MTL
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2505			Anodes in suction and discharge piping not requested	1	MTL
30-21-8500			Tank to Pump 4" butterfly valve, handwheel control, check	1	MTL
			valve manifold pump		
20 22 0500					A471
30-22-0500	~		Tank Fill valve 2"	1	
30-31-4010	S		Suction - 6" each side manifold pump	1	MTL
30-31-6025	S	>	Suction - 6" through the tank to rear - handwheel control - 6"	1	MTL
			connection		
		>	Hale master intake suction valve - handwheel control	3	MTL
30-31-7100					
			Butterfly valve handwheel control remote indicator light closed		MTI
30-31-7100 30-31-7220			Butterfly valve handwheel control remote indicator light closed only	2	MTL

PART NO	S S	IN CODE DESCRIPTION	QTY	Page ID
30-32-7500		Suction - 2-1/2" left side, bleeder, Hale manifold pump	1	
30-32-8000		Suction - 2-1/2" right side, bleeder, Hale manifold pump	1	
30-40-3000	S <	5" Storz right discharge, plumbed 4", handwheel, Hale	1	MTL
00 40 0000		manifold pump		
		5" Storz 30 degree elbow and blind cap.		
		Standard hand wheel control with an indicator light to show		
		when the valve is in the closed position.		
		Ref 70-21-5000 Flow meter/pressure gauge		
		iter 70-21-3000 Flow meter/pressure gauge		
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 2-1/2" LS discharge, bleeder, Hale manifold pump	2	MTL
30-43-1500		2-1/2" rear discharge, plumbed 2-1/2", bleeder	2	MTL
30-44-0500	S	1-1/2" crosslay (each), 2" valve, bleeder	2	MTL
30-44-6500	3	Piping for monitor, plumbed 3", bleeder	1	MTL
30-51-0500		Pump shift-Midship air	1	MTL
30-51-0500 30-51-0700			1	MTL
30-51-0700		Pump Gearbox mounted manual over ride for pump shift	1	
20 64 6700		E EPC Bump Bass Coverner/Throttle engine display	-	A471
30-51-6700	<	FRC Pump Boss Governor/Throttle engine display	1	MTL
		Throttle hand wheel requested with analogue 4" Pump intake		
		/ Pump discharge gauges.		
20 64 7000		Question aide velief V/A/ manifold mumm	-	1471
30-51-7000		Suction side relief V/V, manifold pump		MTL
30-51-7700		Primer Hale oil less ESP with oil tank Hale	1	
30-51-7800		Pre Primer for gated suction Hale primer	3	
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
30-52-4210		Foam System - Hypro FoamPro 2002 Single Tank	1	MTL
30-52-9100		Foam concentrate label at foam tank fill	1	MTL
30-52-9200		Foam System Instruction Plates	1	MTL
30-52-9400		NFPA Foam System certification test	1	MTL
30-99-05AA	U	Direct tank fill on RS panel - Fireman's Friend	1	
		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
40-11-7000		Tank capacity 2000 Imperial Gallons	1	MTL
40-12-5000		Foam cell - 30 Imperial gallon	1	MTL
40-21-1000		4" tank to pump connection	1	
40-22-0500		2" tank fill connection	1	MTL
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
40-30-0500		Sump drain valve (3" gate valve) with linkage	1	MTL
		Ε		
40-30-1200	S	Water Fill Box special location - front LS corner	1	MTL
40-31-0400		Rear dump valve not requested E	1	MTL
40-99-05AA	U	Dump valve provision only	1	
		ÉLECTRICAL	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
50-11-2500		Siren to be accessible to driver only E	1	MTL
50-11-6100		Whelan FN60QLED LED light bar NFPA	1	MTL
50-11-6600	S <	Rear LED Traffic Advisor warning lights - surface mount	1	MTL
		Interlock directional bar with Master Emergency light switch		
		Interlock directional bar with park brake - enabled when park		
		brake is set, disabled when park brake is released.		
		NIARE 13 JEL, NIJANIEN WIIEII PAIR NIARE 13 IEIEAJEU.	1	1

PART NO	S STN CC	DDE DESCRIPTION	QTY	Pag ID
		Both interlocks interrupt power to the Traffic Advisor control		
		switches		
50-11-8001	>	Rear beacons not required E	1	MTL
50-12-8520		Front LED flashers (pr)-Whelan red LED 600 with integral flasher	1	MTL
50-12-8610	S	Rear LED flashers (pr)-Whelan red LED 600 with integral	1	MTL
	_	flasher		
50-12-8620	S	Rear LED flashers (pr)-Whelan red LED 900 with integral flasher	1	MTL
50-12-8710		Front side inter Its (pr) - Whelan red LED 600 with integral	1	MTL
50-12-8810		flasher Body side inter Its (pr)-Whelan red LED 600 with integral	1	MTL
00 12 0010		flasher		
50-12-8820		Body side inter Its (pr)-Whelan red LED 900 with integral flasher	1	MTL
50-12-8905	>	Add'l body side inter Its (pr)-Whelan red LED 600 with integral	1	MTL
	-	flasher		
50-21-1520	U	Unity Rear Flood LED	1	
50-21-1600	<	Parking (ditch) lights in rear fenders	1	MTL
		Switched in cab and Interlocked with reverse gear of transmission		
50-21-2540		FRC telescoping SPECTRA LED 12V flood (ea)	2	
50-21-3000	S < >	Remote control electric spot/flood (ea) Go-Light	1	MTL
		Model 2020, White in colour - Metalfab p/n 1001911		
		Mounted on right side of cab hood, control to be mounted on		
		the console.		
50-21-5100	>	Compartment lighting - LED tube lights in each compartment	1	MTL
		(rollup doors)		
50-21-5500	S	Door Ajar warning light	1	MTL
50-21-8001		Step lights for body steps - 4" LED	1	MTL
50-21-8201		Step lights for chassis steps - LED marker type	1	MTL
50-21-8600		LED clearance Its 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	1	MTL
		module (pr)		
50-31-6006	< >	Scene lights (pr) - Federal QL97 LED	3	MTL
		Interlock rear lights with reverse of transmission		
50-31-6011		Scene light boxes not required	3	MTL
50-31-6560		Bround lighting (LED Lumabar) - 4 door chassis	1	MTL
50-31-6570		Ground lighting (LED Lumabar) - side mount body	1	MTL
50-35-0500	S	Installation of customer supplied mobile radio	2	MTL
50-35-0560	S	VHF antenna with base - commercial chassis	2	MTL
50-99-0010	U	LED lights in chassis doors, switch on pump panel	1	
50-99-05AA	U	3000 Watt Power Outlet and Inverter	1	N ATT I
60 40 4600		BODY Tandam axla axtrudad aluminum body	1	MTL
60-10-1600	<	<i>Tandem axle extruded aluminum body</i> No fender tops like Oakhill M13-17201	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	1	MTL
60-10-5440	>	Diamondback 14" rear step	1	MTL
50-10-6000		Extruded rub rail	1	MTL
60-11-0300	>	Front left side compartments full height	1	MTL
		E	ĺ	

PART NO	S	STN CODE		QTY	Page ID
60-11-0600		>	Front right side compartments intermediate height	1	MTL
60-11-1000		>	Rear left side compartments full height	1	MTL
			E		
60-11-1300		>	Rear right side compartments intermediate height	1	
60-11-1900	•	< >	Low side compartment (up to 18") each	2	MTL
			Right side of body with flip down doors		
				-	
60-11-2000	•	< >	High side compartment (over 18") each	2	MTL
			Left side of the body with rollup doors		
00.44.0000			Full Usight Deer comporter out	4	N AT I
60-11-3200		>	Full Height Rear compartment	1	MTL
60-11-4500 60-11-5500			Flush mount aluminum door - single with "D" handle	2 2	MTL MTL
60-11-5510			Rollup door - standard height Rollup door - intermediate height	2	MTL
60-11-5520			Rollup door - full height	2	MTL
60-31-4100			Extruded aluminum handrails	1	MTL
60-31-5500			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
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8400	S -	-	Fixed vertical partition	3	MTL
00-37-0400	5	•	Change Order B - January 05.2016	5	
			The vertical partitions on the tray in the front left side		
			compartment will be 16" wide with divider in middle. The		
			front will be lower and back taller. Blaine in Engineering		
			has the dimensions.		
60-31-8700		>	Sliding tray (ea) - 400 pound capacity with gas strut	3	MTL
60-31-9000		>	Tip down tray - 30 degree, 250 pound capacity	1	MTL
60-31-9600	S	>	Adjustable shelf (ea)	6	MTL
60-32-3570	-		Four 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
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
60-40-9000	•	< >	Tube mount for ladders, with rear door	1	MTL
			For the 24' extension, 14' roof and 10' attic ladder listed in		
			accessories		
			Include space for two (2) traffic signs to be stored in the tube.		
			Customer to specify space requirements for the traffic signs;		
			Width"		
			Height"		
			Depth"		
60-41-1015			Pike Pole tube in suction hose tube	2	MTL
60-41-1015 60-41-1500	ç		Attic ladder tube	2	MTL
60-41-1500 60-99-0010	S U ·	-	Mount customer rescue tools in front LS compartment upper	1	WIL
00-33-0010	0	•	Change Order B - January 05.2016	1	
			The Department want the jaws hose installed on the side		
			wall of the front left side compartment on an "L" hook. The		
			"L" hook is approximately 4" in depth. See photos at		
			Metalfabphotos/Tatamagouche/Tools/20140915_20213 and		
			Metalfabphotos/Tatamagouche/Tools/20140915_20215 and Metalfabphotos/Tatamagouche/Tools/Tatamagouche, NS - L		
			Hook.		

PART NO	S	STN CODE	DESCRIPTION	QTY	Page ID
60-99-0015	U		Mount customer saws in front RS compartment	1	
60-99-05AA	U		Wheel Chock compartment	1	
60-99-10AA	Ū 4	<	Swing out tool board	1	
	-		Located in second left side high side compartment over rear	-	
			wheels. It shall be located closer to the roll up door so deeper		
			items can be installed behind and it shall have a peg board		
			design.		
			doolgii.		
			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	S		Colour coded tags	1	MTL
70-11-4100	U		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
70-11-5500			Right side tread plate pump access door	1	MTL
				1	
70-11-7500			Heat pan-aluminum		MTL
70-11-8000			Heater in pump compartment Primer control	1	MTL
70-20-2500				4	MTL
<b>70-20-3200</b>			FRC Pump Boss 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	1	MTL
			driver E		
70-20-6500			Test gauge panel	1	MTL
70-20-7500			Heat exchanger control valve	1	MTL
70-21-1600			Electric Foam Level gauge not required	1	MTL
70-21-5500			Panel readout for Battery Conditioner	1	MTL
70-99-0010	U		4-1/2" compound gauge - PSI only -10-0-400 PSI	2	
70-99-0020	U		2-1/2" pressure gauge - PSI only 0-400 PSI	9	
70-99-05AA	U		Doors for pump house top storage	1	
71-21-4000			Microphone compartment	1	MTL
71-21-4500	S -	<	Speaker on pump panel	1	MTL
			Speaker to have volume control		
71-21-5000	S		Flowmeter in place of pressure gauge (ea)	1	MTL
71-99-05AA	U		Microphone on pump panel	1	
			ACCESSORIES	1	MTL
80-12-4500		>	6" low level strainer with 1-1/2" venturi connection	1	MTL
80-13-0500			Rubber mallet	1	MTL
80-13-1100	S		Hose wrenches (triple) with holder	3	MTL
80-13-1200	S		Clare hose wrenches (double) with holder	2	MTL
80-13-2500			Pike pole, fibreglass handle - 10' long	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
80-18-0600			SCBA brkt w/strap - ZICO ULLH - crew cab mount	4	MTL
80-18-0840	S		Pistol grip nozzle holder - ZICO NBM-2	2	MTL
80-19-0500	-		Large folding wheel chock - aluminum (ea) not mounted	2	MTL
80-99-10AA	U		6" x 15' Suction hoses	2	
80-99-15AA	Ŭ		Streamlight Survivor LED (5) with 120 VAC bank charger	1	
80-99-25AA	Ū.	e	Elkhart RF Stinger and "The Extender" - "Package 3"	1	
			***There will be an Elkhart Stinger RF deck gun / portable		
			monitor included with the unit. It will have a panel mounted		
			control and a 12-volt wireless remote control that can be		
			used when the monitor is installed on the truck or deployed		
			on the ground.		
			***There will be a powered 18" riser installed on the		
			plumbing with a control on the pump panel and in-cab		
			warning light showing when the unit is deployed. Included with Package #3 of the RF Stinger		

2/10/2017 PART NO	S STN COD	<b>DESCRIPTION</b> ***The monitor and extender will store inside the pump house storage compartment (part # 70-11-5100) so that it will be under the overall height of the truck.	QTY	Page ID
80-99-30AA	U	6" female to 5" storz w/end cap	2	