



Inverness Volunteer Fire Department  
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**Exp. Date:** 08/12/2016  
**Quote No:** JINNS-0010      **Job/Order No:** 19447  
**BODY:** 00-10-31      Metalfab Tanker - ULC 05/13

06/05/2017

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			<b>== Metalfab Tanker - ULC 05/13 - 0.000 ==</b>	<b>1</b>	<b>MTL</b>
	<b>S</b>		<b>CHANGE ORDER B</b>	<b>1</b>	<b>MTL</b>
00-10-1000			Metalfab Tanker 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
<b>00-20-1700</b>			<b>Hale Pump Warranty - 5 years</b>	<b>1</b>	<b>MTL</b>
<b>00-20-1800</b>	<b>S</b>		<b>Polypropylene Tank Lifetime Warranty</b>	<b>1</b>	<b>MTL</b>
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
<b>10-11-0110</b>			<b>Vehicle data recorder included with chassis</b>	<b>1</b>	<b>MTL</b>
<b>10-11-1100</b>	<b>S</b>		<b>ULC S515-13 Compliance</b>	<b>1</b>	<b>MTL</b>
10-11-1600		>	ULC Testing - Tanker	1	MTL
<b>10-11-2100</b>	<b>S</b>		<b>Maximum length 330"</b>	<b>1</b>	<b>MTL</b>
<b>10-11-2200</b>	<b>S</b>		<b>Maximum height 114"</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>Manuals - two copies</b>	<b>1</b>	<b>MTL</b>
<b>10-11-3600</b>	<b>S</b>	>	<b>Delivery - FOB Fire Department</b>	<b>1</b>	<b>MTL</b>
10-11-4000			Payment Terms - Chassis Net 10 days, Balance COD	1	MTL
10-20-1200			Hose bed capacity - standard ULC Tanker	1	MTL
10-20-2200			Equipment carrying capacity - standard ULC Tanker	1	MTL
			CHASSIS INFORMATION	1	MTL
<b>20-11-1000</b>	<b>S</b>		<b>Chassis supplied by Metalfab - Freightliner M2 106</b>	<b>1</b>	<b>MTL</b>
<b>20-11-1600</b>	<b>S</b>		<b>Chassis Motor Vehicle Inspection as provided by chassis dealership</b>	<b>1</b>	<b>MTL</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
<b>20-21-1530</b>			<b>Tire Pressure Indicators - Single Axle</b>	<b>1</b>	<b>MTL</b>
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
<b>20-21-3810</b>			<b>Front mudflaps provided with chassis</b>	<b>1</b>	<b>MTL</b>
			E		

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20-21-4000			Rear mudflaps - Metalfab Logo	1	MTL
<b>20-31-0500</b>			<b>Alum tread fuel tank trim, Conv - 2 door</b>	1	<b>MTL</b>
<b>20-31-1900</b>	S		<b>Chassis cab paint by chassis OEM</b>	1	<b>MTL</b>
<b>20-31-7500</b>	S		<b>Console in cab</b>	1	<b>MTL</b>
20-41-0600			Intake air shutoff for engine not required	1	MTL
<b>20-41-0900</b>			<b>Auxiliary braking system disabled when pumping</b>	1	<b>MTL</b>
20-41-1100			Transmission programming - Allison WT	1	MTL
<b>20-41-1510</b>	S		<b>Extend exhaust pipe - RS front of rear wheels</b>	1	<b>MTL</b>
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
<b>20-41-5100</b>			<b>Rear Tow Hook - pintle hook</b>	1	<b>MTL</b>
<b>20-51-0710</b>			<b>Master Battery Disconnect included with Freightliner chassis</b>	1	<b>MTL</b>
<b>20-51-2500</b>			<b>Back up alarm included with chassis</b>	1	<b>MTL</b>
<b>20-51-3100</b>			<b>Air inlet not required</b>	1	<b>MTL</b>
20-51-3400			Protection valve installed for air operated accessories	1	MTL
<b>20-51-6200</b>		>	<b>120 volt 20 A shore line connection in chassis cab</b>	1	<b>MTL</b>
<b>20-51-6600</b>			<b>Kussmaul Pump Plus conditioner/compressor</b>	1	<b>MTL</b>
20-51-7100			Electric System Manager	1	MTL
<b>20-51-7500</b>			<b>Super Auto eject for 120 v - 20 A with sealed enclosure</b>	1	<b>MTL</b>
<b>20-51-9001</b>	S		<b>Air horns ordered with Freightliner chassis</b>	1	<b>MTL</b>
<b>20-52-3500</b>		>	<b>Chassis steering wheel lined up by Metalfab</b>	1	<b>MTL</b>
			<b>E</b>		
20-60-0400			Chassis wheelbase does not change	1	MTL
			PUMP AND PLUMBING	1	MTL
30-11-1000			Hale AP PTO pump - 420 IGPM	1	MTL
<b>30-15-0303</b>			<b>Plumbing - non manifold pump SM</b>	1	<b>MTL</b>
			<b>E</b>		
30-20-0500			Valves and controls - side mount panel	1	MTL
<b>30-20-1001</b>			<b>Valve brand not specified</b>	1	<b>MTL</b>
<b>30-20-1630</b>			<b>Piping galvanized steel - PTO pump</b>	1	<b>MTL</b>
<b>30-20-1700</b>	S		<b>1-1/2" thread specifications - NPSH</b>	1	<b>MTL</b>
<b>30-20-1800</b>	S		<b>2-1/2" thread specifications - 3.230 x 5</b>	1	<b>MTL</b>
30-20-2000			Piping hydrostatic test	1	MTL
<b>30-20-2505</b>			<b>Anodes in suction and discharge piping not requested</b>	1	<b>MTL</b>
<b>30-21-5510</b>			<b>Tank to Pump 3" w/ check valve non manifold pump</b>	1	<b>MTL</b>
<b>30-22-0500</b>			<b>Tank Fill valve 2"</b>	1	<b>MTL</b>
<b>30-31-2500</b>			<b>Suction - 4" not gated each side non manifold pump 5" header</b>	1	<b>MTL</b>
<b>30-32-7520</b>			<b>Suction - 2-1/2" left side, bleeder, non manifold pump</b>	1	<b>MTL</b>
<b>30-41-2006</b>			<b>2-1/2" RS discharge, bleeder, non manifold pump</b>	1	<b>MTL</b>
<b>30-41-2506</b>			<b>2-1/2" LS discharge, bleeder, non manifold pump</b>	1	<b>MTL</b>
<b>30-42-8500</b>			<b>1-1/2" rear discharge, plumbed 2"</b>	1	<b>MTL</b>
<b>30-43-1500</b>			<b>2-1/2" rear discharge, plumbed 2-1/2", bleeder</b>	1	<b>MTL</b>
<b>30-51-0400</b>			<b>Pump shift - PTO Pump and Roll</b>	1	<b>MTL</b>
<b>30-51-1500</b>			<b>Power shift PTO - Automatic transmission</b>	1	<b>MTL</b>
<b>30-51-1501</b>			<b>PTO driveshaft</b>	1	<b>MTL</b>
<b>30-51-6640</b>			<b>Class One "TPG Plus" Governor/Throttle</b>	1	<b>MTL</b>
30-51-7000			Suction side relief V/V, manifold pump	1	MTL
<b>30-51-7700</b>			<b>Primer Hale oil less ESP with oil tank Hale</b>	1	<b>MTL</b>
<b>30-51-8100</b>			<b>Heat exchanger included with chassis</b>	1	<b>MTL</b>
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-3001			Foam system not requested	1	MTL
			WATER AND FOAM TANKS	1	MTL
<b>40-11-2100</b>	S		<b>Polypropylene water tank (Imperial gallons)</b>	1	<b>MTL</b>
40-11-2200			Water tank capacity certification (tank manufacturer)	1	MTL
<b>40-11-6500</b>	S		<b>Tank capacity 1500 Imperial Gallons</b>	1	<b>MTL</b>
<b>40-21-1000</b>			<b>4" tank to pump connection</b>	1	<b>MTL</b>
<b>40-22-0500</b>			<b>2" tank fill connection</b>	1	<b>MTL</b>
<b>40-23-0500</b>			<b>1" water level gauge connection</b>	1	<b>MTL</b>

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
40-23-1040			<b>4" direct fill connection</b>	1	MTL
40-23-1060			10" Newton dump connection	1	MTL
40-30-0500			<b>Sump drain valve (3" gate valve) with linkage</b>	1	MTL
			<b>E</b>		
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			<b>Newton dump, top mount manual operation</b>	1	MTL
40-31-5000			<b>Newton dump - 36" telechute painted steel</b>	1	MTL
40-31-5600		>	<b>Rotating dump chute for Newton dump painted steel</b>	1	MTL
40-31-5800			<b>Support for rotating dump chute if necessary</b>	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			<b>Rocker switch panel with master warning switch</b>	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			<b>Siren to be accessible to driver and officer</b>	1	MTL
50-11-5810	S	>	<b>Federal light package</b>	1	MTL
50-11-5812	U		<b>Federal LPX53DS-NFPA light bar</b>	1	
50-11-6501			Rear Directional Light not required	1	MTL
50-11-8900			<b>Rear beacons-Federal Sentry (pr) 1 red, 1 amber</b>	1	MTL
50-12-502A	U		<b>Front LED flashers (pr) - red Federal IMPAXX</b>	1	
50-12-511A	U		<b>Rear LED flashers (pr) - red Federal IMPAXX</b>	1	
50-12-521A	U		<b>Front side intersection lights - LED (pr) - red Federal IMPAXX</b>	1	
50-12-531A	U		<b>Body side intersection lights - LED (pr) - red Federal IMPAXX</b>	1	
50-21-1500			Rear floods (pr)-Unity	1	MTL
50-21-5100		>	Compartment lighting - LED tube lights in each compartment (rollup doors)	1	MTL
50-21-5500			<b>Door Ajar warning light</b>	1	MTL
50-21-5550			<b>Equipment rack not stowed warning light</b>	2	MTL
50-21-8001			<b>Step lights for body steps - 4" LED</b>	1	MTL
50-21-8200	S		<b>Step lights for chassis steps</b>	1	MTL
50-21-83AA	U		<b>12" Lumabars for rear step lighting when a rotating dump is present</b>	1	
50-21-8600			LED clearance lts and reflectors	1	MTL
50-22-0700	S		<b>Whelen 64 LED tail/brake-turn-backup module (pr)</b>	1	MTL
50-31-6550			<b>Ground lighting (LED Lumabar) - 2 door chassis</b>	1	MTL
50-31-6570			<b>Ground lighting (LED Lumabar) - side mount body</b>	1	MTL
50-31-65AA	U		<b>Hose bed lighting - 20" lumabars (3) on front partition</b>	1	
50-35-0500	S		<b>Provision for customer supplied mobile radio</b>	2	MTL
50-35-0560			<b>VHF antenna with base - commercial chassis</b>	2	MTL
50-99-05AA	U		<b>Install customer supplied scene lights on side of body (2 pair)</b>	1	
			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	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
60-11-0100		>	Front left side compartment to top of wheel well	1	MTL
60-11-0500		>	Front right side compartment to top of wheel well	1	MTL
60-11-0800		>	Rear left side compartment to top of wheel well	1	MTL
60-11-1100		>	Rear right side compartment to top of wheel well	1	MTL
60-11-3100			<b>No rear compartment</b>	1	MTL
60-11-4500			<b>Flush mount aluminum door - single with "D" handle</b>	2	MTL
60-11-4510			<b>Flush mount aluminum door - double with "D" handle</b>	2	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-31-4100			Extruded aluminum handrails	1	MTL
<b>60-31-5500</b>	<b>S</b>		<b>Steps at rear of body (folding) - with integral lights</b>	<b>1</b>	<b>MTL</b>
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
60-32-3500			One adjustable hose divider	1	MTL
60-32-7500			Hose bed - aluminum	1	MTL
<b>60-33-0000</b>			<b>Paint exterior - Imron Elite</b>	<b>1</b>	<b>MTL</b>
60-33-0200			Undercoat vehicle with KROWN rust protection	1	MTL
<b>60-33-0600</b>			<b>Chassis wheels not painted</b>	<b>1</b>	<b>MTL</b>
60-33-1000			Paint pump and plumbing job colour	1	MTL
60-33-1500			Buffed finish compartment interior	1	MTL
<b>60-33-2200</b>	<b>S</b>		<b>Lettering - 80 letters up to 3" tall - 3 colour</b>	<b>1</b>	<b>MTL</b>
<b>60-33-3000</b>	<b>S</b>		<b>Reflective stripe - 4" white</b>	<b>1</b>	<b>MTL</b>
<b>60-33-3310</b>	<b>S</b>		<b>Reflective stripe - red and yellow chevron at rear</b>	<b>1</b>	<b>MTL</b>
<b>60-33-3500</b>	<b>S</b>		<b>Tarp over hose bed - black</b>	<b>1</b>	<b>MTL</b>
<b>60-33-4700</b>			<b>No crosslay preconnects on vehicle</b>	<b>1</b>	<b>MTL</b>
			<b>E</b>		
<b>60-40-1500</b>	<b>S</b>		<b>4" Hose tray - side mount (ea)</b>	<b>2</b>	<b>MTL</b>
<b>60-40-5500</b>	<b>S</b>		<b>Suction hose tube (each) with door</b>	<b>3</b>	<b>MTL</b>
<b>60-41-7000</b>	<b>S</b>	<b>&lt; &gt;</b>	<b>Drop down portable tank rack - manual operation</b>	<b>1</b>	<b>MTL</b>
			Left side fender top for customer's porta-tank that measures 127" long x 31" high.		
			Thickness when tank is folded is 7"		
<b>60-41-7100</b>			<b>Tread plate on body behind porta tank rack</b>	<b>1</b>	<b>MTL</b>
<b>60-41-7110</b>			<b>No tread plate exterior manual drop down porta tank rack</b>	<b>1</b>	<b>MTL</b>
<b>60-41-7515</b>			<b>Assist handles not required</b> <b>E</b>	<b>1</b>	<b>MTL</b>
<b>60-41-8600</b>	<b>S</b>	<b>&lt;</b>	<b>Top Mount ladder slideway</b>	<b>1</b>	<b>MTL</b>
			For customer's 40' 3-section ladder - slide way in center of hose bed as shown on the proposal drawing.		
			Customer to specify make and model and dimensions of their ladder:		
			Make - <u>__Unknown__</u>		
			Model - <u>__Unknown__</u>		
			Overall length - <u>__181"__</u>		
			Overall width - <u>__21" bottom fly, 14-3/4" top fly__</u>		
			Overall thickness - <u>__9"__</u>		
			Center to center between rungs - <u>__14" centres, 12-3/4" between rungs__</u>		
<b>60-41-9000</b>	<b>S</b>	<b>&lt; &gt;</b>	<b>Zico electric Ladder Access system</b>	<b>1</b>	<b>MTL</b>
			Right side fender top for customer's 24' 2 section ladder and 14' roof ladder		
			Customer to specify make and model and dimensions of their ladders:		
			<b>24' two section</b>		
			Make - <u>__Thibault__</u>		
			Model - <u>__19-624B-2109 7.3m__</u>		
			Overall length - <u>__171"__</u>		
			Overall width - <u>__21"__</u>		
			Overall thickness - <u>__5-1/2"__</u>		
			Center to center between rungs - <u>__14"__</u>		
			<b>14' roof</b>		
			Make - <u>__Thibault__</u>		
			Model - <u>__19-214B-2230 4.2m__</u>		
			Overall length - <u>__169-1/2"__</u>		

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			Overall width - <u>18-1/2"</u>		
			Overall thickness - <u>3-1/4"</u>		
			Center to center between rungs - <u>14"</u>		
			Nested thickness is 8"		
			See photos in job folder		
			To be wired so only operable when park brake is engaged.		
			Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.		
60-41-9010			<b>ZICO LAS switched at rear above tail light</b>	1	MTL
			<b>E</b>		
60-41-9100			<b>Manual locking system for LAS</b>	1	MTL
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-0500			<b>Side mount instrument panel</b>	1	MTL
70-11-1500			<b>Stainless steel instrument panels</b>	1	MTL
70-11-3200			<b>Colour coded tags</b>	1	MTL
70-11-4100			<b>Stainless steel side panel hood left side</b>	1	MTL
70-11-4500			<b>Diamondback grip type panel hood step right side</b>	1	MTL
70-11-5100			<b>Open storage at rear top of pump house</b>	1	MTL
70-11-5500			<b>Right side tread plate pump access door</b>	1	MTL
70-11-7500			<b>Heat pan-aluminum</b>	1	MTL
70-11-8100			<b>Heater in pump compartment not requested</b>	1	MTL
70-20-1500			<b>2-1/2" pressure gauge - dual face 0-600</b>	4	MTL
70-20-2500			<b>Primer control</b>	1	MTL
70-20-3100			<b>Class One Governor Control</b>	1	MTL
70-20-3510			<b>Electric water level gauge on pump panel and at rear, Class One</b>	1	MTL
70-20-6500			Test gauge panel	1	MTL
70-20-7500			<b>Heat exchanger control valve</b>	1	MTL
70-21-2100		>	<b>PTO Hourmeter</b>	1	MTL
70-21-5500			<b>Panel readout for Battery Conditioner</b>	1	MTL
71-21-4500	S		<b>Speaker on pump panel</b>	1	MTL
			ACCESSORIES	1	MTL
80-11-2000	S		<b>4" x 10' lightweight suction hose (ea)</b>	3	MTL
80-12-1200	S		<b>4" floating strainer</b>	1	MTL
80-13-0500			<b>Rubber mallet</b>	1	MTL
80-99-0100	U		<b>4" x 12' lightweight suction hose (ea)</b>	2	