



Shop Order

New Maryland Fire Department
Chief Harry Farrel

Sales Rep: Ryan Stacey	Terms: Body and Equipment COD
Drawing #: FT-11514	
Est. Delivery Date: / /	
Customer PO #:	Penalty:
Customer #:	None
QPF #:	

Exp. Date: 05/06/2022
Quote No: JNENB-0022
Job/Order No: 23278
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

09/30/2024

PART NO	QTY	DESCRIPTION
== Metalfab Pumper - ULC 05/13 - 0.000 ==		
Change Order H		
00-05-0010	1	Dealer - Metalfab
00-10-1500	1	Metalfab Pumper
00-20-1000	1	Company Profile
00-20-1500	1	Standard Body Warranty
00-20-1550	1	Metalfab Limited Ten (10) Year Paint and Corrosion Warranty
00-20-1700	1	Hale Pump Warranty - 5 years
00-20-1800	1	Polypropylene Tank Lifetime Warranty
00-20-2000	1	Plant Visits - unlimited at customer expense
00-20-3000	1	No Bonding Required
00-20-3500	1	Certification for Fusion Welding of Steel and Aluminum
00-20-4000	1	Quality System registered to ISO 9001:2015
00-20-4500	1	Fire Apparatus Manufacturers' Association Membership
GENERAL INFORMATION		
10-11-0000	1	Intent
10-11-0105	1	Vehicle Data Recorder not requested
10-11-1100	1	ULC S515-13 Compliance
ENGLISH ONLY ULC compliance labels		
10-11-1500	1	ULC Testing - Pumper - Imperial units of measure
10-11-2100	1	Maximum length 32' - 6" or 390"
10-11-2200	1	Maximum height not specified
10-11-2400	1	Overall length is 30' or more
10-11-2500	1	General Construction

PART NO	QTY	DESCRIPTION
10-11-3000	1	Manuals - two copies ***Two copies of chassis manuals are required.
10-11-3600	1	Delivery - FOB Fire Department
10-11-4000	1	Payment Terms - Body and Equipment COD Invoice to be submitted minimum 6 weeks before delivery for processing
10-20-1400	1	Hose capacity exceeding ULC/NFPA requirements 3600' of 2.5" hose in main hose bed 1200' of 1.75" hose - 200' in each speedlay and 800' in main hose bed Add 2000 pounds over standard hose load for ULC test.
10-20-2000	1	Equipment carrying capacity - standard ULC Pumper
		CHASSIS INFORMATION
20-11-1000	1	Customer supplied chassis - 2024 Freightliner M2 106 2-door, 2 passenger, aluminum wheels, exterior visor DD8 375 HP @ 2200/ 2600 governed, 1050 @ 1200 torque Paint code Elite BC paint L1132EY Red 3000 EVS transmission 6 speed 16,000 front axle, 31,1000 rear axle air ride, 47,000 GVW Disc brakes front, drum brakes rear 246" WB, 70" AF, 181" CA Add rear suspension dump valve with cab control - program so when park brake is released the air bags will reinflate - work will be done by Valley Equipment when truck is available.
20-11-10AA	1	Chassis Dealer - Valley Equipment
20-11-1500	1	2013 Emission chassis modifications
20-11-1700	1	Chassis Motor Vehicle Inspection required - NB To be done month of delivery
20-21-0500	1	Fluid capacity plate
20-21-0600	1	Pumping test plate
20-21-1030	1	Maximum riders sign - 5 persons
20-21-1500	1	Seat belt warning labels - 2 door chassis
20-21-1515	1	Seat belt warning labels - Crew Cab interior seat
20-21-1560	1	LED Tire Pressure Indicators - Single Axle
20-21-1600	1	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"
20-21-2000	1	Non removable key
20-21-2500	1	Shifter lock not required
20-21-3500	1	Rear step warning label
20-21-3810	1	Front mudflaps provided with chassis
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only

PART NO	QTY	DESCRIPTION
20-31-0500	1	Alum tread fuel tank trim, Conv - 2 door Vertical trim only, OEM cab steps remain Lower chassis step to be even with body rub rail
20-31-1900	1	Chassis cab painted by chassis OEM
20-31-4710	1	Extend front bumper, gravshld with hosewell, cover, and D handle latch ***Bumper to be extended minimum length ahead of cab to house front suction, Q2B and 100' trash line. Trash line to have an auto-drain. Discharge is plumbed to a chrome swivel elbow mounted above the gravelshield. Include a notch in the compartment cover to allow the hose to be pre connected. D handle latch and gas strut provided Compartment size to allow two (2) rolled 50' lengths of hose to match existing unit. See pictures O:/Metalfabphotos/Road/New Maryland/Pumper
20-31-7500	1	Console in cab - Custom Install siren, GoLight, pump shift in console and communication radios. Storage area with hinged cover and lift and turn latch provided at rear of console. Gray zolatone finish with matte black powder coated plates Provide a layout drawing prior to fabrication for customer approval Console layout approved May 10
20-41-0600	1	Intake air shutoff for engine not requested
20-41-0900	1	Auxiliary braking system disabled when pumping
20-41-1100	1	Transmission programming - Allison WT
20-41-1500	1	Extend exhaust pipe - RS front of rear wheels 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. Provisions required for fire hall Plymovent ventilation system. The space between the exhaust and rub rail will be 2-3/4" and the exhaust will be even with the rub rail Refer to picture in O:/Metalfabphotos/Road/New Maryland/Pumper Include a collar 3" from the end of the exhaust, no diverter.
20-41-1900	1	Battery boost terminals with chassis
20-41-2000	1	Chassis batteries remain in OEM location
20-41-2510	1	Fuel fill at step fuel tank under cab
20-41-2600	1	Chassis fuel tank remains in OEM location
20-41-5000	1	Rear Tow Hooks - under body *** Flat bar tow hooks under rear step (2)
20-41-5200	1	Rear trailer receiver and trailer wiring - Class III/IV, 7 pin connector Trailer harness to be wired to industry standard unless otherwise specified Include a load rating label to meet ULC
20-41-5210	1	Front receiver Include a load rating label to meet ULC
20-41-5215	2	Side receiver, under body One each side behind rear axle at centre of compartment
20-41-52BB	2	Warn 5000 DC Utility winch and remote plus hitch mount 99963-WRN 5000 DC Utility Winch and remote with 68532-WRN hitch mount for 2" receiver

PART NO	QTY	DESCRIPTION
20-41-5500	1	ON SPOT Automatic traction chains Switch to be on chassis dash
20-51-0710	1	Master Battery Disconnect included with Freightliner chassis
20-51-2500	1	Back up alarm included with chassis
20-51-3400	1	Protection valve installed for air operated accessories
20-51-4000	1	Auto eject for air inlet - LS chassis step
20-51-6200	3	120 volt 20 A shore line receptacle in cab and crew cab Standard 5-20R duplex receptacle in chassis cab, not fused To be 12" from the floor to meet ULC. One provided on back of chassis cab for the Kussmaul Conditioner (20-51-6500) to plug into (included in package for 20-51-6500) 1. At the RS end of the radio shelf (60-31-9610) 2. At the LS end of the radio shelf (60-31-9610) 3. Above the pump panel
20-51-6500	1	Kussmaul Autocharge 1000 battery conditioner w/battery saver
20-51-7102	1	Electric System Manager included with VMUX
20-51-7500	1	Super Auto eject for 120 v - 20 A with sealed enclosure - left side chassis step
20-51-9001	1	Air horns on hood and dual lanyard controls from chassis OEM
20-52-1010	1	Federal LED Littlite gooseneck map light (ea) Mount on officer side A-post
20-52-3500	1	Chassis steering wheel lined up by Metalfab
20-52-4009	1	Pro-Vision camera system - 4 cameras - front, right, left and rear - with DVR Monitor in the cab will show the respective side camera views when the turn signal is on, and will show the rear view camera when the transmission is in reverse. Monitor mounted on an arm on the dash between the HVAC vents
20-52-41AA	1	Pro-Vision monitor in crew cab Provide an additional monitor at the crew cab top mount panel to view LS, RS, rear cameras
20-60-0400	1	Chassis wheelbase does not change
20-61-3000	1	Enclosed crew cab - aluminum - 3 SCBA seats - 72" int ht Specify interior height required - 72" standard 37" required from seat cushion to ceiling 22" shoulder width required for each seating position All interior finish materials to comply with CMVSS 302 A pass through to the driving compartment is required SCBA brackets included To match the Musquash crew cab M23-22507
20-61-4000	1	Interior finish - Zolatone gray Gray quilted vinyl trim provided
20-61-5000	1	Crew cab windows - fixed (8 total) Included with crew cab
20-61-5500	1	Crew cab windows - sliding (4 total) Included with crew cab

PART NO	QTY	DESCRIPTION
20-90-1000	1	Sealed pass through cab to body Accordion seal around window opening with foam and gray vinyl
20-99-05AA	1	Defrost fan in each corner of canopy rear windows - switched on fan - 2 total P/N 1130789
PUMP AND PLUMBING		
30-11-8100	1	Hale QMAX-XS 1250 IGPM single stage pump QMAX - XS requested by customer
30-12-3500	1	Mechanical seal for Hale QMAX/QTWO pumps
30-15-0102	1	Plumbing - Hale manifold pump TM SS
30-20-1000	1	Valves and controls - top mount panel
30-20-1002	1	Akron valves specified
30-20-1600	1	Piping stainless steel - general
30-20-1700	1	1-1/2" thread specifications - Storz
30-20-1800	1	2-1/2" thread specifications - Storz
30-20-2000	1	Piping hydrostatic test
30-20-2500	1	Anodes in suction and discharge piping 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. *** Order with pump
30-21-95AA	1	Tank to Pump 4" Akron valve SS, electric mini Navigator control on pump panel
30-22-1530	1	Tank Fill valve 2-1/2" TM SS
30-31-4010	1	Suction - 6" gated each side manifold pump
30-31-5025	1	Suction - 4" piping to front SS, 6" CP elbow connection
30-31-5121	1	Suction - 4" SS piping to rear - 6" connection
30-31-7200	4	Hale master intake suction valve - electric control *** Suction to be gated are left, right, front and rear
30-32-7540	1	Suction - 2-1/2" left side SS, bleeder, Hale manifold pump Controlled from side pump panel
30-32-8040	1	Suction - 2-1/2" right side SS, bleeder, Hale manifold pump Controlled from side pump panel
30-40-20AA	1	5" right discharge TM SS, plumbed 3", Hale manifold pump
30-41-2030	1	2-1/2" RS discharge TM SS, bleeder, Hale manifold pump
30-41-2530	2	2-1/2" LS discharge TM SS, bleeder, Hale manifold pump
30-42-8530	2	1-1/2" rear discharge TM SS, plumbed 2" *** On the rear of the body about 8" under the hose bed
30-43-1530	2	2-1/2" rear discharge TM SS, plumbed 2-1/2", bleeder *** On the rear of the body about 8" under the hose bed
30-44-0799	2	Additional speedlay tray (ea) There will be additional speedlay trays supplied and shipped loose with the completed unit

PART NO	QTY	DESCRIPTION
30-44-07AA	1	1-1/2" speedlay (pair) front of pumphouse TM SS, plumbed 2" Connections on outer side of crew cab, no swivel elbow. This will require a recessed area for the connection to prevent the body being over width. Install end tarps at end of speedlays, no rollers required Includes removable trays sliding on UHMW plastic
30-44-1030	1	1-1/2" front trash line TM SS, plumbed 2", hosewell The storage will be two (2) rolls of 50' hose and the plumbing will have an auto-drain
30-44-6530	1	Piping for monitor TM SS, plumbed 3", bleeder Maximum height with monitor installed not specified Make and Model of Monitor - TFT Hurricane 80-99-25AA with an electric riser To be installed in the storage area between the front of the tank and the top mount panel, may require some notching of the water tank due to the size of the riser This plumbing will be supplied through the foam system so that it is foam capable
30-44-65AA	1	Water only valve to monitor Provide a valve with linkage and gauge to supply the deck gun with water only, this will allow using the monitor with foam or water only regardless of whether or not the foam system is operating
30-51-0500	1	Pump shift-Midship air ***Includes "Pump Engaged" and "OK to Pump" indicator lights on chassis instrument panel ***Includes "Throttle Ready" indicator light on Pump operating panel
30-51-05AA	1	Hale Pump Shift Interlock Module Integrated with the pump shift to prevent transfer case shifting unless the chassis transmission is in neutral
30-51-0600	1	Manual over ride for pump shift on pump panel by Metalfab Mount on LS pump panel
30-51-1500	1	Power shift PTO - Automatic transmission For AC compressor
30-51-1501	1	PTO driveshaft To drive air compressor
30-51-6800	1	FRC InControl Governor/Throttle engine display with throttle knob
30-51-7003	4	Suction side relief V/V, manifold pump, mounted outboard of MIV
30-51-7724	1	Trident Automatic Air Primer 3 barrel 5 location with gauge 1 - Pump primer 2 - LS pre-prime 3 - RS pre-prime 4 - Front pre-prime 5 - Rear pre-prime
30-51-8100	1	Heat exchanger included with chassis
30-51-8500	1	Pump cooler with control valve, check valve Control located on the top mount panel, plumbed to the tank fill box
30-51-9100	1	Thermal Relief Valve with warning light Plumb discharge to fill tower

PART NO	QTY	DESCRIPTION
30-52-1000	1	Master drain V/V, 12 port
30-52-2000	1	Drain valve for foam system header
30-52-42AA	1	Foam System - Hypro FoamPro 2002 Single Tank
		Foam system plumbed to:
		2 - 1-1/2" speedlays
		2 - 1-1/2" rear discharges
		1 -1-1/2" trashline
		1 - 2-1/2" LS discharge
		1 - 2-1/2" RS discharge
		1 - 3" deck gun
		***Note that a 4" flowmeter will be required
30-52-42BB	10	Foam, Class A Hi Combat 5 USG pail
		Include with vehicle for customer training
30-52-8200	1	Power Fill foam refill system - FRC FoamPro model 3435-0134
		To be installed on right side pump panel unless otherwise specified. The refill hose will be stored inside the pump house and accessible from the right side pump access door.
30-52-9100	1	Foam concentrate label at foam tank fill
30-52-9200	1	Foam System Instruction Plates
30-52-9400	1	NFPA Foam System certification test
WATER AND FOAM TANKS		
40-11-2100	1	Polypropylene water tank (Imperial gallons)
40-11-2200	1	Water tank capacity certification (tank manufacturer)
40-11-5500	1	Tank capacity 1200 Imperial Gallons
40-12-5000	1	Foam cell - 50 Imperial gallon
		Foam fill box is in the front RS corner of the tank
40-21-1000	1	4" tank to pump connection
40-22-1000	1	2-1/2" tank fill connection
40-23-0500	1	3/4" water level gauge connection
40-23-1050	1	4" Fireman's Friend connection
40-23-1060	1	10" Newton dump connection - provision for future
40-23-1060	1	10" Newton dump connection
40-30-0500	1	Sump drain valve (3" gate valve) with linkage
40-30-1000	1	Water Fill Box front left corner
40-31-0400	1	Price Adjustment
40-31-3500	1	10" rear Newton dump, stainless steel
		This dump valve is to be shipped loose with the outlet on the tank capped, the dump valve will be used in the future when the function of the truck changes.
40-31-3600	1	Newton dump - stainless steel 36" telechute
		This chute is to be shipped loose, it will be installed on the dump valve in the future when the function of the truck changes.
40-31-5500	1	Electric operator for Newton dump, top mount
		Switch is not to be installed at this time but prewired with a blank plate over the switch opening on the body. This will be installed when the dump valve is installed.
40-31-9000	1	4" Storz rear fill, Fireman's Friend
ELECTRICAL		

PART NO	QTY	DESCRIPTION
50-11-0300	1	Base electrical system - multiplex
50-11-0600	1	Warning Light Certification
50-11-0700	1	Low Voltage Electrical system test
50-11-0800	1	Low Voltage Electrical System Documents As required by ULC and NFPA standards
50-11-0900	1	Rocker switch panel with master warning switch on chassis ceiling Locate in overhead console Rocker switch assignments: MASTER -LIGHT BAR RED -REAR BEACONS -FLASHING WARNING -REAR FLOODS -DITCH LIGHTS -LEFT SCENE -RIGHT SCENE -REAR SCENE Locate on chassis dash -BRAKE SWITCH for Q2B siren
50-11-1470	1	Whelen 295SLSC1 100 Watt / 200 Watt siren - with removable microphone
50-11-1630	1	Siren speaker,200 watt, in front bumper Locate in LS bumper wing
50-11-2010	1	Federal Q2B mechanical siren - through front bumper ***Controlled by foot switch at both driver and officer positions. Brake switch on the chassis dash and master disconnect on the chassis floor or in front of console. The siren will be interlocked with the E-Master switch. Locate in RS bumper wing
50-11-2600	1	Siren to be accessible to driver and officer
50-11-5812	1	Federal LPX53DS - NFPA LED light bar All red flashers with two flash patterns for RESPONSE and SCENE mode
50-11-6615	1	Rear LED Traffic Advisor warning lights - TAM83 - surface mount - 30.45" long
50-11-9010	1	Rear beacons - Federal NVG10 LED (pr) - both red - no height restriction
50-12-5028	1	Front LED flashers (pr)-red Federal QL43-R
50-12-5218	1	Front side inter lts (pr)-red LED Federal QL43-R side of bumper
50-12-5318	1	Body side inter lts (pr)-red LED Federal QL43-R
50-12-5418	1	Additional body side inter lts (pr)-red LED Federal QL43-R on TME Locate on side pump panel of crew cab
50-21-1505	1	Rear floods (pr) Unity LED Note that these lights are also used as rear step lights and cannot be managed
50-21-1620	1	Parking (ditch) lights in rear fenders - LED Tecniq E96 Can be managed Switched in cab

PART NO	QTY	DESCRIPTION
50-21-25AA	2	FRC telescoping Spectra LED 12V flood (ea) - SPA530-Q15-SW-NS-H 15k Lumen To be mounted on the front of the TME and switched on the face of the TME (under the extenda light, not on light) to match the customer's last Rescue. See picture at O:/Metalfabphot/Road/New Maryland/Pumper Will be wired to the Do not move apparatus light, will have a No scratch option and can be managed to shed as per ULC
50-21-3030	1	Remote control electric spot (ea) GoLight Stryker 20204 - LED w/ joystick remote Control to be on console 20-31-7500 and light to be mounted on chassis hood Light will be hardwired and will be white in colour
50-21-5100	1	Compartment lighting - LED tube lights in each compartment (rollup doors)
50-21-5500	1	Door Ajar warning light Bilingual Warning label in cab to read: "Do Not Move Apparatus when Light is on" To be installed above the driver seat position
50-21-5550	2	Equipment rack not stowed warning light Bilingual Warning label in cab to read: "Do Not Move Apparatus when Light is on" To be installed above the driver seat position
50-21-8001	1	Step lights for body steps - 4" LED To be activated with the application of the park brake
50-21-8110	1	Step lights for walkway - 4" LED To be activated with the application of the park brake
50-21-8600	1	LED clearance lts and reflectors
50-21-8800	1	LED intermediate turn signal/clearance/reflector length >30'
50-22-0800	1	Federal 4 QuadraFlare LED tail/brake-turn-backup-warning module (pr)
50-31-6006	1	Scene lights (pr) - Federal QL97 LED - Right side To be mounted on right side of the body and switched in the cab Can be managed to shed as per ULC
50-31-6007	1	Scene lights (pr) - Federal QL97 LED - Left side To be mounted on left side of the body and switched in the cab Can be managed to shed as per ULC
50-31-6008	1	Scene lights (pr) - Federal QL97 LED - rear To be mounted on rear of the body. Will be switched in the cab and interlocked with reverse of transmission Can be managed to shed as per ULC
50-31-6011	1	Scene light boxes not requested
50-31-6550	1	Ground lighting (LED Lumabar) - 2 door chassis To be activated with the application of the park brake
50-31-6580	1	Ground lighting (LED Lumabar) - top mount body To be activated with the application of the park brake

PART NO	QTY	DESCRIPTION
50-31-65AA	1	LED Lumabar under hose bed cover There will be LED Lumabar supplied and installed under the hose bed cover. To be activated with the park brake
50-35-0500	2	Installation of customer supplied mobile radio Radio information list required (attached) Radios mounted in cab console
50-35-0560	1	VHF antenna with base - commercial chassis
50-35-0590	1	Cellular/TMR antenna with base - commercial chassis
50-41-5260	1	Master 12 Volt power at front receiver complete with power point and weather cap Power point for 9000 pound winch, locate at front receiver, confirm connections with winch installed
50-41-5265	3	Additional 12 Volt power at receiver (ea) complete with power point and weather ca Power point for 9000 pound winch, locate at rear and side receivers, confirm connections with winch installed
50-90-0550	1	Price Adjustment
50-90-05AA	1	TME interior lighting (12 v clear/red LED) - surface mount 3 - included with crew cab Interior dome lights in crew cab are to operate as follows: - Red lights illuminated when vehicle is in response mode (park brake off) - White lights illuminated when vehicle is in scene mode (park brake on) - Switch required to allow selection of Red lights when in scene mode instead of the White lights - momentary switch to be located on pump panel to switch between white and red These lights are to be operable when the shore line is connected in the fire hall as well as when the truck is running Include an on/off switch on the pump panel. When operating from shore power, lights to be white only.
BODY		
60-10-1400	1	Single axle extruded aluminum body
60-10-4100	1	No "beavertail" rear step supports
60-10-4600	1	Painted fender surround
60-10-4700	1	Integral aluminum fender trim
60-10-5400	1	Diamondback pumphouse steps
60-10-5450	1	Diamondback 12" rear step
60-10-6000	1	Extruded rub rail
60-11-0300	1	Front left side compartments full height
60-11-0700	1	Front right side compartments full height
60-11-1000	1	Rear left side compartments full height
60-11-1400	1	Rear right side compartments full height
60-11-2000	4	High side compartment (over 18") each
60-11-3100	1	No rear compartment
60-11-31AA	1	Rear Pass through compartment The L4 and R4 compartment will be connected as a pass through compartment
60-11-5500	4	Rollup door - standard height Natural aluminum finish

PART NO	QTY	DESCRIPTION
		Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5520	4	Rollup door - full height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5655	4	Amdor pull straps - Flex - HD (for door opening 20"-37")
60-11-5660	4	Amdor pull straps - Flex - HD (for door opening 49"-70")
60-31-41AA	1	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface Note that rear vertical hand rails are to be longer than standard
60-31-5500	1	Steps at rear of body (folding) with LED lights Maximum height between steps is 18" To be activated with the application of the park brake Add additional steps and stepping surfaces at rear per shop visit of July 13-24, see Layout 19-Revision 1
60-31-5610	1	Steps and grab handles at front of body next to pump panel Maximum height between steps is 18" To be activated with the application of the park brake Add additional steps and stepping surfaces at front per shop visit of July 13-24, see Layout 19-Revision 1
60-31-5800	1	Special step at rear below hose bed Locate inboard of folding steps below the rear discharges and above the rear dump opening Increase depth of this step by 6" as discussed at July 13-24 visit
60-31-6500	1	Compartment matting - black plastic interlocking tile
60-31-8006	4	BA bottle compartment (ea) - fender well Customer to provide: Diameter _____ Length _____ Make and Model _____
60-31-8400	2	Fixed vertical partition To be mounted at the rear of the 60-31-86AA trays to prevent items from falling off the back end of the trays.
60-31-86AA	2	Half depth sliding tray - L4/R4 There will be 600 lb 100% extension trays installed in the L4/R4 pass through compartments that will be half depth of the body Note that the extension will be approximately 20" as the tray is full width of the compartment - a portion will extend to the half depth of the body Include a full height partition in the middle where the trays meet - this is to be bolted in to allow removal when the Newton dump is installed in the future
60-31-9600	6	Adjustable shelf (ea) Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Locate as below: 2 in L1 1 in L4

PART NO	QTY	DESCRIPTION
		2 in R1 1 in R4
60-31-9610	1	Radio shelf for TME interior (ea) Locate inside the crew cab above the pass through
60-32-3500	9	Hose bed divider Hand hold required in end Three fixed partitions - one each side extending above the suction hose tube and one in the centre to support the hose bed cover. Note that the partitions above the suction hose trays are to be 4" shorter and set back from the end of the body for easier removal of 1-3/4" trays Six adjustable partitions, three each side of the centre divider. Two to be shortened by 4" - no cutout for hand hold
60-32-35AA	4	Hose bed tray for 1-1/2" hose Include a hand hold to help remove the tray, UHMW slides Two each side above the suction hose tubes, capacity 200' x 1-3/4" each Include angles at the mid point of the height of the divider and side of the body to allow stacking the trays
60-32-7500	1	Hose bed - aluminum
60-33-0000	1	Paint exterior - Imron Elite *** Paint code and colour to match chassis
60-33-0200	1	Undercoat vehicle with KROWN rust protection
60-33-0600	1	Chassis wheels - aluminum wheels
60-33-1000	1	Paint pump and plumbing job colour
60-33-1500	1	Buffed finish compartment interior
60-33-2200	1	Lettering - 80 letters up to 3" tall - 3 colour *** Vinyl letters, Fire Department to provide details on location and text. Layout approved August 8, 2024
60-33-3000	1	Reflective stripe - 4" white 50% of perimeter each side and 25% of perimeter front minimum 3M Scotchlite Layout approved August 8, 2024
60-33-3320	1	Reflective stripe - red and yellow chevron at rear - 3M Diamond Grade material To cover a minimum of 50% of the rear of the body
60-33-36AA	1	Diamond Grade Chevron inside chassis doors and TME doors There will be Diamond Grade Chevron installed in the chassis door panel to match the customer's current chassis. See picture in O:/Metalfabphoto/road/New Maryland/Pumper. There will be Diamond Grade Chevron inside the TME entry door surface. Minimum 96 square inches for each chevron
60-33-4620	1	Tarps at ends of speedlays Include velcro straps to hook around footman loops at the ends of the speedlays.
60-33-5000	1	Aluminum cover over hose bed with end tarps - black Add handrail at front of hose bed cover in addition to standard handrail at rear

PART NO	QTY	DESCRIPTION
60-40-5500	2	<i>Suction hose tube (each) in hose bed</i> Suction hose tubes will be located in the bottom corner of the hose bed. The water tank will be notched accordingly
60-41-1015	2	<i>Pike Pole tube in suction hose tube</i> In tubes 60-40-5500 for pike poles 80-13-2500
60-41-6005	1	<i>Zico horizontal hydraulic portable tank rack</i> To be wired so only operable when park brake is engaged. Interlocks for rollup doors not required Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.
60-41-6010	1	<i>ZICO PTS switched at rear above tail light</i> Switch is located on same side as electric rack
60-41-9500	1	<i>Zico Horizontal Ladder Access system</i> Include HLAS-OS optional stop To be wired so only operable when park brake is engaged. Interlocks for rollup doors not required Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.
60-41-9510	1	<i>ZICO HLAS switched at rear above tail light</i> Switch is located on same side as electric rack
60-90-6000	1	<i>Air Conditioner in Rescue Body - 12 volt</i> AC compressor is PTO Driven Condenser is mounted between frame rails
60-90-6010	1	<i>Air Conditioner installation - subcontractor</i>
60-91-0900	1	<i>Decon Compartment</i> A compartment is installed on the left side pump house area and will be able to hold 25 feet of 3/4" hose (maximum) and will have a 3/4" connector. This will be connected to the pump plumbing and shall supply heated water. The heated water should be as warm as possible for use in winter conditions. Circulate water through the heat exchanger to keep it warm, plumbing the return line through a 3 way valve. Metalfab will supply the hose and nozzle to ensure it will fit in the compartment. The compartment will house a Flexzilla Hose reel with rewind supplied and installed by Metalfab to match Oromocto, NB There will be a surface mount deck plate door with D-handle supplied and installed on the compartment.
60-99-10AA	1	<i>Custom ladder spacer</i> Custom offset spacer per customer sketch
INSTRUMENTATION		
70-11-0000	1	Warning Label on Pump Operator's Panel
70-11-1200	1	<i>Stainless steel instrument panels</i>
70-11-2000	1	<i>Top mount instrument panel</i> Mid point of throttle control to be located between 32" and 50" in height from the operator's standing position, per ULC S515-13 15.11.3

PART NO	QTY	DESCRIPTION
70-11-2500	1	Transverse walkway Located inside the Top Mount Enclosed pump panel
70-11-2700	1	No tread plate overlay on back of chassis cab
70-11-3100	1	Mansaver bars not required
70-11-3200	1	Colour coded tags
70-11-3500	1	Compartments under speedlays Final dimensions will depend on space available when chassis is received and design is complete.
70-11-4506	1	Diamond grip type panel hood step right side
70-11-4606	1	Diamond grip type panel hood step left side
70-11-5200	1	End doors and hinged top cover for dunnage area over pump house Install doors on both ends of dunnage area over pump house, and make top door as large as possible without being blocked by the ladders when stowed.
70-11-5500	1	Right side tread plate pump access door No opening dimension less than 18"
70-11-5600	1	Left side tread plate pump access door No opening dimension less than 18"
70-11-5700	1	Transverse tread plate pump access door No opening dimension less than 18"
70-11-7500	1	Heat pan-aluminum Customer requests minimum 11" ground clearance under heat pan
70-11-8000	1	Heater in pump compartment
70-11-8200	1	Rubber seal around suction and discharge openings on side pump panels
70-20-1120	2	4-1/2" compound gauge - dual face 0-400 Thuemling brand
70-20-2130	13	2-1/2" pressure gauge - dual face 0-400 - Thuemling brand
70-20-2500	1	Primer control to prime pump
70-20-2501	4	Additional Pre Primer controls for front, rear, LS and RS inlets
70-20-3300	1	FRC InControl Governor Control Throttle can be no lower than 42" and no higher than 72" from operator's standing position.
70-20-35AA	1	ICI SL series water level gauge Transducer to be insulated with foam pipe insulation
70-20-36AA	1	ICI Monster remote water level readout each side Mounted one each side of body ahead of the scene lights, includes a driver module
70-20-6500	1	Test gauge panel Mount below the compound gauges for proper draining
70-20-7500	1	Heat exchanger control valve
70-20-7600	1	Pump cooler control valve
70-21-15AA	1	ICI SL series foam level gauge Installed on pump panel Transducer to be insulated with foam pipe insulation
70-21-5500	1	Panel readout for Battery Conditioner - left side chassis step

PART NO	QTY	DESCRIPTION
70-99-05AA	6	Storage tubes for hooks Install 3 tubes each side customized to fit the 6' tools provided by Metalfab - one pike pole, one New York hook and one Boston hook accessible from each side
71-21-3100	1	Transmission warning light (automatic transmission) Wired to transmission ECU, warning light required on pump panel to warn of high transmission temperature
ACCESSORIES		
80-11-5000	2	6" x 10' lightweight suction hose (ea) Tube mounted
80-12-2500	1	6" barrel strainer Ship loose
80-12-4502	1	6" low level strainer with 1-1/2" venturi connection - TFT A03HNXJET
80-13-0500	1	Rubber mallet Ship loose
80-13-1200	3	Clare hose wrenches (double) with holder
80-13-2500	2	Pike pole, fibreglass handle - 10' long Stored in tubes 60-41-1015
80-13-2510	2	Pike pole, fibreglass handle - 6' long Store in pump house compartment
80-13-25AA	2	NY Hook - 6' Store in pump house compartment
80-13-25BB	2	Boston Hook - 6' Store in pump house compartment
80-13-4000	1	Axe, pick head, fibreglass handle and bracket Ship loose
80-13-4000	1	Axe, pick head, fibreglass handle and bracket
80-13-4500	1	Axe, flat head, fibreglass handle and bracket Ship loose
80-14-0500	1	24' 2 section extension ladder PEL 24 Mount on HLAS
80-14-5500	1	14' aluminum roof ladder PRL-14 Mount on HLAS
80-14-8500	1	10' aluminum folding attic ladder FL-10 Mount on HLAS
80-14-9000	1	Attic ladder bracket (Zico) Mount on HLAS
80-15-0500	1	1500 l gallon portable tank - Husky Mount on HPTS

PART NO	QTY	DESCRIPTION
80-17-0500	1	20# dry chemical fire extinguisher and mount
80-17-1000	1	15# CO2 fire extinguisher and mount
80-18-0600	3	SCBA brkt w/strap - ZICO ULLH - crew cab mount
80-18-0840	2	Pistol grip nozzle holder - ZICO NBM-2
		Ship loose
80-19-0500	2	Large folding wheel chock - aluminum (ea)
80-19-0600	2	Horizontal bracket for folding wheel chock (ea) - mounted under L1 compartment
80-19-0700	2	Electric Access Step for Rescue Steps deploy when park brake is set
80-20-5015	3	Helmet holder - mounted (ea) - Zico UHH-1 Helmet brackets to be installed on the front face of the pump house - ahead of the SCBA seat position in the TME.
80-99-25AA	1	TFT Hurricane RC monitor, panel control, electric riser, 1250 gpm nozzle
80-99-30AA	1	Suction cap holder on front bumper There will be a holder mounted on the front bumper to hold the 6" suction cap to match the customer's current unit. Refer to picture in O:/Metalfabphoto/road/New Maryland/Pumper