



Shop Order-00-10-31: Unclassified

Carrier Truck Centers Inc.  
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**Exp. Date:** 03/13/2015  
**Quote No:** ESOON-0015      **Job/Order No:** 18400  
**BODY:** 00-10-31      Metalfab Tanker - ULC 05/13

02/10/2017

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PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			<b>== Metalfab Tanker - ULC 05/13 - 0.000 ==</b>	<b>1</b>	<b>MTL</b>
			<b>Change Order F</b>	<b>1</b>	<b>MTL</b>
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
00-20-1800			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	1	MTL
<b>10-11-0105</b>			<b>Vehicle Data Recorder not requested</b>	<b>1</b>	<b>MTL</b>
			<b>E</b>		
<b>10-11-1100</b>	<b>S</b>		<b>ULC S515-13 Compliance</b>	<b>1</b>	<b>MTL</b>
<b>10-11-2010</b>	<b>S</b>	<b>&gt;</b>	<b>ULC Testing - Mobile Water Supply Fire Fighting Apparatus</b>	<b>1</b>	<b>MTL</b>
<b>10-11-2100</b>	<b>S</b>		<b>Maximum length - 28' (336")</b>	<b>1</b>	<b>MTL</b>
10-11-2200			Maximum height not specified	1	MTL
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>&gt;</b>	<b>Delivery - FOB Fire Department - by Carrier</b>	<b>1</b>	<b>MTL</b>
<b>10-11-4200</b>	<b>S</b>		<b>Payment Terms - Chassis and Body COD</b>	<b>1</b>	<b>MTL</b>
<b>10-20-1200</b>			<b>Hose bed capacity - standard ULC Tanker</b>	<b>1</b>	<b>MTL</b>
<b>10-20-2200</b>			<b>Equipment carrying capacity - standard ULC Tanker</b>	<b>1</b>	<b>MTL</b>
			CHASSIS INFORMATION	1	MTL
<b>20-11-1000</b>	<b>S</b>		<b>Chassis supplied by Metalfab - Freightliner M2 112</b>	<b>1</b>	<b>MTL</b>
20-11-1500			2013 Emission chassis modifications	1	MTL
<b>20-11-1700</b>	<b>S</b>		<b>Chassis Motor Vehicle Inspection required - ON - by Carrier</b>	<b>1</b>	<b>MTL</b>
<b>20-21-0500</b>			<b>Fluid capacity plate</b>	<b>1</b>	<b>MTL</b>
<b>20-21-1000</b>			<b>Maximum riders sign - 2 persons</b>	<b>1</b>	<b>MTL</b>
<b>20-21-1500</b>			<b>Seat belt warning labels - 2 door chassis</b>	<b>1</b>	<b>MTL</b>
<b>20-21-1550</b>			<b>Tire Pressure Indicators not requested</b>	<b>1</b>	<b>MTL</b>
<b>20-21-1600</b>			<b>Apparatus Information Label</b>	<b>1</b>	<b>MTL</b>
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
<b>20-21-3810</b>			<b>Front mudflaps provided with chassis</b>	<b>1</b>	<b>MTL</b>
			<b>E</b>		

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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>
<b>20-31-1900</b>	<b>S</b>		<b>Chassis cab painted red by Freightliner</b>	<b>1</b>	<b>MTL</b>
<b>20-31-7500</b>	<b>S</b>	<b>&lt;</b>	<b>Console in cab</b>	<b>1</b>	<b>MTL</b>
			<b>Change Order A - Customer is to provide console dimensions and rough layout.</b>		
20-41-0600			Intake air shutoff for engine not required	1	MTL
<b>20-41-0800</b>	<b>S</b>		<b>Auxiliary braking system - Jacobs with chassis</b>	<b>1</b>	<b>MTL</b>
<b>20-41-1200</b>			<b>Transmission programming not required</b>	<b>1</b>	<b>MTL</b>
20-41-1500			Extend exhaust pipe - RS front of rear wheels	1	MTL
			E		
20-41-1900			Battery boost terminals with chassis	1	MTL
<b>20-41-2200</b>	<b>S</b>	<b>&lt;</b>	<b>Chassis batteries relocated to body compartment</b>	<b>1</b>	<b>MTL</b>
			E		
			<b>Change Order A - Customer prefers to leave batteries on chassis and not loose compartment space if possible - to assess when chassis arrives.</b>		
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>20-51-0710</b>			<b>Master Battery Disconnect included with Freightliner 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>
<b>20-51-3100</b>			<b>Air inlet not required</b>	<b>1</b>	<b>MTL</b>
20-51-3400			Protection valve installed for air operated accessories	1	MTL
<b>20-51-6100</b>	<b>S</b>	<b>&gt;</b>	<b>120 volt 15 A shore line connection in front LS compartment</b>	<b>2</b>	<b>MTL</b>
<b>20-51-6200</b>		<b>&gt;</b>	<b>120 volt 20 A shore line connection in chassis cab</b>	<b>1</b>	<b>MTL</b>
<b>20-51-6501</b>	<b>S</b>		<b>Kussmaul Pump Plus 1200 conditioner/compressor</b>	<b>1</b>	<b>MTL</b>
<b>20-51-7100</b>			<b>Electric System Manager</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>
<b>20-51-8500</b>			<b>Engine compartment lights (pair)</b>	<b>1</b>	<b>MTL</b>
<b>20-51-9001</b>	<b>S</b>		<b>Air horns - with chassis by dealer - lanyard controled</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>1</b>	<b>MTL</b>
			E		
20-60-0400			Chassis wheelbase does not change	1	MTL
<b>20-99-05AA</b>	<b>U</b>		<b>Auxiliary driving lights installed under front bumper</b>	<b>1</b>	
			PUMP AND PLUMBING	1	MTL
<b>30-11-0100</b>	<b>S</b>		<b>Engine driven pump not required</b>	<b>1</b>	<b>MTL</b>
<b>30-12-01AA</b>	<b>U</b>	<b>&lt;</b>	<b>CET PFP-30hpKHL-2D Portable Pump</b>	<b>1</b>	
			<b>Change Order A - provide a shelf/cradle in rearward compartment side wall to mount the fuel tank up off the floor of the compartment - complete with Velcro straps to hold fuel tank in place</b>		
			<b>Ryan in sales has a photo of similar layout (Brantford, ON)</b>		
<b>30-20-0100</b>			<b>Pump Panel not required</b>	<b>1</b>	<b>MTL</b>
<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 - NPSH</b>	<b>1</b>	<b>MTL</b>
<b>30-20-1800</b>	<b>S</b>		<b>2-1/2" thread specifications - CSA</b>	<b>1</b>	<b>MTL</b>
<b>30-20-2000</b>			<b>Piping hydrostatic test</b>	<b>1</b>	<b>MTL</b>
<b>30-21-55AA</b>	<b>U</b>		<b>Tank to Pump 3" Akron, 4" Suction connection</b>	<b>1</b>	
<b>30-22-15AA</b>	<b>U</b>		<b>Tank Fill 2-1/2" Akron, SS piping</b>	<b>1</b>	
<b>30-51-8200</b>	<b>S</b>		<b>Heat Exchanger not required (no engine driven pump)</b>	<b>1</b>	<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
40-11-2100			Ultra-Tank water tank (Imperial gallons)	1	MTL
40-11-2200			Water tank capacity certification (tank manufacturer)	1	MTL

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40-11-7601	S		Tank capacity 2900 Imperial Gallon	1	MTL
40-13-0100	S	>	Through the tank portable tank storage tunnel	1	MTL
40-21-1000			4" tank to pump connection	1	MTL
40-22-1000			3" 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	3	MTL
40-23-1070			3" direct fill connection	1	MTL
40-30-0400			3" plug in sump box	1	MTL
40-30-1100			Water Fill Box middle left side	1	MTL
40-31-45AA	U		10" Newton Dump, Painted Steel, Electric	3	
40-31-50AA	U		Newton dump - 18" telechute, painted steel, electric	3	
40-31-55AA	U		Switch for dump and chute - located in cab and at dump	3	
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	U		Price Adjustment	1	
50-11-1450	S		Federal PA300 200 watt siren	1	MTL
50-11-1620	U		Price Adjustment	1	
50-11-1620	S		Siren speaker, 100 watt, in front bumper	2	MTL
50-11-2600			Siren to be accessible to driver and officer	1	MTL
50-11-5810		>	Federal JetSOLARIS 5401 LED light bar all red	1	MTL
50-11-8001		>	Rear beacons not required	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
50-12-5120			Rear LED flashers (pr)-red Federal QL97XF-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
50-12-5320			Body side warning lights (pr)-red LED Federal QL97XF-R	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	S		Step lights for body steps - 4" LED	1	MTL
50-21-8201	S		Step lights for chassis steps - LED marker type	1	MTL
50-21-8600			LED clearance lts and reflectors	1	MTL
50-22-0750			Whelan 64 LED CAST 4V tail/brake-turn-backup-warning module (pr)	1	MTL
50-31-6006		>	Scene lights (pr) - Federal QL97 LED	3	MTL
50-31-6011			Scene light boxes not required	3	MTL
50-31-6550	S		Ground lighting (LED Lumabar) - 2 door chassis	1	MTL
50-31-6570	S		Ground lighting (LED Lumabar) - side mount body	1	MTL
50-35-0560			VHF antenna with base - commercial chassis	1	MTL
50-99-05AA	U		Dump chute camera (3)	1	
50-99-10AA	U		Code 3 HIDE-A-BLAST lights (LED) in headlights (pr)	1	
50-99-15AA	U		Whelen TA1652L - LED Traffic Advisor	1	
50-99-20AA	U		Hose bed lights	1	
50-99-25AA	U		Lumabar LED lighting for rear access ladder	1	
			BODY	1	MTL
60-10-1600			Tandem 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
60-10-5430		>	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

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-11-0500		>	Front right side compartment to top of wheel well	1	MTL
60-11-1700			<b>No rear left side compartments</b>	1	MTL
60-11-1800			<b>No rear right side compartments</b>	1	MTL
60-11-3100			<b>No rear compartment</b> <span style="float: right;"><b>E</b></span>	1	MTL
60-11-5500			<b>Rollup door - standard height</b>	2	MTL
60-31-4100			Extruded aluminum handrails	1	MTL
60-31-5000			<b>Zico access Ladder at rear of unit</b>	1	MTL
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8000			<b>BA bottle compt (ea)-fender well</b>	4	MTL
60-31-8400	S		<b>Fixed vertical partition</b>	1	MTL
60-31-8700		>	<b>Sliding tray (ea) - 400 pound capacity with gas strut</b>	1	MTL
60-31-9600	S	< >	<b>Adjustable shelf (ea)</b>	2	MTL
			Change Order D - the vertical partition to be moved to allow for the customer's traffic sign storage - the sign is 39" long, so the from the partition to the rear side wall to be approx 40".		
			Fabricate two new shelves to replace the current ones to fit as required.		
60-31-97AA	U		<b>Fabricate shelf - to be shipped loose</b>	1	
60-32-3550			<b>Two adjustable hose divider (each)</b>	1	MTL
60-32-7500			<b>Hose bed - aluminum</b>	1	MTL
60-33-0000	S		<b>Paint exterior - Imron Elite</b>	1	MTL
60-33-0200			Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600	S		<b>Chassis wheels not painted - aluminum wheels</b>	1	MTL
60-33-1500			Buffed finish compartment interior	1	MTL
60-33-2200	S		<b>Lettering - 80 letters up to 3" tall - 3 colour</b>	1	MTL
60-33-3000			<b>Reflective stripe - 4" white</b>	1	MTL
60-33-3310			<b>Reflective stripe - red and yellow chevron at rear</b>	1	MTL
60-33-3500	S	<	<b>Tarp over hose bed - black</b>	1	MTL
			Customer request that tarp be as follows:		
			a. Metal strip on front wall		
			b. Velcro along sides of hose bed		
			c. Rear flap with Velcro straps and footman loops		
60-33-4700			<b>No crosslay preconnects on vehicle</b>	1	MTL
			<b>E</b>		
60-40-5500			<b>Suction hose tube (each) with door</b>	4	MTL
60-40-9500		>	<b>Tube for portable tank storage, with rear door</b>	1	MTL
60-41-1015			<b>Pike Pole tube in suction hose tube</b>	2	MTL
60-99-05AA	U		<b>Backboard and Traffic sign storage in hose bed</b>	1	
			INSTRUMENTATION	1	MTL
70-11-0000	S		<b>Warning Label at Pump Operator's location</b>	1	MTL
70-20-3500	S		<b>Electric water level gauge, Class One - mounted on rear of body</b>	1	MTL
70-21-5500	S		<b>Readout for Battery Conditioner</b>	1	MTL
			ACCESSORIES	1	MTL
80-13-05AA	U		<b>Rubber Mallet with mounting bracket</b>	1	
80-13-1100			<b>Hose wrenches (triple) with holder</b>	1	MTL
80-19-0500	S		<b>Large folding wheel chock - aluminum (ea)</b>	2	MTL
80-19-0600		>	<b>Horizontal bracket for folding wheel chock (ea)</b>	2	MTL