



Shop Order-00-10-15: Unclassified

Carrier Truck Centers Inc.
 O/A Carrier Centers
 645 Athlone Place
 Woodstock, ON N4S 7V8

Northern Bruce Peninsula

Exp. Date: 09/09/2015
Quote No: ENOON-0013 **Job/Order No:** 18782
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

02/09/2017

Page 1

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			== Metalfab Pumper - ULC 05/13 - 0.000 ==	1	MTL
			Change Order C	1	MTL
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
00-20-1600			Waterous 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
10-11-0110			Vehicle data recorder included with chassis	1	MTL
10-11-1101	S		ULC S515-13 and NFPA 1901-2009 Compliance	1	MTL
10-11-1500		>	ULC Testing - Pumper	1	MTL
10-11-2100			Maximum length not specified E	1	MTL
10-11-2200			Maximum height not specified E	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 - By Carrier	1	MTL
10-11-4200	S		Payment Terms - Chassis and Body 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 - 4 door Freightliner M2 106	1	MTL
			Change Order A - Add nut covers and hubcaps to front and rear wheels @ \$125.00 (as per John at Nova)		
			Remove exterior sun visor that was originally quoted.		
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1600	S		Chassis Motor Vehicle Inspection by Carrier	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
20-21-1520			Helmet warning label - do not wear helmet	4	MTL
20-21-1530			Tire Pressure Indicators - Single Axle	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
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
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
20-31-1100			Alum tread fuel tank covers, diamond grip steps, Conv - 4 dr	1	MTL
20-31-1500		>	Special compartments in chassis steps	2	MTL
			E		
20-31-1900			Chassis cab not painted E	1	MTL
20-31-4700		>	Extend front bumper, gravshld with preconnected hosewell	1	MTL
			E		
20-31-7500			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
			E		
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
20-51-0710			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
20-51-6200	S	>	120 volt 20 A shore line connection	2	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
20-51-9001	S		Air horns on cab hood, with Chassis - foot switch controls	1	MTL
20-52-3500		>	Chassis steering wheel lined up by Metalfab	1	MTL
			E		
20-60-0400			Chassis wheelbase does not change	1	MTL
20-99-05AA	U	<	Chrome bumper guides/sight rods on front bumper corners - lighted	1	
			Part number 1580286		
			PUMP AND PLUMBING	1	MTL
30-11-3002			Waterous CXVPA 1250 PTO driven pump - 1050 IGPM	1	MTL
30-15-0304			Plumbing - non manifold pump SM SS	1	MTL
			E		
30-20-0501			Valves and controls - compartment mounted panel	1	MTL
			E		
30-20-1002			Akron valves specified	1	MTL
30-20-1620	S		Piping stainless steel - non manifold 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
30-20-2510			Anodes in suction and discharge piping -AP/MG/DSD	1	MTL
30-21-5520			Tank to Pump SS 3" w/ check valve non manifold pump	1	MTL
30-22-0520			Tank Fill valve 2" SS	1	MTL
30-31-4020			Suction - 6" not gated each side SS non manifold pump 6" header	1	MTL
30-32-7550			Suction - 2-1/2" left side SS, bleeder, non manifold pump	1	MTL
30-40-2006			4" right discharge, plumbed 3", non manifold pump	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-41-2040			2-1/2" RS discharge SS, bleeder, non manifold pump	1	MTL
30-41-2540			2-1/2" LS discharge SS, bleeder, non manifold pump	2	MTL
30-43-1520			2-1/2" rear discharge SS, plumbed 2-1/2", bleeder	1	MTL
30-44-0720			1-1/2" speedlay (each) front of pumphouse SS, plumbed 2"	2	MTL
30-44-10AA	U		2-1/2" front discharge SS	1	
30-44-6520			Piping for monitor SS, plumbed 3", bleeder	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 E	1	MTL
30-51-6700			FRC Pump Boss Governor/Throttle engine display	1	MTL
30-51-7000			Suction side relief V/V, manifold pump	1	MTL
30-51-8100			Heat exchanger included with chassis	1	MTL
30-51-90AA	U		Waterous OPM (Overheat Protection Manager) for pump	1	
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-3001			Foam system not requested E	1	MTL
30-99-05AA	U		Trident air primer - 3 barrel, single location, remote mounted	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
40-11-4500	S <		Tank capacity 800 Imperial Gallons	1	MTL
			To allow a T type bottom to allow suction hose tubes to be stored under the tank		
40-13-0100		>	Through the tank tunnel - up to 1200 gallon tank	1	MTL
40-21-1000			4" tank to pump connection	1	MTL
40-22-0500			2" tank fill connection	1	MTL
40-23-0500			1" water level gauge connection	1	MTL
40-30-0400			3" plug in sump box	1	MTL
40-30-1000			Water Fill Box front left corner	1	MTL
40-31-0400			Rear dump valve not requested E	1	MTL
40-31-6050			Rear fill not requested E	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
50-11-14AA	U		Code 3 Siren, Model 3692	1	
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
50-11-3500			Horn ring transfer switch	1	MTL
50-11-6100	S		Whelen Justice LED light bar NFPA	1	MTL
50-11-6610	S		Rear LED Traffic Advisor warning lights - flush mount	1	MTL
50-11-8600	S <		Rear LED beacons-Whelen L31HRFN (pr) both red	1	MTL
			Mount on top of compartments to match Responder drawing		
50-12-8000	S		Additional body side intersection light not required	1	MTL
50-12-8520	S		Front LED flashers (pr)-Whelen red LED LIN3 with integral flasher	1	MTL
50-12-8710	S		Front side inter lts (pr) - Whelen red LED LIN3 with integral flasher	1	MTL
50-12-8810	S		Body side inter lts (pr)-Whelen red LED LIN3 with integral flasher	1	MTL
50-21-2540	S		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	S		Step lights for chassis steps - LED	1	MTL
50-21-8600			LED clearance lts and reflectors	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
50-21-8800			<i>LED intermediate turn signal/clearance/reflector length >30'</i>	1	MTL
50-22-0750	S		<i>Whelan 64 LED CAST 4V tail/brake-turn-backup-warning module (pr)</i>	1	MTL
50-31-6010	S		<i>Scene light boxes (pr) - tread plate</i>	2	MTL
50-31-6610			<i>Ground lighting (4" LED) - 4 door chassis</i>	1	MTL
50-31-6620			<i>Ground lighting (4" LED) - side mount body</i>	1	MTL
50-35-0560	S <		<i>VHF antenna with base - commercial chassis</i>	1	MTL
			Cable to terminate in console area.		
			Antenna mounted behind the light bar		
50-99-05AA	U		<i>Whelen 9SC0ENZR LED Scene lights (pr)</i>	3	
50-99-10AA	U		<i>Lighting for rear step/platform - LED Lumabar H20</i>	1	
			BODY	1	MTL
60-10-1400	S <		<i>Single axle extruded aluminum body</i>	1	MTL
			Rear to have an inset step above the rear compartment		
			Storage tubes through the tank for the pike poles and attic ladders will be above this step to maximize storage in rear step level compartment.		
60-10-4100			No "beavertail" rear step supports	1	MTL
60-10-4500			<i>Aluminum tread plate fender surround - single axle</i>	1	MTL
60-10-4700			Integral aluminum fender trim	1	MTL
60-10-5440	S >		<i>Diamondback 12" rear step</i>	1	MTL
60-10-6500			<i>Bolt on extruded aluminum rub rail</i>	1	MTL
60-11-0300		>	<i>Eront left side compartments full height</i>	1	MTL
			E		
60-11-0700		>	<i>Front right side compartments full height</i>	1	MTL
			E		
60-11-1000		>	<i>Rear left side compartments full height</i>	1	MTL
			E		
60-11-1400		>	<i>Rear right side compartments full height</i>	1	MTL
			E		
60-11-2000		>	<i>High side compartment (over 18") each</i>	2	MTL
60-11-2500		>	<i>Rear compartment at step level</i>	1	MTL
60-11-5500			<i>Rollup door - standard height</i>	2	MTL
60-11-5500	S		<i>Rollup door - full height</i>	5	MTL
60-31-4100			Extruded aluminum handrails	1	MTL
60-31-55BB	U <		<i>Lighted fold down steps on rear</i>	6	
			Cast Products #SP4401-1CH-BL-A		
			Metalfab #1560218		
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8000			<i>BA bottle compt (ea)-fender well</i>	4	MTL
60-31-8400			<i>Fixed vertical partition</i>	1	MTL
60-31-8800	S >		<i>Sliding tray (ea) - 600 pound capacity</i>	3	MTL
60-31-9600	S >		<i>Adjustable shelf (ea)</i>	9	MTL
60-32-3550			<i>Two adjustable hose divider (each)</i>	1	MTL
60-32-7500			<i>Hose bed - aluminum</i>	1	MTL
60-33-0000			<i>Paint exterior - Imron Elite</i>	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
60-33-1000			Paint pump and plumbing job colour	1	MTL
60-33-1500			Buffed finish compartment interior	1	MTL
60-33-2200	S		<i>Lettering - 80 letters up to 3" tall - 3 colour</i>	1	MTL
60-33-3200	S		<i>Reflective stripe - 4" - 1" white</i>	1	MTL
60-33-3310			<i>Reflective stripe - red and yellow chevron at rear</i>	1	MTL
60-33-3600			<i>Reflective stripe - inside entry doors</i>	1	MTL
60-33-5000	S		<i>Aluminum cover over hose bed with end tarps - black</i>	1	MTL
			E		
60-40-5500	S		<i>Suction hose tube (each) with door</i>	2	MTL
60-40-9000	S < >		<i>Tube mount for ladders, with rear door</i>	1	MTL
			This tube to be completely sealed so no road dirt, grime, snow,		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			etc enters.		
60-41-1000	S	<	Pike Pole tube Through tank	2	MTL
60-41-1500	S	<	Attic ladder tube Through tank	1	MTL
60-99-0010	U		Netting (black) for ends of speedlays (pair)	1	
60-99-0020	U		Flip up tread plate doors for pump house open storage	1	
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-0500			Side mount instrument panel	1	MTL
70-11-10AA	U		Linkage controls in LS front compartment	1	
70-11-1500			Stainless steel instrument panels	1	MTL
70-11-3200			Colour coded tags	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
70-11-5100	S		Open storage at rear top of pump house	1	MTL
70-11-52AA	U	<	Hinged cover (deckplate) over open storage area over pump house Will have to be notched for monitor piping	1	
70-11-5500	S		Right side pump access	1	MTL
70-11-7600			Heat pan-aluminum for Waterous pump	1	MTL
70-11-8000			Heater in pump compartment	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	9	MTL
70-20-16AA	U	<	2-1/2" pressure gauge - dual face 0-600 in cab for pump pressure Install on the console between the two front seats.	1	
70-20-3200			FRC Pump Boss Governor Control	1	MTL
70-20-3500			Electric water level gauge on pump panel, Class One	1	MTL
70-20-3700			Additional remote water level gauge readout, Class One	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
70-21-2100		>	PTO Hourmeter	1	MTL
70-21-5500			Panel readout for Battery Conditioner	1	MTL
			ACCESSORIES	1	MTL
80-13-0500			Rubber mallet	1	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	S	<	SCBA brkt w/strap - ZICO ULLH - crew cab mount Install in chassis seats (Officer's and the three rear seats)	4	MTL
80-19-0500			Large folding wheel chock - aluminum (ea) not mounted	2	MTL
80-19-0600		>	Horizontal bracket for folding wheel chock (ea)	2	MTL