



## Shop Order

Township of Warwick  
 6332 Nauvoo Road  
 RR #8  
 Warwick, ON N0M 2S0

Watford Station  
 2-door Pumper Tanker

|   |  |
|---|--|
| <b>Sales Rep:</b><br>Gordon Green<br>Metalfab Ltd.  | <b>Terms:</b><br>Chassis, body and equipment COD |
| <b>Drawing #:</b> FT-11107<br><b>Est. Delivery Date:</b> / /<br><b>Customer PO #:</b> 14052<br><b>Customer #:</b> 1439<br><b>QPF #:</b> | <b>Penalty:</b><br>None                          |

**Quote No:** Watford, ON -Ppr/Tkr-0125  
**Job/Order No:** 20575  
 06/08/2020

| PART NO           | QTY      | DESCRIPTION  |
|-------------------|----------|--|
|                   | 1        | == <b>Metalfab Pumper - ULC 05/13 - 0.000</b> ==   |
|                   | 1        | <b>Change Order H</b>  |
| 00-10-1500        | 1        | Metalfab Pumper E  |
| 00-20-1000        | 1        | Company Profile E  |
| 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   |
| <b>00-20-2000</b> | <b>1</b> | <b>Plant Visits - unlimited at customer expense</b><br>The final inspection visit was not possible due to travel restrictions due to pandemic. |
| <b>00-20-2100</b> | <b>1</b> | <b>Price Adjustment</b>  |
| 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   |
| 10-11-0105        | 1        | Vehicle Data Recorder not requested E  |
| <b>10-11-1100</b> | <b>1</b> | <b>ULC S515-13 Compliance</b>  |
| 10-11-1500        | 1        | ULC Testing - Pumper   |
| <b>10-11-2100</b> | <b>1</b> | <b>Maximum length - not specified</b><br>The overall length of 30' was removed prior to signing the order.                                     |
| <b>10-11-2200</b> | <b>1</b> | <b>Maximum height - 114"</b><br>The maximum height will be 114" to match the drawing.  |
| <b>10-11-2400</b> | <b>1</b> | <b>Overall length is 30' or more</b>   |
| 10-11-2500        | 1        | General Construction   |
| <b>10-11-3000</b> | <b>1</b> | <b>Manuals - two copies</b><br>***Two copies of manuals are required.  |
| <b>10-11-3600</b> | <b>1</b> | <b>Delivery - FOB Fire Department - by CCEV</b>  |
| <b>10-11-4200</b> | <b>1</b> | <b>Payment Terms - Chassis and Body COD</b>  |
| 10-20-1000        | 1        | Hose bed capacity - standard ULC Pumper  |

| PART NO    | QTY | DESCRIPTION   |
|------------|-----|---|
| 10-20-2000 | 1   | <b>Equipment carrying capacity - standard ULC Pumper</b><br>This vehicle is designed to carry the standard ULC miscellaneous equipment load of 2000 pounds.   |
|            | 1   | <b>CHASSIS INFORMATION</b>  |
| 20-11-1000 | 1   | <b>Chassis supplied by Metalfab - Freightliner M2 106 two door</b><br>44,600 lb GVW 14,6000 lb front axle 30,000 lb rear axle<br>209" Wheelbase 144" Cab to axle to match drawing FT-11107<br>Cummins L9 330 HP @ 2000 rpm 2200 governed rpm<br>1000 lb/ft torque @ 1400 rpm<br>Allison 3000 EVS automatic transmission, Top RH PTO opening<br>275 amp alternator<br>189 liter fuel tank, LH under cab<br>Safety kit included<br>ESC<br>Colors and paint line to match M09-12779 (L0007 EB white over L0762 EB Red). Hood to be red, paint line on side of cab to follow window line.<br>(Paint line to match 2014 St. Clair Tanker)<br>Spray outs required for Customer signoff. |
| 20-11-1500 | 1   | 2013 Emission chassis modifications   |
| 20-11-1700 | 1   | <b>Chassis Motor Vehicle Inspection required - by CCEV</b>  |
| 20-21-0500 | 1   | Fluid capacity plate  |
| 20-21-0600 | 1   | Pumping test plate  |
| 20-21-1010 | 1   | <b>Maximum riders sign - 3 persons</b>  |
| 20-21-1500 | 1   | Seat belt warning labels - 2 door chassis   |
| 20-21-1530 | 1   | <b>Tire Pressure Indicators - Single Axle</b>   |
| 20-21-1600 | 1   | Apparatus Information Label<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"  |
| 20-21-2000 | 1   | Non removable key   |
| 20-21-2500 | 1   | Shifter lock not required E   |
| 20-21-3500 | 1   | Rear step warning label   |
| 20-21-3810 | 1   | <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   |
| 20-31-0500 | 1   | <b>Alum tread fuel tank trim, Conv - 2 door</b><br>Vertical trim only, OEM cab steps remain   |
| 20-31-1900 | 1   | <b>Chassis cab two tone by chassis OEM - white over red</b><br>Colors and paint line to match M09-12779 (L0007 EB white over L0762 EB Red). Hood to be red, paint line on side of cab to follow window line.<br>(Paint line to match 2014 St. Clair Tanker)   |
| 20-31-4700 | 1   | <b>Extend front bumper, gravshld with preconnected hosewell E</b><br>***Bumper to be extended approximately 20" ahead of cab.<br>Swivel to be chrome above the gravel shield. The Department would like to have capacity for 300' of hose with nozzle. To be flat as wide as possible above frame rails. Cover to be above gravel shield and sloped toward chassis to allow opening of hood (notch extension as necessary).   |
| 20-41-0600 | 1   | <b>No intake air shutoff for engine</b>   |
| 20-41-0900 | 1   | <b>Auxiliary braking system disabled when pumping</b>   |
| 20-41-1100 | 1   | Transmission programming - Allison WT   |

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|-------------------|----------|--|
| 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.                                     |
| 20-41-1900        | 1        | Battery boost terminals with chassis E   |
| 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<br>*** Flat bar tow hooks under rear step (2)  |
| <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>   |
| <b>20-51-3100</b> | <b>1</b> | <b>No air inlet</b>  |
| 20-51-3400        | 1        | Protection valve installed for air operated accessories  |
| <b>20-51-6200</b> | <b>2</b> | <b>120 volt 20 A shore line connection</b><br>Standard 5-20R duplex receptacle in chassis cab, not fused<br>Customer to specify location of receptacles in cab<br>Receptacle #1 - Back wall of chassis for Kussmaul charger<br>Receptacle #2 - Back wall of the chassis<br>Minimum 12" from floor to meet ULC. |
| <b>20-51-6600</b> | <b>1</b> | <b>Kussmaul Pump Plus conditioner/compressor</b><br>Conditioner is mounted on floor under the two man bench seat.<br>Compressor is located in the upper forward portion of the L1 compartment as discussed with Todd Finnie by e-mail on 05.21.2020.   |
| <b>20-51-7101</b> | <b>1</b> | <b>Electric System Management - VMUX</b>   |
| <b>20-51-7500</b> | <b>1</b> | <b>Super Auto eject for 120 v - 20 A with sealed enclosure</b><br>Located in left side cab step area.  |
| <b>20-51-8510</b> | <b>1</b> | <b>Engine compartment lights LED (pair)</b><br>One required each side to light up complete engine compartment<br>Switched when park brake is set.  |
| <b>20-51-9001</b> | <b>1</b> | <b>Air horns on hood controlled by dual lanyards supplied with chassis</b>   |
| <b>20-52-3500</b> | <b>1</b> | <b>Chassis steering wheel lined up by Metalfab E</b>   |
| <b>20-52-4000</b> | <b>1</b> | <b>Rear View Camera system</b><br>Rearview Systems STM5600 with 5.6" colour monitor in cab mounted on cab dash   |
| 20-60-0400        | 1        | Chassis wheelbase does not change  |
|                   | <b>1</b> | <b>PUMP AND PLUMBING</b>   |
| <b>30-11-3010</b> | <b>1</b> | <b>Hale MBP midship pump - 625 IGPM PTO driven</b>   |
| <b>30-15-0304</b> | <b>1</b> | <b>Plumbing - non manifold pump SM SS E</b>  |
| 30-20-0500        | 1        | Valves and controls - side mount panel   |
| <b>30-20-1002</b> | <b>1</b> | <b>Akron valves specified</b>  |
| <b>30-20-1620</b> | <b>1</b> | <b>Piping stainless steel - non manifold Pumper</b>  |
| <b>30-20-1700</b> | <b>1</b> | <b>1-1/2" thread specifications - NPSH</b>   |
| <b>30-20-1800</b> | <b>1</b> | <b>2-1/2" thread specifications - CSA</b>  |
| 30-20-2000        | 1        | Piping hydrostatic test  |
| <b>30-20-2510</b> | <b>1</b> | <b>Anodes in suction and discharge piping - non manifold pump</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.                                    |
| <b>30-21-5520</b> | <b>1</b> | <b>Tank to Pump SS 3" w/ check valve non manifold pump</b><br>The piping will be 4".   |
| <b>30-22-1520</b> | <b>1</b> | <b>Tank Fill valve 2-1/2" SS</b>   |

| <b>PART NO</b>    | <b>QTY</b> | <b>DESCRIPTION</b>  |
|-------------------|------------|---|
| <b>30-31-3010</b> | <b>1</b>   | <b>Suction - 4-1/2" not gated each side SS non manifold pump 5" header</b><br>The pump will have a 5" threaded connection to match the header and allow the TFT relief valve 80-99-10AA to be installed on the pump panel without an extra adapter and allow it to not extend past the side of the body. The right side suction connection will be reduced to 4.5" to match all the accessories. There will be a 5" female to 4.5" male adaptor shipped loose to be used on the left side suction in case the relief valve gets removed.  |
| <b>30-31-5100</b> | <b>1</b>   | <b>Suction - 4" piping to rear - handwheel control - 4-1/2" threaded connection</b><br><b>Bleeder required (at rear). The connection will be 4-1/2" Threaded.</b>   |
| <b>30-31-7220</b> | <b>1</b>   | <b>Butterfly valve handwheel control remote indicator light closed only</b><br>For the rear suction, controls at left side pump panel.  |
| <b>30-32-7550</b> | <b>1</b>   | <b>Suction - 2-1/2" left side SS, bleeder, non manifold pump</b>  |
| <b>30-32-8050</b> | <b>1</b>   | <b>Suction - 2-1/2" right side SS, bleeder, non manifold pump</b>   |
| <b>30-40-2006</b> | <b>1</b>   | <b>4" right discharge, plumbed 3", non manifold pump</b><br>There will be a 4" right side discharge plumbed with a 3" valve and controlled from the left side pump panel.   |
| <b>30-40-3010</b> | <b>1</b>   | <b>Price Adjustment</b>   |
| <b>30-41-2040</b> | <b>1</b>   | <b>2-1/2" RS discharge SS, bleeder, non manifold pump</b>   |
| <b>30-41-2540</b> | <b>1</b>   | <b>2-1/2" LS discharge SS, bleeder, non manifold pump</b>   |
| <b>30-43-1520</b> | <b>1</b>   | <b>2-1/2" rear discharge SS, plumbed 2-1/2", bleeder</b><br>The discharge will be located on the Rear Right Side of the body.   |
| <b>30-44-1020</b> | <b>1</b>   | <b>1-1/2" front trash line SS, plumbed 2", hosewell</b><br>There will be a front trash line as described in 20-31-4700.   |
| <b>30-44-1040</b> | <b>1</b>   | <b>2" front discharge for monitor, electric valve and monitor extra</b><br>The plumbing for the monitor will be installed on the right side of the trash line hose well on the front bumper. Refer 80-99-05AA   |
| <b>30-51-0400</b> | <b>1</b>   | <b>Pump shift - PTO Pump and Roll</b><br>***Includes "Pump Engaged" indicator lights on chassis instrument panel and on the pump panel<br>***Includes "Throttle Ready" indicator light on Pump operating panel<br>Includes indicator light showing "OK TO PUMP" when transmission is in neutral, park brake is set, and PTO control energized. The remote electronic throttle will be energized in this mode.<br>Includes indicator light showing "OK TO PUMP AND ROLL" when the transmission is not in neutral, the park brake is not set, and the PTO control is energized. The remote electronic throttle will not be energized in this mode.<br>***Indicator lights in cab located in overhead console over drivers seat. |
| <b>30-51-1500</b> | <b>1</b>   | <b>Power shift PTO - Automatic transmission</b><br>To drive the pump.<br>PTO switch is located in the dash easily accessible to the driver.   |
| <b>30-51-1501</b> | <b>1</b>   | <b>PTO driveshaft E</b>   |
| <b>30-51-6640</b> | <b>1</b>   | <b>Class One "TPG Plus" Governor/Throttle</b>   |
| <b>30-51-7002</b> | <b>2</b>   | <b>Suction side relief V/V, non manifold pump</b><br>SSRV's for the following:<br>Main pump<br>4" rear gated suction  |
| <b>30-51-7700</b> | <b>1</b>   | <b>Primer Hale oil less ESP with oil tank Hale</b><br>Indicator light on panel to show when primer is operating   |
| <b>30-51-8100</b> | <b>1</b>   | <b>Heat exchanger included with chassis</b>   |
| <b>30-52-1000</b> | <b>1</b>   | Master drain V/V, 12 port   |

| <b>PART NO</b> | <b>QTY</b> | <b>DESCRIPTION</b>   |
|----------------|------------|--|
| 30-52-2000     | 1          | <b>Drain valve for foam system header</b>  |
| 30-52-4010     | 1          | <b>Foam System - Hypro FoamPro 1600</b><br>The front bumper trashline, turret, left pump panel 2.5", right pump panel 2.5" and rear 2.5" discharge outlets are to be foam solution capable. The department are aware that the foam pump will only be able to supply two (2) of these discharges at any given time due to the foam pump capacity. |
| 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)  |
| 40-11-6500     | 1          | <b>Tank capacity 1500 Imperial Gallons</b>   |
| 40-12-4500     | 1          | <b>Foam cell - 20 Imperial gallon</b><br>The foam cell will be 20 Imperial Gallons.  |
| 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          | <b>1" water level gauge connection</b>   |
| 40-23-1000     | 1          | <b>1" foam level gauge connection</b>  |
| 40-23-1040     | 1          | <b>4" direct fill 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   |
| 40-31-4500     | 1          | <b>10" rear Newton dump, painted steel</b>   |
| 40-31-5000     | 1          | <b>Newton dump - 36" telechute painted steel</b>   |
| 40-31-5500     | 1          | <b>Electric operator for Newton dump, side mount</b><br>Switch is located at rear above the left side tail light module. The actuator will be on the side in order to allow more room for the ladder storage.  |
| 40-31-5600     | 1          | <b>Rotating dump chute for Newton dump painted steel</b>   |
| 40-31-5800     | 1          | <b>Support for rotating dump chute if necessary</b><br>Engineering to determine if this support is required  |
| 40-31-8000     | 1          | <b>4" Storz rear gtd fill</b><br>Right of dump   |
|                | 1          | <b>ELECTRICAL</b>  |
| 50-11-0300     | 1          | <b>Base electrical system - multiplex E</b>  |
| 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<br>As required by ULC and NFPA standards   |
| 50-11-0900     | 1          | <b>Rocker switch panel with master warning switch</b><br>Rocker switches located in overhead center console.<br>***Rocker switch assignments:<br><b>MASTER</b><br>-LIGHT BAR RED<br>-LIGHT BAR CLEAR<br>-REAR BEACONS<br>-FLASHING WARNING<br>-REAR FLOODS<br>-DITCH LIGHTS<br>-GROUND LIGHTS  |
| 50-11-1400     | 1          | <b>Federal PA300 100 watt siren</b><br>Siren located in overhead center console, right of rocker switches.   |

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|----------------|------------|--|
| 50-11-1620     | 1          | <b>Siren speaker, 100 watt, in front bumper</b><br>Left side.  |
| 50-11-2600     | 1          | <b>Siren to be accessible to driver and officer</b>  |
| 50-11-5813     | 1          | <b>Federal LPXSDS-NFPA lightbar with two blue lights</b><br>There will be a Federal LPXSDS-NFPA light bar with two (2) blue lights.  |
| 50-11-5900     | 1          | <b>Federal light package</b>   |
| 50-11-7600     | 1          | <b>Rear LED Signal Master warning lights</b><br>SL8S-A-50<br>Control to be mounted in dash where space permits.  |
| 50-11-9015     | 1          | <b>Rear Beacons, Federal NVG10 (pr), one red, one blue</b><br>Red on left, blue on right   |
| 50-12-5020     | 1          | <b>Front LED flashers (pr) - Federal QL64XF one red, one blue</b><br>Blue left side, red right side  |
| 50-12-5110     | 1          | <b>Rear LED flashers (pr) - Federal QL64XF one red, one blue</b><br>Blue left side, red right side   |
| 50-12-5210     | 1          | <b>Front side inter lts (pr) - LED Federal QL64XF one red, one blue</b><br>In bumper tails - red left side, blue right side  |
| 50-12-5310     | 1          | <b>Body side inter lts (pr)-red LED Federal QL64XF-R</b><br>Blue left side, red right side   |
| 50-12-8000     | 1          | <b>Additional body side intersection light not required</b><br>Distance between front and rear side intersection light does not exceed 25'   |
| 50-21-1505     | 1          | <b>Unity LED Rear floods (pr)</b><br>Switched in cab and on light head<br>These lights cannot be managed as they are required for ULC.   |
| 50-21-1610     | 1          | <b>Parking (ditch) lights in rear fenders - LED with Stainless Steel housings</b><br>Switched in cab and interlocked with transmission reverse gear  |
| 50-21-2540     | 2          | <b>FRC telescoping SPECTRA LED 12V flood (ea)</b><br>One on each side of the pump house. These lights are switched on the light head and can be managed to shed.<br>Wire hazard switch to the equipment rack not stowed warning light (50-21-5550)<br>SPA530-Q15-SW-ON-SR-NS-H |
| 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>Located in overhead console over driver seat (standard LED light)<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>Located in overhead console over driver seat. Bilingual Warning label in cab to read:<br>"Do Not Move Apparatus when Light is on". This will monitor the Porta Tank rack 60-41-6001 and the telights 50-21-2540.             |
| 50-21-8001     | 1          | <b>Step lights for body steps - 4" LED</b><br>Switched when park brake is set.   |
| 50-21-8200     | 1          | <b>Step lights for chassis steps - LED</b><br>Switched when park brake is set.   |

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| 50-21-8600        | 1        | LED clearance lts and reflectors   |
| <b>50-21-8800</b> | <b>1</b> | <b>LED intermediate turn signal/clearance/reflector length &gt;30'</b><br>There will be intermediate turn signal and clearance lights supplied and installed in the rub rail where the overall length of the unit is over 30'.   |
| 50-22-0700        | 1        | <b>Whelen C6 LED tail/brake-turn-backup module (pr)</b>  |
| 50-31-6600        | 1        | <b>Ground lighting (4" LED) - 2 door chassis</b><br>Operable when the cab door is opened and when the ground light switch is turned on.  |
| 50-31-6620        | 1        | <b>Ground lighting (4" LED) - side mount body</b><br>Operable when the ground light switch is turned on.   |
| 50-35-0560        | 2        | <b>VHF antenna with base - commercial chassis</b><br>There will be an antenna lead and 12-volt power installed in the chassis cab. There will be a 2nd antenna lead and 12-volt power installed in the L1 compartment. Both antennas will be installed behind the light bar. |
| 50-99-10AA        | 1        | <b>Hose bed cover lights - 40" LED Lumabars x 4</b><br>Switched when park brake is set.  |
|                   | 1        | <b>BODY</b><br><b>Modified body to match post tender negotiations</b>  |
| 60-10-1400        | 1        | Single axle extruded aluminum body   |
| 60-10-4100        | 1        | No "beavertail" rear step supports   |
| 60-10-4600        | 1        | <b>Painted fender surround</b><br>The rear fender well will be painted job color.  |
| 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>  |
| 60-11-0350        | 1        | <b>Second 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>The doors will be drop down.   |
| 60-11-2000        | 1        | <b>High side compartment (over 18") each</b>   |
| 60-11-3100        | 1        | <b>No rear compartment E</b>   |
| 60-11-4500        | 1        | <b>Flush mount aluminum door - single with "D" handle</b><br>The door will be flip down.   |
| 60-11-5500        | 1        | <b>Rollup door - standard height</b><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>Natural aluminum finish<br>Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point<br>Right side front compartment<br>Right side rear compartment  |
| 60-11-5520        | 1        | <b>Rollup door - full height</b><br>Natural aluminum finish<br>Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point   |
| 60-11-5520        | 1        | <b>Rollup door - full height</b><br>Natural aluminum finish  |

| PART NO    | QTY | DESCRIPTION   |
|------------|-----|---|
|            |     | Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point   |
| 60-11-5520 | 1   | <b>Rollup door - full height</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 Flex strap - L3 compartment</b><br>There will be an Amdor Flex strap installed on the L3 compartment   |
| 60-11-5660 | 3   | <b>Amdor Flex strap - L1, L2 and L4 compartment</b><br>There will be an Amdor Flex strap installed on the L1, L2 and L4 compartments  |
| 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   | Steps and grab handles at front of body next to pump panel<br>Maximum height between steps is 18"   |
| 60-31-5800 | 1   | <b>Full width step over rear dump</b><br>There will be a full width step on the rear of the body above the ladder storage (60-40-9000).   |
| 60-31-6500 | 1   | <b>Compartment matting - Black plastic tiles</b>  |
| 60-31-8006 | 4   | <b>BA bottle compt (ea)-fender well</b><br>Stainless steel door, cylinder retaining strap required.   |
| 60-31-8210 | 1   | <b>Sliding vertical tool board - lock in - lock out</b><br>Located in second front left compartment - centered<br>The tool board will have lock in lock out tool boards to match the Warwick Pumper as discussed with Todd Finnie by phone on 04.21.2020  |
| 60-31-865A | 2   | <b>Sliding tray (ea) - 400 pound capacity - lock in / out</b><br>The sliding trays will be located:<br>Tray #1 - Front right side compartment<br>Tray #2 - Rear right side compartment  |
| 60-31-9600 | 5   | <b>Adjustable shelf (ea)</b><br>Shelves are located at floor level 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 - Right side front compartment - shallow depth<br>Shelf #5 - Right side rear compartment - shallow depth<br>Reflective stripe is applied on the exposed edge for visibility when the compartment door is open. |
| 60-32-3550 | 1   | <b>Two adjustable hose divider (ea) and one fixed in center to support H bed covers</b><br>Hand hold required in end  |
| 60-32-7500 | 1   | Hose bed - aluminum   |
| 60-33-0000 | 1   | <b>Paint exterior - Imron Elite</b><br>*** Paint code and colour red to match red on cab  |
| 60-33-0200 | 1   | Undercoat vehicle with KROWN rust protection  |
| 60-33-0600 | 1   | <b>Chassis wheels not painted</b>   |
| 60-33-1000 | 1   | Paint pump and plumbing job colour  |
| 60-33-1500 | 1   | Buffed finish compartment interior  |



| PART NO    | QTY | DESCRIPTION   |
|------------|-----|---|
| 60-33-2200 | 1   | <b>Lettering - 80 letters up to 3" tall - 3 colour</b><br>Lettering as approved drawing   |
| 60-33-22AA | 1   | <b>Canadian Flag on Porta Tank cover</b><br>There will be a Canadian Flag identical to Watford M19-20574 installed on the porta tank cover as requested by Todd Finnie by e-mail on 11.28.2019.   |
| 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<br>Striping layout as approved drawing   |
| 60-33-3310 | 1   | <b>Reflective stripe - red and yellow chevron at rear</b><br>Minimum 50% of rear vertical surface.<br>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><br>Door ajar switch required.<br>Rear flaps with Velcro straps will be provided on the rear of the cover to tie around footman's loops.<br>Cover over hose bed only - dunnage area is open   |
| 60-40-2500 | 2   | <b>4-1/2" Hose tray - side mount (ea)</b><br>Left side over the fender top<br>For storage of the 4-1/2" x 10' suction hoses 80-11-3000.<br>Stainless steel scuff plate each end   |
| 60-40-9000 | 1   | <b>Tube mount for ladders, with rear door</b><br>Through the water tank, door ajar switch required.<br>For storage of a customer supplied 24' two section extension ladder and the 14' roof ladder 80-14-5500.<br>Door to be flip up, smooth aluminum with "D" handle latch.<br>The compartment will be located below the full width step 60-31-5800.<br>Customer supplied 24' 2-section ladder information:<br>Make: Duo Safety<br>Overall width: 22"<br>Thickness: 3-1/4"<br>Overall length: 170" |
| 60-41-1015 | 2   | <b>Pike Pole tube in ladder tube</b><br>To store the two 10' pike poles 80-13-2500.   |
| 60-41-1500 | 1   | <b>Attic ladder tube</b><br>For Customer's attic ladder.<br>Customer to supply make, model and dimensions of ladder to be stored<br>Make - Duo Safety<br>OA Length folded - 136"<br>OA width folded - 1-3/4"<br>OA Depth folded - 3-1/2"  |
| 60-41-6001 | 1   | <b>Zico hydraulic portable tank rack</b><br>Right side - for the 2000 gallon portable tank 80-15-1000<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.  |
| 60-41-6010 | 1   | <b>ZICO PTS switched at rear above tail light</b><br>Switch is located on same side as electric rack - right side   |

| PART NO           | QTY      | DESCRIPTION  |
|-------------------|----------|--|
| <b>60-41-6110</b> | <b>1</b> | <b>Painted plate on exterior of Zico PTS</b><br>There will be a painted cover on the Porta Tank Rack 60-41-6001 as requested by Todd Finnie by e-mail on 11.28.2019  |
| <b>60-41-7100</b> | <b>1</b> | <b>Tread plate on body behind porta tank rack</b>  |
|                   | <b>1</b> | <b>INSTRUMENTATION</b>   |
| 70-11-0000        | 1        | Warning Label on Pump Operator's Panel   |
| 70-11-0500        | 1        | Side mount instrument panel<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        | Stainless steel instrument panels<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        | Colour coded tags  |
| 70-11-4100        | 1        | Stainless steel side panel hood left side  |
| <b>70-11-4500</b> | <b>1</b> | <b>Diamondback grip type panel hood step right side</b>  |
| <b>70-11-5100</b> | <b>1</b> | <b>Open storage at rear top of pump house</b><br>There will be open top storage above the pump house. The floor will be covered with interlocking plastic tiles. The storage area will be illuminated with an LED tube light which will be activated when the park brake is applied. There will be drains installed in the floor connected to conduit which will run to below the chassis frame. |
| <b>70-11-5500</b> | <b>1</b> | <b>Right side tread plate pump access door</b><br>No opening dimension less than 18"<br>Flip up with gas struts and "D" handle<br>Primer tank to be mounted just inside door on front wall<br>See pic 2431 in M09-12779 photos   |
| 70-11-7500        | 1        | Heat pan-aluminum  |
| <b>70-11-8000</b> | <b>1</b> | <b>Heater in pump compartment</b><br>A pump house heater will be installed to meet the tender.   |
| <b>70-20-0500</b> | <b>2</b> | <b>4-1/2" compound gauge - dual face 0-400</b><br>To be within 8" of each other - edge to edge   |
| <b>70-20-1500</b> | <b>5</b> | <b>2-1/2" pressure gauge - dual face 0-400</b><br>Gauge to be no more than 6" from edge of the gauge to the center of the control.   |
| <b>70-20-2500</b> | <b>1</b> | <b>Primer control</b>  |
| <b>70-20-3100</b> | <b>1</b> | <b>Class One Governor Control</b><br>Throttle can be no lower than 42" and no higher than 72" from operator's standing position.   |
| <b>70-20-3500</b> | <b>1</b> | <b>Electric water level gauge on pump panel, Class One</b><br>There will be a Class One water level gauge supplied and installed on the pump panel.  |
| <b>70-20-3610</b> | <b>1</b> | <b>Remote PSTANK water level indicators each side, rear with driver</b><br>There will be a Whelen PS Tank gauge installed on each side of the body and one (1) on the rear. They will be interlocked with the park brake of the chassis.   |
| 70-20-6500        | 1        | Test gauge panel<br>Mount below the compound gauges for proper draining  |
| <b>70-20-7500</b> | <b>1</b> | <b>Heat exchanger control valve</b>  |
| <b>70-21-1500</b> | <b>1</b> | <b>Electric Foam Level gauge</b><br>There will be a foam level gauge supplied and installed on the pump panel. It includes access to and room for sender in front of body and back of pump house.  |

| PART NO    | QTY | DESCRIPTION  |
|------------|-----|--|
| 70-21-2100 | 1   | <b>PTO Hourmeter</b><br>Located on pump operators panel - left side  |
| 70-21-5500 | 1   | <b>Panel readout for Battery Conditioner</b><br>Located in left side cab step area.  |
|            | 1   | <b>ACCESSORIES</b>   |
| 80-11-3000 | 2   | <b>4-1/2" x 10' lightweight suction hose (ea)</b><br>Stored on side mount suction hose trays   |
| 80-12-3500 | 1   | <b>4-1/2" low level strainer with 1-1/2" venturi connection</b><br>Shipped loose, not mounted. Customer will mount.  |
| 80-13-0500 | 1   | <b>Rubber mallet</b><br>Shipped loose, not mounted. Customer will mount.   |
| 80-13-1000 | 2   | <b>Hose wrenches (double) with holder</b><br>Mount on side wall of L1 and R1 due to limited space on pump panel. As discussed with Todd Finnie by phone on 06.05.2020  |
| 80-13-1100 | 1   | <b>Hose wrenches (triple) with holder</b><br>Mount on rear of body where room permits. This bracket includes two hose wrenches and one hydrant wrench.   |
| 80-13-1200 | 1   | <b>Clare hose wrenches (double) with holder</b><br>A set of Clare hose wrenches will be installed on the rear of the body.   |
| 80-13-1500 | 1   | <b>Bar with bracket</b><br>Mounted under back door opening above rear step unless otherwise specified.   |
| 80-13-2500 | 2   | <b>Pike pole, fibreglass handle - 10' long</b><br>Tube mounted   |
| 80-13-4000 | 1   | <b>Axe, pick head, fibreglass handle and bracket</b><br>Will be shipped loose as discussed with Todd Finnie by phone on 06.05.2020.  |
| 80-13-4500 | 1   | <b>Axe, flat head, fibreglass handle and bracket</b><br>Will be shipped loose as discussed with Todd Finnie by phone on 06.05.2020.  |
| 80-14-5500 | 1   | <b>14' aluminum roof ladder PRL-14</b><br>Tube mounted.  |
| 80-15-1000 | 1   | <b>2000 l gallon portable tank - Husky</b><br>Stored on the PTS.   |
| 80-15-5500 | 1   | <b>4-1/2" external suction butterfly valve</b><br>There will be a 4.5" external butterfly valve installed on the left side suction.  |
| 80-18-0500 | 3   | <b>SCBA bracket with strap - compt mount</b><br>Installed on the pull out tool board 60-31-8210.<br>Customer to specify spacing requirements:<br><br>Customer to specify make, model, diameter of cylinder and overall Length, width and depth of SCBA to be stored<br>Make - Scott<br>Model - 2216 PSI<br>Diameter of cylinder - 6.6"<br>OA height of SCBA - 25"<br>OA width of SCBA - 16"<br>OA Depth of SCBA - 11.25" |

| PART NO    | QTY | DESCRIPTION   |
|------------|-----|---|
| 80-99-05AA | 1   | <p><b>Elkhart 894-01 Elkhart Sidewinder Remote Monitor with joystick control</b><br/> An Elkhart 8494-01 Electric Sidewinder Remote Monitor with joystick control is supplied with the unit. The monitor shall be installed on the front bumper and come complete with an electric discharge valve to be controlled from the joystick control. The joystick control shall be mounted in the chassis cab to the officer's side (on dash or were space permits).<br/> SOPT #887a - Truck specific<br/> Elkhart part numbers;<br/> 8494111 - Sidewinder electric monitor<br/> 3817301 - SM-10FE Nozzle<br/> 81181001 - 2" electric valve kit<br/> 81342001 - Quick connect base, 2.0<br/> 81172001 - Joystick in cab</p> <p>***Engineering to confirm the above numbers before ordering***</p> |
| 80-99-10AA | 1   | <p><b>TFT Relief valve female swivel to 4" storz</b><br/> TFT part number - AB3SP-NT-PS (5" FNH x 4" Storz - shaft on top)<br/> Adapter required to reduce down to 4-1/2" thread will be shipped loose for the suction in case the relief valve gets removed.<br/> Kochek 37R455 (5" MNH x 4-1/2" FNH) - shipped loose<br/> SOPT 914 - Truck specific<br/> Will be installed on the right side suction and will not extend past the body side.</p>  |
| 80-99-15AA | 1   | <p><b>4" Storz to 4-1/2" MNH adapter</b><br/> There will be a 4" Storz to 4-1/2" MNH adapter supplied. It will be shipped loose as discussed with Todd Finnie by phone on 06.05.2020. SOPT 541</p>  |
| 80-99-20AA | 1   | <p><b>4" Storz to 2-1/2" female adapter</b><br/> There will be a 4" Storz to 2-1/2" female adapter supplied. It will be shipped loose as discussed with Todd Finnie by phone on 06.05.2020. SOPT 137</p>  |
| 80-99-25AA | 1   | <p><b>4" Storz holder plate</b><br/> There will be a 4" Storz holder plate supplied. It will be shipped loose as discussed with Todd Finnie by phone on 06.05.2020</p>  |
| 80-99-30AA | 1   | <p><b>4" hose x 25' long</b><br/> There will be a 4" Storz hose that is 25' long supplied with the unit and shipped loose.</p>  |
| 80-99-35AA | 3   | <p><b>2.5" x 1.5" reducing cap - chrome plated</b><br/> There will be three (3) 2.5" CSA female to 1.5" NPSH male reducing cap supplied and installed on the left, right and rear 2.5" discharges as requested in the tender document.<br/> Metalfab part # - 1501243 and 1500281<br/> SOPT 791</p>   |