



Shop Order-00-10-15: Unclassified

Aylesford Fire Department
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Exp. Date: 01/02/2014
Quote No: JAYNS-0027 **Job/Order No:** 18005
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

02/16/2017

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PART NO	S	STN CODE	DESCRIPTION	QTY	ID
	S		Change Order G	1	MTL
	S		Change Order G	1	MTL
00-10-1500			Metalfab Pumper E	1	MTL
00-20-1000			Company Profile E	1	MTL
00-20-1500			Standard Body Warranty	1	MTL
00-20-1550			Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
00-20-1700			Hale Pump Warranty - 5 years	1	MTL
00-20-1800			Ultra Tank Lifetime Warranty	1	MTL
00-20-2100	S <		Plant Inspection Visits	3	MTL
			Travel to include 2 charter flights from Waterville, NS to Florenceville, NB		
			NOTE: There is a weight restriction on the charter flight. There will be 52 hats (one for every member). There will be nine (9) spring/fall jackets for the truck committee. Sizes of jackets to be supplied by Customer		

00-20-3000			No Bonding Required	1	MTL
00-20-3500			Certification for Fusion Welding of Aluminum	1	MTL
00-20-4000			Quality System registered to ISO 9001:2008	1	MTL
00-20-4500			Fire Apparatus Manufacturers' Association Membership	1	MTL
			GENERAL INFORMATION	1	MTL
10-11-0000			Intent E	1	MTL
10-11-0110			Vehicle data recorder included with chassis	1	MTL
10-11-1100			ULC S515-04 Compliance	1	MTL
10-11-1500		>	ULC Testing - Pumper	1	MTL
10-11-2100	S		Maximum length 34' - (408")	1	MTL
10-11-2200	S		Maximum height 10' 5" - (125")	1	MTL
10-11-2400			Overall length is 30' or more	1	MTL
10-11-2500			General Construction	1	MTL
10-11-3000			Manuals - two copies	1	MTL
10-11-3600	S < >		Delivery - FOB Fire Department	1	MTL
			Department requests the truck be delivered Friday night, November 6.2015 in time for the general membership viewing.		
			Orientation to be on Saturday, November 7.2015		
10-11-4000			Payment Terms - Chassis Net 10 days, Balance COD	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
10-20-1400	S	< >	Hose capacity exceeding ULC/NFPA requirements Total hose load to be carried on apparatus is as follows; Dual 150' of 1.75" pre-connect in rear hose bed Dual 150' of 1.75" pre-connect in speed lays 100' of 1.75 pre-connect in trash line hose well in front bumper 600' of 1.75" in rear hose bed 800' of 2.5" in rear hose bed 600' of 4" in rear hose bed Estimated weight of total hose load as per above - 1530 lbs.	1	MTL
10-20-2000			Equipment carrying capacity - standard ULC Pumper CHASSIS INFORMATION	1	MTL
20-11-1000	S	<	Chassis supplied by Metalfab - Spartan Metro Star Change Order D - The front fender flairs are to be changed to larger ones so the cab is protected from road spray from front tires that are currently sticking out beyond the present flairs - These are on order from Spartan Chassis. Change Order E - During the Plant visit by the Customer, October 9, 2015 the Customer noticed the front part of cab directly ahead of the officer's door is wavy and door edge is rough. The Customer requests this be repaired (body work done and repainted). Also during Shop visit the Customer noticed the gap between cab front door opening and door is wider than the rest of the door gaps and requests this be adjusted. ***Repair as above and contact Spartan for Warranty consideration and repair cost re-imburement Change Order G - October 30.2015 - The deckplate on the back of the cab is bowed and the 2-way tape under does not hold it in place.	1	MTL
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1600			Chassis Motor Vehicle Inspection not required	1	MTL
20-21-0500			Fluid capacity plate	1	MTL
20-21-0600			Pumping test plate	1	MTL
20-21-1040			Maximum riders sign - 6 persons	1	MTL
20-21-1510			Seat belt warning labels - 4 door chassis	1	MTL
20-21-1550	S		Tire Pressure Indicators with chassis	1	MTL
20-21-1600	S		Apparatus Information Label	1	MTL
20-21-2000			Non removable key	1	MTL
20-21-2500			Shifter lock not required	1	MTL
20-21-3500			Rear step warning label	1	MTL
20-21-3810			Front mudflaps provided with chassis E	1	MTL
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
20-31-1900			Chassis cab not painted E	1	MTL
20-31-4700	S	< >	Extend front bumper, gravshld with preconnected hosewell E Bumper extension (24") and apron by Spartan. The hose well box is to be bolted in so that it can be removed. The swivel connection will be at the bottom of the box. Leave adequate room for storage of 100' of 1.75" with pistol grip nozzle and hose wrenches comfortably. The hose wrenches are mounted on the under side of the cover per 80-13-1000.	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
20-41-0600			Intake air shutoff for engine not required	1	MTL
20-41-0900			Auxiliary braking system disabled when pumping	1	MTL
20-41-1100			Transmission programming - Allison WT	1	MTL
20-41-1500	S	<	Extend exhaust pipe - RS front of rear wheels	1	MTL
			E		
			Department has a Plymovent system. Exhaust must be spaced from body to allow the connection.		
			Customer to specify required clearances:		
			From bottom of rub rail to top of exhaust pipe: 2"		
			Distance the exhaust pipe has to stick out by rub rail (if any):		
			FLUSH		
			See pictures at o:		
20-41-1900			Battery boost terminals with chassis	1	MTL
20-41-2000			Chassis batteries remain in OEM location	1	MTL
20-41-2560			Fuel fill at LS rear fender well with SCBA style door	1	MTL
			E		
20-41-2600			Chassis fuel tank remains in OEM location	1	MTL
20-41-5000			Rear Tow Hooks - under body	1	MTL
20-41-5200	S	<	Rear trailer receiver - Class III/IV	1	MTL
			7 Pin trailer connection is not required - see 20-99-05AA		
20-41-5210			Front receiver	1	MTL
20-41-5215			Side receiver, under body	2	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
20-51-3500	S	<	Air outlet	1	MTL
			On LS pump panel with a shutoff valve (1550713) behind the pump panel within easy reach through the pump compartment door.		
20-51-4000		<	Auto eject for air inlet - LS	1	MTL
			Mounted on the chassis cab between the front LS and rear LS entry door. Near the 110-volt Kussmaul inlet. By Spartan.		
20-51-6501	S		Battery charger included with chassis	1	MTL
20-51-7102	S		Total System Manager included with chassis	1	MTL
20-51-9001	S		Air horns with chassis	1	MTL
20-52-3500		>	Chassis steering wheel lined up by Metalfab	1	MTL
			E		
20-52-4000			Rear View Camera system	1	MTL
20-60-0400			Chassis wheelbase does not change	1	MTL
20-99-05AA	U	<	12-volt power outlet at receiver	1	
			Power to be located beside each receiver and have a rubber protective cover. Metalfab to supply a male plug to be used on the portable winch.		
20-99-15AA	U	<	In Cab Storage Cabinet	3	
			Change Order G - October 30.2015 - Disassemble and remove the three (3) cabinets inside cab and the mounting board over the doghouse, Zolatone with 20-64 Zolatone Gray Stone, then reassemble.		
20-99-25AA	U		Stainless steel fog lamp guards	1	
20-99-30AA	U	<	LED Marker lights	1	
			There will be additional amber LED lights mounted on the highest outermost forward facing portion of the chassis cab.		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
20-99-35AA	U		Aluminum mounting board	1	
20-99-40AA	U		Rear Doghouse Cabinet	1	
			PUMP AND PLUMBING	1	MTL
30-11-8600			Hale QMAX 1500 IGPM single stage pump	1	MTL
30-12-3500			Mechanical seal for Hale QMID/QMAX/QTWO pumps	1	MTL
30-15-0101			Plumbing - Hale manifold pump TM	1	MTL
			E		
30-20-1000	<		Valves and controls - top mount panel	1	MTL
			The control rods to be inclined towards the back of the panel so that they do not intrude in the walkway when fully open and have a better leverage angle when opening/closing. Adjust so they open and close freely. See also 70-11-2000.		
30-20-1002	S		Akron valves specified	1	MTL
30-20-1500			Piping galvanized steel - general	1	MTL
30-20-1700	S		1-1/2" thread specifications NPSH	1	MTL
			E		
30-20-1800	S <		2-1/2" thread specifications - Nova Scotia Standard Thread NSZ1 - 3.23 x 5	1	MTL
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2500			Anodes in suction and discharge piping	1	MTL
30-21-9500			Tank to Pump 4" Ball valve, handwheel control with check valve manifold pump	1	MTL
30-22-0510	S <		Tank Fill valve 2" TM	1	MTL
			Change Order G - October 30.2015		
			Move Tank Fill control beside the tank to pump control to match the Departments 2008 truck. FoamPro control can move to where the FoamPro instruction label is, the label can move where speedlay gauge is and the gauge move where the FoamPro control is.		
30-31-4010	S		Suction - 6" each side manifold pump	1	MTL
30-31-5000	S <		Suction - 5" galv piping to front - Electric MIV connection	1	MTL
			There will be a drain at the front and rear of the piping to eliminate any low spots for water to stay trapped. Note: Spartan chassis comes pre-piped for the front suction (5" Stainless with NPT up through front gravel shield).		
30-31-6025	S < >		Suction - 6" stainless piping to rear -electric MIV connection	1	MTL
			E		
			Piping will be through the tank (10 gauge SS pipe). Bring the suction fitting as close to the compartment door as possible.		
30-31-7200		>	Hale master intake suction valve - electric control	4	MTL
30-32-8500			Suction - 2-1/2" left side, TM control, Hale manifold pump	1	MTL
30-32-9000			Suction - 2-1/2" right side, TM control, Hale manifold pump	1	MTL
30-41-2010	<		2-1/2" RS discharge TM, bleeder, Hale manifold pump	2	MTL
			Droops must be adjustable - ref 30-99-15AA		
30-41-2510	<		2-1/2" LS discharge TM, bleeder, Hale manifold pump	2	MTL
			Droops must be adjustable - ref 30-99-15AA		
30-43-1510	<		2-1/2" rear discharge TM, plumbed 2-1/2", bleeder	2	MTL
			Droops must be adjustable. Mount halfway between the hose bed and the rear suction hose tube, one each side as shown on drawing.		
30-44-0600	<		1-1/2" speedlays (each) under walkway, plumbed 2"	2	MTL
			Hose load - 150' of 1.75" hose per pre-connect. (For office use: 30-44-0615 in BOM)		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-44-1010		>	1-1/2" front trash line TM, plumbed 2", hosewell	1	MTL
30-44-6510	S	<	Piping for monitor TM, plumbed 3" electric valve, bleeder Akron Navigator Pro Electric Valve Controller. Plumb/pipe for customer supplied monitor and 80-99-11AA riser. To be nested behind transverse panel as shown on drawing so monitor will not exceed maximum height when in stowed position.	1	MTL
30-51-0500			Pump shift-Midship air	1	MTL
30-51-0700			Pump Gearbox mounted manual over ride for pump shift E	1	MTL
30-51-1500			Power shift PTO - Automatic transmission	1	MTL
30-51-1501			PTO driveshaft E	1	MTL
30-51-6800			FRC InControl Governor/Throttle engine display with throttle knob	1	MTL
30-51-7700			Primer Hale oil less ESP with oil tank Hale	1	MTL
30-51-7800			Pre Primer for gated suction Hale primer	4	MTL
30-51-8100			Heat exchanger included with chassis	1	MTL
30-51-8500			Pump cooler with control valve, check valve	1	MTL
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-2000			Drain valve for foam system header	1	MTL
30-52-4210		<	Foam System - Hypro FoamPro 2002 Single Tank Foam system is plumbed to the front trash line, the 2 speed lays, the rear 2.5" discharges and the monitor. Add a tag "Flush line(s) after use of Foam" adjacent to the digital foam control module on panel.	1	MTL
30-52-8100	S	<	Electric foam fill pump with panel pickup The pick up hose to be installed in a tube under the pump house controls with the connection coming through the stainless right side panel.	1	MTL
30-52-9100			Foam concentrate label at foam tank fill	1	MTL
30-52-9200			Foam System Instruction Plates	1	MTL
30-52-9400			NFPA Foam System certification test	1	MTL
30-99-05AA	U		4" Left side discharge, 4" Valve, electric control	1	
30-99-10AA	U		4" Right side discharge, 4" valve, electric control	1	
30-99-15AA	U	<	Adjustable 30-degree turn downs All 2-1/2" discharges will have an adjustable 30-degree turn down installed. See picture in Picture tab in QW and at Metalfabphotos/road/Aylesford/580670	8	
			WATER AND FOAM TANKS	1	MTL
40-11-2100			Ultra-Tank water tank (Imperial gallons)	1	MTL
40-11-2200			Water tank capacity certification (tank manufacturer)	1	MTL
40-11-4500			Tank capacity 800 Imperial Gallons	1	MTL
40-12-5101	S		Foam cell - 25 Imperial Gallon	1	MTL
40-21-1000			4" tank to pump connection	1	MTL
40-22-0500			2" tank fill connection	1	MTL
40-23-0500			1" water level gauge connection	1	MTL
40-23-1000			1" foam level gauge connection	1	MTL
40-23-1050			4" Fireman's Friend connection	1	MTL
40-30-0500			Sump drain valve (3" gate valve) with linkage E	1	MTL
40-30-1000			Water Fill Box front left corner	1	MTL
40-31-0400			Rear dump valve not requested E	1	MTL
40-31-9000	S		4" Storz rear fill, Fireman's Friend	1	MTL
40-99-05AA	U		Garden hose connection point	1	
			ELECTRICAL	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
50-11-0500		<	Base electrical system There will be a label on the electrical panel stating it is the 12-volt 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	1	MTL
50-11-0900			Rocker switch panel with master warning switch	1	MTL
50-11-2600			Siren to be accessible to driver and officer	1	MTL
50-11-6100	S	<	Light bars with chassis Three (3) Mini Edge Ultra Freedom - middle to be straight and ends unit to be at an angle - by Spartan.	1	MTL
50-11-6600			Rear LED Traffic Advisor warning lights - surface mount	1	MTL
50-11-8600			Rear LED beacons-Whelan MCFLED2R (pr) both red	1	MTL
50-12-8000			Additional body side intersection light not required	1	MTL
50-12-8521			Front flashers, intersection lights included with chassis, Whelen 600	1	MTL
50-12-8610	S	<	Rear LED flashers (pr)-Whelan red LED 600 with integral flasher Flasher to be Red/Clear	1	MTL
50-12-8810	S	<	Body side inter lts (pr)-Whelan red LED 600 with integral flasher Flasher to be Red/Clear	1	MTL
50-12-8820	S	<	Body side inter lts (pr)-Whelan red LED 900 with integral flasher To be installed on the upper portion of the pump house - will be Red/Clear	1	MTL
50-21-1600	S		Parking (ditch) lights in rear fenders	1	MTL
50-21-2730	S	< >	Command Light KL450 Light tower 3000W with backlight option Same Model as Middleton M11-15675 - include green light on tower Mount remote control on forward wall of front LS compartment.	1	MTL
50-21-5100		>	Compartment lighting - LED tube lights in each compartment (rollup doors)	1	MTL
50-21-5550			Equipment rack not stowed warning light	1	MTL
50-21-5600			Door Ajar warning light with buzzer	1	MTL
50-21-8001			Step lights for body steps - 4" LED	1	MTL
50-21-8110	S		Step lights for walkway - 4" LED	1	MTL
50-21-8201	S		Step lights for chassis steps - 4" LED by Spartan	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			Whelan 64 LED tail/brake-turn-backup module (pr)	1	MTL
50-31-4010	S		10 kW hydraulic generator - Smart Power HR-10	1	MTL
50-31-6006		>	Scene lights (pr) - Federal QL97 LED	1	MTL
50-31-6010	S	<	Scene light boxes (pr) - tread plate Change Order E - Rebuild/rework scene light boxes so there is no gap between them and the deckplate fendertop	2	MTL
50-31-6505			Ground lighting included with chassis	1	MTL
50-31-6580		<	Ground lighting (LED Lumabar) - top mount body Additional lights under the front bumper (with chassis), under each side compartment. H20 LED Lumabar	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
50-35-0500	S		<i>Installation of customer supplied mobile radio</i>	1	MTL
50-35-0565			<i>VHF antenna with base - custom chassis (thick roof)</i>	1	MTL
50-35-0595			<i>Cellular/TMR antenna with base - custom chassis (thick roof)</i>	1	MTL
50-35-1000	S		<i>Supply and install 16 channel mobile radio - analog Motorola PM400</i>	1	MTL
50-99-1500	U	<	<i>3000-WATT Inverter</i> There will be a 3000-watt power inverter installed in the chassis cab behind the driver's seat near the battery conditioner. Wired to auto transfer switch to power all the accessories in console 20-99-15AA and have an outlet on each side of the dog house, an outlet in the front right side and front left side compartments, an outlet in each interior cab compartment on the back wall.	1	
50-99-2500	U	<	<i>FRC Spectra 110-v LED scene lights (pr)</i> Fire Research Spectra LED Scene Light model SPA260-K15 surface mount. Will be installed on each upper side corner of body. There will be one switch in the chassis dash for the two left side and one for the two right side. Have the lights pointed down so they won't cast a shadow.	2	
50-99-3000	U	<	<i>FRC Evolution Telelights, 12 volt, 15,000 lumens LED FCA 530-V15</i> Mount on rear of chassis cab and have the control switches on the pump panel - not the light head. One for the left side light and one for the right side light.	2	
50-99-3500	U	<	<i>LED rear step lights</i> 8 - 1032008 LED lights to light up each folding step. Switched to come on when the park brake is applied.	1	
50-99-40AA	U	<	<i>Firecom Intercom with wireless headsets</i> Change Order G - October 30.2015 Hooks for the Firecom to be installed on the front of the A/C duct. Jody in Finish Up knows exact location. Customer also noticed that radios are mounted backwards (TMR on top) - mount as per last change order with TMR on the bottom, Firecom in middle and VHF radio on top	1	
50-99-45AA	U		<i>Hose bed cover lights</i>	1	
50-99-50AA	U		<i>Buckeye RotoRay warning light</i>	1	
51-31-3020	S	< >	<i>120 volt wiring for hydraulic generator</i> Mount breaker panel on back wall of front LS compartment. Circuits for the following: 120-Volt weather proof 5-15R Duplex household receptacles on left side pump panel, right side pump panel and rear of body each side. 220-Volt weather proof L6-20R single twist lock receptacles on left side and right side on pump panels. Circuits for Cord reels Circuit for Command Light Note that Neutral is bonded to chassis ground.	1	MTL
51-31-3100	S	< >	<i>Automatic 110 volt transfer switch</i> Locate in chassis next to 50-99-1500 Inverter. The outlets wired to the inverter will be powered from the 120 Volt inlet with chassis (ref 20-51-6501).	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
51-31-4000	S	< >	Electric cord reel with 200' x 12/3 cable, lighted box Installed in rear compartment in the upper portion - side by side All outlets to be 5-20R household type receptacles	2	MTL
51-31-4500			Dielectric strength test for line voltage system	1	MTL
			BODY	1	MTL
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
60-10-4770			Removable stainless steel fender trim - single axle E	1	MTL
60-10-5400		>	Diamondback pumphouse steps	1	MTL
60-10-5430		>	Diamondback 19" rear step	1	MTL
60-10-6500			Bolt on extruded aluminum rub rail	1	MTL
60-11-0150		< >	Second front left side compartment to top of wheel well This compartment will be for three (3) SCBA tubes	1	MTL
60-11-0300		>	Front left side compartments full height E	1	MTL
60-11-0550	S	< >	Second front right side compartment to top of wheel well This compartment will be for three (3) SCBA tubes	1	MTL
60-11-0700		>	Front right side compartments full height E	1	MTL
60-11-1000		>	Rear left side compartments full height E	1	MTL
60-11-1400		>	Rear right side compartments full height E	1	MTL
60-11-2000		>	High side compartment (over 18") each	3	MTL
60-11-3200		< >	Full Height Rear compartment Mount both cord reels side by side at the upper portion of the compartment. There will be a row of SCBA bottles at the bottom and they will be covered to be protected. The middle portion of the compartment will be for water strainers (lo-level and floating).	1	MTL
60-11-4500			Flush mount aluminum door - single with "D" handle	2	MTL
60-11-5500			Rollup door - standard height	4	MTL
60-11-5520			Rollup door - full height	5	MTL
60-11-5530		<	Rollup door - to enclose pump panel The top mount panel and each side pump panel will be covered.	3	MTL
60-11-5640			Drip pan under rollup door roll (each)	12	MTL
60-31-4100	S	<	Extruded aluminum handrails Change Order E - Add 42" Minimum (use our standard 48") long handrails on rear back of cab so telescoping light poles are not used as grab handles - top part of handrail should be approx 4" above the knurled lock on the telescoping light. Space the handrails out from the telescoping pole to meet ULC requirements (minimum 2"). One each side on back of cab. Change Order G - October 30.2015 - No aluminum handrails are required at the pump house (drawing shows some but they are not needed). Customer want the long one under the hose bed to be changed to 12" long at each end and have one on the hose bed edge on each side at the rear.	1	MTL
60-31-5500			Steps at rear of body (folding)	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8400	S	<	Fixed vertical partition A transverse partition ahead of the upper front shield of hose bed will house the Little Giant ladder (as shown on drawing).	1	MTL
60-31-8700	S	>	Sliding tray (ea) - 400 pound capacity with gas strut	1	MTL
60-31-9600		< >	Adjustable shelf (ea) Location: Front RS - shallow Front RS - deep Front LS - shallow High side LS - shallow Rear LS - deep Rear RS - deep Interior cab compartment - 3 each	12	MTL
60-31-9600	S	< >	Adjustable shelf (ea) Change Order E - Add four (4) more shelves. (Total of 16 shelves now). One shelf over 120-Volt electrical panel in left side front compartment One full depth shelf over the slide out tray in left side front compartment and install the Pelican lights 80-99-75AA on it (the adjustable pull out tray will have to move down a bit). Install struts for adjustable shelves in both small compartment right side for and aft the HLAS. Shelves to be supplied for both of these compartments. The shelf for the front compartment to be shipped loose. The shelf for the rear compartment to be installed (remove the two existing SCBA brackets and ship loose).	4	MTL
60-32-3560		<	Three adjustable hose divider (each) One to be on the Left side, two(2) on the Right side of the center fixed partition All to have hand hold incorporated in end	1	MTL
60-32-7500		<	Hose bed - aluminum Dual 150' of 1.75" pre-connect in rear hose bed 600' of 1.75" in rear hose bed 800' of 2.5" in rear hose bed 600' of 4" in rear hose bed	1	MTL
60-33-0100			Paint exterior - Imron Elite and clearcoat E	1	MTL
60-33-0200			Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600			Chassis wheels not painted	1	MTL
60-33-1000			Paint pump and plumbing job colour	1	MTL
60-33-1600			Special paint compartment interior - gray zolatone E	1	MTL
60-33-2200		<	Lettering - 80 letters up to 3" tall - 3 colour Truck year and Pump size on LS and RS in reflective 2" letters KEEP BACK 150 METERS - rear with 3" letters "Aylesford Fire" on the front slope of the chassis roof Rest to match M08-10781	1	MTL
60-33-2300	S	<	Lettering - special graphics E Canadian flags in the front grill and each side roll up door on the pump panels. Stop, Drop and Roll on rear compartment doors. Dial 911 on rear compartment doors. Crossed Canadian and Nova Scotia flags on the back	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			compartment door. Customer to sign off on drawing for final approval before lettering is applied.		
60-33-3000			<i>Reflective stripe - 4" white</i>	1	MTL
60-33-3310			<i>Reflective stripe - red and yellow chevron at rear</i>	1	MTL
60-33-4600	S	<	<i>Hinged diamond back covers over speedlay - with end tarps (black)</i> End Tarps to have magnets like Elmsdale M12-16022	1	MTL
60-33-5000	S	<	<i>Aluminum cover over hose bed with end tarps - black</i> E Department requests sand filled end tarps instead of Velcro. The hose bed end tarps will extend to the outside edges of the hose bed and will overlap in the middle (with Velcro) to prevent dust from penetrating the hose bed.	1	MTL
60-40-5500		<	<i>Suction hose tube (each) with door</i> To be completely enclosed and sealed to minimize dust infiltration.	2	MTL
60-41-9500	S	< >	<i>Zico Horizontal Ladder Access system</i> The ladder rack is to be wired so only operable when park brake is engaged and interlocked with all the roll up doors on right side of body (Curb side) with the exception of the roll up door for the RS pump. (Use Weldon Hercules node (p/n 1031631, with 1030136 input connector and 1030137 output connector for interlock wiring). A light will be installed that will illuminate the cylinder assembly to ensure the operator can see if anything is tangled up during deployment or storage. Include HLAS-OS optional stop. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.	1	MTL
60-41-9510		<	<i>ZICO HLAS switched at rear above tail light</i> Switch is located on same side as electric rack at rear over tail lights Install a light over the switch for better night time visibility.	1	MTL
60-91-0500		< >	<i>Compartment SCBA Storage rack</i> E Store 3 SCBA bottles in each fender well compartment as shown on drawing.	1	MTL
60-99-05AA	U	<	<i>Step over rear compartment</i> There will be a non-slip step above the rear compartment for reloading equipment.	1	
60-99-10AA	U	<	<i>Access panel to fuel tank</i> There will be an access panel to the fuel tank and fuel sending unit for easy service in the back wall of the back compartment. Note: 8 foot fuel line extension is included with the Spartan chassis.	1	
60-99-15AA	U	<	<i>Rear compartment SCBA bottle storage</i> There will be a row of SCBA bottle storage at the bottom of the rear compartment. The area will be protected by a drop down door so that the bottles are protected.	1	

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-99-25AA	U		<i>Adjustable pull out tray</i>	1	
60-99-30AA	U <		<i>Fender well splash guard</i> There will be rear fender well splash guards installed over the rear wheels. This would be the same as Elmsdale M12-16022	1	
60-99-35AA	U <		<i>Full width rear mud flap</i> There will be a full width rear mud flap installed under the body. This will be like Elmsdale M12-16022	1	
60-99-40AA	U <		<i>Swinging tool board</i> There will be a swinging tool board installed in the rear right side compartment in the shallow part of the compartment. The release handle will be as low as possible. This will match Oakhill M13-17201	1	
60-99-45AA	U		<i>Stainless steel corners</i>	1	
60-99-50AA	U		<i>Non slip stepping surface and handrails</i>	1	
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-1500			<i>Stainless steel instrument panels</i>	1	MTL
70-11-2000	<		<i>Top mount instrument panel</i> The pump panel should match Miscouche M10-15248. There will be a flat portion between the walkway and the valve controls so that the valve controls won't protrude in the walkway area when fully open.	1	MTL
70-11-2500			<i>Transverse walkway</i>	1	MTL
70-11-2700			<i>No tread plate overlay on back of chassis cab</i> E	1	MTL
70-11-3000			<i>Mansaver bars - 22"</i>	1	MTL
70-11-3200	S <		<i>Colour coded tags</i> Speedlay 1 - Red Speedlay 2 - Blue Front Trashline - Green	1	MTL
70-11-3500	S < >		<i>Compartments in ends of walkway</i> Final dimensions will depend on space available when chassis is received and design is complete. The folding step will be two (2) folding steps attached together with Stainless steel plate/flat bar bolted to the underside of the step	1	MTL
70-11-5100	U		<i>Storage at rear top of pump house with doors each side and top</i>	1	
70-11-5500	S		<i>Removable right side stainless steel pump access door</i>	1	MTL
70-11-5600	S		<i>Removable left side stainless steel pump access door</i>	1	MTL
70-11-5700			<i>Transverse tread plate pump access door</i>	1	MTL
70-11-7500			<i>Heat pan-aluminum</i>	1	MTL
70-11-8000			<i>Heater in pump compartment</i>	1	MTL
70-20-0500			4-1/2" compound gauge - dual face 0-600	2	MTL
70-20-1500			2-1/2" pressure gauge - dual face 0-600	12	MTL
70-20-2500			<i>Primer control</i>	1	MTL
70-20-3300			<i>FRC InControl Governor Control</i>	1	MTL
70-20-3500			Electric water level gauge on pump panel, Class One	1	MTL
70-20-3501	U <		<i>Special water level gauge - 4 individual lights</i> There will be four (4) individual water level gauge lights mounted on the side of the body and at the rear. The colors will be Green, Blue, Orange and Red. The lights will be interlocked with the park brake.	3	

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			The rear lights will be stacked vertically		
70-20-6500			Test gauge panel	1	MTL
70-20-7500			Heat exchanger control valve	1	MTL
70-20-7600			Pump cooler control valve	1	MTL
70-21-1500			Electric Foam Level gauge	1	MTL
71-21-3101		>	Transmission warning light not required	1	MTL
			E		
			ACCESSORIES	1	MTL
80-11-5000			6" x 10' lightweight suction hose (ea)	2	MTL
80-12-2500	S	<	6" barrel strainer	2	MTL
			Barrel strainer to be stored in left side upper pump house storage with the floating strainer.		
80-12-2700			6" floating strainer	1	MTL
80-12-4500		>	6" low level strainer with 1-1/2" venturi connection	1	MTL
80-13-0500			Rubber mallet	1	MTL
80-13-0500	S	<	Rubber mallet	1	MTL
			Change Order E - add an extra rubber mallet for a total of two. Install mallets - one on left side pump panel side wall above the hose wrenches and one on right side pump panel side wall above the hose wrenches.		
80-13-1000		<	Hose wrenches (double) with holder	1	MTL
			Mount on the under side of the cover over the front trash line		
80-13-1100	S	<	Hose wrenches (triple) with holder	3	MTL
			Install on Left side, Right side and at rear		
80-13-1500		<	Bar with bracket	1	MTL
			Mounted in standard location unless otherwise specified (under back roll up door).		
80-13-2500	S	<	Pike pole, fibreglass handle	3	MTL
			Pike poles to be 12', 10' and 8' and to be mounted on the HLAS		
			All pike poles are to be D-handle		
80-13-3000	S	<	Pike pole bracket	3	MTL
			Provide 3 pairs of PAC 1003, our part number 1562258, to allow clamping in any configuration		
80-13-4000		<	Axe, pick head, fibreglass handle and bracket	1	MTL
			Shipped loose with mounting fasteners		
80-14-0500			24' 2 section extension ladder PEL 24	1	MTL
80-14-5500			14' aluminum roof ladder PRL-14	1	MTL
80-14-8500			10' aluminum folding attic ladder FL-10	1	MTL
80-14-86AA	U	<	Combination Ladder	1	
			There will be a Mastercraft 61-1055-8 combination ladder included with the unit. Store in the hose bed and protected by the partition 60-31-8400, secured at rear with Velcro strap.		
80-14-9000			Attic ladder bracket (Zico)	1	MTL
80-17-0500		<	20# dry chemical fire extinguisher and mount	1	MTL
			Mount in top rear left side compartment		
80-17-1500	S		2 gallon water extinguisher with mount	1	MTL
80-18-0500	S	<	SCBA bracket with strap - compt mount	4	MTL
			Ship the SCBA brackets loose.		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
80-19-0500	<		Large folding wheel chock - aluminum (ea) not mounted Store in small compartments behind the rear entry doors of the chassis. One each side unless otherwise specified.	2	MTL
80-20-1000	S <		1-3/4" double jacket hose - 50' length, pyrolite coupling 150' to be red in colour 150' to be blue in colour	6	MTL
80-20-1000	U <		1.75" double jacket hose - 50' length There will be three (3) lengths of double jacket hose included with the unit. The color of the hose shall be green. 2 will be stored in the front trash line hose well and the 3rd will be a spare.	3	
80-20-3000	U		Portable hand light with charger - Streamlight Survivor	4	
80-99-05AA	U <		10,000lbs portable Warn Winch Change Order G - October 30.2015 - Mount winch as laid in compartment (towards the outside of the tray with the pin towards the middle of the tray). Round the edges of the mounting angles.	1	
80-99-0800	U <		Traffic cones, mounted Orange 28" traffic cones - 5 cones total Mounting bracket will be standard plate with post Cones and mounting bracket to be shipped loose unless otherwise specified.	1	
80-99-11AA	U		Elkhart electric riser - Model 8598	1	
80-99-15AA	U <		Double female 6" swivel adapter Change Order G - October 30.2015 - Both double 6" female adapters to be installed in the rear compartment opposite the low level strainer.	2	
80-99-20AA	U		5" Storz to 6" Female Threaded adapter	2	
80-99-25AA	U		5" Storz to 4" Storz	2	
80-99-30AA	U		2.5" male threaded to 4" Storz	2	
80-99-35AA	U <		Storz wrench and holder Change Order G - October 30.2015 - Storz wrenches to be installed on right side rear of body above the Whelen 64 light module	3	
80-99-40AA	U <		Mount 6" low level and floating strainer Change Order E - The floating strainer to be stored in upper pump hose storage compartment. The Lo-Level strainer to be secured in place in the back compartment under the rear suction Change Order G - October 30.2015 - Low level strainer to be installed on the left side wall of the rear compartment with Teflon under it to protect the finish.	1	
80-99-45AA	U		Mount brooms and shovels	1	
80-99-50AA	U <		BC Extinguisher and mount There will be a 20 pound BC extinguisher supplied and mounted in top rear left side compartment.	1	
80-99-55AA	U <		4" Storz to 2.5" female with end cap There will be a 4" Storz to 2.5" female adaptor with 2.5" plug included with the unit. This will be installed on the 4" Firemen Friend. Kochek S54R425 - 4" Storz to 2.5" reducer	1	

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			Kochek PC2552 - 2.5" Plug (NSZ1 thread)		
80-99-6500	U		2-1/2" cap x male garden hose adapter	1	
80-99-70AA	U <		Brooms and shovels Metalfab will supply a round shovel, square shovel, small broom with short bristles and a long broom with long bristles.	1	
80-99-75AA	U <		Pelican LED rechargeable light Change Order G - October 30.2015 - Tie the transformer plug ins so they won't vibrate out of the receptacles.	2	
80-99-80AA	U <		Adapter mounts 7 - Storz from Kochek #MF507 4" - 5" 2 - 6" male threaded adapter (NH) from Kochek - #MM601 The loose adaptors will be mounted on the side wall of the pump panel compartments as directed by the Customer.	9	
80-99-85AA	U <		Install customer supplied monitor Install a customer supplied electric monitor. Department will be supplying a new wiring harness with the customer monitor. They have cleaned and painted it.	1	
80-99-90AA	U		Quad Stacked Deluge tips	1	
80-99-95AA	U <		Aluminum chain box (ea) Aluminum box with cutout side grab handles to store chains. Outside measurements 11-1/2" x 11-1/2" x 6". These would be installed in the rear right side compartment behind the winch.	2	
80-99-96AA	U <		Filter for Smart Power generator Supply filter for generator	1	