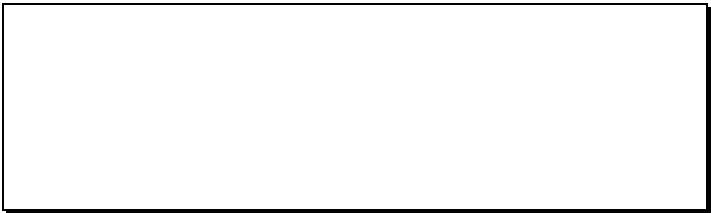# Shop Order-00-10-15: Unclassified

Inverness Fire Department
Chief Michael MacIsaac
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Inverness, NS BoE 1N0
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Exp. Date: 11/03/2013
Quote No: 10001-0007 **Job/Order No:** 17516

BODY: 00-10-15 Metalfab Pumper - ULC 05/13

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			ULC S515-04 Compliance		1	MTL
10-11-1500		>	ULC Testing - Pumper		1	MTL
10-11-2100	*S*		*Maximum length 30' (360")*	*E*	*1*	*MTL*
10-11-2200	*S*		*Maximum height 11' (132")*	*E*	*1*	*MTL*
10-11-2300			Overall length is less than 30'		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*	*E*	*1*	*MTL*
10-11-4000			Payment Terms - Chassis Net 10 days, Balance COD		1	MTL
10-20-1000			Hose bed capacity - standard ULC Pumper		1	MTL
10-20-2000			Equipment carrying capacity - standard ULC Pumper		1	MTL
			CHASSIS INFORMATION		1	MTL
20-11-0500		*>*	*Customer supplied Chassis*		*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
20-21-1000			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
20-21-3810			*Front mudflaps provided with chassis* *E*	*1*	*MTL*
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 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 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
20-41-5100			*Rear Tow Hook - pintle hook* *E*	*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*
20-51-3100			*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*	*1*	*MTL*
20-51-6600			*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
20-51-9100			*Air horns on hood, lanyard controlled*	*1*	*MTL*
20-52-3500		*>*	*Chassis steering wheel lined up by Metalfab* *E*	*1*	*MTL*
20-60-0400			Chassis wheelbase does not change	1	MTL
			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
30-20-1500			Piping galvanized steel - general	1	MTL
30-20-1700	*S*		*1-1/2" thread specifications - NPSH* *E*	*1*	*MTL*
30-20-1800	*S*		*2-1/2" thread specifications - 3.23 x 5 NSZ1* *E*	*1*	*MTL*
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2505			Anodes in suction and discharge piping not requested	1	MTL
30-21-5500			Tank to Pump 3" w/ check valve manifold pump	1	MTL
30-22-0500			Tank Fill valve 2"	1	MTL
30-31-4010			Suction - 6" not gated each side manifold pump	1	MTL
30-31-7100		*>*	*Hale master intake suction valve - handwheel control*	*1*	*MTL*
30-32-7500			Suction - 2-1/2" left side, bleeder, Hale manifold pump	1	MTL
30-40-2000			*4" right discharge, plumbed 3", Hale manifold pump*	*1*	*MTL*
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	MTL
30-42-8500			*1-1/2" rear discharge, plumbed 2"*	*2*	*MTL*
30-43-1500			*2-1/2" rear discharge, plumbed 2-1/2", 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
30-51-6630			*Class One "TPG" Governor/Throttle*	*1*	*MTL*
30-51-7000			*Suction side relief V/V, manifold pump*	*2*	*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

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-52-2000			*Drain valve for foam system header*	*1*	*MTL*
30-52-5510			*Foam system-Hypro FoamPro 2001 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*
			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*
40-21-0500			3" tank to pump connection	1	MTL
40-22-0500			2" 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*
40-23-1070			*3" direct fill 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
40-31-4500			*10" rear Newton dump, painted steel*	*1*	*MTL*
40-31-4700			*Newton dump, top mount manual operation*	*1*	*MTL*
40-31-5000			*Newton dump - 36" telechute painted steel*	*1*	*MTL*
40-31-5600		*>*	*Rotating dump chute for Newton dump painted steel*	*1*	*MTL*
40-31-5800			*Support for rotating dump chute if necessary*	*1*	*MTL*
40-31-6000			*2-1/2" rear gtd tank fill*	*1*	*MTL*
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*
50-11-1400			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*
50-11-5810		*>*	*Federal SOLARIS Jetsonic 5401 LED light bar all red*	*1*	*MTL*
50-11-6501			Rear Directional Light not required E	1	MTL
50-11-8900			*Rear beacons-Federal Sentry (pr) 1 red, 1 amber*	*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*
50-21-1500			Rear floods (pr)-Unity	1	MTL
50-21-1600			*Parking (ditch) lights in rear fenders*	*1*	*MTL*
50-21-4000			*Extenda Light telescoping 100 W/12 v flood/spot (ea)* *E-12V1-PS-SM2*	*2*	*MTL*
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
50-21-5550			*Equipment rack not stowed warning light*	*2*	*MTL*
50-21-8000			Step lights for body steps	1	MTL
50-21-8200			Step lights for chassis steps - halogen 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
50-31-6000		*>*	*Scene lights (pr) - GHSCENE halogen*	*2*	*MTL*
50-31-6010			*Scene light boxes (pr) - tread plate*	*2*	*MTL*
50-31-6500			Ground lighting (halogen) - 2 door chassis	1	MTL
50-31-6520			Ground lighting (halogen) - side mount body	1	MTL
50-35-0500	*S*		*Installation of customer supplied mobile radio*	*2*	*MTL*
50-35-0559			*Mobile radio antenna provided by customer* *E*	*2*	*MTL*

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			BODY	1	MTL
60-10-1400			Single axle extruded aluminum body	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
60-10-5430		>	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*	*2*	*MTL*
60-11-3100			*No rear compartment* *E*	*1*	*MTL*
60-11-4500			*Flush mount aluminum door - single with "D" handle*	*3*	*MTL*
60-11-4510			*Flush mount aluminum door - double with "D" handle*	*4*	*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
60-31-9600	*S*	*>*	*Adjustable shelf (ea)*	*4*	*MTL*
60-32-3500			*One adjustable hose divider*	*2*	*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			*Lettering - 80 letters up to 3" tall - 3 colour*	*1*	*MTL*
60-33-3000			Reflective stripe - 4" white	1	MTL
60-33-3500			Tarp over hose bed - black	1	MTL
60-33-4700			*No crosslay preconnects on vehicle*	*1*	*MTL*
			E		
60-40-5500			*Suction hose tube (each) with door*	*2*	*MTL*
60-41-1000			*Pike Pole tube with door*	*2*	*MTL*
60-41-1500			*Attic ladder tube with rear door*	*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*
60-41-9500		*>*	*Zico Horizontal Ladder Access system*	*1*	*MTL*
60-41-9510			*ZICO HLAS switched at rear above tail light*	*1*	*MTL*
			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			Colour coded tags	1	MTL
70-11-4100			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	*S*		*Open storage top of pump house*	*1*	*MTL*
70-11-5500			Right side tread plate pump access door	1	MTL
70-11-7500			Heat pan-aluminum	1	MTL
70-11-8100			Heater in pump compartment not requested	1	MTL
70-20-0500			4-1/2" compound gauge - dual face 0-600	2	MTL
70-20-1500			2-1/2" pressure gauge - dual face 0-600	7	MTL
70-20-2500			Primer control	1	MTL
70-20-3100			*Class One Governor Control*	*1*	*MTL*

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
70-20-3510			*Electric water level gauge on pump panel and at rear, Class One*	*1*	*MTL*
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*
71-21-4000			*Microphone compartment*	*1*	*MTL*
71-21-4000	*S*		*Microphone compartment*	*1*	*MTL*
71-21-4500			*Speaker on pump panel*	*1*	*MTL*
71-21-4500	*S*		*Speaker on pump panel*	*1*	*MTL*
71-99-0500	*U*		*Microphone connection on pump panel*	*1*	
71-99-0501	*U*		*Mircrophone connection on pump panel*	*1*	
			ACCESSORIES	1	MTL
80-11-5000			6" x 10' lightweight suction hose (ea)	2	MTL
80-12-2500			*6" barrel strainer*	*1*	*MTL*
80-13-0500			*Rubber mallet*	*1*	*MTL*
80-13-1100			*Hose wrenches (triple) with holder*	*1*	*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*
80-99-0500	*U*		*4" Storz to 2-1/2" swivel female threaded adapter only*	*1*	
80-99-1000	*U*		*4" Storz to 2-1/2" male threaded adapter with cap*	*1*	