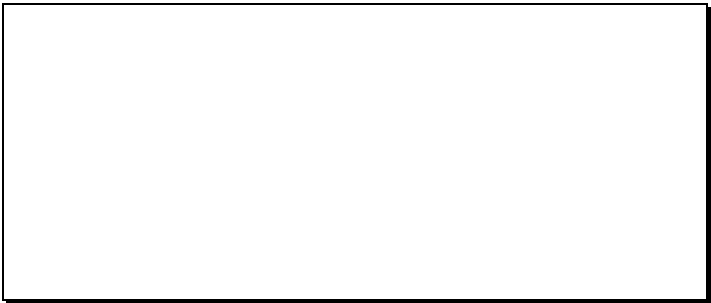




St. Clair Fire Department
 Walt Anderson
 392 Lyndoch Street
 PO Box 1450
 Corunna, ON N0N 1G0
 519 383 2330 (H)
 519 481 0111 (W)
 519 481 0112
 wanderson@twp.stclair.on.ca



Exp. Date: 03/08/2014
Quote No: 10014-0010
Job/Order No: 17821
BODY: 00-10-31 Metalfab Tanker - ULC 05/13

02/17/2017

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			== Metalfab Tanker - ULC 05/13 - 0.000 ==	1	MTL
	S	<	Change Order C	1	MTL
			Send two copies of updated drawings to Fire Department c/o Walt Anderson		
00-10-1000			Metalfab Tanker	1	MTL
00-20-1000			Company Profile	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
00-20-2100	S	<	Plant Inspection Visits	1	MTL
			1 trip 2 people		
			Plant visit will be to witness the ULC test - advise Department of the ULC date as soon as it is known.		
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	1	MTL
10-11-0110			Vehicle data recorder included with chassis	1	MTL
10-11-0200	U		Calculate centre of gravity	1	
10-11-1100			ULC S515-04 Compliance	1	MTL
10-11-1600		>	ULC Testing - Tanker	1	MTL
10-11-2100	S		Maximum length 26' - 06" (318")	1	MTL
10-11-2200	S		Maximum height 9' - 06" (114")	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	1	MTL
10-11-4200	S		Payment Terms - Chassis and Body 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
20-11-1000	S		Chassis supplied by Metalfab - Freightliner M2 106	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1700	S		Chassis Motor Vehicle Inspection required - ON	1	MTL
			E		
20-21-0500			Fluid capacity plate	1	MTL
20-21-0600			Pumping test plate	1	MTL
20-21-1010			Maximum riders sign - 3 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	1	MTL
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
20-31-0600	S		Alum tread fuel tank covers, diamond grip steps, Conv - 2 dr	1	MTL
20-31-3000	S	>	Paint conventional cab two tone - by Freightliner	1	MTL
20-31-4700	S	>	Hinged mount on front bumper for preconnected TFT Tornado	1	MTL
			Moniter		
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
			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
20-51-4000			Auto eject for air inlet - LS	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
20-51-9110	S		Air horns on hood, chassis OEM foot switch controlled	1	MTL
20-52-1000		>	Federal Littlite gooseneck map light (ea)	1	MTL
			E		
20-52-3500		>	Chassis steering wheel lined up by Metalfab	1	MTL
			E		
20-52-4000			Rear View Camera system	1	MTL
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
30-15-0303			Plumbing - non manifold pump SM	1	MTL
30-20-0500			Valves and controls - side mount panel	1	MTL
30-20-1002			Akron valves specified	1	MTL
30-20-1630			Piping galvanized steel - PTO pump	1	MTL
30-20-1700	S		1-1/2" thread specifications - NPSH	1	MTL
30-20-1800	S		2-1/2" thread specifications - CSA	1	MTL
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2505			Anodes in suction and discharge piping not requested	1	MTL
30-21-5510	S		Tank to Pump 3" w/4" check valve non manifold pump - 4"	1	MTL
			piping		
30-22-0500			Tank Fill valve 2"	1	MTL
30-31-2500	S		Suction - 4" not gated each side non manifold pump 5" header	1	MTL
30-32-7520			Suction - 2-1/2" left side, bleeder, non manifold pump	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-41-2006			2-1/2" RS discharge, bleeder, non manifold pump	1	MTL
30-41-2506			2-1/2" LS discharge, bleeder, non manifold pump	1	MTL
30-44-0500			1-1/2" crosslay (each), 2" valve, bleeder	2	MTL
30-44-1000	S	>	1-1/2" front trash line, plumbed 2",for TFT remote monitor	1	MTL
30-51-0400			Pump shift - PTO Pump and Roll	1	MTL
30-51-1500			Power shift PTO - Automatic transmission	1	MTL
30-51-1501			PTO driveshaft	1	MTL
30-51-5000			Relief V/V Hale P25 - PTO pump only up 420/500	1	MTL
30-51-7000			Suction side relief V/V, manifold pump	1	MTL
30-51-7700			Primer Hale oil less ESP with oil tank Hale	1	MTL
30-51-8100			Heat exchanger included with chassis	1	MTL
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-3001			Foam system not requested	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
40-11-6500			Tank capacity 1500 Imperial Gallons	1	MTL
40-21-1000			4" 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
40-30-0500			Sump drain valve (3" gate valve) with linkage	1	MTL
			E		
40-30-1200	S		Water Fill Box special location	1	MTL
40-31-3500			10" rear Newton dump, stainless steel	1	MTL
40-31-3600			Newton dump - stainless steel 36" telechute	1	MTL
40-31-4700			Newton dump, top mount manual operation	1	MTL
40-31-5600	S	>	Rotating dump chute for Newton dump - stainless steel	1	MTL
40-31-5800			Support for rotating dump chute if necessary	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	S		Whelen model 295SDA Siren	1	MTL
50-11-1620	S		Siren speaker, 100 watt, in front bumper - Whelen Model SA315P	1	MTL
50-11-2600			Siren to be accessible to driver and officer	1	MTL
50-11-6100	S		Whelen FN60QLED light bar NFPA	1	MTL
50-11-6610			Rear LED Traffic Advisor warning lights - flush mount	1	MTL
50-11-9000	S		Rear beacons-Whelen RB6T - both red	1	MTL
50-12-8500	S		Front LED flashers (pr)-Whelan red LED LINZ6	1	MTL
50-12-8600	S		Rear LED flashers (pr)-Whelan red LED LINZ6	1	MTL
50-12-8700	S		Front side inter lts (pr) - Whelan red LED LINZ6	1	MTL
50-12-8800	S		Body side inter lts (pr)-Whelan red LED LINZ6	1	MTL
50-21-1520	U		Whelen PFBP12C LED Floods (pr)	1	
50-21-1600	S		Parking (ditch) lights in rear fenders - LED, SS housing	1	MTL
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
50-21-8001			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
50-21-8800	S		LED intermediate turn signal in rubrail	1	MTL
50-21-8900	U		LED Intermediate turn signal in rear fenders	1	
50-22-0700			Whelan 64 LED tail/brake-turn-backup module (pr)	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
50-31-6600			Ground lighting (4" LED) - 2 door chassis	1	MTL
50-31-6620			Ground lighting (4" LED) - side mount body	1	MTL
50-31-7000		>	Work light for crosslay hose beds	1	MTL
			BODY	1	MTL
60-10-1400	S		Single axle extruded aluminum body	1	MTL
60-10-4100			No "beavertail" rear step supports	1	MTL
60-10-4500			Aluminum tread plate fender surround - single axle	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
60-10-6500			Bolt on extruded aluminum rub rail	1	MTL
60-11-0100		>	Front left side compartment to top of wheel well	1	MTL
60-11-0150		>	Second front left side compartment to top of wheel well	1	MTL
60-11-0700	S	>	Front right side compartment full height	1	MTL
			E		
60-11-1700			No rear left side compartments	1	MTL
60-11-1800			No rear right side compartments	1	MTL
60-11-2000		>	High side compartment (over 18") each	2	MTL
60-11-2500	S	>	Rear compartment at step level	1	MTL
60-11-4500			Flush mount aluminum door - single with "D" handle	1	MTL
60-11-5500			Rollup door - standard height	4	MTL
60-11-5520			Rollup door - full height	1	MTL
60-31-4100	S		Extruded aluminum handrails	1	MTL
60-31-5510	S	>	Steps at rear of body (fixed diamond grip)	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
60-31-8700	S	>	Sliding tray (ea) - 400 pound capacity with gas strut	2	MTL
60-31-9600		>	Adjustable shelf (ea)	2	MTL
60-32-3550			Two 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
60-33-1500			Buffed finish compartment interior	1	MTL
60-33-2200	S		Lettering - 80 letters up to 3" tall - 3 colour	1	MTL
60-33-3000	S		Reflective stripe - 4" white	1	MTL
60-33-3310			Reflective stripe - red and yellow chevron at rear	1	MTL
60-33-4000			Tarp over crosslays - black	1	MTL
60-33-5000			Aluminum cover over hose bed with end tarps - black	1	MTL
			E		
60-40-1500	S		4" Hose tray - side mount (ea)	2	MTL
60-40-9500		>	Tube for portable tank storage, with rear door	1	MTL
60-41-1000			Pike Pole tube with door	1	MTL
60-41-1500			Attic ladder tube with rear door	1	MTL
60-41-8600	S		Top Mount ladder slideway	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	S		Colour coded tags - Vision Mark	1	MTL
70-11-4000			Stainless steel side panel hood right side	1	MTL
70-11-4100			Stainless steel side panel hood left 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
70-20-0500	S		4-1/2" compound gauge - dual face 0-400	2	MTL
70-20-1500	S		2-1/2" pressure gauge - dual face 0-400	5	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
70-20-2500			Primer control	1	MTL
70-20-3000			Relief valve control	1	MTL
70-20-3510			Electric water level gauge on pump panel and at rear, Class One	1	MTL
70-20-6000			Vernier throttle - electronic engine	1	MTL
70-20-6500			Test gauge panel	1	MTL
70-20-7500			Heat exchanger control valve	1	MTL
70-20-7600			Pump cooler control valve	1	MTL
70-21-0110			Class One ENFO IV engine monitor J1939	1	MTL
70-21-2100		>	PTO Hourmeter	1	MTL
70-21-5500			Panel readout for Battery Conditioner	1	MTL
71-21-3101		>	Transmission warning light not required	1	MTL
			E		
			ACCESSORIES	1	MTL
80-12-1200	S		4" floating strainer	1	MTL
80-12-3000		>	4" low level strainer with 1-1/2" venturi connection	1	MTL
80-13-1000	S		Hose wrenches (double) with holder	2	MTL
80-13-1500	S		Bar with bracket	1	MTL
80-13-2100			Pike pole, 10' wooden handle	2	MTL
80-13-2510			Pike pole, fibreglass handle - 6' long	1	MTL
80-13-40AA	U		Pick head axe with fibreglass handle, SP mts, Pick Protector	2	
80-14-0510	S		24' 3 section extension ladder PEL3 24	1	MTL
80-14-5000	S		12' aluminum roof ladder PRL-12	1	MTL
80-14-8500	S		10' aluminum folding attic ladder FL-10	1	MTL
80-15-0500			1500 l gallon portable tank - Husky	1	MTL
80-99-05AA	U		TFT Y2-E11A Monitor	1	
80-99-10AA	U		TFT MD-ERP-18A Nozzle	1	
80-99-15AA	U		TFT Y4E-JS Wireless Controler	1	
80-99-20AA	U		Set of truck irons c/w axe, halligan bar and carrying strap	6	
80-99-25AA	U		Stream light Firebox flashlight c/w DC chargers	2	
80-99-30AA	U		Rubber Wheel Chocks - Yellow (each)	2	