



## Shop Order

Fredericton Regional Centre  
 Suite 2300  
 300 St. Mary's Street  
 Fredericton, NB E3A 2S4

Point-de-Butte FD

|  |  |
|--|--|
| <b>Sales Rep:</b><br>Gordon Green<br>Metalfab Ltd. | <b>Terms:</b><br>Chassis, body and equipment NET 30 days   |
| <b>Drawing #:</b> FT-11114-B (generic)             | <b>Penalty:</b><br>\$100.00 per working day after 12 months of the Pre-construction meeting(January 12.2019) |
| <b>Est. Delivery Date:</b> / /                     |  |
| <b>Customer PO #:</b> P106901819                   |  |
| <b>Customer #:</b>                                 |  |
| <b>QPF #:</b>                                      |  |

**Quote No:** PNB - Pont-de-Butte-0611  
**Job/Order No:** WO # 20668  
 11/27/2019

| PART NO           | QTY      | DESCRIPTION   |
|-------------------|----------|---|
|                   | 1        | == Metalfab Pumper - ULC 05/13 - 0.000 ==   |
|                   | 1        | CHANGE ORDER E  |
| 00-10-1500        | 1        | Metalfab Pumper E   |
| 00-20-1000        | 1        | Company Profile E   |
| <b>00-20-1501</b> | <b>1</b> | <b>One year base warranty</b><br><b>If the vehicle requires repairs at the Manufacturers facility or their Authorized Repair Facility, all costs including transportation costs to and from that facility, shall be the responsibility of the Manufacturer (for the warranty period).</b> |
| 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  |
| <b>00-20-2100</b> | <b>1</b> | <b>Plant Inspection Visits - five inspection visits for three representatives</b><br><b>Up to five visits for three representatives - times and dates to be determined.</b>   |
| 00-20-3000        | 1        | No Bonding Required   |
| 00-20-3500        | 1        | Certification for Fusion Welding of Aluminum  |
| <b>00-20-4000</b> | <b>1</b> | <b>Quality System registered to ISO 9001:2015</b>   |
| 00-20-4500        | 1        | Fire Apparatus Manufacturers' Association Membership  |
|                   | 1        | <b>GENERAL INFORMATION</b>  |
| 10-11-0000        | 1        | Intent E  |
| <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 E</b>  |
| <b>10-11-1500</b> | <b>1</b> | <b>ULC Testing - Pumper</b><br><b>Separate flow tests shall be taken for the front (if applicable) and rear suction flow rates. Written test results shall be presented to the Department of Environment and Local Government personnel during final inspection.</b>                      |
| <b>10-11-2100</b> | <b>1</b> | <b>Maximum length - 360"</b>  |
| <b>10-11-2200</b> | <b>1</b> | <b>Maximum height - 120"</b>  |
| 10-11-2300        | 1        | Overall length is less than 30'   |
| 10-11-2500        | 1        | General Construction  |
| <b>10-11-2600</b> | <b>1</b> | <b>Preconstruction Meeting</b><br><b>Held January 12.2019 in Fredericton, NB</b>  |

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|------------|-----|--|
| 10-11-3000 | 1   | <p><b>Manuals - three copies - (2 hard copies, 1 electronic)</b><br/>                     Two (2) copies and one (1) electronic copy of complete operation and service manuals will be provided covering the completed apparatus (body and equipment) as delivered and accepted, including the pump, wiring diagrams, lubrication charts, and fire fighting equipment delivered with the apparatus. Chassis manuals are those supplied by the chassis manufacturer.<br/>                     Body manuals are to include a parts list and a recommended service and maintenance schedule.<br/>                     Body manuals shall also contain the following drawings:<br/>                     • All electrical drawings;<br/>                     • Accessory mounting;<br/>                     • All drawings shall be ledger size - 11" x 17".</p>  |
| 10-11-3600 | 1   | <b>Delivery - FOB Fire Department - minimum eight hours training</b>   |
| 10-11-4300 | 1   | <b>Payment Terms - Chassis and Body NET 30</b>   |
| 10-20-1000 | 1   | Hose bed capacity - standard ULC Pumper  |
| 10-20-2000 | 1   | <p><b>Equipment carrying capacity - standard ULC Pumper</b><br/>                     This vehicle is designed to carry the standard ULC miscellaneous equipment load of 2000 pounds.</p>   |
|            | 1   | <b>CHASSIS INFORMATION</b>   |
| 20-11-1000 | 1   | <p><b>Chassis supplied by Metalfab - International HV607 450 HP</b><br/>                     International HV607 2 door<br/>                     44,000 lb GVW 14,000 lb front axle 30,000 lb rear axle<br/>                     210" wheelbase 142.9" cab to axle<br/>                     Cummins L9 450 HP @ 2100 rpm 2200 governed rpm<br/>                     1250 lb-ft torque @ 1400 rpm<br/>                     Maximum speed 110 km/hr<br/>                     Allison 3000 EVS automatic transmission, 5 speed, LH side opening for PTO installation<br/>                     325 Amp alternator<br/>                     189 litre fuel tank, 24" diameter, left side under cab<br/>                     Electronic stability program<br/>                     Tires to be dated within six (6) months preceding chassis manufacture date.<br/>                     Two 12 volt power points and one USB power point<br/>                     Flashing headlights<br/>                     Polished aluminum wheels c/w stainless nut covers, hub caps, high hats<br/>                     Single color - 2303 Red<br/>                     ***May require extension cables/harness' so the switch packs and indicator light packs for Diamond Logic can be relocated to the center console 20-31-7500.***</p> |
| 20-11-1500 | 1   | 2013 Emission chassis modifications  |
| 20-11-1700 | 1   | <p><b>Chassis Motor Vehicle Inspection required - NB E</b><br/>                     Chassis is provided with a New Brunswick Motor Vehicle Inspection dated the month of delivery.</p>   |
| 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>   |
| 20-21-1530 | 1   | <b>Tire Pressure Indicators - Single Axle</b>  |
| 20-21-1600 | 1   | <p><b>Apparatus Information Label</b><br/>                     An information label is provided in the chassis cab, visible to the driver, stating:<br/>                     "When manufactured, this vehicle was:<br/>                     ** m high<br/>                     ** m long<br/>                     ** kg GVW<br/>                     Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"</p>   |

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|-------------------|----------|--|
| 20-21-2000        | 1        | Non removable key  |
| 20-21-2500        | 1        | Shifter lock not required E  |
| 20-21-3500        | 1        | Rear step warning label  |
| <b>20-21-3810</b> | <b>1</b> | <b>Front mudflaps provided with chassis E</b>  |
| 20-21-4000        | 1        | Rear mudflaps - Metalfab Logo  |
| 20-31-0200        | 1        | Fuel fill label -Ultra Low Sulfur Diesel only  |
| <b>20-31-0500</b> | <b>1</b> | <b>Alum tread fuel tank trim, Conv - 2 door</b><br>Vertical trim only, OEM cab steps remain  |
| <b>20-31-1900</b> | <b>1</b> | <b>Chassis cab single color by chassis OEM</b>   |
| <b>20-31-7500</b> | <b>1</b> | <b>Console in cab</b><br>Install switch panel (50-11-0900), siren (50-11-14AA), door ajar light (Diamond Logic with chassis), Equipment rack not stowed warning light (Diamond Logic with chassis), switch for On Spot chains (20-41-5500), Signal Master control (50-11-7600), radio provisions (50-35-0500), Velcro strip for the wireless Visibeam control (50-21-3088), and pump shift (30-51-0500) in console.<br>Storage area with hinged cover and lift and turn latch provided at rear of console.<br>Gray Zolatone finish<br>***Layout to be confirmed at the Pre-construction meeting*** |
| <b>20-41-0600</b> | <b>1</b> | <b>No intake air shutoff for engine</b>  |
| <b>20-41-0900</b> | <b>1</b> | <b>Auxiliary braking system disabled when pumping</b>  |
| 20-41-1100        | 1        | Transmission programming - Allison WT<br>***Includes "Pump Engaged" light next to pump shift on chassis instrument panel.  |
| 20-41-1500        | 1        | Extend exhaust pipe - RS front of rear wheels E<br>Engineering to specify exhaust pipe material as required by the chassis manufacturer.<br>Engineering to sign off on the exhaust configuration to make sure it meets the chassis manufacturer's emission specifications.   |
| <b>20-41-1801</b> | <b>1</b> | <b>Battery boost terminals not required - batteries accessible</b>   |
| 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  |
| <b>20-41-5100</b> | <b>1</b> | <b>Rear Tow Hook - pintle hook E</b><br>The pintle hook shall be located in the center of the rear compartment - surface mount on back wall.   |
| <b>20-41-5500</b> | <b>1</b> | <b>ON SPOT Automatic traction chains</b><br>Control to be on the 20-31-7500 console within easy reach of the driver.   |
| <b>20-51-0700</b> | <b>1</b> | <b>Master Battery Disconnect included with 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>20-51-3500</b> | <b>1</b> | <b>Air outlet</b><br>Located on left side pump panel   |
| <b>20-51-4000</b> | <b>1</b> | <b>Auto eject for air inlet - LS</b><br>Located on left side chassis step due to pump panel rollup door.   |
| <b>20-51-6502</b> | <b>1</b> | <b>Kussmaul Battery Conditioner 1200 with Auto Eject and readout</b><br>Battery conditioner mounted behind console/drivers seat.<br>Auto Eject and readout located on left side chassis step area  |
| <b>20-51-7101</b> | <b>1</b> | <b>Electric System Management - Diamond Logic</b>  |
| <b>20-51-7300</b> | <b>1</b> | <b>Low Voltage Alarm in cab - Diamond Logic</b>  |
| <b>20-51-8510</b> | <b>1</b> | <b>Engine compartment light LED</b><br>Switched with the park brake.   |
| <b>20-51-9000</b> | <b>1</b> | <b>Air horns on hood, lanyard control at driver and momentary switch on dash</b><br>A lanyard for driver and a momentary dash mounted switch for the Officer.  |

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| 20-52-3000 | 1   | <b>Chassis steering wheel lined up Richwil</b><br>The chassis steering wheel will be straightened after the body and load is applied - prior to delivery to the customer.  |
| 20-52-4009 | 1   | <b>Pro Vision Video Systems - Front, right, left and rear view camera system - DVR</b><br>Monitor to be mounted on dash inside cab<br>Cameras mounted similar to Bath, NB M18-20025<br>Metalfab p/n 1530928 (ref PO #64470)<br>SOPT #1247 - truck specific   |
| 20-60-0400 | 1   | Chassis wheelbase does not change  |
| 20-90-1500 | 1   | <b>12 volt power point E</b><br>Install on dash next to the two supplied with the chassis.   |
|            | 1   | <b>PUMP AND PLUMBING</b>   |
| 30-11-5600 | 1   | Hale QFLO Single stage 1050 IGPM   |
| 30-12-3300 | 1   | Mechanical seal for Hale QFLO pump   |
| 30-15-0104 | 1   | <b>Plumbing - Hale manifold pump SM SS E</b>   |
| 30-20-0500 | 1   | Valves and controls - side mount panel   |
| 30-20-1003 | 1   | <b>Elkhart valves</b><br>Suction and discharge valves are Elkhart brand.   |
| 30-20-1600 | 1   | <b>Piping stainless steel - general</b><br>Schedule 10 stainless pipe is acceptable.   |
| 30-20-1700 | 1   | <b>1-1/2" thread specifications - NPSH</b><br>All 1 1/2" threads shall be NPSH with Red Head Storz adapter   |
| 30-20-1800 | 1   | <b>2-1/2" thread specifications - 3.0x8</b><br>Both 2-1/2" suction and discharge threads shall be customer thread with Red Head Storz adapters shipped loose.<br>The thread is to be 3.0x8   |
| 30-20-18AA | 1   | <b>Red Head Storz adapters to Customer's threads</b><br>Adapters shall be supplied for all 2 1/2" discharges and 2 1/2" suction inlets including the SSRV discharges to adapt Red Head Storz fitting to fit Fire Department 3.0x8 hoses complete with matching caps. (ref SOPT #46 - truck specific)<br>Department shall supply thread specification of their existing hoses.<br>1.5" is NPSH and 2.5" is 3.0x8  |
| 30-20-2000 | 1   | <b>Piping hydrostatic test</b>   |
| 30-20-2500 | 1   | <b>Anodes in suction and discharge piping</b><br>Install one anode on discharge side of pump, one anode on suction side of pump - do not use teflon tape or thread sealant.<br>Paint flange silver and mask brass anode before painting for visibility.  |
| 30-21-9515 | 1   | <b>Tank to Pump 4" Ball valve SS, electric control with check valve manifold pump</b><br>Electric control shall be on the left side pump operators panel.  |
| 30-22-1520 | 1   | <b>Tank Fill valve 2-1/2" SS</b>   |
| 30-31-4010 | 1   | <b>Suction - 6" each side manifold pump</b>  |
| 30-31-6027 | 1   | <b>Suction - 5" to rear, SS, electric control, bleeder, 6" connection</b><br>Suction shall be located on the left-hand side of the rear, below the 10" rear dump inside the rear compartment.<br>Bleeder for the suction shall be on the back wall of the back compartment.<br>Control for the electric valve (ref 30-31-7200) shall be on the left side pump operators panel.<br>There shall be a minimum of 625 IGPM flow capacity delivered at draft. A flow test shall be taken and written test results shall be presented to the Department of Environment and |

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|            |     | Local Government personnel during final inspection.<br>SOPT #509 - Truck specific   |
| 30-31-7200 | 3   | <b>Hale master intake suction valve - electric control</b><br>Electric MIV valves for the 6" left side inlet, the 6" right side inlet and the 6" rear inlet.<br>The manual override for the left side MIV will be on the left side pump panel<br>The manual over ride for the right side MIV will be on the right side pump panel<br>The manual override for the rear MIV will be on the left side pump panel.<br>All electric controls shall be located on the left side pump operators panel. |
| 30-32-7530 | 1   | <b>Suction - 2-1/2" left side SS, bleeder, Hale manifold pump</b>   |
| 30-32-8030 | 1   | <b>Suction - 2-1/2" right side SS, bleeder, Hale manifold pump</b>  |
| 30-40-2020 | 1   | <b>4" right discharge SS, plumbed 3", Hale manifold pump</b><br>The valve will be a 3" with a 4" Storz connection at the panel. The control will be a slo-close pull valve.   |
| 30-41-2020 | 1   | <b>2-1/2" RS discharge SS, bleeder, Hale manifold pump</b><br>***Foam capable   |
| 30-41-2520 | 2   | <b>2-1/2" LS discharge SS, bleeder, Hale manifold pump</b>  |
| 30-43-1520 | 2   | <b>2-1/2" rear discharge SS, plumbed 2-1/2", bleeder</b><br>***One each side - right side will be foam capable.   |
| 30-44-0720 | 2   | <b>1-1/2" speedlay (each) front of pumphouse SS, plumbed 2"</b><br>The speedlay area shall be a minimum of 8" wide with two (2) pull out aluminum trays and shall be no greater than 68" from the ground level to the bottom of the speedlay bed. The bottom of the trays will be line with black interlocking tiles. The transverse hose bed is equipped with stainless steel rollers for easier deployment and protection.<br>*** Both speedlays are foam capable                             |
| 30-44-6520 | 1   | <b>Piping for monitor SS, plumbed 3", bleeder</b><br>Piping is plumbed to open storage area over pump house - centered transversely near the rear of the open storage area.<br>This outlet is capped for future installation of Customer supplied and installed deck gun.<br>Bleeder valve will be on the left side pump panel.   |
| 30-51-0500 | 1   | Pump shift-Midship air<br>***Includes "Pump Engaged" and "OK to Pump" indicator lights on chassis instrument panel<br>***Includes "Throttle Ready" indicator light on Pump operating panel  |
| 30-51-0700 | 1   | Pump Gearbox mounted manual over ride for pump shift E  |
| 30-51-6640 | 1   | <b>Class One "TPG Plus" Governor/Throttle</b>   |
| 30-51-7005 | 3   | <b>Suction side relief V/V, manifold pump</b><br>For the 6" left side gated inlet, the 6" right side gated inlet and the 6" rear gated inlet.<br>Red Head Storz adapters required on all three.<br>Include Red Head Storz adapters to Customer's threads (ref 30-20-18AA)   |
| 30-51-7714 | 1   | <b>Trident Air Primer 3 barrel 4 location</b><br>Location #1 - main pump<br>Location #2 - Left side MIV Pre-prime<br>Location #3 - Right side MIV Pre-prime<br>Location #4 - Rear MIV Pre-prime   |
| 30-51-7720 | 1   | <b>Additional air tank for air primer system</b><br>An additional air tank is provided to improve air primer capacity   |
| 30-51-8100 | 1   | <b>Heat exchanger included with chassis</b>   |
| 30-52-1000 | 1   | Master drain V/V, 12 port   |
| 30-52-2000 | 1   | <b>Drain valve for foam system header</b>   |
| 30-52-5510 | 1   | <b>Foam system-Hypro FoamPro 2001 Single Tank</b><br>The 1-1/2" Speedlays (2), the 2-1/2" right side discharge and one 2-1/2" rear (right side  |

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|            |     | only) are to be foam solution capable.  |
| 30-52-8100 | 1   | <b>Electric foam fill pump with panel pickup</b><br>There shall be one (1) pump panel foam pick up connection for the foam tank, located on the right-side pump panel.<br>Control for the foam fill pump shall be located on the right-side pump panel.<br>Included will be a hose with the mating connection to the panel connection to allow filling from a ground level foam pail. The hose shall be stored inside the right-side pump access door on a bracket. |
| 30-52-9100 | 1   | <b>Foam concentrate label at foam tank fill</b>   |
| 30-52-9200 | 1   | <b>Foam System Instruction Plates</b>   |
| 30-52-9400 | 1   | <b>NFPA Foam System certification test</b>  |
|            | 1   | <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)   |
| 40-11-5500 | 1   | <b>Tank capacity 1200 Imperial Gallons</b>  |
| 40-12-5000 | 1   | <b>Foam cell - 30 Imperial gallon</b>   |
| 40-13-0100 | 1   | <b>Through the tank tunnel for portable tank storage</b><br>Requires Ladder tube storage 60-40-90 or any other tube mounts necessary  |
| 40-21-1000 | 1   | <b>4" tank to pump connection</b>   |
| 40-22-1000 | 1   | <b>2-1/2" tank fill connection</b>  |
| 40-23-0500 | 1   | 1" water level gauge connection   |
| 40-23-1000 | 1   | <b>1" foam level gauge connection</b>   |
| 40-23-1060 | 1   | <b>10" Newton dump connection</b>   |
| 40-30-0500 | 1   | <b>Sump drain valve (3" gate valve) with linkage E</b><br>Located left side of tank so no interference with drive line or exhaust.  |
| 40-30-1000 | 1   | Water Fill Box front left corner  |
| 40-31-3500 | 1   | <b>10" rear Newton dump, stainless steel</b>  |
| 40-31-3600 | 1   | <b>Newton dump - stainless steel 36" telechute</b>  |
| 40-31-5510 | 1   | <b>Electric operator for Newton dump, side mount</b><br>Switch is locate on the left rear above the tail lights and flashing warning light.<br>Provisions are made to allow manual operation of the dump line in the event of an emergency.   |
| 40-31-9010 | 1   | <b>4" Red Head Storz rear fill, Fireman's Friend</b><br>Right of dump line in rear compartment, bleeder required.   |
|            | 1   | <b>ELECTRICAL</b>   |
| 50-11-0450 | 1   | <b>Base electrical system - International Diamond Logic multiplex</b><br>The instrument panel lights, engine compartment lights, rear step lights, ground lights, hose bed cover lights and work lights will be activated with the park brake.  |
| 50-11-0600 | 1   | <b>Warning Light Certification</b>  |
| 50-11-0700 | 1   | <b>Low Voltage Electrical system test</b>   |
| 50-11-0800 | 1   | <b>Low Voltage Electrical System Documents</b><br>As required by ULC and NFPA standards   |
| 50-11-0900 | 1   | <b>Rocker switch panel with master warning switch</b><br>***Rocker switch assignments:<br>MASTER<br>-LIGHT BAR RED<br>-REAR BEACONS<br>-FLASHING WARNING<br>-REAR FLOODS  |

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|----------------|------------|--|
| 50-11-1470     | 1          | <b>Whelen 200 Watt Siren - Model 295SLSC1</b><br>P/N 1570997<br>SOPT #954a   |
| 50-11-1630     | 1          | <b>Siren speaker, 200 Watt, in front bumper</b>  |
| 50-11-2600     | 1          | <b>Siren to be accessible to driver and officer</b>  |
| 50-11-5812     | 1          | <b>Federal LPX53DS-NFPA lightbar</b><br>Red only - all lights are enabled in both Response and Scene modes - flash pattern to change when park brake is set.<br>SOPT #798  |
| 50-11-58AA     | 1          | <b>Federal Lighting package</b>  |
| 50-11-7600     | 1          | <b>Rear LED Signal Master warning lights</b><br>Model SL8.<br>Control will be located in the 20-31-7500 console.   |
| 50-11-9015     | 1          | <b>Rear Beacons, Federal NVG10 (pr), both red</b><br>SOPT #1063 - truck specific   |
| 50-12-5028     | 1          | <b>Front LED flashers (pr)-red Federal QL43-RR</b>   |
| 50-12-5118     | 1          | <b>Rear LED flashers (pr)-red Federal QL43-RR</b>  |
| 50-12-5218     | 1          | <b>Front side inter lts (pr)-red LED Federal QL43-RR</b>   |
| 50-12-5318     | 1          | <b>Body side inter lts (pr)-red LED Federal QL43-RR</b>  |
| 50-21-1505     | 1          | <b>Unity LED rear Floods (pr)</b><br>These lights cannot be managed as they are required for ULC.<br>SOPT #255a  |
| 50-21-2535     | 2          | <b>FRC telescoping Spectra LED 12-Volt flood (ea)</b><br>SPA530-Q15-SW-NS-H<br>One each side on front of front end. Lights are switched on the pump panel.<br>These lights can be managed to shed.<br>Hazard switch wired to the equipment not stowed warning light in cab.          |
| 50-21-3088     | 1          | <b>Federal Signal Wireless Visibeam</b><br>P/N 1031564<br>The rear portion of the light shall be shielded to avoid potential of light shining in driver's eyes.<br>Shield is to be painted to match cab.<br>The wireless control will be located on the console with a Velcro strip. |
| 50-21-5100     | 1          | Compartment lighting - LED tube lights in each compartment (rollup doors)  |
| 50-21-5500     | 1          | <b>Door Ajar warning light</b><br>Included with the Diamond Logic indicator lights.<br>Bilingual warning label in cab to read:<br>"Do Not Move Apparatus when Light is on"   |
| 50-21-5550     | 1          | <b>Equipment rack not stowed warning light</b><br>For the LTS, hose bed cover and the two Telights<br>Included with the Diamond Logic indicator lights.<br>Bilingual warning label in cab to read:<br>"Do Not Move Apparatus when Light is on"                                       |
| 50-21-8001     | 1          | <b>Step lights for body steps - 4" LED</b><br>Switched with the park brake   |
| 50-21-8200     | 1          | <b>Step lights for chassis steps - LED</b><br>Switched when the adjacent cab door is opened and by the park brake  |
| 50-21-83AA     | 1          | <b>LED lighting for rear step/platform</b><br>Switched with the park brake   |

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| 50-21-8600 | 1   | LED clearance lts and reflectors  |
| 50-22-0700 | 1   | <b>Whelen 64 LED tail/brake-turn-backup module (pr)</b>   |
| 50-31-6550 | 1   | <b>Ground lighting (LED Lumabar) - 2 door chassis</b>   |
| 50-31-6570 | 1   | <b>Ground lighting (LED Lumabar) - side mount body</b><br>Switched with the park brake.   |
| 50-35-0510 | 2   | <b>Provisions for Customer's mobile radio</b><br>Provision for two (2) customer radios is provided in the chassis console 20317500.<br>12-Volt power and ground is provided for these radios, powered directly from the battery, not through the master switch and fused for 30A.<br>Customer to provide make, model and dimensions of the radio's so proper cutouts can be made.<br>Radio #1 - Provincial TMR Motorola APX 4500<br>Radio #2 - Motorola M1225 that measures 6.5" wide x 1.75" thick<br>There will be a signal from the ignition required. |
| 50-35-0600 | 2   | <b>Antenna base only for commercial chassis complete with chrome raincap</b><br>Cable will be routed to the 20-31-7500 console and properly labeled.<br>Customer to specify any special mounting location or spacing requirements, otherwise antenna base will be installed behind the lightbar one left and one right side.<br>These locations were approved by Jeffrey Dixon by phone on 04.08.2019.  |
| 50-99-10AA | 1   | <b>Hose bed cover lights - 40 inch Lumabar</b><br>There will be 40" Lumabar installed under the hose bed cover to meet ULC. They will be activated with the park brake  |
|            | 1   | <b>BODY</b>   |
| 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 E   |
| 60-10-4700 | 1   | Integral aluminum fender trim   |
| 60-10-5400 | 1   | Diamondback pumphouse steps   |
| 60-10-5430 | 1   | Diamondback 19" rear step   |
| 60-10-6000 | 1   | Extruded rub rail   |
| 60-11-0300 | 1   | <b>Front left side compartments full height E</b>   |
| 60-11-0600 | 1   | <b>Front right side compartments intermediate height</b>  |
| 60-11-1000 | 1   | <b>Rear left side compartments full height E</b>  |
| 60-11-1300 | 1   | <b>Rear right side compartments intermediate height</b>   |
| 60-11-1900 | 1   | <b>Low side compartment (up to 18") each</b><br>Over right side rear wheel wheel  |
| 60-11-2000 | 1   | <b>High side compartment (over 18") each</b><br>Over left side rear wheel wheel   |
| 60-11-3200 | 1   | Full Height Rear compartment  |
| 60-11-4535 | 1   | <b>Flush mount aluminum door - single with "D" handle - flip up w/gas struts</b><br>For the compartment over right side rear wheel wheel  |
| 60-11-5500 | 1   | <b>Rollup door - standard height</b><br>For the compartment over left side rear wheel wheel<br>Natural aluminum finish<br>Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point   |
| 60-11-5510 | 2   | <b>Rollup door - intermediate height</b><br>For the right side front and rear compartments<br>Natural aluminum finish<br>Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point  |
| 60-11-5520 | 3   | <b>Rollup door - full height</b><br>For the left side front and rear compartments and the back compartment.<br>Natural aluminum finish  |



| PART NO    | QTY | DESCRIPTION   |
|------------|-----|---|
|            |     | Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point   |
| 60-11-5530 | 1   | <b>Rollup door - to enclose pump panel</b><br>Natural aluminum finish<br>Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point  |
| 60-11-5655 | 1   | <b>Amdor pull straps - Flex - HD For L2 compartment</b>   |
| 60-11-5660 | 3   | <b>Amdor pull straps - Flex - HD For L1, L3 and B1 compartments</b>   |
| 60-31-4100 | 1   | Extruded aluminum handrails<br>Minimum 2" clearance from handrail to any surface  |
| 60-31-5500 | 1   | <b>Steps at rear of body (folding) with LED lights</b><br>Maximum height between steps is 18"   |
| 60-31-5600 | 1   | <b>Steps and grab handles at front of body next to pump panel</b><br>Maximum height between steps is 18"<br>There shall be two (2) hand rails each side, one (1) on the side of the pump house aft of the crosslays and one (1) vertical at the front edge of the body.<br>The standard Metalfab locations were approved by Jeffrey Dicon by phone on 04.08.2019.   |
| 60-31-6500 | 1   | Compartment matting-Turtle tile   |
| 60-31-7900 | 1   | <b>Vertical unistrut tracking in all compartments</b>   |
| 60-31-8006 | 4   | <b>SCBA cylinder storage compartment (ea) -fender well</b><br>There shall be a cushion installed at the base of each compartment tube to protect the bottles.<br>Include loop to hold cylinder in place.<br>Customer to specify diameter of cylinders to be stored and OA length<br>Diameter - 6.5"<br>OA length - 24"  |
| 60-31-8650 | 4   | <b>Sliding tray (ea) - 500 lb capacity - lock in - lock out type</b><br>A latch to hold in the tray in the closed position to be included.<br>Slide out trays are installed in the following compartments at floor level;<br>Tray #1 - Left side front compartment<br>Tray #2 - Left side rear compartment<br>Tray #3 - Right side front compartment<br>Tray #4 - Right side rear compartment<br>Reflective stripe is applied on the exposed edge for visibility when the compartment door is open<br>The largest item that will be carried will be a pump that measures 32" long x 22.5" high x 23" deep |
| 60-31-9600 | 6   | <b>Adjustable shelf (ea)</b><br>Shelves are installed in the following compartments;<br>Shelf #1 - Left side front compartment - Shallow depth<br>Shelf #2 - Left side front compartment - Shallow depth<br>Shelf #3 - Left side rear compartment - Shallow depth<br>Shelf #4 - Left side rear compartment - Shallow depth<br>Shelf #5 - Right side front compartment - Shallow depth<br>Shelf #6 - Right side rear compartment - Shallow depth<br>Reflective stripe is applied on the exposed edge for visibility when the compartment door is open<br>150   |
| 60-32-3560 | 1   | <b>Three hose divider (each) - 2 adj / 1 fix</b><br>Hand hold required in end. There will be one (1) fixed to support the hose bed covers and two (2) adjustable.   |
| 60-32-7500 | 1   | <b>Hose bed - aluminum</b><br>The aluminum slats shall also be included in the area around the water and foam fill towers and the front storage area ahead of the front partition.  |

| PART NO    | QTY | DESCRIPTION  |
|------------|-----|--|
| 60-33-0000 | 1   | <b>Paint exterior - Imron Elite</b><br>*** Paint code and colour to match red on cab (2303)<br>Total paint and primer thickness shall be a minimum of 5.0 mi   |
| 60-33-0200 | 1   | Undercoat vehicle with KROWN rust protection   |
| 60-33-0600 | 1   | <b>Chassis wheels not painted</b><br>Polished Aluminum wheels  |
| 60-33-1000 | 1   | Paint pump and plumbing job colour   |
| 60-33-1600 | 1   | <b>Special paint compartment interior - gray zolatone E</b><br>The compartment interiors are finished with a gray textured paint for chip resistance. Shelves, trays, unistruts and hardware are left natural aluminum.  |
| 60-33-2200 | 1   | <b>Lettering - 80 letters up to 3" tall - 3 colour</b><br>*** Vinyl letters, Fire Department to provide details on location and text.<br>"911" shall be installed in 12" high red reflective on each rear side compartment doors.<br><br>Layout print approved by Fire Department November 4-19  |
| 60-33-3000 | 1   | <b>Reflective stripe - 4" white</b><br>50% of perimeter each side and 25% of perimeter front.<br>3M Scotchlite material  |
| 60-33-3310 | 1   | <b>Reflective stripe - red and yellow chevron at rear</b><br>Minimum 50% of rear vertical surface.<br>Printed on 3m Scotchlite material.   |
| 60-33-4700 | 1   | <b>No crosslay preconnects on vehicle E</b>  |
| 60-33-5000 | 1   | <b>Aluminum cover over hose bed with end tarps - black E</b>   |
| 60-40-5500 | 2   | <b>Suction hose tube (each) with door</b><br>To store the 6" x 13' suction hoses 80-11-5020.<br>Located under the tee of the water tank with rear access doors with lift and turn latches.<br>Door ajar switch required.   |
| 60-40-8500 | 2   | <b>Tail light box Fire Extinguisher tubes (pr)</b><br>For storage of the ABC fire extinguisher 80-17-0500 and the C02 fire extinguisher 80-17-1000.<br>PAC 1006-B Adjustamount straps will be installed to secure extinguishers in the tubes   |
| 60-40-9001 | 1   | <b>Tube mount for portable tank, through tank</b><br>To store the 1500 Imperial gallon portable tank 80-15-0500<br>Include a fastening system to hold the portable tank in place. There shall be rollers installed to facilitate the loading and unloading of the tank.  |
| 60-41-1000 | 1   | <b>Pike Pole tube with door</b><br>To store the 10' pike pole 80-13-2500 and the 6' pike pole 80-13-2510.<br>Located under the right side fender top with a rear access stainless steel door with lift and turn latch.   |
| 60-41-9001 | 1   | <b>Zico hydraulic Ladder Access system</b><br>Right side - for the storage of the 24' 2 section extension ladder 80-14-0500, the 14' roof ladder 80-14-5500 and the 10' attic ladder 80-14-8500 on the 80-14-9000 brackets.<br>To be wired so only operable when park brake is engaged.<br>Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body. |
| 60-41-9010 | 1   | <b>ZICO LAS switched at rear above tail light E</b><br>Switch is located on same side as electric rack - right side  |
|            | 1   | <b>INSTRUMENTATION</b>   |

| <b>PART NO</b> | <b>QTY</b> | <b>DESCRIPTION</b>   |
|----------------|------------|--|
| 70-11-0000     | 1          | <b>Warning Label on Pump Operator's Panel</b>  |
| 70-11-0501     | 1          | <b>Side mount instrument panel with rollup door LS only</b><br>No gauge or visual display can be higher than 84" above the operator's standing position<br>Midpoint of any control cannot be higher than 72" above the operator's standing position  |
| 70-11-1500     | 1          | <b>Stainless steel instrument panels</b><br>No gauge or visual display can be higher than 84" above the operator's standing position<br>Midpoint of any control cannot be higher than 72" above the operator's standing position   |
| 70-11-3200     | 1          | <b>Colour coded tags</b><br>Language to be English   |
| 70-11-4500     | 1          | <b>Diamondback grip type panel hood step right side</b>  |
| 70-11-5110     | 1          | <b>Open storage at rear top of pump house</b><br>Lighting required.<br>Floor to be covered with plastic interlocking tile  |
| 70-11-5500     | 1          | <b>Right side tread plate pump access door</b><br>No opening dimension less than 18"<br>Slot required for Primer level viewing   |
| 70-11-7500     | 1          | <b>Heat pan-aluminum</b>   |
| 70-11-8000     | 1          | <b>Heater in pump compartment</b><br>Heater switch will be located on the left side pump operators panel.  |
| 70-20-2130     | 9          | <b>2-1/2" pressure gauge - dual face 0-400 - Thuemling</b><br>Thuemling control rod assembly with 2-1/2" 0-400 dual scale pressure gauge/bezel assembly (chrome bezel and color code in handle)  |
| 70-20-2500     | 1          | <b>Primer control</b>  |
| 70-20-2501     | 3          | <b>Additional Primer control</b><br>For the three pre-primers - ref 30-51-7714   |
| 70-20-3100     | 1          | <b>Class One Governor Control</b><br>Throttle can be no lower than 42" and no higher than 72" from operator's standing position.   |
| 70-20-3500     | 1          | Electric water level gauge on pump panel, Class One  |
| 70-20-3610     | 1          | <b>Remote PSTANK water level indicators each side, rear with driver E</b><br>One each side at the front corner of body, and one on the rear left side upper corner<br>Interlock with park brake so powered only when the park brake is set.  |
| 70-20-6500     | 1          | Test gauge panel   |
| 70-20-7500     | 1          | <b>Heat exchanger control valve</b>  |
| 70-21-1500     | 1          | <b>Electric Foam Level gauge on pump panel, Class One</b>  |
|                | 1          | <b>ACCESSORIES</b>   |
| 80-11-5020     | 2          | <b>6 inch x 13 ft suction hose</b>   |
| 80-12-2500     | 1          | <b>6" barrel strainer</b><br>Mounted on the mounting plate 80-12-2510 on the back wall of the back compartment.<br>This location was approved by Jeffrey Dixon by phone on 04.08.2019.   |
| 80-12-2510     | 1          | <b>Supply and install mount for 6" barrel strainer</b><br>P/N 1501175 - SOPT #51<br>Mounted on the back wall of the back compartment. This location was approved by Jeffrey Dixon by phone on 04.08.2019.  |
| 80-12-4502     | 1          | <b>TFT A03HNX-JET Low Level strainer - 6" with Storz on jet (Red Head)</b><br>To achieve pump capacity through the low level strainer<br>P/N 1500702 SOPT #394<br>Red Head Storz fittings will be installed on the venturi<br>Mounted in the back compartment as approved by Jeffrey Dixon by phone on 04.08.2019. |

| <b>PART NO</b> | <b>QTY</b> | <b>DESCRIPTION</b>  |
|----------------|------------|---|
| 80-13-0500     | 1          | <b>Rubber mallet - with fibreglass handle</b><br>Mounted with the Toolok 80-13-0513 on the side wall of the pump panel compartment. This location was approved by Jeffrey Dixon by phone on 04.08.2019.                             |
| 80-13-0510     | 1          | <b>PAC Toolok 1003 for mounting rubber mallet</b><br>P/N 1562258 - SOPT #319<br>Mounted on the side wall of the pump panel compartment. This location was approved by Jeffrey Dixon by phone on 04.08.2019.                         |
| 80-13-1200     | 3          | <b>Clare hose wrenches (double) with holder</b><br>Mounted on left side pump panel, right side pump panel and on rear of body where room permits.   |
| 80-13-1500     | 1          | <b>Bar with bracket</b><br>Mounted horizontally under the rear compartment roll up door bottom facia.   |
| 80-13-2500     | 1          | <b>Pike pole, fibreglass handle - 10' long</b><br>Tube mounted.   |
| 80-13-2510     | 1          | <b>Pike pole, fibreglass handle - 6' long</b><br>Tube mounted.  |
| 80-13-4000     | 2          | <b>Axe, pick head, yellow fibreglass handle and bracket</b><br>***Non slip hand hold***<br>P/N 1520133<br>Mounting location to be on the sidewal of the back compartment as approved by Jeffrey Dixon by phone on 04.08.2019.       |
| 80-14-0500     | 1          | <b>24' 2 section extension ladder PEL 24</b><br>Mounted on LAS<br>Provide test documents as per 80-99-60AA  |
| 80-14-5500     | 1          | <b>14' aluminum roof ladder PRL-14</b><br>Mounted on LAS<br>Provide test documents as per 80-99-60AA  |
| 80-14-7500     | 1          | <b>Padded ladder boot - 2 section and roof ladder</b><br>Sized to fit nested 24' two section extension ladder and 14' roof ladder.  |
| 80-14-8500     | 1          | <b>10' aluminum folding attic ladder FL-10</b><br>Stored in the 80-14-9000 attic ladder bracket mounted on LAS<br>Provide test documents as per 80-99-60AA  |
| 80-14-9000     | 1          | <b>Attic ladder bracket (Zico)</b><br>Mounted on LAS  |
| 80-14-9100     | 1          | <b>Air chuck with 25' of 3/8" air hose</b><br>Shipped loose   |
| 80-15-0500     | 1          | <b>1500 l gallon portable tank - Husky</b><br>Two (2) drain sleeves required.<br>Tube mounted.  |
| 80-16-1500     | 1          | <b>Akron 2581 gated wye</b><br>A 2½" gated wye, 2½" Red Head Storz swivel to two (2) gated 1½" male NPSH with Red Head Storz adapters, pyrolite construction shall be supplied.<br>Shipped loose, not mounted. Customer will mount. |
| 80-17-0500     | 1          | <b>20# dry chemical fire extinguisher</b><br>Tube mounted.  |

| PART NO    | QTY | DESCRIPTION   |
|------------|-----|---|
| 80-17-1000 | 1   | <b>15# CO2 fire extinguisher</b><br>Tube mounted.   |
| 80-17-1500 | 1   | <b>2.5 gallon water extinguisher with mount</b><br>The water extinguisher and mount are to be shipped loose and will be installed by the fire department after the delivery.  |
| 80-18-0500 | 4   | <b>SCBA bracket with strap - compt mount</b><br>Bolted to the Zico Carousel 80-18-0700<br>Customer to provide dimensions of SCBA to be stored<br>Height: 24"<br>Width: 11"<br>Depth: 8.5"<br>Diameter of cylinder: 6.5"   |
| 80-18-0700 | 1   | <b>ZICO Quic Index SCBA carousel</b><br>Mounting location to be the rear right side compartment on sliding tray 60-31-8650 as approved by Jeffrey Dixon by phone on 04.08.2019.   |
| 80-19-0500 | 2   | <b>Large folding wheel chock - aluminum (ea) not mounted</b><br>Shipped loose, not mounted. Customer will mount.  |
| 80-19-0600 | 2   | <b>Horizontal bracket for folding wheel chock (ea)</b><br>Mounting location to be at the depth change of the L1 compartment as approved by Jeffrey Dixon by phone on 04.08.2019.  |
| 80-99-60AA | 1   | <b>Ground ladder tests to meet NFPA 1932 (2015 Edition)</b><br>All ladders shall be manufactured in current year and shall, prior to delivery, be tested as per NFPA-1932 (2015 or latest edition) within six months of date of delivery. A copy of the tests shall be provided at final inspection.<br>SOPT in file. |