



Shop Order

Tri-District Frie Department  
 Byron Shrader  
 3785 NS-325  
 Newcombeville, NS B4V 7V7

<b>Sales Rep:</b> Ryan Stacey	<b>Terms:</b> Chassis Net 10 days Body and Equipment COD
<b>Drawing #:</b> FT-11551	
<b>Est. Delivery Date:</b> / /	
<b>Customer PO #:</b>	<b>Penalty:</b>
<b>Customer #:</b>	None
<b>QPF #:</b>	

**Exp. Date:** 03/24/2022  
**Quote No:** RTRNS-0001-0022  
**Job/Order No:** 23075  
**BODY:** 00-10-15 Metalfab Pumper - ULC 05/13

01/13/2025

PART NO	QTY	DESCRIPTION
		<b>== Metalfab Pumper - ULC 05/13 - 0.000 ==</b>
		<b>Change Order K</b>
		<b>Further information:</b>
		<b>What is the lumen outpu of the M6ZC scene light? - requested from Whelen</b>
		<b>Include the Radio Programming sheets with the change order.</b>
		<b>Include the updated WECAD with the change order.</b>
00-05-0010	1	Dealer - Metalfab
00-10-1500	1	Metalfab Pumper
00-20-0500	1	List of References not provided
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
<b>00-20-1700</b>	<b>1</b>	<b>Hale Pump Warranty - 5 years</b>
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
		<b>GENERAL INFORMATION</b>
10-11-0000	1	Intent
<b>10-11-0110</b>	<b>1</b>	<b>Vehicle data recorder included with chassis</b>
<b>10-11-1101</b>	<b>1</b>	<b>ULC S515-13 and NFPA 1901-2016 Compliance</b>
10-11-1500	1	ULC Testing - Pumper - Imperial units of measure

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
10-11-2100	1	<b>Maximum length N/A</b>
10-11-2200	1	<b>Maximum height - 118"</b>
10-11-2400	1	<b>Overall length is 30' or more</b>
10-11-2500	1	General Construction
10-11-3000	1	Manuals - two copies ***Two copies of chassis manuals are required.
10-11-3600	1	<b>Delivery - FOB Fire Department</b>
10-11-4000	1	<b>Payment Terms - Chassis Net 10 days, Balance COD</b>
10-20-1400	1	<b>Hose capacity exceeding ULC/NFPA requirements</b> 1000' - 2-1/2" hose 400' 1-3/4" hose Additional weight of 150 pounds over ULC requirements Note that additional hose may not fit due to the overall height limiting the hose bed capacity
10-20-2000	1	Equipment carrying capacity - standard ULC Pumper <b>CHASSIS INFORMATION</b>
20-11-1000	1	<b>Chassis supplied by Metalfab</b> M2 112 PLUS 16-46 axles DD13-505 4000 EVS transmission 246" WB - 180.5" CA - 110" AF L0006EY white over L3240EY red - approved by customer Same Paint line as last unit Metalfab will install a switch on the chassis dash to control high idle through the Pump Governor with the appropriate interlocks.
20-11-10AA	1	<b>Chassis Dealer - Nova Truck Centre</b>
20-11-1500	1	2013 Emission chassis modifications
20-11-1600	1	<b>Chassis Motor Vehicle Inspection as provided by chassis dealer</b>
20-21-0500	1	<b>Fluid capacity plate</b>
20-21-0600	1	<b>Pumping test plate</b>
20-21-1000	1	<b>Maximum riders sign - 2 persons</b>
20-21-1500	1	<b>Seat belt warning labels - 2 door chassis</b>
20-21-1520	1	<b>Helmet warning label - do not wear helmet</b>
20-21-1570	1	<b>LED Tire Pressure Indicators - Tandem Axle</b>
20-21-1600	1	<b>Apparatus Information Label</b> An information label is provided in the chassis cab, visible to the driver, stating: "When manufactured, this vehicle was: ** m high ** m long ** kg GVW Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"
20-21-2000	1	Non removable key
20-21-2500	1	Shifter lock not required
20-21-3500	1	Rear step warning label
20-21-3800	1	<b>Front mudflaps by Metalfab</b>
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only
20-31-0600	1	<b>Alum tread fuel tank covers, diamond grip steps, Conv - 2 dr</b> Steps to match last unit M18-19971

PART NO	QTY	DESCRIPTION
20-31-1900	1	Chassis cab not painted
<b>20-31-7500</b>	<b>1</b>	<b>Console in cab</b> Install 50-11-0900 switch panel, 50-11-1400 siren, 50-35-0500 customer radios, and 30-51-0500 pump shift in console. Storage area with hinged cover and lift and turn latch provided at rear of console. Gray zolatone finish 50-11-6616 TACTL5 to be mounted in chassis dash below radio, approved by customer May 29
20-41-0600	1	Intake air shutoff for engine not required
<b>20-41-0900</b>	<b>1</b>	<b>Auxiliary braking system disabled when pumping</b>
20-41-1100	1	Transmission programming - Allison WT ***Includes "Pump Engaged" light next to pump shift on chassis instrument panel.
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.
20-41-1900	1	Battery boost terminals with chassis Included 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)
<b>20-41-5500</b>	<b>1</b>	<b>ON SPOT Automatic traction chains forward axle</b> If tandem rear axle, specify which axle requires chains (front is standard) Switched on chassis dash to the right of the driver similar to previous unit M18-19971
<b>20-51-0710</b>	<b>1</b>	<b>Master Battery Disconnect included with Freightliner chassis</b>
<b>20-51-2500</b>	<b>1</b>	<b>Back up alarm included with chassis</b>
20-51-3400	1	Protection valve installed for air operated accessories
<b>20-51-4000</b>	<b>1</b>	<b>Auto eject for air inlet - LS</b> Locate at LS cab step
<b>20-51-6200</b>	<b>5</b>	<b>120 volt 20 A shore line connection in chassis cab and body</b> Standard 5-20R duplex receptacle in chassis cab, body - not fused Minimum 12" from floor level to meet ULC Customer to specify location: 1- in chassis cab on back of console for Auto Charge and customer 2 - L1 mounted high and forward 3 - R1 mounted high and forward 4 - R2 5 - L2
<b>20-51-6500</b>	<b>1</b>	<b>Kussmaul Autocharge 1000 battery conditioner w/battery saver</b> Locate on back of 20-31-7500 console
<b>20-51-7101</b>	<b>1</b>	<b>Electric System Management through multiplex control</b>

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
20-51-7500	1	<b>Super Auto eject for 120 v - 20 A with sealed enclosure</b> Locate at LS cab step
20-51-8505	1	<b>Engine compartment light included with chassis</b>
20-51-9001	1	<b>Air horns with chassis</b> Rather than have two foot switches each side, customer will accept foot switches for the Q2B siren each side (as 50-11-2010) and push buttons each side on the console for the air horn. Rewire current foot switches to operate the Q2B rather than the air horns and add push buttons for the driver and officer to operate the air horns. The current version of Freightliner software does not offer air horn operation from the steering wheel horn button.
20-51-9400	1	<b>14" Code 3 Utility bar in front bumper</b> Switched in cab rocker switch panel
20-52-3500	1	<b>Chassis steering wheel lined up by Metalfab</b>
20-52-4009	1	<b>Front, Right Side, Left Side, and Rear Camera system with DVR</b> Pro Vision system supplied and installed by Metalfab Monitor is mounted on chassis dash in chassis provided mounting location (RAM mount) Install an additional monitor on the LS pump panel - where the warning label is currently located adjacent to compounds.
20-60-0400	1	Chassis wheelbase does not change
20-90-1755	1	<b>FRC Brow Light 20,000 lumens</b> SPA830-Q20 (1011239) Can be managed, switched in cab
<b>PUMP AND PLUMBING</b>		
30-11-8600	1	<b>Hale QMAX 1500 IGPM single stage pump</b>
30-12-3500	1	<b>Mechanical seal for Hale QMAX/QTWO pumps</b>
30-15-0104	1	<b>Plumbing - Hale manifold pump SM SS</b>
30-20-0500	1	Valves and controls - side mount panel
30-20-1002	1	<b>Akron valves specified</b>
30-20-1600	1	<b>Piping stainless steel - general</b>
30-20-1700	1	<b>1-1/2" thread specifications NPSH</b>
30-20-1800	1	<b>2-1/2" thread specifications NSZ1</b>
30-20-2000	1	<b>Piping hydrostatic test</b>
30-20-2500	1	<b>Anodes in suction and discharge piping</b> Install one anode on discharge side of pump, one anode on suction side of pump - do not use teflon tape or thread sealant. Paint flange silver and mask brass anode before painting for visibility.
30-21-8510	1	<b>Tank to Pump 4" butterfly valve SS, handwheel control, check valve manifold pump</b> Replace the current handwheel control with an air operated control. Requires a new valve operator Ultraflo 100-080-DA double acting pneumatic operator and an Ultraflo 150-21400VDC12 solenoid valve. We will install a DPDT selector switch on the pump panel in place of the handwheel to select the open or closed position.
30-22-0520	1	<b>Tank Fill valve 2" SS</b>
30-31-4010	1	<b>Suction - 6" each side manifold pump</b>

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>30-31-7200</b>	<b>2</b>	<b>Hale master intake suction valve - electric control</b> *** Suction to be gated is RS and LS
<b>30-40-2020</b>	<b>1</b>	<b>4" right discharge SS, plumbed 3", Hale manifold pump</b>
<b>30-40-2040</b>	<b>1</b>	<b>4" rear discharge, 3" Akron valve, bleeder</b> Locate to RS of rear dump, extend to reach over the telechute when the dump is swiveled to the right side
<b>30-41-2020</b>	<b>1</b>	<b>2-1/2" RS discharge SS, bleeder, Hale manifold pump</b>
<b>30-41-2520</b>	<b>2</b>	<b>2-1/2" LS discharge SS, bleeder, Hale manifold pump</b>
<b>30-43-1520</b>	<b>1</b>	<b>2-1/2" rear discharge SS, plumbed 2-1/2", bleeder</b> Right Side below hose bed
<b>30-44-0720</b>	<b>2</b>	<b>1-1/2" speedlay (each) front of pumphouse SS, plumbed 2"</b> Capacity of 200' x 1-3/4" each Note that trays are to be 2" higher than last truck M18-19971 to accomplish this Change the tarp fastening from velcro loops and quarter turns to fixed bottom and seat belt style latches at top with pull strap similar to Abercrombie
<b>30-44-07AA</b>	<b>2</b>	<b>Additional Speedlay tray</b> Capacity of 200' x 1-3/4" each Note that trays are to be 2" higher than last truck M18-19971 to accomplish this
<b>30-44-6520</b>	<b>1</b>	<b>Piping for monitor SS, plumbed 3", bleeder</b> Locate in centre of storage area above pump house side to side, slightly towards rear of storage area unless otherwise specified. Maximum height with monitor installed not specified Make and Model of Monitor 80-16-0500 Akron 3423 with 80-99-25AA TFT 18" telescoping waterway - note that the 118" height restriction is for the rear of the vehicle only, keep the deck gun as low as possible but maintain the 18" telescoping waterway
<b>30-51-0500</b>	<b>1</b>	<b>Pump shift-Midship air</b> ***Includes "Pump Engaged" and "OK to Pump" indicator lights on chassis instrument panel ***Includes "Throttle Ready" indicator light on Pump operating panel
<b>30-51-0600</b>	<b>1</b>	<b>Manual over ride for pump shift on pump panel by Metalfab</b>
<b>30-51-6700</b>	<b>1</b>	<b>Horizontal Class One Sentry governor with Twister throttle knob</b> Governor changed to be compatible with chassis and engine software
<b>30-51-7003</b>	<b>2</b>	<b>Suction side relief valve, MIV on manifold pump</b> One for each MIV (LS and RS)
<b>30-51-7721</b>	<b>1</b>	<b>Trident Automatic Air Primer 3 barrel 3 location with gauge</b> For main pump, LS pre prime and RS pre prime
<b>30-51-77AA</b>	<b>1</b>	<b>Additional air tank for air primer included with chassis</b>
<b>30-51-8040</b>	<b>1</b>	<b>Heat exchanger by Metalfab</b>
<b>30-52-1000</b>	<b>1</b>	Master drain V/V, 12 port
<b>30-52-3001</b>	<b>1</b>	Foam system not requested
<b>30-99-05AA</b>	<b>1</b>	<b>4" Left Side Suction - 2-1/2" Adapter</b> Install a standard 2-1/2" valved inlet with 2-1/2" female swivel connection, plus a 2-1/2" male x 4" storz adapter and cap.

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>30-99-10AA</b>	<b>4</b>	<b>2-1/2" to 1-1/2" w/Cap Adapters</b> One for each 2-1/2" discharge 1501296 adapter 1500281cap Delete 2-1/2" cap
<b>WATER AND FOAM TANKS</b>		
40-11-2100	1	Polypropylene water tank (Imperial gallons)
40-11-2200	1	Water tank capacity certification (tank manufacturer)
<b>40-11-7500</b>	<b>1</b>	<b>Tank capacity 2500 Imperial Gallons</b>
<b>40-21-1000</b>	<b>1</b>	<b>4" tank to pump connection</b>
<b>40-22-0500</b>	<b>1</b>	<b>2" tank fill connection</b>
40-23-0500	1	1" water level gauge connection
<b>40-23-1050</b>	<b>1</b>	<b>4" Fireman's Friend connection</b>
<b>40-23-1060</b>	<b>1</b>	<b>10" Newton dump connection</b>
40-30-0400	1	3" plug in sump box
<b>40-30-1100</b>	<b>1</b>	<b>Water Fill Box middle left side</b>
<b>40-31-3500</b>	<b>1</b>	<b>10" rear Newton dump, stainless steel</b>
<b>40-31-4710</b>	<b>1</b>	<b>Newton dump - top mount operation</b> Lock open device is required
<b>40-31-5500</b>	<b>2</b>	<b>Electric operator for Newton dump, top mount</b> switch at each side at rear
<b>40-31-5610</b>	<b>1</b>	<b>Rotating dump chute for Newton dump SS with telechute</b>
<b>40-31-5800</b>	<b>1</b>	<b>Support for rotating dump chute if necessary</b> Engineering to determine if this support is required
<b>40-31-9000</b>	<b>1</b>	<b>4" Storz rear fill, Fireman's Friend</b> LS rear beside the dump valve, extend to reach over the telechute when swiveled to the left
<b>ELECTRICAL</b>		
<b>50-11-0300</b>	<b>1</b>	<b>Base electrical system - multiplex</b>
<b>50-11-0600</b>	<b>1</b>	<b>Warning Light Certification</b>
<b>50-11-0700</b>	<b>1</b>	<b>Low Voltage Electrical system test</b>
<b>50-11-0800</b>	<b>1</b>	<b>Low Voltage Electrical System Documents</b> As required by ULC and NFPA standards
<b>50-11-0900</b>	<b>1</b>	<b>Rocker switch panel with master warning switch on console</b> ***Rocker switch assignments: E- MASTER LIGHT BAR RED LIGHT BAR WHT FLASHING WARNING FRONT UTILITY SIREN BRAKE FRONT SCENE LS SCENE RS SCENE REAR SCENE DITCH LIGHTS REAR FLOODS

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
50-11-1400	1	Federal PA300 100 watt siren
50-11-1620	1	Siren speaker, 100 watt, in front bumper - Federal AS124
<b>50-11-2010</b>	<b>1</b>	<b>Federal Q2B mechanical siren - through front bumper</b> <b>***Controlled by foot switch at both driver and officer positions.</b> Add master disconnect for Q2B next to chassis battery disconnect to match M18-19971 photo DSC_4514 (2).JPG Q2b only operable when maxi is released and when emergency master is on
<b>50-11-2600</b>	<b>1</b>	<b>Siren to be accessible to driver and officer</b>
<b>50-11-6100</b>	<b>1</b>	<b>Whelan F4N0QLED LED light bar CUSTOM</b> Updated WECAD attached to COA Adds 4 red and 2 white long Super LED heads
<b>50-11-6616</b>	<b>1</b>	<b>Rear LED Traffic Advisor warning lights - TAM83 - flush mount - 30.45" long</b> TIR3 super LED lights - 30.45" long Includes TACTL5 controller
<b>50-11-8001</b>	<b>1</b>	<b>Rear beacons not required</b>
<b>50-12-8500</b>	<b>1</b>	<b>Front LED flashers (pr)-Whelan red LED 400</b>
<b>50-12-8600</b>	<b>1</b>	<b>Rear LED flashers (pr)-Whelan red LED 400</b>
<b>50-12-8620</b>	<b>1</b>	<b>Rear LED flashers (pr)-Whelan red LED 900 with integral flasher</b> Upper corners at rear inboard of folding steps
<b>50-12-8700</b>	<b>1</b>	<b>Front side inter lts (pr) - Whelan red LED 400</b>
<b>50-12-8800</b>	<b>1</b>	<b>Body side inter lts (pr)-Whelan red LED 400</b>
<b>50-12-8820</b>	<b>2</b>	<b>Body side inter lts (pr)-Whelan red LED 900 with integral flasher</b> Upper corners each side of body
<b>50-12-8900</b>	<b>1</b>	<b>Add'l body side inter lts (pr)-Whelan red LED 400</b>
<b>50-21-1505</b>	<b>1</b>	<b>Rear floods (pr) Unity LED</b> Note that these lights are also used as rear step lights and cannot be managed Switched in cab, on light, and when transmission is in reverse
<b>50-21-1610</b>	<b>1</b>	<b>Parking (ditch) lights in rear fenders - LED in stainless steel housings</b> Switched in cab and with reverse Mount ahead of forward rear axle
<b>50-21-25AA</b>	<b>2</b>	<b>FRC telescoping SPECTRA LED 12V flood (ea)</b> SPA530-Q15-SW-ON-SR-A-NS located on front corners of pump house Add switches for these lights on the pump operator's panel, leave the existing switches on the current lights
<b>50-21-5100</b>	<b>1</b>	<b>Compartment lighting - LED tube lights in each compartment (rollup doors)</b> <b>***NOTE - locate the magnetic switch high in the compartment - NOTE***</b>
<b>50-21-5500</b>	<b>1</b>	<b>Door Ajar warning light</b> Warning label in cab to read: "Do Not Move Apparatus when Light is on" Mount in overhead panel above driver
<b>50-21-5550</b>	<b>1</b>	<b>Equipment rack not stowed warning light</b> Warning label in cab to read:

PART NO	QTY	DESCRIPTION
		"Do Not Move Apparatus when Light is on" Warning for the monitor extended, ladder rack deployed, and portable tank deployed
50-21-8001	1	<b>Step lights for body steps - 4" LED</b> Switched on when park brake is set
50-21-8201	1	<b>Step lights for chassis steps - LED marker type</b> Switched on when park brake is set
50-21-8600	1	LED clearance lts and reflectors
50-21-8800	1	<b>LED intermediate turn signal/clearance/reflector length &gt;30'</b>
50-22-0700	1	Whelan 64 LED tail/brake-turn-backup module (pr)
50-31-1700	1	<b>3000 Watt Power Inverter - 12 VDC to 120 VAC - Cobra Pro</b> Mount in L1 compartment as confirmed at the precon
50-31-6012	1	<b>Scene lights (pr) - Whelen M6ZC LED - left side</b> Mount below warning lights, switched in cab This load can be managed
50-31-6013	1	<b>Scene lights (pr) - Whelen M6ZC LED - rear facing</b> Switched in cab and with reverse Mount above equipment rocker switches This load can be managed
50-31-6014	1	<b>Scene lights (pr) - Whelen M6ZC LED - right side</b> Mount below warning lights, switched in cab This load can be managed
50-31-6550	1	<b>Ground lighting (LED Lumabar) - 2 door chassis</b> Switched on when park brake is set
50-31-6570	1	<b>Ground lighting (LED Lumabar) - side mount body</b> Switched on when park brake is set
50-35-0500	2	<b>Installation of customer supplied mobile radio</b> Radio information list required, attached Locate in cab console Radio information checklist received April 9, uploaded to Basecamp Radio Kenwood NX-3720HG-K received July 19, complete with power harness, microphone, mike clip, and antenna cut to length - in parts room. TMR radio Motorola APX 2500 received January 10, 2025, provide a cutout and provide power, ground, and antenna leadin attached to the radio mounting bale in the cutout. The power harness is to be shipped out from the customer on January 13, wire it in when received. All power through the master battery disconnect switch
50-35-0560	1	<b>VHF antenna with base - commercial chassis</b> Mount behind light bar, 18" from other antenna
50-35-0590	1	<b>Cellular/TMR antenna with base - commercial chassis</b> Mount behind light bar, 18" from other antenna

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
		<b>BODY</b>
<b>60-10-1600</b>	<b>1</b>	<b>Tandem axle extruded aluminum body</b>
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
60-10-5430	1	Diamondback 19" rear step
<b>60-10-54AA</b>	<b>1</b>	<b>RS running board hose well for hi vol hose</b> 8" wide x 10" high x 16" long This is a fixed hose well
<b>60-10-6500</b>	<b>1</b>	<b>Bolt on extruded aluminum rub rail</b> w/white reflective striping Bolt on rub rails confirmed at the preconstruction meeting
<b>60-11-0200</b>	<b>1</b>	<b>Front left side compartments intermediate height</b>
<b>60-11-0600</b>	<b>1</b>	<b>Front right side compartments intermediate height</b>
<b>60-11-0900</b>	<b>1</b>	<b>Rear left side compartments intermediate height</b>
<b>60-11-1300</b>	<b>1</b>	<b>Rear right side compartments intermediate height</b>
<b>60-11-1900</b>	<b>4</b>	<b>Low side compartment (up to 18") each</b>
<b>60-11-3100</b>	<b>1</b>	<b>No rear compartment</b>
<b>60-11-4535</b>	<b>4</b>	<b>Flush mount aluminum door - flip up with gas strut, D handle</b>
<b>60-11-5510</b>	<b>4</b>	<b>Rollup door - intermediate height</b> Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point  Door Switches up high - not Low
<b>60-11-5540</b>	<b>2</b>	<b>Rollup door to enclose pump panel - both sides</b> Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point  Door Switches up high - not Low
<b>60-11-5654</b>	<b>4</b>	<b>Amdor pull strap not requested</b>
<b>60-11-5660</b>	<b>2</b>	<b>Amdor pull straps - Flex - HD (for door opening 49"-70")</b> Assist straps for pump compartment rollup doors
<b>60-31-4100</b>	<b>1</b>	<b>Extruded aluminum handrails</b> Minimum 2" clearance from handrail to any surface One vertical each side, extend as high as possible One horizontal under hose bed
<b>60-31-5500</b>	<b>1</b>	<b>Steps at rear of body (folding)</b> Maximum height between steps is 18" Offset - not in straight line Arrangement on proposal drawing approved at preconstruction meeting
<b>60-31-5800</b>	<b>1</b>	<b>Platform step over rear dump</b> There shall be a rear platform step located above the rear dump, 36" below hosebed floor. Include NFPA delineation around edges of step surface

PART NO	QTY	DESCRIPTION
		Include lumabar illumination switched on when vehicle park brake is set
60-31-6500	2	<b>Price Adjustment</b>
60-31-6500	1	<b>Compartment matting - black plastic interlocking tile</b>
60-31-8004	1	<b>BA bottle compartment (ea) - fender well - triple tube type with painted Door</b> Right side rearmost fender well Door ajar switch required Include straps for SCBA valve in each tube Painted door Customer to provide make and model of SCBA cylinder, diameter and length
60-31-8400	1	<b>Fixed vertical partition</b> Install on forward side of sliding tray in L1 compartment to hold the two SCBA brackets for customer SCBA.
60-31-8400	10	<b>Adjustable vertical partitions for rolled hose in tray</b> Installed in rear LS compartment sliding tray, one fixed each end and the rest adjustable for customer hoses To accommodate 1 roll 50' x 4" hose, 3 rolls 50' x 2-1/2" hose, balance for 50' x 1-3/4" hose The centre divider is to be equipped with a hand hold similar to the top hose bed partition to assist in opening the tray when loaded - the hand hold should be towards the top of the divider.
60-31-8700	2	<b>Sliding tray (ea) - 400 pound capacity with gas strut</b> Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Customer to provide locations: 1 - at floor level R1 compartment 2 - at floor level L1 compartment rear of tool chest
60-31-8700	1	<b>Sliding tray (ea) - 400 pound capacity with gas strut</b> Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Sized to fit in rear LS compartment at floor level
60-31-9600	4	<b>Adjustable shelf (ea)</b> Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Customer to provide locations: 1 - L1 shallow 2 - L4 shallow 3 - R1 shallow 4 - R4 shallow
60-32-3550	1	<b>Two adjustable hose divider (each)</b> Hand hold required in end
60-32-7500	1	Hose bed - aluminum
60-33-0000	1	<b>Paint exterior - Imron Elite</b> *** Paint code and colour RED to match cab

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
60-33-0200	1	Undercoat vehicle with KROWN rust protection
<b>60-33-0600</b>	<b>1</b>	<b>Chassis wheels not painted</b> Polished aluminum wheels
60-33-1000	1	Paint pump and plumbing job colour
<b>60-33-1600</b>	<b>1</b>	<b>Special paint compartment interior - gray zolatone</b> colour to match last truck - silver gray, our standard
<b>60-33-2200</b>	<b>1</b>	<b>Lettering - 80 letters up to 3" tall - 3 colour</b> Lettering proof approved August 28, additional cost for lettering and striping approved.
<b>60-33-3200</b>	<b>1</b>	<b>Reflective stripe - 1" - 4" white</b> 50% of perimeter each side and rear, 25% of perimeter front Lettering and striping proof approved August 28, additional cost for lettering and striping approved.
<b>60-33-3310</b>	<b>1</b>	<b>Reflective stripe - red and yellow chevron at rear</b> Printed Scotchlite vinyl
60-33-3500	1	Tarp over hose bed - black
<b>60-40-4500</b>	<b>1</b>	<b>6" Hose tray - side mount (ea)</b> For 6" x 10' hose Mounted on ladder rack Note that stainless scuff plate not required in this application
<b>60-40-5500</b>	<b>2</b>	<b>Suction hose tube (each) with door</b> For 6" x 10' hose Door ajar switch required for each door
<b>60-41-1015</b>	<b>2</b>	<b>Pike Pole tube in suction hose tube</b> For 10' and 12' pike poles
<b>60-41-6001</b>	<b>1</b>	<b>Zico hydraulic portable tank rack</b> To be wired so only operable when park brake is engaged and flush mount doors are closed. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.
<b>60-41-6010</b>	<b>1</b>	<b>ZICO PTS switched at rear above tail light</b> Switch is located on same side as electric rack.
<b>60-41-6110</b>	<b>1</b>	<b>Painted plate on exterior of Zico PTS</b> Painted red to match job colour
<b>60-41-7100</b>	<b>1</b>	<b>Tread plate on body behind porta tank rack</b>
<b>60-41-9001</b>	<b>1</b>	<b>Zico hydraulic Ladder Access system</b> To be wired so only operable when park brake is engaged and L2 and L3 compartment doors are closed. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.
<b>60-41-9010</b>	<b>1</b>	<b>ZICO LAS switched at rear above tail light</b> Switch is located on same side as electric rack

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
<b>60-91-0700</b>	<b>1</b>	<b>Double Wheel chock storage compartment in rear body fender</b> Located left side between rear axles Door ajar switch required
<b>60-91-07AA</b>	<b>1</b>	<b>Double extinguisher tube in rear body fender</b> Both right side - between the rear axles 1 CO2 & 1 dry chem Door ajar switch required
<b>60-99-10AA</b>	<b>1</b>	<b>4 Drawer Tool Box by Metalfab</b> 36" wide with 4 equal size drawers, overall height from floor to depth change
<b>INSTRUMENTATION</b>		
<b>70-11-0000</b>	<b>1</b>	<b>Warning Label on Pump Operator's Panel</b>
<b>70-11-0500</b>	<b>1</b>	<b>Side mount instrument panel - rollup doors LS and RS</b> No gauge or visual display can be higher than 84" above the operator's standing position Midpoint of any control cannot be higher than 72" above the operator's standing position Customer requests no more than a 3" gap between the cab and the front of the pump house
<b>70-11-1110</b>	<b>1</b>	<b>Black zolatone instrument panels</b>
<b>70-11-3200</b>	<b>1</b>	<b>Colour coded tags</b> To match last truck M18-19971
<b>70-11-5110</b>	<b>1</b>	<b>Open storage above pump house</b> Include lumabar lighting, on when the park brake is set
<b>70-11-5620</b>	<b>1</b>	<b>Right side painted access door - Zolatone</b> Removable with two lift and turn latches, same as M18-19971
<b>70-11-7500</b>	<b>1</b>	<b>Heat pan-aluminum</b>
<b>70-11-8000</b>	<b>1</b>	<b>Heater in pump compartment</b> Switched on pump panel
<b>70-20-1120</b>	<b>2</b>	<b>4-1/2" compound gauge - dual face 0-400 Thuemling brand</b>
<b>70-20-2130</b>	<b>9</b>	<b>2-1/2" pressure gauge - dual face 0-400 - Thuemling brand</b>
<b>70-20-2500</b>	<b>1</b>	<b>Primer control</b> For main pump priming
<b>70-20-2501</b>	<b>2</b>	<b>Additional Primer control</b> For LS and RS pre prime - outboard of MIV
<b>70-20-3200</b>	<b>1</b>	<b>Class One Sentry Governor Control</b> Throttle can be no lower than 42" and no higher than 72" from operator's standing position. Governor changed to be compatible with chassis and engine software
<b>70-20-3500</b>	<b>1</b>	Electric water level gauge on pump panel, Class One
<b>70-20-3611</b>	<b>1</b>	<b>Remote PSTANK2 water level indicators each side, rear with driver</b> Active only when park brake is set

<b>PART NO</b>	<b>QTY</b>	<b>DESCRIPTION</b>
70-20-6500	1	Test gauge panel Mount below the compound gauges for proper draining
70-20-7500	1	<b>Heat exchanger control valve</b> Located on LS pump panel
70-21-5500	1	<b>Panel readout for Battery Conditioner</b> Located on LS cab step next to auto eject 120 volt inlet
<b>ACCESSORIES</b>		
80-11-5000	3	<b>6" x 10' lightweight suction hose (ea)</b> Two tube mounted, one on ladder rack tray
80-12-2500	1	<b>6" barrel strainer</b> Ship loose
80-13-0500	2	<b>Rubber mallet</b>
80-13-0510	2	<b>PAC Toolok bracket 1003-HD-Y for mounting rubber mallet</b> Install one at each pump panel - above the wrenches on the right side, below the wrenches on the left side
80-13-1000	1	<b>Hose wrenches (double) with holder</b> Ship loose
80-13-1100	2	<b>Hose wrenches (triple) with holder</b> Mount on pump panel similar to M18-19971
80-13-2500	1	<b>Pike pole, fibreglass handle - 10' long</b> Tube mounted
80-13-2516	1	<b>Pike pole, fibreglass handle - 12' long</b> Tube mounted
80-13-4000	1	<b>Axe, pick head, fibreglass handle and bracket</b> 1 side rear dump
80-13-4500	1	<b>Axe, flat head, fibreglass handle and bracket</b> 1 side rear dump
80-14-0500	1	<b>24' 2 section extension ladder PEL 24</b> Mounted on LAS
80-14-5500	1	<b>Price Adjustment</b>
80-14-6000	1	<b>16' aluminum roof ladder PRL-16</b>
80-14-7500	1	<b>Padded ladder boot - 2 section and roof ladder</b> Install on rear of ladders
80-14-8500	1	<b>10' aluminum folding attic ladder FL-10</b> Tube mounted in left side of hose bed, to slide between the water fill box and the side of the body
80-14-9000	1	<b>Price Adjustment</b>
80-15-1010	1	<b>3000 l gallon portable tank - Husky</b> Mounted on PTS

PART NO	QTY	DESCRIPTION
80-15-7025	1	<b>6" NHF LH swivel 30 degree elbow to 4" swivel Storz</b> Ship loose
80-16-0510	1	<b>Akron 3423 Portable/deck monitor with stacked tips</b> Mount on telescoping waterway
80-17-05AA	1	<b>20# dry chemical fire extinguisher</b> Mounted in RS fenderwell compartment
80-17-10AA	1	<b>15# CO2 fire extinguisher</b> Mounted in RS fenderwell compartment
80-18-0500	2	<b>SCBA bracket with strap - compt mount</b> Mount on fixed vertical partition in sliding tray in L1 compartment for customer SCBA
80-19-0500	2	<b>Large folding wheel chock - aluminum (ea)</b> Mount in LS fenderwell compartment
80-99-05AA	1	<b>6" NHF LH x 6" NHM 45 degree adapter</b> 1501194 Ship loose
80-99-25AA	1	<b>TFT 18" telescoping waterway - manual</b> 1521723 3" Victaulic inlet x 3" NPTM outlet Note that the 118" height restriction is for the rear of the vehicle only, keep the deck gun as low as possible but maintain the 18" telescoping waterway