



Shop Order-00-10-15: Unclassified

Bonny River Second Falls, NB  
 Room 205, Marysville Place  
 20 McGloin Street  
 Fredericton, NB E3A 5T8



**Exp. Date:** 10/31/2014  
**Quote No:** EBONB-0018      **Job/Order No:** 18225  
**BODY:** 00-10-15      Metalfab Pumper - ULC 05/13

02/13/2017

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PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			<b>== Metalfab Pumper - ULC 05/13 - 0.000 ==</b>	<b>1</b>	<b>MTL</b>
			<b>CHANGE ORDER G</b>	<b>1</b>	<b>MTL</b>
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
<b>00-20-2100</b>	<b>S</b>		<b>Plant Inspection Visits</b>	<b>1</b>	<b>MTL</b>
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
<b>10-11-1100</b>	<b>S</b>		<b>ELC S515-13 Compliance</b>	<b>1</b>	<b>MTL</b>
<b>10-11-1500</b>		<b>&gt;</b>	<b>ULC Testing - Pumper</b>	<b>1</b>	<b>MTL</b>
<b>10-11-2100</b>	<b>S</b>		<b>Maximum length - 420"</b>	<b>1</b>	<b>MTL</b>
<b>10-11-2200</b>	<b>S</b>		<b>Maximum height - 144"</b>	<b>1</b>	<b>MTL</b>
10-11-2300			Overall length is less than 30'	1	MTL
10-11-2500			General Construction	1	MTL
<b>10-11-3000</b>	<b>S</b>		<b>Manuals - three copies</b>	<b>1</b>	<b>MTL</b>
<b>10-11-3600</b>	<b>S</b>	<b>&gt;</b>	<b>Delivery - FOB Fire Department</b>	<b>1</b>	<b>MTL</b>
<b>10-11-4300</b>	<b>S</b>		<b>Payment Terms - Chassis and Body NET 30</b>	<b>1</b>	<b>MTL</b>
10-20-1000			Hose bed capacity - standard ULC Pumper	1	MTL
10-20-2000			Equipment carrying capacity - standard ULC Pumper	1	MTL
<b>10-99-05AA</b>	<b>U</b>		<b>Three Sets of Approval Drawings Before Construction</b>	<b>1</b>	
			CHASSIS INFORMATION	1	MTL
<b>20-11-1000</b>	<b>S</b>		<b>Chassis supplied by Metalfab - International 4400</b>	<b>1</b>	<b>MTL</b>
20-11-1500			2013 Emission chassis modifications	1	MTL
<b>20-11-1700</b>			<b>Chassis Motor Vehicle Inspection required - NB</b>	<b>1</b>	<b>MTL</b>
			<b>E</b>		
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			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
20-21-3800			Front mudflaps	1	MTL
20-21-4000			Rear mudflaps - Metalfab Logo	1	MTL
20-31-0200			Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
<b>20-31-0500</b>			<b>Alum tread fuel tank trim, Conv - 2 door</b>	<b>1</b>	<b>MTL</b>
20-31-1900			Chassis cab not painted E	1	MTL
<b>20-31-4700</b>	<b>S</b>	<b>&gt;</b>	<b>Extend front bumper, gravshld with preconnected hosewell</b> <b>E</b>	<b>1</b>	<b>MTL</b>
<b>20-31-7500</b>	<b>S</b>		<b>Console in cab</b>	<b>1</b>	<b>MTL</b>
<b>20-41-0500</b>			<b>Intake air shutoff for engine</b> E	<b>1</b>	<b>MTL</b>
<b>20-41-0900</b>			<b>Auxiliary braking system disabled when pumping</b>	<b>1</b>	<b>MTL</b>
20-41-1100			Transmission programming - Allison WT	1	MTL
20-41-1500			Extend exhaust pipe - RS front of rear wheels E	1	MTL
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
<b>20-41-5500</b>			<b>ON SPOT Automatic traction chains</b>	<b>1</b>	<b>MTL</b>
<b>20-51-0700</b>			<b>Master Battery Disconnect included with chassis</b>	<b>1</b>	<b>MTL</b>
<b>20-51-2500</b>			<b>Back up alarm included with chassis</b>	<b>1</b>	<b>MTL</b>
20-51-3400			Protection valve installed for air operated accessories	1	MTL
<b>20-51-3500</b>			<b>Air outlet</b>	<b>1</b>	<b>MTL</b>
<b>20-51-4000</b>			<b>Auto eject for air inlet - LS</b>	<b>1</b>	<b>MTL</b>
<b>20-51-5600</b>	<b>S</b>		<b>Flashing headlights w/ daytime running lights - with chassis</b>	<b>1</b>	<b>MTL</b>
<b>20-51-6500</b>			<b>Kussmaul Autocharge 1000 battery conditioner w/battery saver</b>	<b>1</b>	<b>MTL</b>
<b>20-51-7102</b>	<b>S</b>		<b>Electric System Management included with chassis - Diamond Logic</b>	<b>1</b>	<b>MTL</b>
<b>20-51-7500</b>			<b>Super Auto eject for 120 v - 20 A with sealed enclosure</b>	<b>1</b>	<b>MTL</b>
20-51-8500			Engine compartment lights (pair)	1	MTL
<b>20-51-9110</b>			<b>Air horns on hood, chassis OEM switch controlled</b> <b>E</b>	<b>1</b>	<b>MTL</b>
<b>20-52-3500</b>		<b>&gt;</b>	<b>Chassis steering wheel lined up by Metalfab</b> <b>E</b>	<b>1</b>	<b>MTL</b>
<b>20-52-4000</b>	<b>S</b>		<b>Rear View Camera system</b>	<b>1</b>	<b>MTL</b>
20-60-0400			Chassis wheelbase does not change 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
30-15-0103			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 E	1	MTL
<b>30-20-1600</b>			<b>Piping stainless steel - general</b>	<b>1</b>	<b>MTL</b>
<b>30-20-1700</b>	<b>S</b>		<b>1-1/2" thread specifications - Red Head Storz</b>	<b>1</b>	<b>MTL</b>
<b>30-20-1800</b>	<b>S</b>		<b>2-1/2" thread specifications - Red Head Storz</b>	<b>1</b>	<b>MTL</b>
30-20-2000			Piping hydrostatic test	1	MTL
<b>30-20-2500</b>			<b>Anodes in suction and discharge piping</b>	<b>1</b>	<b>MTL</b>
<b>30-21-8510</b>			<b>Tank to Pump 4" butterfly valve SS, handwheel control, check valve manifold pump</b>	<b>1</b>	<b>MTL</b>
<b>30-22-2020</b>			<b>Tank Fill valve 3" SS</b>	<b>1</b>	<b>MTL</b>
<b>30-31-4010</b>	<b>S</b>		<b>Suction - 6" each side manifold pump</b>	<b>1</b>	<b>MTL</b>
<b>30-31-5000</b>	<b>S</b>		<b>Suction - 4" SS piping to front - 6" connection</b>	<b>1</b>	<b>MTL</b>
<b>30-31-5100</b>	<b>S</b>		<b>Suction - 5" SS piping to rear - 6" connection</b>	<b>1</b>	<b>MTL</b>
<b>30-31-7200</b>		<b>&gt;</b>	<b>Hale master intake suction valve - electric control</b>	<b>3</b>	<b>MTL</b>
<b>30-31-7200</b>	<b>S</b>	<b>&gt;</b>	<b>Hale master intake suction valve - electric control</b>	<b>1</b>	<b>MTL</b>
<b>30-32-7530</b>			<b>Suction - 2-1/2" left side SS, bleeder, Hale manifold pump</b>	<b>1</b>	<b>MTL</b>
<b>30-32-8030</b>			<b>Suction - 2-1/2" right side SS, bleeder, Hale manifold pump</b>	<b>1</b>	<b>MTL</b>
<b>30-40-2020</b>			<b>4" right discharge SS, plumbed 3", Hale manifold pump</b>	<b>1</b>	<b>MTL</b>
<b>30-41-2020</b>			<b>2-1/2" RS discharge SS, bleeder, Hale manifold pump</b>	<b>1</b>	<b>MTL</b>

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
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	2	MTL
30-44-0520	S		1-1/2" crosslay (each) SS, 2" valve, bleeder	2	MTL
30-44-1000	S	>	1-1/2" front trash line SS, plumbed 2", hosewell	1	MTL
30-44-6520			Piping for monitor SS, 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	1	MTL
			E		
30-51-6640			Class One "TPG Plus" Governor/Throttle	1	MTL
30-51-7000	S		Suction side relief V/V, manifold pump	3	MTL
30-51-7700			Primer Hale oil less ESP with oil tank Hale	1	MTL
30-51-7800			Pre Primer for gated suction Hale 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
30-52-5510	S		Foam system-Hypro FoamPro 2001 Single Tank	1	MTL
30-52-8100			Electric foam fill pump with panel pickup	1	MTL
30-52-9000			Foam Tank drain	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
			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	1	MTL
40-13-0100		>	Through the tank tunnel - up to 1200 gallon tank	1	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	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
			E		
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
40-31-9000	S		4" Storz rear fill, Fireman's Friend	1	MTL
			ELECTRICAL	1	MTL
50-11-0450			Base electrical system - International Diamond Logic multiplex	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	S		Whelen Siren 200 Watt, Self-Contained, Removable Microphone	1	MTL
50-11-1625			Siren speaker, 100 watt, behind chassis grille	1	MTL
50-11-2600			Siren to be accessible to driver and officer	1	MTL
50-11-5809		>	Federal JetSOLARIS 5450 LED light bar red/white	1	MTL
50-11-6501			Rear Directional Light not required	1	MTL
			E		
50-11-9010			Rear beacons-Federal Micro Escape LED (pr) - both red	1	MTL
50-12-5020			Front LED flashers (pr)-red Federal QL64XF-R	1	MTL
50-12-5110			Rear LED flashers (pr)-red Federal QL64XF-R	1	MTL
50-12-5210			Front side inter lts (pr)-red LED Federal QL64XF-R	1	MTL
50-12-5310			Body side inter lts (pr)-red LED Federal QL64XF-R	1	MTL
50-21-1520	U		Rear floods (pr) - Unity LED or equivalent	1	MTL
50-21-2540			FRC telescoping SPECTRA LED 12V flood (ea)	2	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
50-21-3010	S	>	Remote control electric spot (ea) Visibeam - wireless control	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	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 lts and reflectors	1	MTL
50-22-0700			Whelan 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		Installation of customer supplied mobile 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
50-99-05AA	U		Cell Phone Booster	1	
			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
60-11-0300		>	Front left side compartments full height	1	MTL
			E		
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	MTL
60-11-1900		>	Low side compartment (up to 18") each	1	MTL
60-11-2000		>	High side compartment (over 18") each	1	MTL
60-11-3200	S	>	Full Height Rear compartment	1	MTL
60-11-5500			Rollup door - standard height	2	MTL
60-11-5510			Rollup door - intermediate height	2	MTL
60-11-5520			Rollup door - full height	2	MTL
60-11-5520	S		Rollup door - full height	1	MTL
60-11-5530	S		Rollup door - to enclose pump panel	1	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
60-31-5800			Special step over rear dump	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		>	Adjustable shelf (ea)	5	MTL
60-31-9600	S	< >	Adjustable shelf (ea)	2	MTL
			Install one shelf in the shallow upper portion of the front left compartment and install one shelf in the shallow upper portion of the left rear compartment.		
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
60-33-0500			Paint chassis wheels job colour with silver trim	1	MTL
			E		
60-33-1000			Paint pump and plumbing job colour	1	MTL
60-33-1600	S		Special paint compartment interior - gray zolatone	1	MTL
			E		
60-33-2200	U		Price Adjustment	1	

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-33-3000			Reflective stripe - 4" white	1	MTL
60-33-3310			Reflective stripe - red and yellow chevron at rear	1	MTL
60-33-4500	S		Aluminum cover over crosslays - no end tarps	1	MTL
60-33-5000	S		Aluminum cover over hose bed with end tarps - black	1	MTL
			E		
60-40-5500			Suction hose tube (each) with door	2	MTL
60-40-8500		>	Tail light box Fire Extinguisher tubes (pr)	1	MTL
60-40-9001	S	>	Tube mount for portable tank, through tank	1	MTL
60-41-1000	S		Pike Pole tube with door	1	MTL
60-41-9001		>	Zico hydraulic 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
70-11-0500	S		Side mount instrument panel with rollup door LS only	1	MTL
70-11-1500			Stainless steel instrument panels	1	MTL
70-11-3200			Colour coded tags	1	MTL
70-11-4100	S		Stainless steel side panel hood left side	1	MTL
70-11-4500	S		Diamondback grip type panel hood step right side	1	MTL
70-11-5000			Standard cover over rear top of pump house - no storage	1	MTL
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
70-20-1500	S		2-1/2" pressure gauge - dual face 0-600	1	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	1	MTL
70-21-5500			Panel readout for Battery Conditioner	1	MTL
70-99-10AA	U		Low Voltage Alarm	1	MTL
			ACCESSORIES	1	MTL
80-11-5000			6" x 10' lightweight suction hose (ea)	2	MTL
80-12-2500	S		6" barrel strainer	1	MTL
80-12-45AA	U		6" low level strainer with 1-1/2" venturi connection	1	MTL
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
80-14-7500			Padded ladder boot - 2 section and roof ladder	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			1500 l gallon portable tank - Husky	1	MTL
80-16-1500			Akron 2581 gated wye	1	MTL
80-17-0500	S		20# dry chemical fire extinguisher	1	MTL
80-17-1000	S		15# CO2 fire extinguisher	1	MTL
80-17-1500			2 gallon water extinguisher with mount	1	MTL
80-18-0500			SCBA bracket with strap - compt mount	3	MTL
80-18-0600			SCBA brkt w/strap - ZICO ULLH - crew cab mount	1	MTL
80-18-0840			Pistol grip nozzle holder - ZICO NBM-2	2	MTL
80-19-0500			Large folding wheel chock - aluminum (ea) not mounted	2	MTL

