



Shop Order

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

Corporation of the Township of Central Frontenac

Exp. Date: 08/12/2019
Quote No: 10285-0045
Job/Order No: 21230
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

08/31/2021

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PART NO	S	DESCRIPTION	QTY	ID
	S	== Metalfab Tanker - ULC 05/13 - 0.000 ==	1	MTL
	S	Change Order N	1	MTL
00-05-0020		Dealer - Carrier Centers Emergency Vehicles - Rod	1	MTL
00-10-1520	U	Metalfab Tanker - Ontario Unit	1	
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		Polypropylene Tank Lifetime Warranty	1	MTL
00-20-2100	S	Plant Inspection Visits - Costs covered by CCEV	1	MTL
		Visits are as follows;		
		Pre-delivery only as advised by Rod Harris by e-mail on 04.28.2020		
		Dates and details shall be co-coordinated with CCEV		
00-20-3000	S	No Bonding Requested	1	MTL
00-20-3500		Certification for Fusion Welding of Aluminum	1	MTL
00-20-4000	S	Quality System registered to ISO 9001:2015	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 1901-2016 Compliance E	1	MTL
		Include applicable NFPA warning labels		
10-11-1700	S	> ULC Testing - Pumper - Metric units of measure	1	MTL
		ENG. NOTE:		
		Note in the shop note if the Fire Department wishes to witness the test		
		The test will be for a Pumper and will be tested at 5000 LPM as requested by Rod Harris by e-mail on 04.06.2021		
10-11-2100	S	Maximum length - 30' preferred - can go to 33'	1	MTL
10-11-2200	S	Maximum height - 11'	1	MTL
10-11-2400		Overall length is 30' or more	1	MTL
10-11-2500		General Construction	1	MTL
10-11-3000	S	Manuals - two copies	1	MTL
		***Two copies of manuals are required.		
		Chassis manuals are those supplied by the chassis manufacturer.		
		A weight certificate shall be furnished at the time of delivery indicating the weights on the front axle, rear axle and total weight for the completed apparatus, with water tank full, but without personnel, equipment or hose.		
10-11-3600	S	> Delivery - FOB Fire Department - by CCEV	1	MTL
		ENG. NOTE:		
		Note in the shop note if more than 4 hours of training is required		
10-11-37AA	U	Orientation Video	1	
		There will be orientation videos supplied with the completed unit as requested by Rod		

PART NO	S	DESCRIPTION	QTY	ID
		Harris by e-mail on 03.22.2021		
10-11-4200	S	Payment Terms - Chassis net 10 days, Body COD There will be a discount for paying the chassis when it arrives at Metalfab.	1	MTL
10-20-1200		Hose bed capacity - standard ULC Tanker	1	MTL
10-20-2200		Equipment carrying capacity - standard ULC Tanker This vehicle is designed to carry the standard ULC miscellaneous equipment load of 1000 pounds for a Tanker.	1	MTL
		CHASSIS INFORMATION		
20-11-1000	S	Chassis supplied by Metalfab - International HV607 two door Tandem 64,000 lb GVWR 18,000 lb front axle 46,000 lb rear axle, Total weight of apparatus, including equipment, to be within 90% of GVWR 219" wheelbase, 151.90" cab to axle Cummins L9 380 hp @ 2000 rpm, 2200 governed rpm 1150 lb-ft torque @ 1400 rpm Allison 3000 EVS automatic transmission, 5 speed Jacobs C-brake with stop light option (included) 325 amp alternator 189 litre fuel tank, LH Diamond logic with switch packs Flashing headlights Frame and components painted black as approved by Rod Harris by e-mail on 01.23.2020 Single tone paint red - to match VIN 1HTMSA2R9CJ590185 Paint spray outs to be supplied for Customer sign off - NAV 2810 E-One Custom was approved by Rod Harris by e-mail on 03.11.2020 Rear suspension is air type - Customer to confirm As confirmed by Rod Harris by e-mail on 05.06.2020 Auxiliary air tank supplied by Metalfab 30-51-7720 Sun visor and block heater were deleted as requested by Rod Harris by e-mail on 01.23.2020 Power door locks will be defeated by chassis dealer prior to delivery to Metalfab as requested by Rod Harris by e-mail on 01.23.2020	1 1	MTL MTL
20-11-1500		2013 Emission chassis modifications	1	MTL
20-11-1710	U	Chassis Motor Vehicle Inspection required - by CCEV	1	
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
20-21-1520		Helmet warning label - do not wear helmet	1	MTL
20-21-1570		LED Tire Pressure Indicators - Tandem Axle	1	MTL
20-21-1600		Apparatus Information Label An information label is provided in the chassis cab, visible to the driver, stating: "When manufactured, this vehicle was: ** m high ** m long ** kg GVW Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"	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
20-21-3800		Front mudflaps	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	S	Alum tread fuel tank trim, Conv - 2 door Vertical trim only, OEM cab steps remain The gap between the driver side step and the pump house will be filled in for firefighter safety as requested by Rod Harris by e-mail on 06.08.2020	1	MTL
20-31-1900	S	Chassis cab painted single tone by chassis OEM Red - NAV2810 E-One Custom as approved by Rod Harris by e-mail on	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		01.23.2020		
20-31-7500	S	Console in cab Install Siren (50-11-1400) and Radio Cutout (50-35-0500) in console that measures 140mm x 40mm x 170mm as advised by Rod Harris by e-mail on 04.28.2020. Storage area with hinged cover and lift and turn latch provided at rear of console (storage bin 12" W X 16-3/4"L X 9-1/2"). Gray Zolatone finish. Console layout was approved by Rod Harris by e-mail on 01.15.2021	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 Engineering to specify exhaust pipe material as required by the chassis manufacturer. Engineering to sign off on the exhaust configuration to make sure it meets the chassis manufacturer's emission specifications.	1	MTL
20-41-1801		Battery boost terminals not required - batteries accessible	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
20-41-5010	S	Rear Tow Hooks - through rear of body *** Flat bar tow hooks through rear of body with stainless steel trim and rubber gasket around the body opening. As requested by Rod Harris by e-mail on 11.05.2019	1	MTL
20-41-5500	S	ON SPOT Automatic traction chains There will be a set of On-Spot chains supplied and installed on the front rear axle as requested by Rod Harris by e-mail on 06.23.2020. The control switch will be installed on the chassis dash as requested by Rod Harris by e-mail on 12.21.2020.	1	MTL
20-51-0700		Master Battery Disconnect included with 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 Located in drivers door step area.	1	MTL
20-51-6200	S	> 120 volt 20 A shore line connection in chassis cab ENG. NOTE: Requires 20-51-75 120 volt auto eject or 20-51-80 120 volt inlet Standard 5-20R duplex receptacle in chassis cab, not fused One on console 20-31-7500 as requested by Rod Harris by e-mail on 12.22.2020 One in the L1 compartment as requested by Rod Harris by e-mail on 01.03.2020 Outlets are minimum 12" from floor level	2	MTL
20-51-6510	S	Kussmaul Autocharge 35/10 battery conditioner w/battery saver Located in behind the console/seat in cab and hardwired as approved by Rod Harris by e-mail on 12.22.2020.	1	MTL
20-51-7101	S	Electric System Management - Diamond Logic	1	MTL
20-51-7500		Super Auto eject for 120 v - 20 A with sealed enclosure Located in drivers door step area.	1	MTL
20-51-8510	S	Engine compartment light LED Switched when park brake is set.	1	MTL
20-51-9110	S	Air horns on front hood, chassis OEM switch controlled Two air horns, including snow shields, are mounted on the front hood. These are operated by switches (lanyard and momentary switch on dash) provided with the chassis. Exact location was determined by Rod Harris by e-mail on 05.06.2020.	1	MTL
20-52-3000		> Chassis steering wheel lined up by others ENG. NOTE:	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Required for all chassis except Freightliner, Sterling, Spartan		
20-52-3600	U	Groeneveld Automatic greasing system An Automatic Greasing System for all chassis lubrication points including brake clevis pins with a display on the dash will be supplied and installed. SOPT #506a (truck specific). Location on frame rail behind right side of pump panel.	1	
20-52-4000	S	Rear View Camera system Rearview Systems STM5600 with 5.6" colour monitor in cab as requested by Rod Harris by e-mail on 01.03.2020	1	MTL
20-60-0400		Chassis wheelbase does not change	1	MTL
20-90-1800	U	Front License plate provision There will be a hinged license plate provision supplied and installed under the front center of the bumper to meet Ontario regulation.	1	
		PUMP AND PLUMBING	1	MTL
30-11-3002	S	> Waterous CXVPA PTO driven pump - 5000 LPM ENG. NOTE: Use LS PTO	1	MTL
		Tested to 5000 LPM as listed in Metalfab tender response		
30-15-0304		Plumbing - non manifold pump SM SS E	1	MTL
30-20-0500		Valves and controls - side mount panel	1	MTL
30-20-1002		Akron valves specified	1	MTL
30-20-1620		Piping stainless steel - non manifold Pumper	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	S	Anodes in suction and discharge piping - non manifold pump Install one anode on discharge side of pump, one anode on suction side of pump - do not use teflon tape or thread sealant. Paint flange silver and mask brass anode before painting for visibility. As requested by Rod Harris by e-mail on 11.05.2019	1	MTL
30-20-25AA	U	Price Adjustment	1	
30-21-5520	S	Tank to Pump SS 3" w/ check valve non manifold pump The tank to pump valve will be a 3" valve with manual pull control as requested by Rod Harris by e-mail on 02.14.2020	1	MTL
30-22-2020		Tank Fill valve 3" SS	1	MTL
30-31-4020	S	Suction - 6" not gated each side SS non manifold pump 6" header The suction ports will be 6" non gated as requested by Rod Harris by e-mail on 11.05.2019 and as listed on Metalfab tender response	1	MTL
30-31-51AA	U	Suction - 4" SS piping to rear - handwheel control - 4" Storz connection Inlet located on rear left under dump line level. 4" Storz connection (straight), with bleeder valve.	1	
30-31-7220		Butterfly valve handwheel control remote indicator light closed only Hand wheel for the 4" rear suction - located on left side pump operator's panel.	1	MTL
30-32-7550		Suction - 2-1/2" left side SS, bleeder, non manifold pump Lever control at valve	1	MTL
30-40-2026	U	4" right discharge, plumbed 3", SS non manifold pump, bleeder 4" Storz connection with 30 degree droop	1	
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	1	MTL
30-43-1520	S	2-1/2" rear discharge SS, plumbed 2-1/2", bleeder There will be a rear right side discharge as listed in the Metalfab tender response and to meet the 1050 IGPM pump rating *** Right Side	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
30-44-0520	S	1-1/2" crosslay (each) SS, 2" valve, bleeder Capacity for 60m x 38mm hose plus nozzle in each lay. Two forward hose lays Divider to be adjustable. Auto drain requested. The transverse hose bed is equipped with stainless steel rollers on each end.	2	MTL
30-44-3520	S	2-1/2" crosslay SS, plumbed 2-1/2", bleeder Capacity for 60m x 65mm hose plus nozzle in lay. Rearward hose lay. Divider to be adjustable. Auto drain requested. The transverse hose bed is equipped with stainless steel rollers on each end.	1	MTL
30-51-0400		Pump shift - PTO Pump and Roll ***Includes "Pump Engaged" indicator lights in cab and on the pump panel ***Includes "Throttle Ready" indicator light on Pump operating panel Includes indicator light showing "OK TO PUMP" when transmission is in neutral, park brake is set, and PTO control energized. The remote electronic throttle will be energized in this mode. Includes indicator light showing "OK TO PUMP AND ROLL" when the transmission is not in neutral, the park brake is not set, and the PTO control is energized. The remote electronic throttle will not be energized in this mode.	1	MTL
30-51-1500		Power shift PTO - Automatic transmission	1	MTL
30-51-1501	>	PTO driveshaft E ENG. NOTE: Quantity of 2 for pumps mounted on 4 door cabs due to length	1	MTL
30-51-6640	S	Class One "TPG Plus" Governor/Throttle The unit will be programmed in PSI as requested by Rod Harris by e-mail on 11.05.2019	1	MTL
30-51-7002		Suction side relief V/V, non manifold pump One for the main pump and one for the rear suction.	2	MTL
30-51-7712		Trident Air Primer 3 barrel 2 location Location #1 - main pump Location #2 - rear inlet pre-prime	1	MTL
30-51-7720		Additional air tank for air primer system An additional air tank, including protection valve, plumbed between the air tank and primer components, is provided to improve air primer capacity - by Metalfab unless it can be ordered with the chassis.	1	MTL
30-51-8100		Heat exchanger included with chassis	1	MTL
30-51-8500	S	Pump cooler with control valve, check valve There will be a pump cooler supplied and installed as requested by Rod Harris by e-mail on 11.05.2019	1	MTL
30-52-1000		Master drain V/V, 12 port	1	MTL
30-52-3001		Foam system not requested E	1	MTL
		WATER AND FOAM TANKS	1	MTL
40-11-2100		Polypropylene water tank (Imperial gallons)	1	MTL
40-11-2200		Water tank capacity certification (tank manufacturer)	1	MTL
40-11-7500		Tank capacity 2500 Imperial Gallons	1	MTL
40-21-1000	S	4" tank to pump connection	1	MTL
40-22-1500		3" tank fill connection	1	MTL
40-23-0500		1" water level gauge connection	1	MTL
40-23-1050	U	Price Adjustment	2	
40-23-1050	S	4" Fireman's Friend connection There will be one direct fill only on the left side of the body as advised by Rod Harris by e-mail on 06.08.2020	1	MTL
40-23-1060		10" Newton dump connection	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
40-30-0500		Sump drain valve (3" gate valve) with linkage E	1	MTL
40-30-1100		Water Fill Box middle left side	1	MTL
40-31-3500		10" rear Newton dump, stainless steel	1	MTL
40-31-3600		Newton dump - stainless steel 36" telechute	1	MTL
40-31-5500		Electric operator for Newton dump, top mount	2	MTL
40-31-5610	U	Stainless steel swivel chump chute - rotating with lock	1	
40-31-9000	U	Price Adjustment	2	
40-31-9000	S	4" Storz rear fill, Fireman's Friend, bleeder, 4" Storz conn w/30 degree droop	1	MTL
		Connection to be as low as possible. Extend out so when hose is attached it will clear dump chute when in stowed position. Mounted on left side of the body as advised by Rod Harris by e-mail on 06.08.2020		
		ELECTRICAL		
50-11-0450		Base electrical system - International Diamond Logic multiplex	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
		As required by ULC and NFPA standards		
50-11-0900	S	Rocker switch panel with master warning switch	1	MTL
		Rocker switches to be International switches in the chassis dash as approved by Rod Harris by e-mail on 12.21.2020		
		Includes PTO pump shift (30-51-1500) and Pump and Roll indicator lights (30-51-0400)		
		***Rocker switch assignments:		
		MASTER		
		-LIGHT BAR RED		
		-LIGHT BAR CLEAR		
		-REAR BEACONS		
		-FLASHING WARNING		
		-LEFT SCENE		
		-REAR SCENE		
		-RIGHT SCENE		
		-REAR FLOODS		
		-On-spot chains (20-41-5500) with guard		
50-11-1400	S	Federal PA300 100 watt siren	1	MTL
		The siren will be installed in the center console 20-31-7500 as requested by Rod Harris by e-mail on 11.05.2019		
50-11-1620		> Siren speaker, 100 watt, in front bumper	1	MTL
		ENG. NOTE:		
		AS124 speaker 1570860		
50-11-2600		Siren to be accessible to driver and officer	1	MTL
50-11-3500	S	Horn ring transfer switch	1	MTL
		Operated using Diamond logic.		
		To switch horn button on steering wheel between horn and horn/ air horn.		
50-11-5900	S	Federal LED light bar LPX53DS-NFPA	1	MTL
		The light package will change to Federal and include a LPX53DS-NFPA light bar as requested by Rod Harris by e-mail on 11.05.2019		
50-11-6501	S	Rear Directional Light not requested	1	MTL
50-11-9010	S	Rear beacons-Federal Micro Escape LED (pr) - both red	1	MTL
		There will be a pair of rear beacons supplied and installed on the rear of the unit as requested by Rod Harris by e-mail on 11.05.2019		
50-12-5020	S	Front LED flashers (pr)-red Federal QL64 Red / Blue	1	MTL
		There will be a pair of QL64 LED flashers supplied and installed on the front grill as requested by Rod Harris by e-mail on 11.05.2019		
		Right side blue and left side red as requested 02.14.2020		
50-12-5110	S	Rear LED flashers (pr)-red Federal QL64 Red/Blue	1	MTL
		There will be a pair of QL64 LED flashers supplied and installed on the rear of the		

PART NO	S	DESCRIPTION	QTY	ID
		body as requested by Rod Harris by e-mail on 11.05.2019 Right side blue and left side red as requested 02.14.2020		
50-12-5210	S	Front side inter lts (pr)-red LED Federal QL64XF-R There will be a pair of QL64 LED flashers supplied and installed on the side of the hood as requested by Rod Harris by e-mail on 11.05.2019	1	MTL
50-12-5310	S	Body side inter lts (pr)-red LED Federal QL64XF-R There will be a pair of QL64 LED flashers supplied and installed on the rear fender well as requested by Rod Harris by e-mail on 11.05.2019	1	MTL
50-21-1505	U	Unity LED Rear Floods (pr) Switched in cab and on light head To activate when transmission is placed in reverse gear These lights cannot be shed as they are required for ULC	1	
50-21-5110		Compartment lighting - LED tube lights in each compartment (flush doors) E	1	MTL
50-21-5500		Door Ajar warning light Indicator light in dash as supplied with chassis (Diamond Logic) Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL
50-21-5550		Equipment rack not stowed warning light Indicator light in dash as supplied with chassis (Diamond Logic) Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL
50-21-8001		Step lights for body steps - 4" LED Switched when park brake is set.	1	MTL
50-21-8200	S	Step lights for chassis steps - LED Switched when park brake is set. The lights shall be installed so it isn't a trip hazard as requested by Rod Harris by e-mail on 02.22.2021	1	MTL
50-21-8600		LED clearance lts and reflectors	1	MTL
50-21-8800		LED intermediate turn signal/clearance/reflector length >30'	1	MTL
50-22-0700	S	Whelen 64 LED tail/brake-turn-backup module (pr) Includes the Tecniq tail/brake/signal module in rear facing rubrail.	1	MTL
50-31-6006	S	> Scene lights (pr) - Federal QL97 LED ENG. NOTE: Specify location There will b three (3) pair of scene lights - a pair on each upper side of the body that are managed to shed and will be switched in the cab and pump panel. There will be a pair on the rear of the unit that will not shed, will be controlled from the cab and pump panel along with interlocked with the reverse of the transmission. As requested by Rod Harris by e-mail on 11.05.2019	3	MTL
50-31-6021	U	Price Adjustment	1	
50-31-6550		Ground lighting (LED Lumabar) - 2 door chassis Switched when park brake is set.	1	MTL
50-31-6570		Ground lighting (LED Lumabar) - side mount body Switched when park brake is set.	1	MTL
50-31-65AA	U	Hose bed lighting - LED at front Switched when park brake is set.	1	
50-35-0599	U	Install customer supplied antenna base Install Carrier supplied antenna base behind the light bar centered left to right as requested by Rod Harris e-mail of 07.15.2020. Antenna arrived at Metalfab on 07.20.2020	1	

PART NO	S	DESCRIPTION	QTY	ID
		BODY		
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 E	1	MTL
60-10-4700		Integral aluminum fender trim	1	MTL
60-10-5400		> Diamondback pumphouse steps	1	MTL
		ENG. NOTE: Maximum height of step is 24" from ground		
60-10-5430		> Diamondback 19" rear step	1	MTL
		ENG. NOTE: Maximum height of rear step is 24" from ground		
60-10-6500	S	Bolt on extruded aluminum rub rail Reflective red and white stripe requested by Rod Harris by e-mail on 11.05.2019 - see 60-10-6599	1	MTL
60-10-6599	U	Red and white reflective stripe in the rub rail 60-10-6500 There will be red and white reflective striping supplied and installed in the rub rail (60-10-6500) as requested by Rod Harris by e-mail on 11.05.2019	1	
60-11-0100		> Front left side compartment to top of wheel well	1	MTL
		ENG. NOTE: Specify critical dimensions in shop note		
60-11-0700	S	> Front right side compartments full height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
		The front right side compartment will change to Full height as requested by Rod Harris by e-mail on 01.03.2020		
60-11-0800		> Rear left side compartment to top of wheel well	1	MTL
		ENG. NOTE: Specify critical dimensions in shop note		
60-11-1100		> Rear right side compartment to top of wheel well	1	MTL
		ENG. NOTE: Specify critical dimensions in shop note		
60-11-3100		No rear compartment E	1	MTL
60-11-5500	S	Rollup door - standard height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point The doors will be rollup as requested by Rod Harris by e-mail on 11.05.2019 To be on the LS of the body	2	MTL
60-11-5500	S	Rollup door - standard height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point The doors will be a rollup as requested by Rod Harris by e-mail on 11.05.2019 Door will be on R2 compartment.	1	MTL
60-11-5520	S	Rollup door - full height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point The doors will be a rollup as requested by Rod Harris by e-mail on 11.05.2019 Door will be on R1 compartment.	1	MTL
60-11-5660	U	Amdor HD Flex strap - R1 compartment There will be an Amdor Flex strap supplied and installed on the R1 compartment door due to it's height from the ground.	1	

PART NO	S	DESCRIPTION	QTY	ID
60-31-4100		Extruded aluminum handrails Minimum 2" clearance from handrail to any surface	1	MTL
60-31-5000		Zico access Ladder at rear of unit Minimum 7" clearance between rung and any obstruction. Switch required wired to the equipment not stowed warning light in cab.	1	MTL
60-31-5600		Steps and grab handles at front of body next to pump panel Steps and handles as required. Maximum height between steps is 18"	1	MTL
60-31-6500	S	Compartment matting - interlocking plastic tile	1	MTL
60-31-8006	U	BA bottle compt (ea)-fender well Includes retaining loop. Customer to specify; Make and model of cylinder to be stored - MSA G1 Overall length of cylinder - 23" Diameter of cylinder - 7" Photo of cylinder valve/cap (to ensure retaining loop size will fit) located in: F/Data/Jacques/Current Projects/Central Frontnac/SCBA bottle pic As confirmed by Rod Harris by e-mail on 05.06.2020	4	
60-31-8400	S	Fixed vertical partition There will be a vertical partition that will be mounted in the pull out tray 60-31-8700 to hold two (2) SCBA brackets. As requested by Rod Harris by e-mail on 11.05.2019	1	MTL
60-31-8700	S	> Sliding tray (ea) - 400 pound capacity with gas strut ENG. NOTE: Specify location Hold open/hold close devise - gas strut requested White reflective stripe is applied on the exposed edge for visibility when the compartment door is open. Customer to specify location of tray - R1 compartment as advised by Rod Harris by e-mail on 05.06.2020	1	MTL
60-31-9600		> Adjustable shelf (ea) ENG. NOTE: Specify location White reflective stripe is applied on the exposed edge for visibility when the compartment door is open. One shelf in each compartment.	4	MTL
60-32-3550	S	One short fixed hose divider (each) Hand hold required in end. The divider will be approximately 120" long and will be installed fixed beside the water fill tower A front partition (60-32-3551) will be included to support the divider from the left side of the hose bed. As requested by Rod Harris by e-mail on 04.07.2021	1	MTL
60-32-3551	U	Fixed partition for hose bed divider There will be a fixed divider between the left side of the hose bed to the hose bed divider (60-32-3550) to protect the water fill tower. As requested by Rod Harris by e-mail on 04.07.2021	1	
60-32-7500		Hose bed - aluminum	1	MTL
60-33-0000		Paint exterior - Imron Elite *** Paint code and colour - red to match the red on cab	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600		Chassis wheels not painted Polished aluminum wheels supplied with chassis	1	MTL
60-33-1000		Paint pump and plumbing job colour	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-33-1600		Special paint compartment interior - gray zolatone E	1	MTL
60-33-2000	S	Lettering - no lettering provided The lettering will be deleted as requested by Rod Harris by e-mail on 02.03.2021	1	MTL
60-33-32AA	U	Reflective Stripe - 1" Gold - 4" white - 1" Gold on bottom 50% of perimeter each side and 25% of perimeter front 3M Scotchlite material The top line will be 1" Gold, the middle will be 4" white and bottom will be 1" Gold and will be in a "hockey stick" design on the front body compartment As advised by Rod Harris by e-mail on 02.03.2021	1	
60-33-3310		Reflective stripe - red and yellow chevron at rear 50% of perimeter each side and 25% of perimeter front Printed 3M Scotchlite material	1	MTL
60-33-3500	S	Tarp over hose bed - black The hosebed cover will be provided and secured to top body flanges by quarter turn snaps at front of hosebed and Velcro on each side edge of the cover. A weighted flap will be furnished at the front of the cover, and Velcro straps will be provided on the rear of the cover to tie around footman's loops. Color to be black. The existing hose bed tarp will be shipped loose with the completed unit as requested by Rod Harris by e-mail on 04.06.2021	1	MTL
60-33-3501	U	Full lenght tarp over hose bed - black There will be a full lenght hose bed tarp supplied and installed that will cover the entire hose bed. It will have 1/4 turn snaps at each corner, velcro strips on the front of the hose bed and each side and velcro straps at the back of the tarp to attach to footman loops on the back of the body. As requested by Rod Harris by e-mail on 04.06.2021	1	
60-33-3600		Reflective stripe - inside entry doors 96 square inches minimum inside each cab entry door	1	MTL
60-33-4600	S	Aluminum cover over crosslays - with end tarps (black) The end tarps will be restrained by shock cords at each end as requested by Rod Harris by e-mail on 11.05.2019	1	MTL
60-40-5500	S	Suction hose tube (each) with door There will be suction hose tubes accessible from the rear of the unit under the "T" of the tank in completely enclosed tubes that will have a door ajar switch on the door(s). As requested by Rod Harris by e-mail on 11.05.2019	2	MTL
60-41-6001		> Zico hydraulic portable tank rack ENG. NOTE: Specify mounting location desired. If Portable tank is customer supplied, specify overall dimensions when the tank is in stored position Located on left side - for the storage of the 2500 Imperial gallon portable tank 80-15-1005. 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.	1	MTL
60-41-6010		ZICO PTS switched at rear above tail light Switch is located on same side as electric rack - left side.	1	MTL
60-41-6110		Painted plate on exterior of Zico PTS	1	MTL
60-41-7100		Tread plate on body behind porta tank rack	1	MTL
60-41-7510	S	> Drop down ladder rack - 3 section, roof - manual operation ENG. NOTE: Specify mounting location desired. If ladder(s) are customer supplied, specify overall length and width, width between side rails, rung spacing; also specify ladder brand and model There will be a manual fold down ladder rack supplied and installed on the right side of	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		the body to hold a customer supplied Alco Lite 3-section 24' ladder. As requested by Rod Harris by e-mail on 04.06.2021		
60-41-76AA	U	Roof ladder storage in hose bed with restraint There will be a storage space in the right side of the hose bed for a customer supplied 14' roof Alco-Lite ladder and it will have a restraint strap to keep the ladder in place. As requested by Rod Harris by e-mail on 04.06.2021	1	
60-99-20AA	U	Price Adjustment	1	
		INSTRUMENTATION		
70-11-0000		Warning Label on Pump Operator's Panel	1	MTL
70-11-0500		Side mount instrument panel	1	MTL
		No gauge or visual display can be higher than 84" above the operator's standing position Midpoint of any control cannot be higher than 72" above the operator's standing position		
70-11-1500	S	Stainless steel instrument panels No gauge or visual display can be higher than 84" above the operator's standing position Midpoint of any control cannot be higher than 72" above the operator's standing position ***Area of pump panels around suction inlets shall have panels held with latches that will allow the panels to be quickly removed for pump servicing. Customer is aware that droops will have to be removed as per Rod Harris's e-mail on 12.21.2020	1	MTL
70-11-3200	S	Colour coded tags Tags and labels to be Metric units of measure as per line item 165 in the tender Include washing instructions to wash the truck on the back of the first compartment door on driver side. Information on label in L1 compartment to contain: · Use non-abrasive, neutral PH (non acidic or alkaline) detergent. Do not use solvent-based solutions for washing large areas. · Avoid high pressure too close to areas that have stone chips visible · Do not wash using extremely hot water, while the surface is hot or in the hot sun · Avoid washing with stiff bristles. Soft cloth and felt brushes are recommended. · Ensure the wash brush is completely clean and free of any debris, grit or other contaminants that could result in scratches. · Do not allow spilled gasoline, oil, anti-freeze, hydraulic fluid, foam or washer fluid to stand on the paint. Remove immediately by rinsing with water The label is to be printed on a durable material that will not wash off. As approved by Rod Harris by e-mail on 05.08.2020	1	MTL
70-11-4100		Stainless steel side panel hood left side	1	MTL
70-11-4711	U	Diamondback grip type panel hood step right side Include yellow reflective tape around perimeter as per NFPA.	1	
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 No opening dimension less than 18"	1	MTL
70-11-7500		Heat pan-aluminum	1	MTL
70-11-8000		Heater in pump compartment	1	MTL
70-20-1120	U	4-1/2" compound gauge - dual face 0-400 To be within 8" of each other - edge to edge	2	
70-20-2131	U	2-1/2" pressure gauge - dual face 0-400 Gauges to be no more than 6" from the edge of the gauge to the center of the control. Added a 7th gauge for the additional rear discharge 30-43-1520 to match the tender response from Metalfab	7	
70-20-2500	S	Primer control - Trident	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
70-20-2501	S	Additional Primer control - Trident	1	MTL
70-20-3100	S	Class One Governor Control Throttle can be no lower than 42" and no higher than 72" from operator's standing position. The unit will be programmed in PSI as requested by Rod Harris by e-mail on 11.05.2019	1	MTL
70-20-3500		Electric water level gauge on pump panel, Class One	1	MTL
70-20-36AA	U	Price Adjustment	1	
70-20-6500		Test gauge panel Mount below the compound gauges for proper draining	1	MTL
70-20-7500		Heat exchanger control valve	1	MTL
70-20-7600	S	Pump cooler control valve There will be a pump cooler control valve supplied and installed as requested by Rod Harris by e-mail on 11.05.2019	1	MTL
70-21-2100		> PTO Hourmeter ENG. NOTE: Specify location in shop note	1	MTL
70-21-5500	S	Readout for Battery Conditioner Located in drivers door step area.	1	MTL
70-99-05AA	U	Price Adjustment	1	
70-99-05BB	U	Whelen PSTank leve gauge on rear of body only There will be a Whelen PSTank water level gauge supplied and installed on the rear of the body as requested by Rod Harris by e-mail on 11.05.2019 The lights will only be active when the park brake is applied - as requested by Rod Harris by e-mail on 02.22.2021	1	
ACCESSORIES				
80-13-1200	S	Clare hose wrenches (double) with holder To be shipped loose with mounting fasteners as advised by Rod Harris by e-mail on 04.28.2020.	2	MTL
80-14-9000	S	Attic ladder bracket (Zico) There will be an attic ladder bracket supplied and installed on the RIGHT side of the body for a customer supplied Alco Lite 10' Attic ladder as requested by Rod Harris by e-mail on 04.06.2021. It will be installed on the drop down ladder rack (60-41-7510)	1	MTL
80-15-1005	S	2500 l gallon portable tank - Husky Yellow liner Include 2 additional 10" drain sleeves (for a total of 4). The department requested 12" drains but Husky advised 10" is their standard when the order was placed - as advised by Metalfab purchasing on 06.12.2020 Tank will have handles on bottom to assist with pulling for draining. Portable tank will be stored on the PTS.	1	MTL
80-18-0500	S	SCBA bracket with strap - compt mount There will be two (2) SCBA brackets supplied and installed on the vertical partition 60-31-8400 that will be mounted in the pull out tray 60-31-8700 as instructed by the customer. As requested by Rod Harris by e-mail on 11.05.2019	2	MTL
80-20-5015	U	Zico UHH-1 Helmet holder (ea) mounted Customer to specify mounting location, otherwise will be shipped loose with mounting fasteners.	2	
80-99-10AA	U	6" NH female x 4" Storz adapter w/4" Storz cap Installed on the left and right side intakes Kochek adapter with blind plug Changed to 6" to match pump suction as requested by Rod Harris by e-mail on 11.05.2019 and deleted by error on Change Order A	2	

