



Shop Order

Carrier Truck Center Inc
 Carrier Centers
 645 Athlone Place
 Woodstock, ON N4S 7V8

Municipality of Wawa
 PO Box 500
 40 Broadway Avenue
 Wawa, ON P0S 1K0

Exp. Date: 12/13/2019
Quote No: Wawa, ON-0526
Job/Order No: 21369
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

08/31/2021

PART NO	S	DESCRIPTION	QTY	ID
		== Metalfab Pumper - ULC 05/13 - 0.000 ==	1	MTL
	S	CHANGE ORDER F	1	MTL
00-05-0020		Dealer - Carrier Centers Emergency Vehicles - Rod	1	MTL
00-10-1500		Metalfab Pumper	1	MTL
00-20-0500		List of References not provided	1	MTL
00-20-1000		Company Profile	1	MTL
00-20-1501	S	Extended Body Warranty - one year bumper to bumper Included in the one year bumper to bumper warranty is two (2) service calls.	1	MTL
00-20-1551	S	Extended Paint and Corrosion Warranty - 10 year Non Pro Rated This warranty applies only to the exterior body paint. ***All warranty is FOB Metalfab's factory at 847 Central Street, Centreville, NB or the nearest Metalfab approved warranty centre.*** ***KROWN rust proofing has to be maintained by the Customer (responsibility of the Customer) for this warranty to remain in effect***	1	MTL
00-20-1700		Hale Pump Warranty - 5 years	1	MTL
00-20-1800		Polypropylene Tank Lifetime Warranty	1	MTL
00-20-2100	S	Plant Inspection Visits - 4 representative's for final inspection, costs by CCEV	1	MTL
00-20-3000	S	No Bonding Requested	1	MTL
00-20-3500		Certification for Fusion Welding of Aluminum	1	MTL
00-20-4000	S	Quality System registered to ISO 9001:2015	1	MTL
00-20-4500		Fire Apparatus Manufacturers' Association Membership	1	MTL
		GENERAL INFORMATION	1	MTL
10-11-0000		Intent E	1	MTL
10-11-0110		Vehicle data recorder included with chassis	1	MTL
10-11-1101	S	ULC S515-13 and NFPA 1901-2016 Compliance Chassis will not meet NFPA where speed is set at 70 MPH as requested by Rod Harris by e-mail on 08.13.2020	1	MTL
10-11-1500	S	> ULC Testing - Pumper - Imperial units of measure at 1050 IGPM capacity ENG. NOTE: Note in the shop note if the Fire Department wishes to witness the test The pump will be tested as 1050 IGPM due to the number of discharges	1	MTL
10-11-2100	S	Maximum length - 31' (372")	1	MTL
10-11-2200	S	Maximum height - 10.5' (126")	1	MTL
10-11-2400		Overall length is 30' or more	1	MTL
10-11-2500		General Construction	1	MTL
10-11-2600	S	Preconstruction Meeting - Costs by CCEV	1	MTL
10-11-3000		Manuals - two copies ***Two copies of manuals are required. *** Include two clear laminated circuit diagrams	1	MTL
10-11-3600	S	> Delivery - FOB Fire Department - by CCEV ENG. NOTE:	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Note in the shop note if more than 4 hours of training is required		
10-11-37AA	U	Orientation video There will be orientation videos supplied with the completed unit as requested by Rod Harris by e-mail on 03.22.2021	1	
10-11-4300	S	Payment Terms - Chassis and Body COD less 10% HB for 30 days The payment terms changed to include the chassis to be COD as requested by Rod Harris by e-mail on 11.16.2020	1	MTL
10-20-1000		Hose bed capacity - standard ULC Pumper	1	MTL
10-20-2000		Equipment carrying capacity - standard ULC Pumper	1	MTL
		CHASSIS INFORMATION	1	MTL
20-11-1000	S	Chassis supplied by Metalfab - Freightliner M2 112 four door 47,000 lb GVWR 16,000 lb front axle 31,000 lb rear axle Rear suspension is "leaf suspension" 242" wheelbase 129.08" cab to axle Cummins L9 450 EV hp @ 2100 rpm 2200 governed rpm 1250 lb-ft torque at 1400 rpm Allison 3000 EVS automatic transmission - 5 speed 320 amp alternator Jacobs C-brake - activates stop lights 264 litre fuel tank, LH ESC, VDR and seat belt display No rear back window Manual windows and door locks 12-Volt socket type power points (2) are included on dash Secure ALL ready seats in rear (3) - Metalfab will install SmartDock SCBA brackets in the seat backs - ref 80-18-1650 Nova will install brake stroke indicators Chassis will not meet NFPA where speed is set at 70 MPH as requested by Rod Harris by e-mail on 08.13.2020 Change Aluminum wheels to Black painted as approved by Rod Harris by e-mail on 06.29.2020 Black over red to match previous Freightliner Serial # 1FVACYC534HM98746 Paint spray outs were obtained from chassis dealership for Customer sign off - Customer approved L4664EY Red and L0001 black by e-mail on 02.21.2020 Paint dividing line to be specified by customer (Currently Freightliner code 065-374 Emergency 5) was approved by e-mail on 02.21.2020 Add engine compartment light - Code 469-014 Add 12 volt dual USB ports in dash (\$20.00) Change DV-2 auto drains to manual drains with cable pull cord for drains (20-90-1810). Add auxiliary air tank w/manual drain. As confirmed by Rod Harris by e-mail on 06.29.2020 Change the chassis WB and CA to match the above (242" WB, 129.08" CA)	1	MTL
20-11-1500		2013 Emission chassis modifications	1	MTL
20-11-1700	S	Chassis Motor Vehicle Inspection required - by CCEV	1	MTL
20-21-0500		Fluid capacity plate	1	MTL
20-21-0600		Pumping test plate	1	MTL
20-21-1030		Maximum riders sign - 5 persons	1	MTL
20-21-1510		Seat belt warning labels - 4 door chassis	1	MTL
20-21-1520		Helmet warning label - do not wear helmet	4	MTL
20-21-1560		LED Tire Pressure Indicators - Single Axle Ship the 180 degree extensions and tire pressure indicators loose for customer installation.	1	MTL
20-21-1600		Apparatus Information Label An information label is provided in the chassis cab, visible to the driver, stating: "When manufactured, this vehicle was: ** m high ** m long ** kg GVW Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
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
20-21-4001	S	Rear mudflaps - black - no logo	1	MTL
20-31-0200		Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-1100	S	Alum tread fuel tank covers, diamond grip steps, Conv - 4 dr	1	MTL
		Bottom step to be flush with body rubrail. Steps and trim to extend as close to the back of cab as possible to minimize the gap between the step and the pump house. As requested by Rod Harris by e-mail on 10.29.2020		
20-31-1500	S	> Special compartments in chassis steps - left and right side	2	MTL
		ENG. NOTE:		
		Specify any required dimensions, latch type in the shop note		
		There will be a compartment under the right side and the left side of the chassis cab. The compartment(s) will be as large as possible and the door opening may be smaller than the compartment. The compartment(s) will have a door ajar switch, LED light, interlocking plastic tile on the floor and be vented. As requested by Rod Harris by e-mail on 06.17.2020 and 10.29.2020		
20-31-1900	S	Chassis cab painted by chassis OEM - black over red	1	MTL
20-31-7500	S	Console in cab	1	MTL
		Install switch panel (50-11-0900 - includes 70-20-3640 mini water level readout), siren (50-11-1492), traffic bar controller (50-11-6611), air horn control switch (20-52-0011) and pump shift (30-51-0500) in console. There will be a DIN mount supplied by Carrier to be installed which arrived at Metalfab 09.02.2020 and was given to Inventory Control.		
		Storage area with hinged cover and lift and turn latch provided at rear of console.		
		Gray Zolatone finish.		
		Have Carrier approve console layout before build - approved by Rod Harris by e-mail on 03.11.2021		
20-41-0900		Auxiliary braking system disabled when pumping	1	MTL
20-41-1100		Transmission programming - Allison WT	1	MTL
20-41-1500		Extend exhaust pipe - RS front of rear wheels E	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
20-41-2510		Fuel fill at step fuel tank under cab	1	MTL
20-41-2600		Chassis fuel tank remains in OEM location	1	MTL
20-41-5000		Rear Tow Hooks - under body	1	MTL
		*** Flat bar tow hooks under rear step (2)		
20-51-0710		Master Battery Disconnect included with Freightliner chassis	1	MTL
20-51-2500		Back up alarm included with chassis	1	MTL
20-51-3100	S	Air inlet not requested	1	MTL
20-51-3400		Protection valve installed for air operated accessories	1	MTL
20-51-6200	S	> 120 volt 20 A shore line connection in chassis cab	3	MTL
		ENG. NOTE:		
		Requires 20-51-75 120 volt auto eject or 20-51-80 120 volt inlet		
		Standard 5-20R duplex receptacle in chassis cab, not fused		
		Receptacle #1 - on back wall of cab for the 20-51-6501 battery conditioner to plug into		
		Receptacle #2 - Towards the front right side of the console		
		Receptacle #3 - In L3 compartment in upper left portion of the compartment		
		As requested by Rod Harris by e-mail on 08.03.2020		
20-51-6620	U	Kussmaul 1200 pump/plus - compressor with automatic drain	1	
		Located as follows:		
		Conditioner in cab behind rear seat.		

PART NO	S	DESCRIPTION	QTY	ID
		12 Volt DC compressor located in pump house accessible through RS pump door opening complete with shield.		
20-51-7101	S	<i>Electric System Management - VMUX</i>	1	MTL
20-51-7500	S	<i>Super Auto eject for 120 v - 20 A with sealed enclosure</i> Located on LS cab step area.	1	MTL
20-51-8505		<i>Engine compartment light included with chassis E</i>	1	MTL
20-51-9001	S	<i>Air horns as supplied by chassis OEM</i> Air horns are included with the chassis that are located on the hood, one each side with snow shields. Air horns are controlled by horn ring (264-028) and push button (20-52-0010) on the console (20-31-7500). Metalfab will remove foot switches when chassis arrives.	1	MTL
20-51-9500	U	<i>Code 3 Utility 33" LED lightbar under front bumper</i> Code 3 Model #UTLY33-DC Metalfab p/n 1571062 The apparatus should be equipped with a 30" road light bar mounted to front bumper. It shall be wired for one ON/OFF switch only.	1	
20-52-0010	U	<i>Air horn control switch on center console in cab</i> Momentary switch on console - p/n 1030558 Note: Metalfab will remove the foot switches included with the chassis when it arrives at Metalfab	1	
20-52-3500		> <i>Chassis steering wheel lined up by Metalfab E</i> ENG. NOTE: Freightliner, Sterling, and Spartan only	1	MTL
20-52-4001		<i>Rear View Camera system 7"</i> Rearview Systems STM7000 with 7" colour monitor in cab mounted on a rigid mount on dash.	1	MTL
20-60-0400		Chassis wheelbase does not change	1	MTL
20-90-1500		> <i>12 volt power point E</i> ENG. NOTE: Specify location in shop note Located in chassis dash close to the one supplied w/chassis. Socket type receptacle. Assess when chassis arrives - chassis to be ordered with two 12 volt socket type and one dual USB type power point which would suffice the Customer's needs.	1	MTL
20-90-1810	U	<i>Extend air tank drain/moisture ejectors to rubrail and tag/label</i>	1	
		PUMP AND PLUMBING	1	MTL
30-11-8100	S	<i>Hale QMAX-XS 1250 IGPM single stage pump</i> QMAX "XS" for the narrow pump house. The pump will be tested at 1050 IGPM capacity due to the amount of discharges - see 10-11-1500	1	MTL
30-12-3500		<i>Mechanical seal for Hale QMAX/QTWO pumps</i>	1	MTL
30-15-0104		<i>Plumbing - Hale manifold pump SM SS E</i>	1	MTL
30-20-0500		Valves and controls - side mount panel	1	MTL
30-20-1003		<i>Elkhart valves specified</i>	1	MTL
30-20-1600		<i>Piping stainless steel - general</i>	1	MTL
30-20-1700	S	<i>1-1/2" thread specifications - NPSH</i>	1	MTL
30-20-1800	S	<i>2-1/2" thread specifications - CSA</i>	1	MTL
30-20-2000		<i>Piping hydrostatic test</i>	1	MTL
30-20-2500		<i>Anodes in suction and discharge piping</i> 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

PART NO	S	DESCRIPTION	QTY	ID
30-21-95AA	U	Price Adjustment	1	
30-21-95BB	U	Tank to Pump 4" ball valve w/electric control on pump panel - Elkhart APEX-S controller on pump panel only as requested by Rod Harris by e-mail on 06.17.2020	1	
30-22-1520		Tank Fill valve 2-1/2" SS	1	MTL
30-31-4010		Suction - 6" not gated each side manifold pump	1	MTL
30-32-7530		Suction - 2-1/2" left side SS, bleeder, Hale manifold pump	1	MTL
30-32-8030		Suction - 2-1/2" right side SS, bleeder, Hale manifold pump	1	MTL
30-41-2020		2-1/2" RS discharge SS, bleeder, Hale manifold pump To be labelled "Passenger Side Discharge 3" and "Passenger Side Discharge 4"	2	MTL
30-41-2520		2-1/2" LS discharge SS, bleeder, Hale manifold pump To be labelled "Driver Side Discharge 1" and "Driver Side Discharge 2"	2	MTL
30-43-1520		2-1/2" rear discharge SS, plumbed 2-1/2", bleeder To be labelled "Driver Side Rear 3"	1	MTL
30-44-0520		1-1/2" crosslay (each) SS, 2" valve, bleeder Capacity for 200'x1-3/4" fire hose in each hose lay	2	MTL
30-51-0500		Pump shift-Midship air ***Includes "Pump Engaged" and "OK to Pump" indicator lights in cab. ***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		Class One "TPG Plus" Governor/Throttle	1	MTL
30-51-7000		Suction side relief V/V, manifold pump	1	MTL
30-51-7718		Trident Automatic Air Primer 3 barrel 1 location with gauge	1	MTL
30-51-7720	S	Additional air tank for air primer system - order with chassis An additional air tank is provided to improve air primer capacity plumbed through air pressure protection valve	1	MTL
30-51-8100		Heat exchanger included with chassis	1	MTL
30-51-9100		Thermal Relief Valve with warning light Located on LS operator's panel.	1	MTL
30-52-1000		Master drain V/V, 12 port	1	MTL
30-52-2000	S	Drain valve for foam system header There will be a foam header drain supplied and installed on the LS pump panel	1	MTL
30-52-5510	S	Foam system-Hypro FoamPro 2001 Single Tank Foam system is plumbed to both crosslays (30-44-0520) and rear 2.5" discharge (30-43-1520) unless other wise specified. The unit was changed to a single tank unit as requested by Rod Harris by e-mail on 06.17.2020	1	MTL
30-52-6500	U	Price Adjustment	1	
30-52-8100	U	Price Adjustment	2	
30-52-8100	S	Electric foam fill pump with panel pickup There will be one (1) foam tank refill pump supplied and installed on the right side of the pump panel. The pickup tube will be stored in the pump house. As requested by Rod Harris by e-mail on 06.17.2020	1	MTL
30-52-9100	S	Foam concentrate label at foam tank fill There will be a foam concentrate label at foam tank fill supplied and installed.	1	MTL
30-52-9200	S	Foam System Instruction Plates There will be a foam system instruction plate supplied and installed on the LS pump panel.	1	MTL
30-52-9400	S	NFPA Foam System certification test There will be a NFPA foam system certification test performed.	1	MTL
WATER AND FOAM TANKS			1	MTL
40-11-2100		Polypropylene water tank (Imperial gallons)	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
40-11-2200		Water tank capacity certification (tank manufacturer)	1	MTL
40-11-6000		Tank capacity 1400 Imperial Gallons	1	MTL
40-12-4500	U	Price Adjustment	2	
40-12-5101	S	Foam cell - 40 Imperial Gallons The foam cell will be 40 Imperial Gallons as requested by Rod Harris by e-mail on 06.17.2020	1	MTL
40-13-0100	S	> Through the tank tunnel - for ladder storage ENG. NOTE: Charge 60 per cubic foot of tunnel volume For storage of 24' extension ladder (80-14-0500) and 14' roof ladder (80-14-5500) See also 60-40-9000	1	MTL
40-21-1000		4" tank to pump connection	1	MTL
40-22-1000	S	2-1/2" tank fill connection	1	MTL
40-23-0500		1" water level gauge connection	1	MTL
40-23-1050		4" Fireman's Friend connection	1	MTL
40-23-1060		10" Newton dump connection	1	MTL
40-30-0400		3" plug in sump box	1	MTL
40-30-1000		Water Fill Box front left corner	1	MTL
40-31-4500		10" rear Newton dump, painted steel	1	MTL
40-31-4600		Newton dump, side mount manual operation, painted steel Lock open device is required Minimum 34" clearance from ground level to bottom of dump	1	MTL
40-31-5600	S	> Rotating dump chute for Newton dump painted steel w/telechute ENG. NOTE: Requires top mount control on dump valve Tender asked for a flip chute - a tele-chute was quoted. Customer specified that the tele-chute was the preferred option - as advised by Rod Harris by e-mail on 08.13.2020	1	MTL
40-31-5800		Support for rotating dump chute if necessary Engineering to determine if this support is required	1	MTL
40-31-59AA	U	Dump valve opening shroud/shield - not painted, buffed aluminum To fill in area between tank and side mount actuator. Similar to Magnetawan, ON - M19-20515	1	
40-31-9000	S	4" Storz rear fill, Fireman's Friend, bleeder Located right of dump and extended so when hose is attached it will clear the dump/dump chute. Install 80-99-15AA adapter on rear fill. 4" Storz cap not required.	1	MTL
ELECTRICAL			1	MTL
50-11-0300		Base electrical system - multiplex E	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		Rocker switch panel with master warning switch ***Rocker switch assignments: MASTER -LIGHT BAR RED -LIGHT BAR CLEAR -REAR BEACONS -FLASHING WARNING -RIGHT SCENE LIGHT -LEFT SCENE LIGHT -REAR SCENE LIGHT -UTILITY LIGHT BAR -WATER LEVEL GAUGE (70-20-3640)	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-11-1492	U	Whelen Siren - 295SLSA1	1	
50-11-1632	U	Whelen siren speaker - SA315P - 100 Watt in front bumper	1	
50-11-2600		Siren to be accessible to driver and officer	1	MTL
50-11-6108	U	Whelen light bar - F4N7VLED - 72" 4 red, 4 white, 2 blue P/N 1571144 WeCAD drawing to be supplied for Customer approval - Rod Harris approved layout by e-mail on 08.13.2020	1	
50-11-6611	U	Rear LED Traffic Advisor - Whelen TANF85 surface mount The light bar shall have a control panel located in the chassis cab. The control shall have the ability to provide for various flash patterns and shall incorporate a display to show the selected flash pattern on the control panel. The traffic advisor shall activate in flash mode when the master switch is activated. The unit will be surface mount	1	
50-11-8640	U	Whelen L31HRFN LED Rear beacons (pr) - both red	1	
50-12-85AA	U	Whelen LED M6 front and front side flashers - red with chrome bezels	1	
50-12-88AA	U	Body side LED flashers (pr) - Whelen M6 in rear fenders - red with chrome bezels	2	
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" Located in console over driver's seat - Min 2" diameter red flashing light.	1	MTL
50-21-5550		Equipment rack not stowed warning light Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on" For PTS and rear access ladder not stowed. Located in console over driver's seat - Min 2" diameter red flashing light.	1	MTL
50-21-8001	S	Step lights for body steps - LED Switched with park brake.	1	MTL
50-21-8201	S	Step lights for chassis steps - LED Switched with park brake.	1	MTL
50-21-83AA	U	LED lights for rear access ladder and rear platform/step Switched with park brake.	1	
50-21-8600		LED clearance lts and reflectors	1	MTL
50-21-8605	U	Polished aluminum license plate holder with LED light	1	
50-21-8800		LED intermediate turn signal/clearance/reflector length >30'	1	MTL
50-22-0770	U	Whelen M6 LED tail light assembly M6FCV4 housing	1	
50-31-6010		Scene light boxes (pr) - tread plate E Right side only	1	MTL
50-31-6040	U	Scene lights (pr) FRC SPA900-Q70 - RS Located right side upper corner. Switched in cab and can be managed to shed.	1	
50-31-6041	U	Scene lights (pr) FRC SPA900-Q70 - LS Located left side upper corner. Switched in cab and can be managed to shed.	1	
50-31-6042	U	Scene lights (pr) FRC SPA900-Q70 - Rear Switched in cab and when transmission is placed in reverse gear. These lights cannot be managed as they are required for rear scene lighting to meet ULC.	1	
50-31-6560		Ground lighting (LED Lumabar) - 4 door chassis Switched with park brake.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-31-6570		Ground lighting (LED Lumabar) - side mount body Switched with park brake.	1	MTL
50-31-6595	U	Ground light midship of body (ea) - LED Lumabar Switched with park brake. Located under compartment L1 and R1	2	
50-35-0500	S	Installation of customer supplied mobile radio components Carrier to supply two (2) cable kits and one (1) jack to run from left side upper wall of L1 compartment to console 20-31-7500 as requested by Rod Harris by e-mail on 09.10.2020. There will be a power cable supplied from Carrier and installed in the console. All components arrived at Metalfab on 09.02.2020 and were given to Inventory control.	1	MTL
50-35-0559	S	Mobile radio antenna provided by customer Metalfab will install Carrier supplied antenna base centered from left to right and front to back behind the light bar. The cable will be run to the console 20-31-7500 as requested by Rod Harris by e-mail on 08.13.2020. It arrived at Metalfab on 09.02.2020 and was given to Inventory control.	1	MTL
50-35-10AA	U	Price Adjustment	1	
50-99-10AA	U	Hose bed cover lights - 40" LED Lumabars	1	
		BODY	1	MTL
60-10-1400		Single axle extruded aluminum body	1	MTL
60-10-1488	U	Compartment vents to include removable and replaceable particulate filters	5	
60-10-15AA	U	1" drop on lower edge of compartment floors - sweep out type	1	
60-10-4100		No "beavertail" rear step supports	1	MTL
60-10-4600		Painted fender surround E	1	MTL
60-10-4750		Removable polished aluminum fender trim - single axle The fender trim will be a three (3) piece design	1	MTL
60-10-5400		> Diamondback pumphouse steps ENG. NOTE: Maximum height of step is 24" from ground	1	MTL
60-10-5430		> Diamondback 19" rear step ENG. NOTE: Maximum height of rear step is 24" from ground	1	MTL
60-10-6500		Bolt on extruded aluminum rub rail E Red and white reflective to be installed	1	MTL
60-11-0300		> Front left side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0500		> Front right side compartment to top of wheel well ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-1000		> Rear left side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-1100		> Rear right side compartment to top of wheel well ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-2000		> High side compartment (over 18") each ENG. NOTE: 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		No rear compartment E	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-11-5600		Rollup door - painted job colour - standard height Painted to match body Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	3	MTL
60-11-5620		Rollup door - painted job colour - full height Painted to match body Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	2	MTL
60-11-5630	S	Rollup door - painted job colour - to enclose pump panel Painted to match body Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	1	MTL
60-11-5655	U	Amdor pull straps - Flex-HD - L2 compartment For front left, rear left and high side compartment.	1	
60-11-5660	U	Amdor pull straps - Flex-HD - L1,L3 compartments and left pump compartment door	3	
60-31-4100		Extruded aluminum handrails Minimum 2" clearance from handrail to any surface	1	MTL
60-31-5000	S	Access Ladder at rear of unit Minimum 7" clearance between rung and any obstruction Switch for equipment not stowed light in cab. Customer (CCEV) specified that the Zico access ladder model will be acceptable - as advised by Rod Harris by e-mail on 08.13.2020 Installed on left side at rear unless otherwise specified.	1	MTL
60-31-5500	S	Steps at rear of body (folding) with LED lights Maximum height between steps is 18" Opposite of rear access ladder only.	1	MTL
60-31-5600		Steps and grab handles at front of body next to pump panel Right side only Maximum height between steps is 18"	1	MTL
60-31-5800	S	Intermediate platform on rear of unit As wide as possible. Maximum 18" from hose bed level Requires lighting to meet ULC Requires reflective yellow delineation on step surface to meet NFPA. See proposal dwg.	1	MTL
60-31-6510	U	Compartment matting - Turtle tile Black Turtle Tiles	1	
60-31-8006	U	BA bottle compt (ea)-fender well Retaining loops included Customer to specify make and model of cylinder to be stored Make - MSA Model - G1 # 7-1348-1 Diameter of cylinder - 6-1/4" Overall length of cylinder - 23-1/4" Photo of valve/cap (to ensure retaining loop will fit) - saved at F:/Data/Jacques/Current Projects/Wawa/Pictures As advised by Rod Harris by e-mail on 08.13.2020	4	
60-31-8400	S	Fixed vertical partition There will be a 36" high vertical partition installed on the pull out tray in the L3 compartment. It will have a stiffner plate at each side and will have rubber bumpers on the upper back portion of the plate. The plate will be installed as close to the body break as possible to allow a tall tool to be installed on the front face. As requested by Rod Harris by e-mail on 08.13.2020	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-31-8800	U	Price Adjustment	4	
60-31-8800	S	> Sliding tray (ea) - 600 pound capacity 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 Tray #1 - rear left compartment Tray #2 - front right compartment Tray #3 - Rear right compartment As requested by Rod Harris by e-mail on 08.13.2020	3	MTL
60-31-9600	S	> Adjustable shelf (ea) ENG. NOTE: Specify location Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Shelf #1 - front left compartment - fixed shelf at body break Shelf #2 - front left compartment - full depth in lower portion of compartment Shelf #3 - rear left compartment - shallow depth in upper portion of compartment Shelf #4 - rear left compartment - shallow depth in upper portion of compartment As requested by Rod Harris by e-mail on 08.13.2020 and by e-mail on 09.10.2020	4	MTL
60-32-3550	S	Two adjustable hose divider (each) and one fixed in center to support HB covers Hand hold required in end	1	MTL
60-32-7500		Hose bed - aluminum	1	MTL
60-33-0100	S	Paint exterior - Imron Elite and CLEARCOAT - black over red *** Paint code and color to match cab Reference 20-11-1000 for cab paint dividing line Paint dividing line on body was specified by customer as follows: Above the compartments on LS - extrusion will be red and everything above is black Above the Porta tank on RS - same height as LS. Upper pump house compartment remains deck plate. Entire suction hose door will be black See diagrams in F:/Data/Jacques/Current projects/Wawa As advised by Rod Harris by e-mail on 09.04.2020 and confirmed by e-mail on 05.26.2021	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600		Chassis wheels not painted Black from Freightliner factory	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
60-33-2300	S	Lettering - as customer's requirements The cab front doors shall have the Wawa Volunteer Fire Department crest applied. Will be provided - Two crests arrived at Metalfab 11.05.2020 A graphic of a telephone receiver over the numbers "911" shall be provided on both rear side roll up doors. The graphic shall be roughly 10" in height and shall be done in gold with black shadow. On both driver and passenger rear doors of cab the word "Tanker 4" shall be gold with black shadow lettering. The finished body side of the portable tank enclosure shall be provided with a slogan in gold with black shadow lettering. The verbiage shall read "SMOKE AND CO ALARMS SAVE LIVES" As advised by Rod Harris by e-mail on 10.27.2020	1	MTL
60-33-23AA	U	Additional loose lettering Additional lettering to be shipped loose - 2 of each: "PUM1PER" "PUM2PER"	1	

PART NO	S	DESCRIPTION	QTY	ID
		"RES3CUE" As approved by Rod Harris by e-mail on 05.21.2021		
60-33-3300	S	Black reflective stripe - 4"-1"-1" There shall be a black reflective stripe running the full length of the apparatus on both sides. The stripe shall incorporate a large scrolling "Z" pattern. The stripe shall be one 4" and two 1" black 3M reflective material. As requested by Rod Harris by e-mail on 08.13.2020 and by e-mail on 09.10.2020	1	MTL
60-33-3310	S	Reflective stripe - red and yellow chevron at rear - 3M Diamond Grade Minimum 50% of vertical surfaces.	1	MTL
60-33-3600		Reflective stripe - inside entry doors 96 square inches minimum inside each cab and crew cab entry door	1	MTL
60-33-4600	S	Aluminum cover over crosslays - with end tarps (black) The end tarps will be restrained by shock cord and j-hooks on the bottom and 1/4 turn latches on the top. As requested by Rod Harris by e-mail on 08.13.2020	1	MTL
60-33-5000	S	Aluminum cover over hose bed with end tarps - black The end tarps will be restrained by shock cord and j-hooks on the bottom and 1/4 turn latches on the top. As requested by Rod Harris by e-mail on 08.13.2020	1	MTL
60-40-5500	S	Suction hose tube (each) with door Left side over high side compartment - for storage of the two 6"x10' suction hoses (80-11-5000). Door ajar switch required, "push to latch" type door latch (similar to p/n 1561737).	2	MTL
60-40-9000	S	> Tube mount for ladders, with rear door (through tank) ENG. NOTE: Specify location, ladders to be installed in this tube, complete dimensions of ladders if user supplied For storage of 24' extension ladder (80-14-0500) and 14' roof ladder (80-14-5500). Ladders to be separated by a partition Smooth plate, painted door to have a "D" handle Door ajar switch required Door will be drop down type with rubber bumpers to protect door finish.	1	MTL
60-41-1000	S	Pike Pole tube - rear access Located over right side compartment. 1 tube for 8' pike pole (80-13-2200) 1 tube for customer supplied pike pole will be set up for an 8' long pile pole as advised by Rod Harris by e-mail on 08.13.2020	2	MTL
60-41-1500		Attic ladder tube with rear door Located RS over compartments for 10' attic ladder (80-14-8500) Door ajar switch required	1	MTL
60-41-6001	S	> Zico hydraulic portable tank rack ENG. NOTE: Specify mounting location desired. If Portable tank is customer supplied, specify overall dimensions when the tank is in stored position Located on the right side for 1750IG Porta tank (80-15-10AA) To be wired so only operable when park brake is engaged and if required, SCBA doors 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		ZICO PTS switched at rear above tail light Switch is located on same side as electric rack - Right Side	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-41-6110		Painted plate on exterior of Zico PTS	1	MTL
60-41-7100		Tread plate on body behind porta tank rack	1	MTL
60-99-15AA	U	Hose bed "Keep Open" safety locks Similar to Georgina, SOPT in file FTM # _____	1	
INSTRUMENTATION				
70-11-0000		Warning Label on Pump Operator's Panel	1	MTL
70-11-0501		Side mount instrument panel with rollup door LS only 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
70-11-1000		Black zolatone 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
70-11-3205	U	Vision Mark colored tags - Imperial units of measurement Reference 30-41-2020, 30-41-2520 & 30-43-1520 for 2-1/2" discharge tag descriptions. Tags will be standard Metalfab colors unless otherwise specified.	1	
70-11-4500		Diamondback grip type panel hood step right side Requires delineation around perimeter and LED lighting.	1	MTL
70-11-5100	S	Open storage at rear top of pump house There will be open top storage on top of the pump house that will be illuminated (LED Lumabar will activate with the park brake), will have drain lines plumbed to the area below the chassis frame rails and will have interlocking plastic tiles on the floor. As requested by Rod Harris by e-mail on 08.13.2020	1	MTL
70-11-52AA	U	Hinged cover over pump house top storage 70-11-5100 There will be a deck plate cover on the top pump house storage that will hinge towards the chassis cab, have gas struts and will be wired to the door ajar warning circuit. As requested by Rod Harris by e-mail on 08.13.2020 SOPT 610	1	
70-11-52AA	U	End doors at each end of top pump house storage 70-11-5100 There will be horizontally hinged end doors to the top pump house storage 70-11-5100. The doors will flip up with gas struts to keep them open and will be wired to the door ajar warning circuit. As requested by Rod Harris by e-mail on 08.13.2020 and 09.10.2020 SOPT 146	1	
70-11-5500		Right side tread plate pump access door No opening dimension less than 18"	1	MTL
70-11-7550	U	Heat pan-aluminum extreme weather type	1	
70-11-8000		Heater in pump compartment Switch located on pump operator's panel - LS	1	MTL
70-11-8200	U	Rubber seal around suction and discharge openings on side pump panels	1	
70-20-1120	U	4-1/2" compound gauge - dual face 0-400	2	
70-20-2130	U	2-1/2" pressure gauge - dual face 0-400	7	
70-20-2500		Primer control	1	MTL
70-20-3100		Class One Governor Control Throttle can be no lower than 42" and no higher than 72" from operator's standing position.	1	MTL
70-20-3500	S	Electric water level gauge on pump panel, Class One	1	MTL
70-20-3610	S	Remote PSTANK2 water level indicators each side, rear with driver Interlock with park brake so powered only when the park brake is set.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
70-20-3640	U	Additional remote water level gauge readout, Class One mini in cab Located with switch bank (50-11-0900)	1	
70-20-6500		Test gauge panel Mount below the compound gauges for proper draining	1	MTL
70-20-7500		Heat exchanger control valve	1	MTL
70-21-5500		Panel readout for Battery Conditioner Indicator shall be located on the interior of the cab and viewable from the exterior while standing at ground level, with driver's door open.	1	MTL
71-21-3500	U	Price Adjustment	1	
		ACCESSORIES	1	MTL
80-11-5000		6" x 10' lightweight suction hose (ea) Tube mounted	2	MTL
80-13-1000		Hose wrenches (double) with holder One LS panel, One RS panel where space permits.	2	MTL
80-13-2200	U	Pike pole - 8' with fibreglass handle Tube mounted P/N 1520796	1	
80-14-0500		24' 2 section extension ladder PEL 24 Tube mounted	1	MTL
80-14-5500		14' aluminum roof ladder PRL-14 Tube mounted	1	MTL
80-14-8500		10' aluminum folding attic ladder FL-10 Tube mounted	1	MTL
80-15-10AA	U	1750 l gallon porta tank - Husky The porta tank will be stored on the PTS, will be yellow in color, have rubber handles on the floor and dual drains. As requested by Rod Harris by e-mail on 06.17.2020	1	
80-18-0650	U	SCBA bracket for cab seat - Smart Dock (ea) P/N 1562648	3	
80-19-0500	S	Large folding wheel chock - aluminum (ea)	2	MTL
80-19-0600		> Horizontal bracket for folding wheel chock (ea) ENG. NOTE: Specify location, otherwise ship loose LS front of rear wheels under L1	2	MTL
80-99-10AA	U	Price Adjustment	1	
80-99-15AA	U	4" Storz to 2-1/2" female adapter with CP Plug for rear fill Adapter - P/N1501814 CP plug - P/N 1500290	1	