



## Shop Order

Carrier Truck Center Inc.  
 O/A Carrier Centers Emergency Vehicles  
 6 Edmondson Street  
 Brantford, ON N3R 7J3

The Corporation of the Town of Gravenhurst  
 Gravenhurst Fire Department  
 190-1 Harvie Street  
 Gravenhurst, ON

**Exp. Date:** 05/18/2018  
**Quote No:** E-Gravenhurst-ON-0031  
**Job/Order No:** 20231  
**BODY:** 00-10-31                      Metalfab Tanker - ULC 05/13

05/09/2019

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PART NO	S	DESCRIPTION	QTY	ID
		<b>== Metalfab Tanker - ULC 05/13 - 0.000 ==</b>	<b>1</b>	<b>MTL</b>
	<b>S</b>	<b>Change Order H</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
00-20-1700		Hale Pump Warranty - 5 years	1	MTL
<b>00-20-1800</b>	<b>S</b>	<b>Polypropylene Tank Lifetime Warranty</b>	<b>1</b>	<b>MTL</b>
<b>00-20-2100</b>	<b>S</b>	<b>Plant Inspection Visit - 1 visit, 2 reps for Pre-delivery - Cost covered by CCEV</b>	<b>1</b>	<b>MTL</b>
<b>00-20-3000</b>	<b>S</b>	<b>No Bonding Requested</b>	<b>1</b>	<b>MTL</b>
00-20-3500		Certification for Fusion Welding of Aluminum	1	MTL
<b>00-20-4000</b>	<b>S</b>	<b>Quality System registered to ISO 9001:2016</b>	<b>1</b>	<b>MTL</b>
00-20-4500		Fire Apparatus Manufacturers' Association Membership	1	MTL
		<b>GENERAL INFORMATION</b>	<b>1</b>	<b>MTL</b>
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>10-11-1101</b>	<b>S</b>	<b>ULC S515-13 and NFPA 1901-2016 Compliance E</b>	<b>1</b>	<b>MTL</b>
		Include the following to comply with NFPA 1901-2016		
		Any verbiage to be bilingual (English/French)		
		**Safety signs with text to meet Section 4.9.4		
		**Brake lights to operate with the engine auxiliary brake (Section 12.3.1.4.3).		
		**Safety delineation for standing and walking surfaces to meet Section 15.7.1.6		
		**Hose restraint safety signs at each hose storage area to meet Section 15.10.6		
10-11-1600		> ULC Testing - Tanker	1	MTL
		<b>ENG. NOTE:</b>		
		Note in the shop note if the Fire Department wishes to witness the test		
<b>10-11-2100</b>	<b>S</b>	<b>Maximum length - 25' 10" (310")</b>	<b>1</b>	<b>MTL</b>
		The maximum length shall be 25'-10" (310")		
10-11-2200		Maximum height not specified E	1	MTL
10-11-2300		Overall length is less than 30'	1	MTL
10-11-2500		General Construction	1	MTL
<b>10-11-2600</b>	<b>S</b>	<b>Preconstruction Meeting - Location TBD - Costs covered by CCEV</b>	<b>1</b>	<b>MTL</b>
<b>10-11-3000</b>		<b>Manuals - two copies</b>	<b>1</b>	<b>MTL</b>
		***Two copies of chassis manuals are required.		
		Include a parts list of components installed.		
<b>10-11-35AA</b>	<b>U</b>	<b>Pre-delivery Service - by CCEV</b>	<b>1</b>	
		Immediately prior to delivery, the apparatus shall receive a pre-delivery service in Ontario consisting of:		
		Engine oil and filter change		
		Chassis lubrication		
		Adjustment of engine to manufacturers specifications		
		Complete inspection of all devices and components for proper operation		

PART NO	S	DESCRIPTION	QTY	ID
		Correction of leaks or obvious problems Complete cleaning and detailing.		
10-11-3600	S	> <b>Delivery - FOB Fire Department - by CCEV</b> <b>ENG. NOTE:</b> Note in the shop note if more than 4 hours of training is required	1	MTL
10-11-4300	S	<b>Payment Terms - Chassis and Body NET 30</b>	1	MTL
10-20-1200		Hose bed capacity - standard ULC Tanker	1	MTL
10-20-2200		Equipment carrying capacity - standard ULC Tanker	1	MTL
		<b>CHASSIS INFORMATION</b>	1	MTL
20-11-1000	S	<b>Chassis supplied by Metalfab - Freightliner M2 106 two door</b> 41,600 lb GVW 14,600 lb front axle 27,000 lb rear axle 190" wheelbase 124.45" cab to axle Cummins L9 350 hp @ 2000 rpm, 2200 governed rpm 1000 lb/ft torque @ 1400 rpm 3000 EVS automatic transmission, 275 amp alternator Auxiliary air tank included 189 liter fuel tank, LH ESC, VDR and Seat/seat belt indicator L0006EB white over L3761EB red (corrected the color 01.17.2019 to the proper code) The paint has been approved as per e-mail from Rod Harris 08.21.2018  *****Add to order***** Change from existing auto drains (Code 477-006) to manual drains with pull cords, except for the wet tank, which has to have an auto drain to meet ULC.	1	MTL
20-11-1500		2013 Emission chassis modifications	1	MTL
20-11-1700	S	<b>Chassis Motor Vehicle Inspection required - by Carrier</b>	1	MTL
20-21-0500		<b>Fluid capacity plate</b>	1	MTL
20-21-0600		<b>Pumping test plate</b>	1	MTL
20-21-1000		<b>Maximum riders sign - 2 persons</b>	1	MTL
20-21-1500		<b>Seat belt warning labels - 2 door chassis</b>	1	MTL
20-21-1520		<b>Helmet warning label - do not wear helmet</b>	1	MTL
20-21-1530		<b>Tire Pressure Indicators - Single Axle</b>	1	MTL
20-21-1600		<b>Apparatus Information Label</b> 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	S	<b>Fuel fill label - "CLEAR DIESEL ONLY"</b>	1	MTL
20-31-0500	S	<b>Alum tread fuel tank trim, Conv - 2 door</b> Vertical trim only, OEM cab steps remain. The lower driver side step is to be as close to the pump house step as possible.	1	MTL
20-31-1900	S	<b>Chassis cab painted white over red by the Chassis OEM</b> The paint has been approved as per e-mail from Rod Harris 08.21.2018	1	MTL
20-31-4700	S	> <b>Extend front bumper 10", gravel shield with dry hosewell</b> <b>ENG. NOTE:</b> Note location of preconnect elbow Note special capacity requirements _____  ***10" front bumper extension for dry hose well designed to carry 150' of 38mm hose.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
20-31-7500	S	<b>Console in cab</b> Install switch panel (50-11-0900), siren (50-11-1400), Traffic advisor control (50-11-6615), Stability Dynamic LG Alert module (20-99-05AA), cut out only for Customer radio (which is a Motorola XPR5550 w/ DIN mount), pump PTO shift (30-51-0400) in console and PTO hour meter (70-21-2100). Storage area with hinged cover and lift and turn latch provided at rear of console. Gray Zolatone finish	1	MTL
20-41-0600	S	<b>Intake air shutoff for engine not requested</b>	1	MTL
20-41-0900		<b>Auxiliary braking system disabled when pumping</b>	1	MTL
20-41-1100		Transmission programming - Allison WT ***Includes "Pump Engaged" light next to pump shift on chassis instrument panel.	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
20-41-1900		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
20-41-5010	S	<b>Rear Tow Hooks - through rear of body</b> *** Flat bar tow hooks through the rear of the body (2)	1	MTL
20-51-0700		<b>Master Battery Disconnect included with chassis</b>	1	MTL
20-51-2500		<b>Back up alarm included with chassis</b>	1	MTL
20-51-3100	S	<b>Air inlet not requested</b>	1	MTL
20-51-3400		Protection valve installed for air operated accessories	1	MTL
20-51-6200		> <b>120 volt 20 A shore line connection in chassis cab</b> <b>ENG. NOTE:</b> 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 for the battery conditioner to plug into. Minimum 12" from floor level.	1	MTL
20-51-6600		<b>Kussmaul Pump Plus conditioner/compressor</b> Battery conditioner will be mounted behind the drivers seat. The compressor will be mounted inside pump compartment easily accessible through the Right side pump access door.	1	MTL
20-51-7101	S	<b>Electric System Management - by multiplex</b>	1	MTL
20-51-7500		<b>Super Auto eject for 120 v - 20 A with sealed enclosure</b> Located in left side cab step area. Minimum 24" from ground.	1	MTL
20-51-8500	S	<b>Engine compartment lighting - LED</b> Switched with park brake	1	MTL
20-51-9001	S	<b>Air horns as supplied with chassis</b> Air horns on cab hood controlled by drivers and passengers foot switches are included with the chassis.	1	MTL
20-52-3500		> <b>Chassis steering wheel lined up by Metalfab E</b> <b>ENG. NOTE:</b> Freightliner, Sterling, and Spartan only	1	MTL
20-52-4000	S	<b>Rear View Camera system</b> Rearview Systems STM5600 with 5.6" colour monitor in cab to be mounted on the face of the dash.	1	MTL
20-60-0400		Chassis wheelbase does not change	1	MTL
20-90-1810	U	<b>Extend air tank moisture ejectors to rubrail and tag</b>	1	
20-99-05AA	U	<b>Stability Dynamics LG Alert - rollover alerting system</b> <b>Stability Dynamics LG - Alert Rollover Warning System</b>	1	

PART NO	S	DESCRIPTION	QTY	ID
		Display to be installed in the console 20-31-7500. See SOPT in file		
20-99-10AA	U	<b>Price Adjustment</b>	1	
20-99-25AA	U	<b>Front bumper guide bars with marker lights</b> There will be a pair of chrome lighted guide bars installed on the front bumper extension. SOPT 462	1	
<b>PUMP AND PLUMBING</b>				
30-11-1000		Hale AP PTO pump - 420 IGPM	1	MTL
30-15-0304	S	<b>Plumbing - non manifold pump SM SS</b>	1	MTL
30-20-0500		Valves and controls - side mount panel	1	MTL
30-20-1003	S	<b>Suction and discharge valves - Elkhart brand.</b>	1	MTL
30-20-1610		<b>Piping stainless steel - PTO pump</b>	1	MTL
30-20-1700	S	<b>1-1/2" thread specifications - NPSH</b>	1	MTL
30-20-1800	S	<b>2-1/2" thread specifications - CSA</b>	1	MTL
30-20-2000		<b>Piping hydrostatic test</b>	1	MTL
30-20-2510		<b>Anodes in suction and discharge piping -AP/MG/DSD</b> 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.	1	MTL
30-21-5520		<b>Tank to Pump SS 3" w/ check valve non manifold pump</b> 4" piping and check valve	1	MTL
30-22-0520		<b>Tank Fill valve 2" SS</b>	1	MTL
30-31-2520		<b>Suction - 4" not gated each side SS non manifold pump 5" header</b>	1	MTL
30-32-7550		<b>Suction - 2-1/2" left side SS, bleeder, non manifold pump</b>	1	MTL
30-41-2040		<b>2-1/2" RS discharge SS, bleeder, non manifold pump</b>	1	MTL
30-41-2540		<b>2-1/2" LS discharge SS, bleeder, non manifold pump</b>	1	MTL
30-43-1520		<b>2-1/2" rear discharge SS, plumbed 2-1/2", bleeder</b>	1	MTL
30-44-0720		<b>1-1/2" speedlay (each) front of pumphouse SS, plumbed 2"</b> Each speedlay is equipped with a horizontal stainless steel roller on each end. Each speedlay shall have minimum capacity for 200' x 1-3/4" DJ hose. Locking pins will be installed to secure speedlay in place. Speedlay swivels located out board each end - 8" in from end.	2	MTL
30-51-0400		Pump shift - PTO Pump and Roll ***Includes "Pump Engaged" indicator lights on chassis instrument panel 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		<b>Power shift PTO - Automatic transmission</b> To drive the AP PTO pump	1	MTL
30-51-1501		PTO driveshaft E	1	MTL
30-51-6640		<b>Class One "TPG Plus" Governor/Throttle</b>	1	MTL
30-51-7002		<b>Suction side relief V/V, non manifold pump</b>	1	MTL
30-51-7700		Primer Hale oil less ESP with oil tank Hale Indicator light on panel to show when primer is operating	1	MTL
30-51-8100		<b>Heat exchanger included with chassis</b>	1	MTL
30-51-8500		<b>Pump cooler with control valve, check valve</b>	1	MTL
30-52-1000		Master drain V/V, 12 port	1	MTL
30-52-3001		Foam system not requested E	1	MTL
<b>WATER AND FOAM TANKS</b>				
40-11-2100	S	<b>Polypropylene water tank (Imperial gallons)</b>	1	MTL
40-11-2200		Water tank capacity certification (tank manufacturer)	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
40-11-6500	S	<b>Tank capacity 1500 Imperial Gallons</b>	1	MTL
40-21-1000		<b>4" tank to pump connection</b>	1	MTL
40-22-0500		<b>2" tank fill connection</b>	1	MTL
40-23-0500		<b>1" water level gauge connection</b>	1	MTL
40-23-1040		4" direct fill connection	1	MTL
40-23-1060		10" Newton dump connection	1	MTL
40-23-1070	S	<b>2-1/2" direct fill connection</b>	1	MTL
40-30-0500	S	<b>Sump drain valve (3" gate valve) with linkage</b>	1	MTL
40-30-1100		<b>Water Fill Box middle left side</b>	1	MTL
40-31-4500		10" rear Newton dump, painted steel	1	MTL
40-31-4700		<b>Newton dump, top mount manual operation</b> Lock open device is required	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> <b>ENG. NOTE:</b> Requires top mount control on dump valve	1	MTL
40-31-5800		<b>Support for rotating dump chute if necessary</b> Engineering to determine if this support is required	1	MTL
40-31-59AA	U	<b>Dump valve shield - not painted, buffed aluminum</b> There will be a dump valve shield installed between the body and the tank. Truck specific - SOPT	1	
40-31-6000	S	<b>2-1/2" rear gtd tank fill</b> Left of Newton dump Requires 30 degree droop on valve. A treadplate support will be bolted to the valve.	1	MTL
40-31-8000	S	<b>4" Storz rear gtd fill</b> Right of Newton dump. There will be a treadplate support mounted to match the 2.5" direct fill (40-31-6000).	1	MTL
		<b>ELECTRICAL</b>	1	MTL
50-11-0300	S	<b>Base electrical system - multiplex</b>	1	MTL
50-11-0600		<b>Warning Light Certification</b>	1	MTL
50-11-0700		<b>Low Voltage Electrical system test</b>	1	MTL
50-11-0800		<b>Low Voltage Electrical System Documents</b> As required by ULC and NFPA standards	1	MTL
50-11-0900	S	<b>Rocker switch panel with master warning switch</b> ***Rocker switch assignments: <b>MASTER</b> -LIGHT BAR RED -LIGHT BAR CLEAR -REAR BEACONS - AMBER FLASHER -FLASHING WARNING -REAR SCENE -MINI WATER LEVEL INIDICATOR LIGHTS - ON / OFF Opticom switch  <b>Customer to confirm the sequence/order of switches is acceptable</b>	1	MTL
50-11-1400		Federal PA300 100 watt siren	1	MTL
50-11-1620		<b>Siren speaker,100 watt, in front bumper</b> Left side	1	MTL
50-11-2600		<b>Siren to be accessible to driver and officer</b>	1	MTL
50-11-6100	S	<b>Whelen lighting package</b>	1	MTL
50-11-611A	U	<b>Whelen F4N0QLED Light bar - NFPA Red/white, 1 green</b> Whelen LED light bar - combination of red and white lights with one green light. SOPT #891 - truck specific The green light to be as close to the center as possible.	1	

PART NO	S	DESCRIPTION	QTY	ID
		The configuration of the Light bar will be as follows (from Left to Right): RRRWGR, opticom, RRWRRR. The Green flasher will be activated with the Red flashers.		
50-11-611B	U	<b>Built in Opticom (795H) for Whelen F4N0QLED light bar</b> Order with lightbar 50-11-611A SOPT #703 The Customer has confirm that this model of Opticom is compatible with their existing system(s). Opticom will be switched with the Master Warning switch and will have an On/Off switch in the 50-11-0900 switch arrangement to override the system.	1	
50-11-6615	U	<b>Whelen TAM83 Traffic advisor warning lights - flush mount</b> SOPT #823 - Truck specific Control will be mounted in the console 20-31-7500	1	
50-11-86AA	U	<b>Whelen B63M7RA - rear LED beacons - Red upper/Amber lower (pr)</b> There will be a pair of Whelen B63M7RA rear LED beacons installed on the back upper portion of the body. The upper light will be red and the lower light will be Amber. The lights will be controlled by two (2) different switches in the 50-11-0900 switch arrangement. SOPT 244a	1	
50-12-8500	S	<b>Whelen intersection and flashing lights</b>	1	MTL
50-12-85AA	U	<b>Front LED Flashers (pr) Whelen M6 red/white RS red/blue LS split with clear lens</b> The front flashers will be Whelen M6 with clear lens. The RS will Red/White and the LS will be red/blue. SOPT #952d - truck specific	1	
50-12-8620	S	<b>Rear LED flashers (pr)-Whelan red and blue LED C9 with integral flasher</b> There will be a pair of red and blue C9 LED flasher installed on the rear of the unit. The left side will be blue and the right side will be red.	1	MTL
50-12-86CC	U	<b>Front side LED Flashers (pr) - Whelen M7 red with clear lens - side of bumper</b> The red Whelen M7 flashers will be installed on the side of the bumper extension. SOPT #951c - truck specific	1	
50-12-86DD	U	<b>Rear side LED Flashers (pr) Whelen M7 red with clear lens - rear fender mounted</b> SOPT #951c - truck specific	1	
50-21-5110		<b>Compartment lighting - LED tube lights in each compartment (flush doors)</b> E Vertically mounted in all compartments except the left side over the wheels - it will be horizontally mounted on back upper corner.	1	MTL
50-21-5500		<b>Door Ajar warning light</b> Located in overhead console over drivers seat. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL
50-21-5550		<b>Equipment rack not stowed warning light</b> Located in overhead console over drivers seat. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL
50-21-8001		<b>Step lights for body steps - 4" LED</b> Switched with park brake	1	MTL
50-21-8200	S	<b>Step lights for chassis steps - LED</b> Switched with park brake	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-21-8510	S	<b>Rear clearance lights on rubber arms (pr) - LED</b> The rear clearance lights will be a Britax model.	1	MTL
50-21-8600		LED clearance lts and reflectors	1	MTL
50-22-0750	S	<b>Whelen 64 LED CAST 4V tail/brake-turn-backup-warning module (pr)</b> Whelen C6 LED lights and compatible housing.	1	MTL
50-31-6016	U	<b>Whelen C9 LED Scene lights (pr) - Rear facing - switched in cab and rear</b> Switched in cab and a switch at the rear of the body (3 way switch). The lights shall also be activated when the transmission is placed in reverse gear. These lights cannot be managed as they are required for ULC. SOPT #39c - truck specific	1	
50-31-6550		<b>Ground lighting (LED Lumabar) - 2 door chassis</b> Switched with park brake	1	MTL
50-31-6570		<b>Ground lighting (LED Lumabar) - side mount body</b> Switched with park brake	1	MTL
50-31-6595	U	<b>Additional ground lighting LED under all compartments and front bumper</b> Switched with park brake SOPT #590	6	
50-31-65AA	U	<b>Hose bed lighting - LED on front partition</b> Switched with park brake	1	
50-35-0559		<b>Mobile radio antenna provided by customer E</b> The radio and antenna will be required to be at Metalfab's plant when chassis arrives.	1	MTL
		<b>BODY</b>		
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 E	1	MTL
60-10-4700		Integral aluminum fender trim	1	MTL
60-10-5400		> Diamondback pumphouse steps	1	MTL
		<b>ENG. NOTE:</b> Maximum height of step is 24" from ground		
60-10-5430		> Diamondback 19" rear step	1	MTL
		<b>ENG. NOTE:</b> Maximum height of rear step is 24" from ground		
60-10-6000		Extruded rub rail	1	MTL
60-11-0200		> <b>Front left side compartments intermediate height</b>	1	MTL
		<b>ENG. NOTE:</b> Specify critical dimensions in shop note		
60-11-0700	S	> <b>Front right side compartments full height E</b>	1	MTL
		<b>ENG. NOTE:</b> Specify critical dimensions in shop note		
		<b>The sliding tray 60-31-8800 will carry a CET Portable pump model 20HPHND-2D that measures 24" high x 26-1/2" wide x 24-1/2" deep.</b>		
60-11-1700		<b>No rear left side compartments</b>	1	MTL
60-11-1800		<b>No rear right side compartments</b>	1	MTL
60-11-1900		> <b>Low side compartment (up to 18") each</b>	1	MTL
		<b>ENG. NOTE:</b> Specify critical dimensions in shop note Specify type of door Specify flip up or drop down Specify which side of body		

PART NO	S	DESCRIPTION	QTY	ID
60-11-2000		> <b>High side compartment (over 18") each</b> <b>ENG. NOTE:</b> Specify critical dimensions in shop note Specify type of door Specify flip up or drop down Specify which side of body	1	MTL
60-11-3100		<b>No rear compartment E</b>	1	MTL
60-11-4500		<b>Flush mount aluminum door - single with "D" handle</b> Flip up doors - Left and right side over rear wheels	2	MTL
60-11-4510		<b>Flush mount aluminum door - double with "D" handle</b> Left and right side front compartments	2	MTL
60-31-4100		Extruded aluminum handrails Minimum 2" clearance from handrail to any surface	1	MTL
60-31-5000	S	<b>Zico access Ladder at rear of unit</b> Minimum 7" clearance between rung and any obstruction	1	MTL
60-31-5500	U	<b>Price Adjustment</b>	1	
60-31-6500	S	<b>Compartment matting - Plastic interlocking tile</b>	1	MTL
60-31-8800	S	> <b>Sliding tray (ea) - 600 pound capacity</b> <b>ENG. NOTE:</b> Specify location  Tray #1 - Left side front compartment Tray #2 - Right side front compartment to carry a CET Pump 20HPHND-2P that measures 24" high x 26-1/2" wide x 24-1/2" deep ***Hardware requires 3-1/2" of compartment height Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Customer confirmed locations of trays 09-26-2018	2	MTL
60-31-9600	S	> <b>Adjustable shelf (ea)</b> <b>ENG. NOTE:</b> Specify location  Shelf #1 - Left side front compartment - shallow depth Shelf #1 - Left side front compartment - shallow depth Shelf #3 - Right side front compartment - shallow depth Shelf #4 - Right side front compartment - shallow depth Shelf #5 - Right side compartment over rear wheels - full depth Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Customer confirmed locations of shelves 09.26.2018	4	MTL
60-32-3550	S	<b>Two adjustable hose divider (each)</b> There will be two (2) adjustable hose bed dividers. Hand hold required in end.	1	MTL
60-32-7500		Hose bed - aluminum	1	MTL
60-33-0000		<b>Paint exterior - Imron Elite</b> *** Paint code and colour red to match cab	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600		<b>Chassis wheels not painted</b>	1	MTL
60-33-1000		Paint pump and plumbing job colour	1	MTL
60-33-1500		Buffed finish compartment interior	1	MTL
60-33-2300	S	<b>Lettering - per GFD standard</b> *** Vinyl letters, Fire Department to provide details on location and text.	1	MTL
60-33-3300	S	<b>Reflective stripe - per GFD standard</b> 50% of perimeter each side and 25% of perimeter front	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-33-3310	S	<b>Reflective stripe - red and yellow chevron at rear and front bumper</b> The chevron will be installed on the full rear vertical surface. Install chevron material on front bumper where room permits	1	MTL
60-33-3500	S	<b>Tarp over hose bed - black</b> A hose bed cover will be provided and secured to the front of the body with an aluminum strip, "lift the dot fasteners" at the rear of hose bed and Velcro on each side edge of the cover. Straps with stainless steel buckles will be provided on the rear of the cover to tie down the rear flap. Color to be black.	1	MTL
60-33-4600	S	<b>Speedlay end tarps (black)</b> Small tarps with velcro straps and footman loops at each end of speedlays are provided.	1	MTL
60-40-5500	S	<b>Suction hose tube (each) with door</b> To house the 4" x 10' suction hoses with Storz couplings 80-11-40AA. The tubes will be stacked one above the other on the right side. One tube will be longer to accept the barrel strainer 80-12-1000 (this may protrude in the pump house slightly). Door ajar switch is required.	2	MTL
60-41-6001	>	<b>Zico hydraulic portable tank rack</b> <b>ENG. NOTE:</b> Specify mounting location desired. If Portable tank is customer supplied, specify overall dimensions when the tank is in stored position  Left side to house the 1500 gallon portable tank 80-15-0500. To be wired so only operable when park brake is engaged and left side compartment doors are closed. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.	1	MTL
60-41-6010		<b>ZICO PTS switched at rear above tail light</b> Switch is located on same side as electric rack - left side.	1	MTL
60-41-6110		<b>Painted plate on exterior of Zico PTS</b>	1	MTL
60-41-7100		<b>Tread plate on body behind porta tank rack</b>	1	MTL
		<b>INSTRUMENTATION</b>	1	MTL
70-11-0000		<b>Warning Label on Pump Operator's Panel</b>	1	MTL
70-11-0500		Side mount instrument panel 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	1	MTL
70-11-1500		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	1	MTL
70-11-3200		Colour coded tags	1	MTL
70-11-3210	U	<b>Class 1 chrome tag bezels</b>	1	
70-11-4000		Stainless steel side panel hood right side	1	MTL
70-11-4100		Stainless steel side panel hood left side	1	MTL
70-11-5500		Right side tread plate pump access door No opening dimension less than 18" Slot required for Primer level viewing	1	MTL
70-11-75AA	U	<b>Heat pan - extreme weather type</b>	1	
70-11-8000		<b>Heater in pump compartment</b> Switched on left side pump operators panel	1	MTL
70-11-8200	U	<b>Rubber seal around suction and discharge opening on panel</b>	1	
70-20-0500	S	<b>4-1/2" compound gauge - dual face 0-400</b> To be within 8" of each other - edge to edge	2	MTL

PART NO	S	DESCRIPTION	QTY	ID
70-20-1500	S	<b>2-1/2" pressure gauge - dual face 0-600</b> Gauge to be no more than 6" from edge of the gauge to the center of the control.	5	MTL
70-20-2500		Primer control	1	MTL
70-20-3100		<b>Class One Governor Control</b> Throttle can be no lower than 42" and no higher than 72" from operator's standing position.	1	MTL
70-20-6500		Test gauge panel Mount below the compound gauges for proper draining	1	MTL
70-20-7500		<b>Heat exchanger control valve</b>	1	MTL
70-20-7600		<b>Pump cooler control valve</b>	1	MTL
70-21-2100		> <b>PTO Hourmeter</b> <b>ENG. NOTE:</b> Specify location in shop note  Located in cab console 20-31-7500.	1	MTL
70-21-35AA	U	<b>FRC WLA300-A00 water level gauge on panel, at rear and Mini display in cab</b> The water level gauge on the rear of the body and in the chassis cab will be interlocked with the park brake so it will only be active while stationary on scene. SOPT #59 - truck specific	1	
70-21-5500		<b>Panel readout for Battery Conditioner</b> Located adjacent to auto eject in left side cab step area.	1	MTL
<b>ACCESSORIES</b>				
80-11-40AA	U	<b>4' x 10' suction hose with storz couplings</b> Tube mounted. SOPT #71 - truck specific	2	MTL
80-12-1000	S	<b>4" barrel strainer</b> The barrel strainer will be attached to the suction hose 80-11-40AA and stored in the suction hose tube 60-40-5500. Includes 30 feet of 3/8" rope which will be shipped loose and will not be stored with the strainer.	1	MTL
80-13-0500		<b>Rubber mallet</b> Not mounted, shipped loose. Customer will mount.	1	MTL
80-15-0500	S	<b>1500 l gallon portable tank - Husky</b> Mounted on PTS ****Liner to be Yellow in colour as approved 03.29.2019 ***	1	MTL
80-99-07AA	U	<b>4" Storz x 4"NH threaded rigid adapter(s)</b> P/n 1501438 Installed on the following; 4" Left side intake - female to thread on suction and include a 4" end cap 4" Right side intake - female to thread on suction and include a 4" end cap 4" barrel strainer 80-12-1000 - male to thread to barrel strainer SOPT#882 - truck specific	3	