



# Shop Order

Carrier Truck Center Inc.  
6 Edmondson Street  
Brantford, ON N3T 5N3

City of Elliot Lake Fire Department  
Municipal Offices  
45 Hillside Drive North  
Elliot Lake, ON P5A 1X5

**Exp. Date:** 09/29/2017  
**Quote No:** E-Elliot Lake-ON-0010  
**Job/Order No:** 19849  
**BODY:** 00-10-15 Metalfab Pumper - ULC 05/13

06/05/2018

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PART NO	S	DESCRIPTION	QTY	ID
		<b>== Metalfab Pumper - ULC 05/13 - 0.000 ==</b>	<b>1</b>	<b>MTL</b>
	S	<b>CHANGE ORDER D</b>	<b>1</b>	<b>MTL</b>
<b>00-00-0020</b>	<b>U</b>	<b>Exceptions to Specifications</b>	<b>1</b>	
00-10-1500		Metalfab Pumper	1	MTL
00-20-1000		Company Profile	1	MTL
<b>00-20-1501</b>	<b>S</b>	<b>Extended Body Warranty - one year bumper to bumper</b>	<b>1</b>	<b>MTL</b>
00-20-1550		Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
<b>00-20-1600</b>		<b>Waterous Pump Warranty - 5 years</b>	<b>1</b>	<b>MTL</b>
<b>00-20-1800</b>	<b>S</b>	<b>Polypropylene WaterTank Lifetime Warranty</b>	<b>1</b>	<b>MTL</b>
<b>00-20-2000</b>		<b>Plant Visits - unlimited at customer expense</b>	<b>1</b>	<b>MTL</b>
		<b>Prior to delivery, a final inspection shall be completed at the dealer location (CCEV) to allow review of the completed apparatus prior to delivery.</b>		
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
		<b>GENERAL INFORMATION</b>	<b>1</b>	<b>MTL</b>
10-11-0000		Intent	1	MTL
<b>10-11-0110</b>		<b>Vehicle data recorder included with chassis</b>	<b>1</b>	<b>MTL</b>
<b>10-11-1100</b>	<b>S</b>	<b>ULC S515-13 Compliance</b>	<b>1</b>	<b>MTL</b>
10-11-1500		> ULC Testing - Pumper	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 not to exceed 33 feet (396")</b>	<b>1</b>	<b>MTL</b>
<b>10-11-2200</b>	<b>S</b>	<b>Maximum height not to exceed 10 feet - 6 inches (126")</b> Fire Department door opening is 12'-0", no grade at approach to door	<b>1</b>	<b>MTL</b>
<b>10-11-2400</b>		<b>Overall length is 30' or more</b>	<b>1</b>	<b>MTL</b>
10-11-2500		General Construction	1	MTL
<b>10-11-2600</b>	<b>S</b>	<b>Preconstruction Meeting at Customer's location - by Carrier</b>	<b>1</b>	<b>MTL</b>
10-11-3000		Manuals - two copies ***Two copies of chassis manuals are required.	1	MTL
<b>10-11-3600</b>	<b>S</b>	<b>&gt; Delivery - FOB Fire Department - by Carrier</b>	<b>1</b>	<b>MTL</b>
		<b>ENG. NOTE:</b> Note in the shop note if more than 4 hours of training is required		
<b>10-11-4300</b>	<b>S</b>	<b>Payment Terms - Chassis and Body NET 30</b>	<b>1</b>	<b>MTL</b>
<b>10-20-1400</b>	<b>S</b>	<b>&gt; Hose capacity exceeding ULC/NFPA requirements</b>	<b>1</b>	<b>MTL</b>
		<b>ENG. NOTE:</b> Specify the type of hose and quantity of hose to be carried on the vehicle		
		<b>The hose load expected on this vehicle is:</b> 600' of 2 1/2" / 65 mm double jacket hose 600' of 4" / 100 mm hose		

PART NO	S	DESCRIPTION	QTY	ID
		200' of 1 3/4" / 45 mm hose		
10-20-2000		Equipment carrying capacity - standard ULC Pumper	1	MTL
		<b>CHASSIS INFORMATION</b>	1	MTL
<b>20-11-1000</b>	<b>S</b>	<b>Chassis supplied by Metalfab - Spartan Metro Star LFD 20" raised roof</b>	<b>1</b>	<b>MTL</b>
		Bustle back type cab		
		47,000 GVWR 20,000 front axle 27,000 rear axle		
		201.5" wheelbase, 134" cab to axle		
		Cummins L9 380 hp @ 2000 rpm, 2200 governed rpm		
		1150 ft-lb torque @ 1400 rpm		
		Engine compression brake		
		3000 EVS automatic transmission, package 198. 270 amp alternator		
		1710 HD Drive lines		
		Top speed - 65 MPH (plus or minus 2 MPH)		
		50 US gallon fuel tank - aft rear axle		
		Polished aluminum wheels with trim (trim is shipped loose)		
		Painted front bumper - 6" extension with deck plate apron. Air horns and siren speaker are mounted in the front of the bumper.		
		Manual door locks and window regulators.		
		Whelen F4N72 QLED light bar (8 red and 2 clear flashers)		
		Federal PA4000 siren		
		Conventional wiring, TSM, Weldon VDR and Seat/Seatbelt display		
		Two tone paint - white over red - paint codes CONFIRMED		
		PPG white - FBCH 911645		
		PPG red - FBCH 911636		
		Spray outs provided for Customer sign off		
		Cab Paint Exterior Break-line Classic with Pinstripe 1/2" Gold Reflective		
		Two antenna bases on cab roof - RH and LH		
		Shipped loose - Fire extinguisher (2.5 lb) and Road Safety Kit		
20-11-1500		2013 Emission chassis modifications	1	MTL
<b>20-11-1700</b>	<b>S</b>	<b>Chassis Motor Vehicle Inspection required - PMCV - by Carrier</b>	<b>1</b>	<b>MTL</b>
<b>20-21-0500</b>	<b>S</b>	<b>Fluid capacity plate</b>	<b>1</b>	<b>MTL</b>
20-21-0600		Pumping test plate	1	MTL
<b>20-21-1040</b>		<b>Maximum riders sign - 6 persons</b>	<b>1</b>	<b>MTL</b>
<b>20-21-1510</b>		<b>Seat belt warning labels - 4 door chassis</b>	<b>1</b>	<b>MTL</b>
<b>20-21-1530</b>	<b>S</b>	<b>Tire Pressure Indicators - Single Axle</b>	<b>1</b>	<b>MTL</b>
		With chassis - LED type, self-calibrating		
20-21-1600		Apparatus Information Label	1	MTL
		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"		
<b>20-21-2000</b>		<b>Non removable key</b>	<b>1</b>	<b>MTL</b>
		With chassis		
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>
20-21-4000		Rear mudflaps - Metalfab Logo	1	MTL
20-31-0100		Fuel tank or step covers not required	1	MTL
20-31-0200		Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
<b>20-31-1900</b>	<b>S</b>	<b>Chassis cab painted two tone by Spartan</b>	<b>1</b>	<b>MTL</b>
<b>20-31-7500</b>	<b>S</b>	<b>Console in cab</b>	<b>1</b>	<b>MTL</b>
		A custom storage box as photo 3562 (002) in the job folder. Add netting to meet ULC requirements for storage in a crew area.		
		Gray zolatone finish		
		***SHIP LOOSE - DO NOT INSTALL***		
		Customer may not use this console		

PART NO	S	DESCRIPTION	QTY	ID
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		<b>Transmission programming - Allison WT</b>	1	MTL
		<b>Programming is done by Spartan</b>		
		<b>***Includes "Pump Engaged" light next to pump shift on chassis instrument panel.</b>		
20-41-1500		Extend exhaust pipe - RS front of rear wheels E	1	MTL
		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.		
20-41-1900		Battery boost terminals with chassis E	1	MTL
20-41-2000		Chassis batteries remain in OEM location	1	MTL
20-41-2550		<b>Fuel fill at LS rear fender well</b>	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>*** Flat bar tow hooks under rear step (2)</b>		
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
20-51-6501	S	<b>Battery Charger and Auto Eject with Spartan chassis</b>	1	MTL
		<b>Kussmaul pump plus.</b>		
20-51-7102	S	<b>Electric System Management included with chassis - Class 1 TSM</b>	1	MTL
20-51-9001	S	<b>Air horns with Spartan chassis</b>	1	MTL
20-52-3500		> <b>Chassis steering wheel lined up by Metalfab</b> E	1	MTL
		<b>ENG. NOTE:</b>		
		Freightliner, Sterling, and Spartan only		
20-60-0400		Chassis wheelbase does not change	1	MTL
20-99-0010	U <	<b>Whelen Pioneer PCPSM1C LED side scene light</b>	2	
		Switched with body scene lights		
		Located one each side of extended cab between the upper crew door window and the canopy window.		
20-99-0020	U <	<b>15A battery power non switched to rear of doghouse</b>	1	
		Provide 4 stud terminal strip with cover for direct battery power with 15A breaker at rear of doghouse in cab		
20-99-0030	U	<b>Cab corner protectors at speedlay height</b>	1	
		In place of rollers		
<b>PUMP AND PLUMBING</b>			1	MTL
30-12-4000		<b>Mechanical seals for Waterous pumps</b>	1	MTL
30-12-5500		<b>Waterous CS single stage 1050 IGPM</b>	1	MTL
30-15-0202		<b>Plumbing - Waterous manifold pump TM SS</b> E	1	MTL
30-20-1000		<b>Valves and controls - top mount panel</b>	1	MTL
30-20-1002		<b>Akron valves specified</b>	1	MTL
30-20-1600		<b>Piping stainless steel - general</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		Piping hydrostatic test	1	MTL
30-20-2505		<b>Anodes in suction and discharge piping not requested</b>	1	MTL
30-21-5590		<b>Tank to Pump TM SS 3" w/ check valve manifold pump</b>	1	MTL
30-22-0530		<b>Tank Fill valve 2" TM SS</b>	1	MTL
30-31-4010		<b>Suction - 6" not gated each side manifold pump</b>	1	MTL
30-32-8535	S	<b>Suction - 2-1/2" left side SS, TM control, bleeder, Waterous manifold pump</b>	2	MTL
30-32-9035	S	<b>Suction - 2-1/2" right side SS, TM control, bleeder, Waterous manifold pump</b>	1	MTL
30-40-2035	S	<b>4" right discharge TM SS, bleeder, plumbed 3", Waterous manifold pump</b>	1	MTL
30-41-2035		<b>2-1/2" RS discharge TM SS, bleeder, Waterous manifold pump</b>	1	MTL
30-41-2535		<b>2-1/2" LS discharge TM SS, bleeder, Waterous manifold pump</b>	2	MTL
30-42-8530	S	<b>1-1/2" rear discharge TM SS, bleeder, plumbed 2"</b>	1	MTL
		In hose bed - left side		

PART NO	S	DESCRIPTION	QTY	ID	
30-44-0730	S	<b>1-1/2" speedlay (each) front of pumphouse TM SS, bleeder, plumbed 2"</b> Equipped with swivel to allow use from either side of the unit. Both swivels to be mounted on LS as close to the end of the hose bed as possible. Plumb discharges with 2" valve to allow the use of 1-3/4" discharge hose. Each speedlay is equipped with dual direction sliding hose trays (Aluminum trays that slide on UHMW) with stainless steel rollers on each end at bottom only and end tarps to hold the hose in place.	2	MTL	
30-44-6530	S	<b>Piping for monitor TM SS, plumbed 3", bleeder</b> For Customer's supplied and installed Akron monitor. Offset the piping to the left side so it can be accessed from the steps up the pump house. Height of the piping to be so that when the 80-99-05AA Akron 3405 monitor riser is elevated, the monitor will be above the cab and ladders	1	MTL	
30-51-0500		<b>Pump shift-Midship air</b> ***Includes "Pump Engaged" and "OK to Pump" indicator lights on chassis instrument panel ***Includes "Throttle Ready" indicator light on Pump operating panel	1	MTL	
30-51-0700		Pump Gearbox mounted manual over ride for pump shift	E	1	MTL
30-51-6640	S <	<b>Class One "TPG Plus" Governor/Throttle</b> Program discharge pressure preset to 1060 kPa Program throttle preset to 1000 RPM	1	MTL	
30-51-7000		Suction side relief V/V, manifold pump	1	MTL	
30-51-7500		<b>Primer electric vane type 12V with oil tank Waterous</b>	1	MTL	
30-51-8100		<b>Heat exchanger included with chassis</b>	1	MTL	
30-52-1000		Master drain V/V, 12 port	1	MTL	
30-52-2000	S	<b>Drain valve for foam system header</b>	1	MTL	
30-52-5500	S	<b>Foam system-Hypro FoamPro 2001 Single Tank</b> Foam system is plumbed to the two speedlay discharges	1	MTL	
30-52-9100	S	<b>Foam concentrate label at foam tank fill</b>	1	MTL	
30-52-9200	S	<b>Foam System Instruction Plates</b>	1	MTL	
30-52-9400	S	<b>NFPA Foam System certification test</b>	1	MTL	
		<b>WATER AND FOAM TANKS</b>	1	MTL	
40-11-2100	S	<b>Polypropylene water tank (Imperial gallons)</b>	1	MTL	
40-11-2200		Water tank capacity certification (tank manufacturer)	1	MTL	
40-11-4500	S	<b>Tank capacity 750 Imperial Gallons</b>	1	MTL	
40-12-4500	S	<b>Foam cell - 20 Imperial gallon</b>	1	MTL	
40-21-0500		<b>3" tank to pump connection</b>	1	MTL	
40-22-0500		<b>2" tank fill connection</b>	1	MTL	
40-23-0500		1" water level gauge connection	1	MTL	
40-23-1000	S	<b>1" foam level gauge connection</b>	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
		<b>ELECTRICAL</b>	1	MTL	
50-11-0500	S	<b>Base electrical system</b> ***Includes green "Battery On" indicator light on chassis instrument panel.	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 As required by ULC and NFPA standards	1	MTL	
50-11-0900	S	<b>Rocker switch panel with master warning switch by Spartan</b> ***Rocker switch assignments: -Master -Light Bar -Warning Front -Warning Side -Right Scene -Left Scene	1	MTL	

PART NO	S	DESCRIPTION	QTY	ID
		-Rear Scene		
50-11-2600	S	Siren and speaker are supplied with the Spartan chassis	1	MTL
50-11-6110	S	Whelen light bar included with chassis	1	MTL
50-11-6610		Rear LED Traffic Advisor warning lights - flush mount 8 lamp amber LED - TAM83 - 30.36" long	1	MTL
50-11-8001		> Rear beacons not required <span style="float: right;">E</span> ENG. NOTE: Confirm that necessary lighting for ULC/NFPA is present	1	MTL
50-12-8521	S	Front flashers, intersection lights included with chassis, Whelen 600	1	MTL
50-12-8620	S	Rear LED flashers (pr)-Whelen red LED 900 with integral flasher Located in the rear face of rear scene light box RS, rear body face LS	1	MTL
50-12-8810	S	Body side inter lts (pr)-Whelen red LED 600 with integral flasher Located in the rear fender panels - one each side	1	MTL
50-12-8820	S	Body side inter lts (pr)-Whelen red LED 900 with integral flasher Located in the front and rear upper corners of the apparatus body, two each side on side of the body ahead of scene light on left side and above scene lights on right side as shown on the proposal drawing.	2	MTL
50-21-5100		> Compartment lighting - LED tube lights in each compartment (rollup doors) ENG. NOTE: Rollup doors only	1	MTL
50-21-5500		Door Ajar warning light 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 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 Activated when park brake is set to meet ULC.	1	MTL
50-21-8110	S	Step lights for walkway - 4" LED ***As required.*** Activated when park brake is set to meet ULC.	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
50-22-0750	S	Whelen 64 LED CAST 4V tail/brake-turn-backup-warning module (pr)	1	MTL
50-31-6015	U	Whelen 900 LED White Scene lights (pr) - left side Located in the front and rear upper corners of the left side of apparatus body Switched in cab and managed to shed through the TSM Whelen 9SC0ENZR SOPT 39c	1	
50-31-6016	U	Whelen 900 LED White Scene lights (pr) - rear facing Located in the rear upper corners of the rear face of the apparatus body Switched in cab and switched on when vehicle is in reverse. Cannot be managed to shed through the TSM Whelen 9SC0ENZR SOPT 39c	1	
50-31-6017	U	Whelen 900 LED White Scene lights (pr) - right side Located in the front and rear upper corners of the right side of apparatus body Switched in cab and managed to shed through the TSM Whelen 9SC0ENZR SOPT 39c	1	
50-31-6505		Ground lighting included with chassis <span style="float: right;">E</span>	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-31-6580		<b>Ground lighting (LED Lumabar) - top mount body</b>	1	MTL
50-99-10AA	U	<b>Hose bed cover lights - LED strip lights to meet ULC</b> Activated when hose bed covers are raised	1	
		<b>BODY</b>	1	MTL
60-10-1400	S <	<b>Single axle extruded aluminum body</b> Left side of body full width (rescue style)	1	MTL
60-10-4500		<b>Aluminum tread plate fender surround - single axle</b>	1	MTL
60-10-4770	S <	<b>Removable stainless steel fender trim - single axle</b> E Required with 315 rear tires and bolt on rub rail	1	MTL
60-10-5400		> Diamondback pumphouse steps <b>ENG. NOTE:</b> Maximum height of step is 24" from ground	1	MTL
60-10-5440	S	> <b>Diamondback 13" rear step</b> <b>ENG. NOTE:</b> Maximum height of rear step is 24" from ground	1	MTL
60-10-6500	S	<b>Bolt on extruded aluminum rub rail</b> E	1	MTL
60-11-0300		> <b>Front left side compartments full height</b> E <b>ENG. NOTE:</b> Specify critical dimensions in shop note	1	MTL
60-11-0700		> <b>Front right side compartments full height</b> E <b>ENG. NOTE:</b> Specify critical dimensions in shop note	1	MTL
60-11-1000		> <b>Rear left side compartments full height</b> E <b>ENG. NOTE:</b> Specify critical dimensions in shop note	1	MTL
60-11-1400		> <b>Rear right side compartments full height</b> E <b>ENG. NOTE:</b> Specify critical dimensions in shop note	1	MTL
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  <b>One left side</b> <b>Two right side</b>	3	MTL
60-11-3200		> Full Height Rear compartment <b>ENG. NOTE:</b> Specify critical dimensions in shop note	1	MTL
60-11-5500		<b>Rollup door - standard height</b> Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	3	MTL
60-11-5520		<b>Rollup door - full height</b> Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	5	MTL
60-11-5655	U	<b>Amdor Pull Straps FLEX-HD AY-9355-18 (opening 20-37")</b>	3	
60-11-5660	U	<b>Amdor Pull Straps FLEX-HD AY-9355-36 (opening 49-70")</b>	5	
60-31-4100		Extruded aluminum handrails Minimum 2" clearance from handrail to any surface	1	MTL
60-31-5500	S	<b>Steps at rear of body (folding) with LED lights</b> LED lights are activated when park brake is set.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Maximum height between steps is 18"		
60-31-5600	S	<b>Folding steps with LED lights &amp; grab handles at front of body next to pump panel</b> LED lights are activated when park brake is set. Maximum height between steps is 18"	1	MTL
60-31-5800	S	<b>Full width step above back compartment</b>	1	MTL
60-31-6500		Compartment matting-Turtle tile	1	MTL
60-31-8001	U	<b>Double SCBA Cylinder tubes in rear fenders (ea)</b> One left side in forward section of rear fender Two right side - one forward and one rearward section of rear fender Part numbers as follows - LH door open - 1002812 - RH door open - 1002813 - Nylon strap kit - 1002852 SOPT 1023 The doors shall be equipped with open indicator switches tied to the door ajar system in accordance with ULC requirements.	3	
60-31-8210	S	> <b>Sliding vertical tool board - gas strut</b> ENG. NOTE: Specify location  Located in right rear side compartment. Tool boards to be solid aluminum - no holes Distance from front wall to first tool board - 8" Second tool board to be approximately 55" high - evenly spaced between the fixed partition and the rear side wall of the compartment. A fixed shelf will be installed above the tool board.	2	MTL
60-31-8288	U	<b>Swing out toolboard in L2 with Pac Trac on back wall</b> A swing out toolboard shall be provided in the L2 compartment (Left side over rear wheels). The toolboard shall incorporate open mesh mounting surfaces to facilitate viewing all mounted equipment while open. The back wall of the L2 compartment shall be lined with a PAC aluminum panel for tool mounting. The panel shall be secured to the back wall of the compartment. SOPT 1136 (marked up copy in file) The toolboard shall be; -Hinged at front -Install mid depth -Have reflective stripping installed -Red in color	1	
60-31-8400	S <	<b>Fixed vertical partition</b> Locate 8" behind the first sliding tool board in right rear compartment	1	MTL
60-31-8800	S	> <b>Sliding tray (ea) - 600 pound capacity</b> ENG. NOTE: Specify location  ***Hardware requires 3-1/2" of compartment height Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Located in L1 (above the wheel chocks), L3 at floor level, R1 at floor level and B1 at floor level	4	MTL
60-31-9600	S	> <b>Eight (8) Adjustable shelves and two (2) fixed</b> ENG. NOTE: Specify location  ***Tracking required in all compartments*** Adjustable shelves are located as follows and are full depth; Shelf #1 - Left side front compartment	10	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Shelf #2 - Left side front compartment		
		Shelf #3 - Left side rear compartment		
		Shelf #4 - Left side rear compartment		
		Shelf #5 - Right side front compartment		
		Shelf #6 - Right side front compartment		
		Shelf #7 - Right side front compartment over rear wheels		
		Shelf #8 - Right side rear compartment over rear wheels		
		Fixed shelves are located as follows and are full depth;		
		Fixed shelf #1 - Install above the rear sliding tool board in the RS rear compartment (R4) - mounted to the fixed vertical partition and the rear side wall of the compartment.		
		Fixed shelf #2 - Back compartment below the SCBA bottle storage tubes		
		Reflective stripe is applied on the exposed edge for visibility when the compartment door is open		
60-32-3560		<i>Three adjustable hose divider (each)</i> Hand hold required in end Three adjustable and one fixed in center to support the hose bed covers.	1	MTL
60-32-7500		<i>Hose bed - aluminum</i> The hose load expected on this vehicle is: 600' of 2 1/2" / 65 mm double jacket hose 600' of 4" / 100 mm hose 200' of 1 3/4" / 45 mm hose	1	MTL
60-33-0000		<i>Paint exterior - Imron Elite</i> *** Paint code and colour red to match cab	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600		<i>Chassis wheels not painted</i>	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> *** Vinyl letters, Fire Department to provide details on location and text. Install customer supplied door crests on the two rear crew cab doors Truck to be PUMP 1 - photos to be provided by customer	1	MTL
60-33-3200	S	<i>Reflective stripe - 1/2" Gold - 4" White - 1/2" Gold</i> Spacing - 1/2" gold, 1/2" space, 4" white, 1/2" space, 1/2" gold 50% of perimeter each side and 25% of perimeter front	1	MTL
60-33-3310	S	<i>Reflective stripe - red and yellow chevron at rear and on front bumper</i> Installed on front bumper and minimum 50% of rear vertical surface.	1	MTL
60-33-4600	S	<i>Speedlay end tarps (black)</i> Speedlay end tarps with quarter turn fasteners and Velcro straps each end are provided.	1	MTL
60-33-5000		<i>Aluminum cover over hose bed with end tarps - black</i> E A hinged aluminum hosebed cover will be bolted to top body flanges. Gas struts are mounted at the front to assist in opening. Rear flaps with Velcro straps will be provided on the rear of the cover to tie around the rear handrail.	1	MTL
60-40-5500	S	<i>Suction hose tube (each)</i> Provision to store two (2) lengths of 4" x 10' lightweight hard suction (Customer supplied) shall be made integral with the body left side of the hose bed. They shall be accessible from the rear of the unit. The storage tube shall be equipped with a door and wired to the door ajar circuit. Customer hose dimensions: Overall length - 127" Distance between ends of long handles on swivel couplings - 12" Provision to store two (2) lengths of 6" x 10' lightweight hard suction (80-11-5000) shall be made integral to the hydraulic ladder rack. The tubes shall be enclosed on the ladder rack and accessible from the officer side of the apparatus when the ladder rack is in the lowered position.	4	MTL



PART NO	S	DESCRIPTION	QTY	ID	
60-41-1015	S <	<b>Pike Pole tube in suction hose tube</b> Located in the 4" suction hose tubes in the hose bed	2	MTL	
60-41-9500	>	<b>Zico Horizontal Ladder Access system</b> <b>ENG. NOTE:</b> 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  <b>Right side as shown on the proposal drawing</b> <b>Include HLAS-OS optional stop</b> <b>To be wired so only operable when park brake is engaged.</b> <b>Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.</b>	1	MTL	
60-41-9510		<b>ZICO HLAS switched at rear above tail light</b> Switch is located on same side as electric rack - right side at rear	1	MTL	
60-91-0500	S >	<b>Compartment SCBA Storage rack</b> <span style="float: right;">E</span> <b>ENG. NOTE:</b> Specify location and number of cylinders to be stored  <b>A series of horizontal plastic tubes are installed to allow storage of SCBA cylinders in the rear compartment on fixed shelf. The tubes are tipped back to keep the cylinders from sliding out when the vehicle is in motion. There shall be 8 tubes (four OVER 2) provided.</b> <b>Locate the SCBA tubes as high as possible in the compartment.</b>	1	MTL	
<b>INSTRUMENTATION</b>				1	MTL
70-11-0000		Warning Label on Pump Operator's Panel	1	MTL	
70-11-1500		<b>Stainless steel instrument panels</b> 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	
70-11-2000		<b>Top mount instrument panel</b> 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	
70-11-20AA	U	<b>Enclosed top mount design</b>	1		
70-11-2400		<b>Transverse walkway not required</b>	1	MTL	
70-11-2700		<b>No tread plate overlay on back of chassis cab</b> <span style="float: right;">E</span>	1	MTL	
70-11-3100		<b>Mansaver bars not required</b> <span style="float: right;">E</span>	1	MTL	
70-11-3305	U	<b>VisionMark tags</b>	1		
70-11-4000		<b>Stainless steel side panel hood right side</b> LED lights are activated when park brake is set.	1	MTL	
70-11-4100		<b>Stainless steel side panel hood left side</b> LED lights are activated when park brake is set.	1	MTL	
70-11-5500		<b>Right side tread plate pump access door</b> No opening dimension less than 18" Slot required for Primer level viewing	1	MTL	
70-11-5600		<b>Left side tread plate pump access door</b> No opening dimension less than 18"	1	MTL	
70-11-75AA	U	<b>Heat pan - aluminum - extreme weather type</b> Due to the extreme northern climate in which this truck will operate, special attention will be paid to fully enclosing the pump module area for heat retention. A pump heat pan fabricated from 1/8" aluminum will be provided on the underside of the pump enclosure to act as a supplementary heating system by entrapping chassis exhaust heat during low temperature pumping operations.	1		

PART NO	S	DESCRIPTION	QTY	ID
		This pan will be attached with spring loaded pins for easy removal without tools for servicing and in warm weather. Any open areas of the identified during the design process shall be fully enclosed where possible.		
70-11-8000		<b>Heater in pump compartment</b>	1	MTL
70-20-1100	U	<b>4-1/2" compound gauge - dual face 0-400</b> To be within 8" of each other - edge to edge	2	
70-20-2100	U	<b>2-1/2" pressure gauge - dual face 0-400</b> Gauge to be no more than 6" from edge of the gauge to the center of the control.	9	
70-20-2500		<b>Primer control</b>	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
70-20-3500		Electric water level gauge on pump panel, Class One	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
70-21-1500	S	<b>Electric Foam Level gauge</b> Include access to and room for sender in front of body and back of pump house	1	MTL
70-99-10AA	U	<b>Rubber seal around suction and discharge opening on panel</b> SOPT 483	1	
71-21-4500	S	<b>Speaker on pump panel</b> A flush mount speaker shall be installed on the pump panel for the radio system. Customer supplied harness to be wired to the speaker and coiled under the speaker if it will not reach the cab. Customer supplied microphone connection to be installed on the pump panel, harness coiled under the connection as it will not reach the cab.	1	MTL
		<b>ACCESSORIES</b>	1	MTL
80-11-5000		<b>6" x 10' lightweight suction hose (ea)</b> Tube mounted	2	MTL
80-12-2500	S	<b>6" barrel strainer</b> Ship strainer and a MM601 Kochek mount (1501175) loose	1	MTL
80-13-0500	S	<b>Rubber mallet</b> Ship mallet and a 1003-Y Pac Toolok (1562258) loose	1	MTL
80-13-2500		<b>Pike pole, fibreglass handle - 10' long</b> Mounted in the 80-13-3000 pike pole brackets as directed by Customer Location - _____	2	MTL
80-14-0500		<b>24' 2 section extension ladder PEL 24</b> Installed on HLAS	1	MTL
80-14-5500		<b>14' aluminum roof ladder PRL-14</b> Installed on HLAS	1	MTL
80-14-8500		<b>10' aluminum folding attic ladder FL-10</b> Installed on HLAS	1	MTL
80-14-9000		<b>Attic ladder bracket (Zico)</b> Installed on HLAS	1	MTL
80-15-7000	S	<b>Piston Intake Relief Valve 6" NHF x 4" Storz with cap</b> Installed on right side 6" inlet or as directed by Customer	1	MTL

