

## **Shop Order**

Carrier Truck Center Inc O/A Carrier Centers 645 Athlone Place Woodstock, ON N4S 7V8 Custom Pumper for Georgina Fire Department

Exp. Date: 10/14/2020 Quote No: 10071-0021 Job/Order No: 21767 BODY: 00-10-15

Metalfab Pumper - ULC 05/13

| 05/24/2022 |   |  |     | Page 1 |
|------------|---|--|-----|--------|
| PART NO    | S | DESCRIPTION  | QTY | ID     |
|            |   | == Metalfab Pumper - ULC 05/13 - 0.000 ==                                  | 1   | MTL    |
|            | S | Change Order G   | 1   | MTL    |
| 00-05-0020 | S | Dealer - Carrier Centers Emergency Vehicles - Rod                          | 1   | MTL    |
| 00-10-1520 | U | Metalfab Pumper  | 1   |        |
| 00-20-1000 |   | Company Profile  | 1   | MTL    |
| 00-20-1500 | S | Standard Body Warranty   | 1   | MTL    |
| 00-20-1550 |   | Metalfab Limited Ten (10) Year Paint and Corrosion Warranty                | 1   | MTL    |
| 00-20-1600 |   | Waterous Pump Warranty - 5 years   | 1   | MTL    |
| 00-20-1800 |   | Polypropylene Tank Lifetime Warranty                                       | 1   | MTL    |
| 00-20-2100 | S | Plant Inspection Visits - expense covered by CCEV                          | 1   | MTL    |
| 00-20-3500 |   | Certification for Fusion Welding of Aluminum                               | 1   | MTL    |
| 00-20-4000 | S | Quality System registered to ISO 9001:2015                                 | 1   | MTL    |
| 00-20-4500 |   | Fire Apparatus Manufacturers' Association Membership                       | 1   | MTL    |
|            |   | GENERAL INFORMATION  | 1   | MTL    |
| 10-11-0000 |   | Intent E   | 1   | MTL    |
| 10-11-0110 |   | Vehicle data recorder included with chassis                                | 1   | MTL    |
| 10-11-1103 | U | ULC S515-13 and NFPA 1901-2016 Compliance                                  | 1   |        |
| 10-11-1700 |   | > ULC Testing - Pumper - Metric units of measure                           | 1   | MTL    |
|            |   | ENG. NOTE:   |     |        |
|            |   | Note in the shop note if the Fire Department wishes to witness the test    |     |        |
|            |   |  |     |        |
|            |   | Tested to 6000 Litres per minute   |     |        |
|            |   |  |     |        |
| 10-11-2100 |   | Maximum length not specified E   | 1   | MTL    |
| 10-11-2200 |   | Maximum height not specified E   | 1   | MTL    |
| 10-11-2400 |   | Overall length is 30' or more  | 1   | MTL    |
| 10-11-2500 |   | General Construction   | 1   | MTL    |
| 10-11-2600 | S | Preconstruction Meeting - By CCEV  | 1   | MTL    |
|            | _ | Deadline for chassis changes is December 3rd, 2020                         |     |        |
|            |   | Deadline for body changes is January 14th, 2021                            |     |        |
|            |   |  |     |        |
| 10-11-3000 |   | Manuals - two copies   | 1   | MTL    |
|            |   | ***Two copies of manuals on USB are required and a complete parts list as  | per |        |
|            |   | section 12 of the tender.  |     |        |
|            |   |  |     |        |
| 10-11-3600 | S | > Delivery - FOB Fire Department - by CCEV                                 | 1   | MTL    |
|            |   | ENG. NOTE:   |     | _      |
|            |   | Note in the shop note if more than 4 hours of training is required         |     |        |
|            |   |  |     |        |
| 10-11-4000 |   | Payment Terms - Chassis Net 10 days, Balance COD                           | 1   | MTL    |
| 10-20-1400 | S | > Hose capacity exceeding ULC/NFPA requirements                            | 1   | MTL    |
|            |   | ENG. NOTE:   |     |        |
|            |   | Specify the type of hose and quantity of hose to be carried on the vehicle |     |        |
|            |   | 7                                    |     |        |
|            |   | Hose bed to be able to hold the following:                                 |     |        |
|            |   | 800' of 4" hose  |     |        |
|            |   | 300' of 2-1/2" hose  |     |        |
|            |   | 300 of 1-3/4" hose   |     |        |
|            |   | 555 5  |     |        |

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|------------|---|--|------|---|--------|
| PART NO    | S | DESCRIPTION  | QT   | Υ | ID     |
|            |   | ***An additional weight allowance of 400 lbs   |      |   |        |
|            |   |  |      |   |        |
| 10-20-2000 |   | Equipment carrying capacity - standard ULC Pumper                                    |      | 1 | MTL    |
|            |   | CHASSIS INFORMATION  |      | 1 | MTL    |
| 20-11-1000 | S | Chassis Spartan Metro Star LFD with 10" raised roof                                  |      | 1 | MTL    |
|            |   | 47,000 lb ĠVWR 20,000 lb front axle 27,000 lb rear axle                              |      |   |        |
|            |   | 224" wheelbase 156.5" cab to axle 74" rear overhang                                  |      |   |        |
|            |   | Cummins L9 380 hp @ 2200 rpm 2200 governed rpm                                       |      |   |        |
|            |   | 1150 ft-lb torque @ 1200 rpm (changed from 400 hp engine as per the Purcha           | se   |   |        |
|            |   | Order)   |      |   |        |
|            |   | Allison 3000 EVS automatic transmission  |      |   |        |
|            |   | 68 MPH top road speed  |      |   |        |
|            |   | 320 amp alternator   |      |   |        |
|            |   | 1710 series driveline  |      |   |        |
|            |   | Jackshaft for Waterous pump - 116" as determined by engineering                      |      |   |        |
|            |   | 68 US gallon fuel tank   |      |   |        |
|            |   | SKF auxiliary lube system - LH frame mounted   |      |   |        |
|            |   | Zip clean type seats complete with additional seat covers                            |      |   |        |
|            |   | Cab interior color is Multi-tone dark red  |      |   |        |
|            |   | Cab exterior color is single color red - PPG FBCH 71528 - paint sprayout required    | and  |   |        |
|            |   |  | arru |   |        |
|            |   | approved 01.12.2021 by e-mail  |      |   |        |
|            |   | Chassis Includes 120 Volt auto eject in the "LH Cab Side Mid" 5209-021               |      |   |        |
|            |   | 5728-009 rear view camera.   |      |   |        |
|            |   | Changed Do not Move Apparatus light to 5406-124 to have multiple lights              |      |   |        |
|            |   | Tow eyes 2204-002 to match tender  |      |   |        |
|            |   | 5013-012 - Electric over air pump shift control as confirmed by Rod Harris by e-ma   | l on |   |        |
|            |   | 12.01.2020   |      |   |        |
|            |   | Chassis lightbar 5450N-003 has blue pods in position #6 and #13 as requested         | by   |   |        |
|            |   | Rod Harris by e-mail on 12.04.2020   |      |   |        |
|            |   | Front bumper hosewell will be done by Metalfab as discussed with Rod Harris          | by   |   |        |
|            |   | e-mail on 01.21.2020   |      |   |        |
|            |   |  |      |   |        |
| 20-11-1500 |   | 2013 Emission chassis modifications  |      | 1 | MTL    |
| 20-11-1700 | S | Chassis Motor Vehicle Inspection required - by CCEV                                  |      | 1 | MTL    |
| 20-21-0500 |   | Fluid capacity plate   |      | 1 | MTL    |
| 20-21-0600 |   | Pumping test plate   |      | 1 | MTL    |
| 20-21-1030 | S | Maximum riders sign - 5 persons - Included with Spartan Chassis                      |      | 1 | MTL    |
| 20-21-1510 | S | Seat belt warning labels - 4 door chassis - Included with Spartan chassis            |      | 1 | MTL    |
| 20-21-1520 | S | Helmet warning label - do not wear helmet - Included with Spartan chassis            |      | 4 | MTL    |
| 20-21-1560 | S | LED Tire Pressure Indicators - Single Axle - included with Spartan chassis           |      | 1 | MTL    |
|            |   | Shipped loose for end user install   |      |   |        |
|            |   | ••   |      |   |        |
| 20-21-1600 |   | Apparatus Information Label  |      | 1 | MTL    |
|            |   | 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 pl     | ate  |   |        |
|            |   | by the Fire Department"  |      |   |        |
|            |   | -,   |      |   |        |
| 20-21-2500 |   | Shifter lock not required E  |      | 1 | MTL    |
| 20-21-3500 |   | Rear step warning label  |      | 1 | MTL    |
| 20-21-3810 |   | Front mudflaps provided with chassis E   |      | 1 | MTL    |
| 20-21-4000 |   | Rear mudflaps - Metalfab Logo  |      | 1 | MTL    |
| 20-21-45AA | U | Transportation Safety Kit - Included with chassis                                    |      | 1 |        |
|            |   | Includes basic First Aid Kit, Safety Triangle and 2-1/2 lb Fire Extinguisher         |      | , |        |
|            |   |  |      |   |        |
| 20-31-0100 |   | Fuel tank or step covers not required  |      | 1 | MTL    |
| 20-31-0200 | S | Fuel fill label - "Ultra Low Sulfur Diesel Only"                                     |      | 1 | MTL    |
| 20-31-1900 | S | Chassis cab painted single tone by chassis OEM                                       |      | 1 | MTL    |
| 20-31-4700 | S | > Extend front bumper, gravshid by Spartan / hosewell by Metalfab                    |      | 1 | MTL    |
| 20-01-4700 | 3 | ENG. NOTE:   |      | • | / L    |
|            |   | Note location of preconnect elbow  |      |   |        |
|            |   | Note special capacity requirements   |      |   |        |
|            |   | 11010 opoolal oupdoity rogalionionio   |      |   |        |
|            |   |  |      |   |        |

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|------------|---|--|-------|-----|--------|
| PART NO    | S | DESCRIPTION  | QTY   | 1   | ID     |
|            |   | 24" bumper extension and gravel shield by Spartan  |       |     |        |
|            |   | Hosewell to be done by Metalfab to carry 150' of 1.75" hose. Current hose  | vell  |     |        |
|            |   | measures 33.5" long x 16" wide x 11" deep (can be deeper as long as it does  |       |     |        |
|            |   | below the bumper). There will be a raised lip around the compartment to pre  | vont  |     |        |
|            |   |  |       |     |        |
|            |   | water intrusion. The cover will be slightly raised and will have a D-handle  |       |     |        |
|            |   | latch to lock into a slot in the front of the compartment so the hose does no  |       |     |        |
|            |   | cought on a latch block). See pictures in F:/Data/Jacques/Curre  | ≢nt   |     |        |
|            |   | Projects/Georgina/Pictures   |       |     |        |
|            |   | As requested by Rod Harris by e-mail on 01.21.2020   |       |     |        |
|            |   | The connection of the front trashline 30-44-1020 will be at the bottom of the l  | IOSE  |     |        |
|            |   | well.  | .000  |     |        |
|            |   | <del></del>  | - al  |     |        |
|            |   | Chevrons to match M18-20000 (60-33-33AA) were added as requested by R  | oa    |     |        |
|            |   | Harris by e-mail on 12.02.2020   |       |     |        |
|            |   |  |       |     |        |
| 20-31-7505 | S | Stainless glove box holder/dispenser   |       | 2   | MTL    |
|            |   | There will be two (2) glove box holders installed on the side of EMS cabi  | net   |     |        |
|            |   | 20-99-10AA to match M18-20000. As requested by Rod Harris by e-mail  |       |     |        |
|            |   | 01.08.2021   | OH    |     |        |
|            |   | 01.06.2021   |       |     |        |
|            |   |  |       |     |        |
| 20-31-8808 | U | Tablet mounting bracket in cab - Havis Shield APP 112  |       | 1   |        |
|            |   | A tablet mounting bracket will be supplied and installed on the dash in fro  | nt of |     |        |
|            |   | the Officer's seating position. Havis Shield APP112 was approved by Rod Ha   |       |     |        |
|            |   | by e-mail on 12.15.2021  |       |     |        |
|            |   | by 6-111411 611 12.10.2021   |       |     |        |
| 20 44 0000 |   | Auxilians bysking system dischlad when numning   |       |     | MTL    |
| 20-41-0900 |   | Auxiliary braking system disabled when pumping   |       | - 1 |        |
| 20-41-1100 |   | Transmission programming - Allison WT  |       | 1   | MTL    |
| 20-41-1500 |   | Extend exhaust pipe - RS front of rear wheels E  |       | 1   | MTL    |
|            |   | Engineering to specify exhaust pipe material as required by the chas   | sis   |     |        |
|            |   | manufacturer.  |       |     |        |
|            |   | Engineering to sign off on the exhaust configuration to make sure it meets   | the   |     |        |
|            |   | chassis manufacturer's emission specifications.  | uic   |     |        |
|            |   |  |       |     |        |
|            |   | Exhaust will be outboard of the frame rail to allow space for the Waterous Pu  | mp    |     |        |
| 00 11 1000 |   |  |       |     |        |
| 20-41-1900 |   | Battery boost terminals with chassis E   |       | 1   | MTL    |
| 20-41-2000 |   | Chassis batteries remain in OEM location   |       | 1   | MTL    |
| 20-41-2561 | U | Fuel Fill at LS rear fender well with SCBA style door  |       | 1   |        |
| 20-41-2600 |   | Chassis fuel tank remains in OEM location  |       | 1   | MTL    |
| 20-41-5000 |   | Rear Tow Hooks - under body  |       | 1   | MTL    |
| 20-41-3000 |   |  |       | •   | IVIIL  |
|            |   | *** Flat bar tow hooks under rear step (2)   |       |     |        |
|            |   |  |       |     |        |
| 20-51-0700 |   | Master Battery Disconnect included with chassis  |       |     | MTL    |
| 20-51-2500 |   | Back up alarm included with chassis  |       | 1   | MTL    |
| 20-51-3100 | S | Air inlet not required   |       | 1   | MTL    |
|            |   | The air inlet was removed where it was not required as advised by Rod Harris   | by    |     |        |
|            |   | e-mail 12.01.2020  | - y   |     |        |
|            |   | 6-mail 12.01.2020  |       |     |        |
| 20 51 2400 |   | Protection valve installed for air enerated accessories  |       | 1   | MTL    |
| 20-51-3400 |   | Protection valve installed for air operated accessories  |       |     |        |
| 20-51-6200 | S | > 120 volt 20 A shore line connection in chassis cab/body  |       | 3   | MTL    |
|            |   | ENG. NOTE:   |       |     |        |
|            |   | Requires 20-51-75 120 volt auto eject or 20-51-80 120 volt inlet   |       |     |        |
|            |   | ·  |       |     |        |
|            |   | Standard 5-20R duplex receptacle in chassis cab/body, not fused  |       |     |        |
|            |   | To be located minimum 12" from the floor to meet ULC   |       |     |        |
|            |   |  |       |     |        |
|            |   | Mounting locations:  |       |     |        |
|            |   | Receptacle #1: EMS cabinet 20-90-1825 in right rear corner   |       |     |        |
|            |   | Receptacle #2: EMS cabinet 20-99-10AA  |       |     |        |
|            |   | Receptacle #3: R1 compartment 36" from the floor compartment, on back w  | all,  |     |        |
|            |   | towards right hand side of compartment   |       |     |        |
|            |   | As advised by Rod Harris by e-mail on 02.05.2021   |       |     |        |
|            |   | The second of th |       |     |        |
| 20-54-6504 | c | Kusemaul Battony Conditionar I DC 40 w/auto aigst included w/abassis   |       | 1   | MTL    |
| 20-51-6501 | S | Kussmaul Battery Conditioner LPC 40 w/auto eject included w/chassis  |       | 1   |        |
| 20-51-7102 | S | Electric System Manager - VMUX   |       | 1   | MTL    |
| 20-51-8505 | S | Engine compartment light LED - included with chassis   |       | 1   | MTL    |
|            |   | One required to light up the complete engine compartment. Switched when  | cab   |     |        |
|            |   | is raised.   |       |     |        |
|            |   |  |       |     |        |
|            |   |  |       |     |        |

| PART NO S 20-51-9001 S 20-51-9001 S 20-52-3500 S Air horns included w/chassis 1 MTL ENG. NOTE: Freightliner, Sterling, and Spartan only  20-52-4003 U Installation of rearview camera when supplied w/Spartan chassis 1 Chassis wheelbase does not change 1 MTL 20-90-1810 U Extend air tank/moisture ejectors to rubrail and tag 1 SOPT#507  20-90-1825 U EMS cabinet with cargo netting over opening - Spartan chassis 1 A sanded aluminum EMS cabinet approximately 39 inches wide by 17.5 inches tall by 17 inches deep is installed in the chassis cab complete with a top surface used for storage will be installed behind the chassis dog house like a unit from a competitor. M18-20000 was a MFD cab and only had a small shelf due to the of room.  Will have a mesh cover on the compartment opening The cabinet top and floor must be fitted with interlocking tile matting Finish will be buffed aluminum Ref SOPT #1040 Approval drawing to be sent to customer for sign off before construction - approval received by e-mail from Rod Harris on 01.07.2022 See picture and drawing of current truck from a competitor F://Data/Jacques/Current Project/Georgina/Pictures  20-99-10AA U EMS cabinet behind officer seat The medical box will have minimum dimensions of 17" wide x 15" deep (can be bigger to use the space available) and 47" high to match an existing unit. There will be mesh restrain installed to protect the loose equipment stored inside. There will be two adjustable shelves (60-31-9600), interior lights and have buffed finish. To match M18-20000 and a darwing will be submitted for department |
|---|
| 20-52-3500   Chassis steering wheel lined up by Metalfab E   Freightliner, Sterling, and Spartan only   |
| ENG. NOTE: Freightliner, Sterling, and Spartan only  20-52-4003   |
| ENG. NOTE: Freightliner, Sterling, and Spartan only  20-52-4003   |
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| 20-90-1810 U Extend air tank/moisture ejectors to rubrail and tag SOPT#507  20-90-1825 U EMS cabinet with cargo netting over opening - Spartan chassis A sanded aluminum EMS cabinet approximately 39 inches wide by 17.5 inches tall by 17 inches deep is installed in the chassis cab complete with a top surface used for storage will be installed behind the chassis dog house like a unit from a competitor. M18-20000 was a MFD cab and only had a small shelf due to the of room. Will have a mesh cover on the compartment opening The cabinet must have a one (1) inch rim around the top circumference The cabinet top and floor must be fitted with interlocking tile matting Finish will be buffed aluminum Ref SOPT #1040 Approval drawing to be sent to customer for sign off before construction - approval received by e-mail from Rod Harris on 01.07.2022 See picture and drawing of current truck from a competitor in F:/Data/Jacques/Current Project/Georgina/Pictures  20-99-10AA U EMS cabinet behind officer seat The medical box will have minimum dimensions of 17" wide x 15" deep (can be bigger to use the space available) and 47" high to match an existing unit. There will be mesh restrain installed to protect the loose equipment stored inside. There will be two adjustable shelves (60-31-9600), interior lights and have buffed  |
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|   |
| finish. To match M18-20000 and a drawing will be submitted for department   |
|   |
| approval before the build.  |
| Approval drawing to be sent to customer for sign off before construction -  |
| approval received by e-mail from Rod Harris on 01.07.2022  As requested by Rod Harris by e-mail on 01.07.2021.  |
| As requested by Rod Harris by e-mail on 01.07.2021.   |
| PUMP AND PLUMBING 1 MTL   |
| 30-12-4000 Mechanical seals for Waterous pumps 1 MTL  |
| 30-12-6500 Waterous CSU single stage 1500 IGPM 1 MTL  |
| Pump will be rated and tested to 6000 LPM   |
| Short steamers required - see 30-31-4010  |
|   |
| 30-15-0204 Plumbing - Waterous manifold pump SM SS E 1 MTL  |
| 30-20-0500 Valves and controls - side mount panel 1 MTL   |
| All drain valves to be 1/4 turn controls as listed in the tender.   |
| Note: Swing style bleeder controls to match M18-20000 are available at extra  |
| cost  |
|   |
| 30-20-1002 Akron valves specified 1 MTL   |
| 30-20-1600 Piping stainless steel - general 1 MTL   |
| 30-20-1700  |
|   |
| 30-20-2000   Piping hydrostatic test   1   MTL   30-20-2500   Anodes in suction and discharge piping   1   MTL  |
| 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.  |
| Taint hange onter and mack place alload poloto painting for violatity.  |
| 30-21-5560 Tank to Pump SS 3" w/ check valve manifold pump 1 MTL  |
| 30-22-1520 Tank Fill valve 2-1/2" SS 1 MTL  |
| 30-31-4010 S Suction - 6" not gated each side manifold pump 1 MTL   |
| To have the shorter style inlets that protrude less than two (2) inches (50mm)  |
| away from the side panels, allowing an external valve to be connected and not   |
| protrude past the apparatus body sides.   |
| Customer advised make and model of external valves that will be installed and   |

| 05/24/2022          |   |  | 0=)   | , | Page 5 |
|---------------------|---|--|-------|---|--------|
| PART NO             | S | DESCRIPTION  | QTY   | Y | ID     |
|                     |   | the pump panel rollup doors must be able to close when installed:  Left side   |       |   |        |
|                     |   | Make: Task Force Tip   |       |   |        |
|                     |   | Model: AP8NX-NX-PS   |       |   |        |
|                     |   | Right side   |       |   |        |
|                     |   | Make: Task Force Tip   |       |   |        |
|                     |   | Model: AXD1SP-NX-T   | ĺ     |   |        |
|                     |   | As advised by Rod Harris by e-mail on 01.08.2021 and pictures saved  | at    |   |        |
|                     |   | F:/Data/Jacques/Current Projects/Georgina/Pictures.  |       |   |        |
|                     |   |  |       |   |        |
| 30-32-7535          |   | Suction - 2-1/2" left side SS, bleeder, Waterous manifold pump   |       |   | MTL    |
| 30-32-8035          | _ | Suction - 2-1/2" right side SS, bleeder, Waterous manifold pump  |       |   | MTL    |
| 30-40-2025          | S | 4" right discharge SS, plumbed 3", Waterous manifold pump, bleeder,  |       | 1 | MTL    |
| 30-40-25AA          | U | slo-close<br>4" Rear discharge, 3" valve, 4" SS piping, 4" Storz   |       | 1 |        |
| 30-40-23AA          | U | connection,bleeder,slo-close   |       | 1 |        |
|                     |   | Connection at rear located right side under ladder tube  | ĺ     |   |        |
|                     |   | SOPT#305   |       |   |        |
|                     |   | The piping will run through the water tank and will require a blister in the   | rear  |   |        |
|                     |   | compartment to create space for the fitting(s).  |       |   |        |
| 30-41-2025          |   | 2-1/2" RS discharge SS, bleeder, Waterous manifold pump  |       | 1 | MTL    |
| 30-41-2525          |   | 2-1/2" LS discharge SS, bleeder, Waterous manifold pump  |       |   | MTL    |
| 30-43-1520          | S | 2-1/2" rear discharge SS, plumbed 2-1/2", bleeder  |       | 1 | MTL    |
|                     |   | *** Right side near the hi-vol discharge 30-40-25AA as requested by Rod Ha   | ris   |   |        |
|                     |   | by e-mail on 01.08.2021  |       |   |        |
|                     | _ |  |       | _ |        |
| 30-44-0720          | S | 1-1/2" speedlay (each) front of pumphouse SS, plumbed 2"   |       | 2 | MTL    |
|                     |   | Capacity in each lay to be minimum 200' x 1-3/4" hose and nozzle   |       |   |        |
|                     |   | Customer advised that single stack design above the 2.5" speedlay to ma M18-20000 is preferred. As confirmed by Rod Harris by e-mail on 01.08.2021 | ten   |   |        |
|                     | _ |  |       |   |        |
| 30-44-1020          | S | > 1-1/2" front trash line SS, plumbed 2", hosewell   |       | 1 | MTL    |
|                     |   | ENG. NOTE:   |       |   |        |
|                     |   | Requires extended front bumper, gravelshield   |       |   |        |
|                     |   | Capacity in hose lay to be minimum 150' x 1-3/4" hose and nozzle as advised  | l hv  |   |        |
|                     |   | Rod Harris by e-mail on 01.08.2021.  | . ~ y |   |        |
|                     |   | Metalfab will build the hose well as requested by Rod Harris by e-mail   | on    |   |        |
|                     |   | 01.21.2021   |       |   |        |
|                     |   | The swivel connection will terminate inside the front bumper compartment h   | ose   |   |        |
|                     |   | well.  |       |   |        |
|                     |   |  |       |   |        |
| 30-44-3520          | S | 2-1/2" speedlay SS, plumbed 2-1/2", bleeder  |       | 1 | MTL    |
|                     |   | Capacity in hose lay to be minimum 200' x 2-1/2" hose and nozzle   |       |   |        |
| 20 44 6500          |   | Dining for monitor CC mlumbed 21 bloods  |       |   | NAT!   |
| 30-44-6520          | S | Piping for monitor SS, plumbed 3", bleeder  Monitor piping will be terminate with 3" male NPT and will have a Meta                                 |       | 7 | MTL    |
|                     |   | supplied TFT Hurricane RC Monitor installed (80-99-25AA)   | IIab  |   |        |
|                     |   | Customer advised that the preferred location of the monitor pipe will be toward  | rds   |   |        |
|                     |   | the right side. As advised by Rod Harris by e-mail on 01.08.2021   | 1145  |   |        |
|                     |   | the right class to action by the right by a man on a need-   |       |   |        |
| 30-51-0500          | S | Pump shift-Midship air   | ĺ     | 1 | MTL    |
|                     |   | Electric over air pump shift in cab included with the Spartan chassis (C   | ode   |   |        |
|                     |   | 5013-012)  |       |   |        |
|                     |   | ***Includes "Pump Engaged" and "OK to Pump" indicator lights in cab  |       |   |        |
|                     |   | ***Includes "Throttle Ready" indicator light on Pump operating panel   |       |   |        |
|                     |   | Customer advised that the electric pump shift listed in item #88 of the chase  |       |   |        |
|                     |   | spec (which matches what was supplied on M18-20000) is the prefered mo   | ael.  |   |        |
|                     |   | As advised by Rod Harris by e-mail on 12.01.2020   |       |   |        |
| 30-51-0600          | S | Manual over ride for pump shift on LS pump panel by Metalfab   |       | 1 | MTL    |
| 30-31 <b>-</b> 0000 | 3 | Manual overide on the pump panel as requested in item #76 of the body tel  |       | 1 | WIL    |
|                     |   | and approved by Rod Harris on 01.21.2021 by e-mail.  |       |   |        |
|                     |   | , , ,  |       |   |        |
|                     |   |  |       |   |        |
|                     |   |  |       |   |        |

| 30-51-6400   Class One "TPG Plus" Governor/Throttle  | 05/24/2022        |   |  |          | Page 6  |
|--|-------------------|---|--|----------|---------|
| 30-51-7000   Suction side relief VV, manifold pump   1   M/TL  | PART NO           | S | DESCRIPTION  | QTY      | ID      |
| 30-51-7000   Suction side relief VIV, manifold pump   1   MTL  | 30-51-6640        |   |  | 1        | MTL     |
| 30-51-7720   S   Additional air tank for air primer system - with chassis   An additional air tank is provided to improve air primer capacity and is included with the chassis   An additional air tank for air primer system - with chassis   MTL   MTL   30-51-8500   Heat exchanger included with chassis   Pump cooler with control valve, check valve   1   MTL   |                   |   | To be programmed in PSI unless otherwise specified                             |          |         |
| 30-51-7720   S   Additional air tank for air primer system - with chassis   An additional air tank is provided to improve air primer capacity and is included with the chassis   An additional air tank for air primer system - with chassis   MTL   MTL   30-51-8500   Heat exchanger included with chassis   Pump cooler with control valve, check valve   1   MTL   |                   |   |  |          |         |
| MTL  | 30-51-7000        |   | Suction side relief V/V, manifold pump   | 1        | MTL     |
| An additional air tank is provided to improve air primer capacity and is included with the chassis.  30-51-8100  | 30-51-7711        |   | Trident Air Primer 3 barrel 1 location   | 1        | MTL     |
| An additional air tank is provided to improve air primer capacity and is included with the chassis.  30-51-8100  | 30-51-7720        | S | Additional air tank for air primer system - with chassis                       | 1        | MTL     |
| with the chassis.  30-51-8100  |                   |   |  | ded      |         |
| 30-51-90AA   |                   |   |  |          |         |
| 30-51-90AA   |                   |   |  |          |         |
| 30-51-90AA   | 30-51-8100        |   | Heat exchanger included with chassis   | 1        | MTL     |
| 30-51-90AA   |                   |   |  | 1        |         |
| Indicator light/test button located on left side pump operators panel SOPT#844 Will be ordered with the pump and will discharge below the pump when activated  30-52-1000  Master drain V/V, 12 port 30-52-2000 Drain valve for foam system header Foam system-Hypro FoamPro 2001 Single Tank Foam system is plumbed to both 1-1/2" speedlays, the 2-1/2" speedlay and the front bumper 1-1/2" discharge.  30-52-8100  Electric foam fill pump with panel pickup Pump will be used to refill the foam cell 40-12-5000. The suction hose will be stored inside the pump house and will be accessible through the right side pump access door 70-11-5500  Foam concentrate label at foam tank fill 50-52-9100 So-52-9400 Foam concentrate label at foam tank fill Foam System instruction Plates NFPA Foam System certification test WATER AND FOAM TANKS MTL 40-11-2100 Water tank capacity certification (tank manufacturer) Water tank capacity certification (tank manufacturer) MTL Tank capacity 800 Imperial Gallions There may be blisters in the L2/R2 compartments to compensate for the ladder storage inside the tank. As approved by Rod Harris by e-mail on 01.08.2021  Foam cell - 30 Imperial gallion Through the tank tunnel - for ladder storage 60-40-9000 The ladder tube 60-40-9000 will be stored in the water tank as requested by Rod Harris by e-mail on 01.08.2021  ### The ladder tube 60-40-9000 will be stored in the water tank as requested by Rod Harris by e-mail on 01.08.2021  #### WITL ##### WITL #### WITL #### WITL #### WITL #### WITL #### WITL #### WITL ##### WITL ###### WITL ###### WITL ########### WITL ####################################                             |                   | U |  | 1        |         |
| SOPT#844   Will be ordered with the pump and will discharge below the pump when activated   Will be ordered with the pump and will discharge below the pump when activated   30-52-1000   Master drain V/V, 12 port   Drain valve for foam system header   1 MTL   Foam system is plumbed to both 1-1/2" speedlays, the 2-1/2" speedlay and the front bumper 1-1/2" discharge.   1 MTL   MTL   Foam system is plumbed to both 1-1/2" speedlays, the 2-1/2" speedlay and the front bumper 1-1/2" discharge.   1 MTL   M |                   |   | Indicator light/test button located on left side nump operators panel          | <u> </u> |         |
| Will be ordered with the pump and will discharge below the pump when activated   30-52-1000  |                   |   | SOPT#844   |          |         |
| 30-52-1000   |                   |   |  | ated     |         |
| 30-52-2000   |                   |   | will be ordered with the pullip and will discharge below the pullip when activ | ateu     |         |
| 30-52-2000   | 30-52-1000        |   | Master drain V/V 12 port   | 1        | МТІ     |
| 30-52-5510   Foam system-Hypro FoamPro 2001 Single Tank Foam system is plumbed to both 1-1/2" speedlays, the 2-1/2" speedlay and front bumper 1-1/2" discharge.    30-52-8100   Electric foam fill pump with panel pickup Pump will be used to refill the foam cell 40-12-5000. The suction hose will be stored inside the pump house and will be accessible through the right side pump access door 70-11-5500   Foam concentrate label at foam tank fill   |                   |   |  | -        |         |
| Source   Foam system is plumbed to both 1-1/2" speedlays, the 2-1/2" speedlay and the front bumper 1-1/2" discharge.   30-52-8100  |                   |   | From System Hypro From Pro 2001 Single Tonk                                    | •        |         |
| So-52-8100   | 30-32-3310        |   | Form system is numbed to both 1.1/2" encoding the 2.1/2" encoding and          |          | IVIIL   |
| 30-52-8100   Electric foam fill pump with panel pickup   Pump will be used to refill the foam cell 40-12-5000. The suction hose will be stored inside the pump house and will be accessible through the right side pump access door 70-11-5500   Foam concentrate label at foam tank fill   MTL 30-52-9200   Foam System Instruction Plates   1 MTL 30-52-9400   NFPA Foam System certification test   1 MTL 40-11-2100   Water tank capacity certification test   1 MTL 40-11-2200   Water tank capacity certification (tank manufacturer)   1 MTL 40-11-4500   S Tank capacity certification (tank manufacturer)   1 MTL 50-11-200   Water tank capacity certification (tank manufacturer)   1 MTL 50-11-200   Tank capacity 800 Imperial Gallons   1 MTL 50-11-200   There may be blisters in the L2/R2 compartments to compensate for the ladder storage inside the tank. As approved by Rod Harris by e-mail on 01.08.2021   MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   S 7- Through the tank tunnel - for ladder storage 60-40-9000   1 MTL 50-11-0100   |                   |   |  | tile     |         |
| Pump will be used to refull the foam cell 40-12-5000. The suction hose will be stored inside the pump house and will be accessible through the right side pump access door 70-11-5500  |                   |   | iront bumper 1-1/2 discharge.  |          |         |
| Pump will be used to refull the foam cell 40-12-5000. The suction hose will be stored inside the pump house and will be accessible through the right side pump access door 70-11-5500  | 00 50 0400        |   | Floration for the fill manufacture with manufacture                            |          | NAT!    |
| Stored inside the pump house and will be accessible through the right side pump access door 70-11-5500   30-52-9100   Foam concentrate label at foam tank fill   1   MTL   30-52-9200   Foam System Instruction Plates   1   MTL   30-52-9400   NFPA Foam System certification test   MTL   WATER AND FOAM TANKS   1   MTL   40-11-2100   Polypropylene water tank (Imperial gallons)   1   MTL   40-11-2200   Water tank capacity certification (tank manufacturer)   1   MTL   40-11-4500   S   Tank capacity 800 Imperial Gallons   There may be blisters in the L2/R2 compartments to compensate for the ladder storage inside the tank. As approved by Rod Harris by e-mail on 01.08.2021   MTL   MTL   S   Through the tank tunnel - for ladder storage 60-40-9000   1   MTL   ENG. NOTE:   Charge 60 per cubic foot of tunnel volume   The ladder tube 60-40-9000 will be stored in the water tank as requested by Rod Harris by e-mail on 01.08.2021   MTL   40-23-0500   S   3/4" water level gauge connection   1   MTL   40-23-1000   S   3/4" water level gauge connection   1   MTL   40-23-1000   S   3/4" water level gauge connection   1   MTL   3" plug in sump box   1   MTL   3" plug in sump box   1   MTL   The drain will be a plug as requested in item #262 of the body tender   Note: A 3" valve to match M18-20000 is available at extra cost   MTL   40-31-6050   Rear fill not requested E   1   MTL   MTL   ELECTRICAL   1   MTL   ELECTRICAL   1 | 30-52-8100        |   | Electric toam fili pump with panel pickup                                      |          | WIL     |
| 30-52-9100   |                   |   |  |          |         |
| 30-52-9100   |                   |   |  | ump      |         |
| 30-52-9400   Foam System Instruction Plates   MFPA Foam System certification test   WATER AND FOAM TANKS   1 MTL   |                   |   | access door 70-11-5500   |          |         |
| 30-52-9400   Foam System Instruction Plates   MFPA Foam System certification test   WATER AND FOAM TANKS   1 MTL   |                   |   |  |          |         |
| 30-52-9400   NFPA Foam System certification test   WATER AND FOAM TANKS   1 MTL  |                   |   |  | 1        |         |
| WATER AND FOAM TANKS   |                   |   |  | 1        |         |
| 40-11-2100   | 30-52-9400        |   |  | 1        |         |
| 40-11-2200   |                   |   |  | 1        |         |
| 40-11-4500   S   Tank capacity 800 Imperial Gallons   There may be blisters in the L2/R2 compartments to compensate for the ladder storage inside the tank. As approved by Rod Harris by e-mail on 01.08.2021  |                   |   |  | 1        | MTL     |
| There may be blisters in the L2/R2 compartments to compensate for the ladder storage inside the tank. As approved by Rod Harris by e-mail on 01.08.2021  40-12-5000 40-13-0100 S Foam cell - 30 Imperial gallon Through the tank tunnel - for ladder storage 60-40-9000 ENG. NOTE: Charge 60 per cubic foot of tunnel volume The ladder tube 60-40-9000 will be stored in the water tank as requested by Rod Harris by e-mail on 01.08.2021  40-21-0500 40-22-1000 S 2-1/2" tank fill connection 1 MTL 40-23-0500 S 3/4" water level gauge connection 1 MTL 40-30-0400 S 3/4" foam level gauge connection 1 MTL 40-30-0400 S 3/4" foam level gauge connection 1 MTL The drain will be a plug as requested in item #262 of the body tender Note: A 3" valve to match M18-20000 is available at extra cost  40-30-1000 40-31-0400 Rear dump valve not requested E Rear fill not requested E ELECTRICAL  Base electrical system - Spartan multiplex Electrical components on the body will have extra wiring behind to allow space  | 40-11-2200        |   |  | 1        |         |
| A0-12-5000   | 40-11-4500        | S | Tank capacity 800 Imperial Gallons   | 1        | MTL     |
| A0-12-5000   |                   |   | There may be blisters in the L2/R2 compartments to compensate for the lad      | der      |         |
| 40-12-5000   |                   |   | storage inside the tank. As approved by Rod Harris by e-mail on 01.08.2021     |          |         |
| 40-13-0100   S   > Through the tank tunnel - for ladder storage 60-40-9000   |                   |   | ,  |          |         |
| 40-13-0100   S   > Through the tank tunnel - for ladder storage 60-40-9000   | 40-12-5000        |   | Foam cell - 30 Imperial gallon   | 1        | MTL     |
| ENG. NOTE: Charge 60 per cubic foot of tunnel volume  The ladder tube 60-40-9000 will be stored in the water tank as requested by Rod Harris by e-mail on 01.08.2021  40-21-0500 3" tank to pump connection 1 MTL 40-22-1000 S 2-1/2" tank fill connection 1 MTL 40-23-0500 S 3/4" water level gauge connection 1 MTL 40-23-1000 S 3/4" foam level gauge connection 1 MTL 40-30-0400 3" plug in sump box 1 MTL The drain will be a plug as requested in item #262 of the body tender Note: A 3" valve to match M18-20000 is available at extra cost  40-30-1000 Water Fill Box front left corner 1 MTL Rear dump valve not requested E 1 MTL 40-31-6050 Rear fill not requested E 1 MTL 8ase electrical system - Spartan multiplex ELECTRICAL 1 MTL MTL Electrical components on the body will have extra wiring behind to allow space   | 40-13-0100        | S |  | 1        | MTL     |
| The ladder tube 60-40-9000 will be stored in the water tank as requested by Rod Harris by e-mail on 01.08.2021  40-21-0500   |                   |   |  |          |         |
| The ladder tube 60-40-9000 will be stored in the water tank as requested by Rod Harris by e-mail on 01.08.2021  40-21-0500   |                   |   | Charge 60 per cubic foot of tunnel volume                                      |          |         |
| Harris by e-mail on 01.08.2021   |                   |   | 5 - 5 - 1  |          |         |
| Harris by e-mail on 01.08.2021   |                   |   | The ladder tube 60-40-9000 will be stored in the water tank as requested by R  | od       |         |
| 40-21-0500   |                   |   |  |          |         |
| 40-22-1000 S 3/4" water level gauge connection 1 40-23-0500 S 3/4" water level gauge connection 1 40-23-1000 S 3/4" foam level gauge connection 1 40-30-0400 The drain will be a plug as requested in item #262 of the body tender Note: A 3" valve to match M18-20000 is available at extra cost 1 40-30-1000 Water Fill Box front left corner 1 40-31-0400 Rear dump valve not requested E 1 40-31-6050 Rear fill not requested E 1 50-11-0400 Base electrical system - Spartan multiplex 1 ELECTRICAL 1 MTL  |                   |   | Hamo by a main on a mooned.  |          |         |
| 40-22-1000 S 3/4" water level gauge connection 1 40-23-0500 S 3/4" water level gauge connection 1 40-23-1000 S 3/4" foam level gauge connection 1 40-30-0400 The drain will be a plug as requested in item #262 of the body tender Note: A 3" valve to match M18-20000 is available at extra cost 1 40-30-1000 Water Fill Box front left corner 1 40-31-0400 Rear dump valve not requested E 1 40-31-6050 Rear fill not requested E 1 50-11-0400 Base electrical system - Spartan multiplex 1 ELECTRICAL 1 MTL  | 40-21-0500        |   | 3" tank to pump connection   | 1        | MTI     |
| 40-23-0500 S 3/4" water level gauge connection 1 40-23-1000 S 3/4" foam level gauge connection 1 40-30-0400 Will be a plug as requested in item #262 of the body tender 1 40-30-1000 Water Fill Box front left corner 1 40-31-0400 Rear dump valve not requested E 1 40-31-0400 Rear fill not requested E 1 40-31-0400 Base electrical system - Spartan multiplex 1 50-11-0400 Base electrical system - Spartan multiplex 1 Electrical components on the body will have extra wiring behind to allow space   |                   | S |  | -        |         |
| 40-23-1000 S 3/4" foam level gauge connection 40-30-0400 S 7 plug in sump box The drain will be a plug as requested in item #262 of the body tender Note: A 3" valve to match M18-20000 is available at extra cost  40-30-1000 Water Fill Box front left corner 40-31-0400 Rear dump valve not requested E 40-31-6050 Rear fill not requested E 50-11-0400 Base electrical system - Spartan multiplex ELECTRICAL 50-11-0400 Base electrical components on the body will have extra wiring behind to allow space  |                   |   |  |          |         |
| 40-30-0400  3" plug in sump box The drain will be a plug as requested in item #262 of the body tender Note: A 3" valve to match M18-20000 is available at extra cost  40-30-1000 Water Fill Box front left corner 40-31-0400 Rear dump valve not requested E 40-31-6050 Rear fill not requested E  ELECTRICAL  50-11-0400 Base electrical system - Spartan multiplex Electrical components on the body will have extra wiring behind to allow space  |                   |   |  | 1        |         |
| The drain will be a plug as requested in item #262 of the body tender Note: A 3" valve to match M18-20000 is available at extra cost  40-30-1000 Water Fill Box front left corner 40-31-0400 Rear dump valve not requested E 40-31-6050 Rear fill not requested E  ELECTRICAL 50-11-0400 Base electrical system - Spartan multiplex Electrical components on the body will have extra wiring behind to allow space   |                   |   |  | 1        |         |
| Note: A 3" valve to match M18-20000 is available at extra cost  40-30-1000 Water Fill Box front left corner 1 MTL 40-31-0400 Rear dump valve not requested E 1 MTL 40-31-6050 Rear fill not requested E 1 MTL  ELECTRICAL 1 MTL 50-11-0400 Base electrical system - Spartan multiplex 1 Electrical components on the body will have extra wiring behind to allow space   | 40-30-0400        |   | The drain will be a plug as requested in item #262 of the body tender          |          | WIL     |
| 40-30-1000         Water Fill Box front left corner         1         MTL           40-31-0400         Rear dump valve not requested E         1         MTL           40-31-6050         Rear fill not requested E         1         MTL           ELECTRICAL         1         MTL           50-11-0400         Base electrical system - Spartan multiplex         1         MTL           Electrical components on the body will have extra wiring behind to allow space  |                   |   | Note: A 2" value to match M19 20000 is available at overs occi                 |          |         |
| 40-31-0400 Rear dump valve not requested E 40-31-6050 Rear fill not requested E  ELECTRICAL 50-11-0400 Base electrical system - Spartan multiplex Electrical components on the body will have extra wiring behind to allow space   |                   |   | Note. A 5 valve to match wito-20000 is available at extra cost                 |          |         |
| 40-31-0400 Rear dump valve not requested E 40-31-6050 Rear fill not requested E  ELECTRICAL 50-11-0400 Base electrical system - Spartan multiplex Electrical components on the body will have extra wiring behind to allow space   | 40-30 4000        |   | Water Fill Boy front left corner   | 1        | MTI     |
| 40-31-6050 Rear fill not requested E   |                   |   |  | -        |         |
| ELECTRICAL  50-11-0400  Base electrical system - Spartan multiplex Electrical components on the body will have extra wiring behind to allow space  |                   |   |  | -        |         |
| 50-11-0400 Base electrical system - Spartan multiplex Electrical components on the body will have extra wiring behind to allow space   | 40-31-0050        |   | •  |          |         |
| Electrical components on the body will have extra wiring behind to allow space   | E0 44 0400        |   |  |          |         |
|  | <b>50-11-0400</b> |   | Dase electrical system - Spartan multiplex                                     |          | IVI I L |
| wnen removing an accessory. As requested in item #291 of the body tender.  |                   |   |  | ace      |         |
| l I  |                   |   | when removing an accessory. As requested in item #291 of the body tender.      |          |         |
| To 44 0000   111   1 1 1 1 0 1 1 1 1 1 1 1 1   | <b>#0</b> 44 0555 |   |  | _        |         |
| 50-11-0600 Warning Light Certification 1 MTL   |                   |   |  | -        |         |
| 50-11-0700 Low Voltage Electrical system test 1 MTL  |                   |   |  |          |         |
| 50-11-0800 Low Voltage Electrical System Documents 1 MTL   | 50-11-0800        |   |  | 1        | MTL     |
| As required by ULC and NFPA standards  |                   |   | As required by ULC and NFPA standards  |          |         |
|  |                   |   |  |          |         |

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|----------------|---|--|------|---------------|
| PART NO        | S | DESCRIPTION  | QTY  | ID            |
| 50-11-1400     | S | Siren and speaker included w/Spartan chassis   | 1    | MTL           |
| 50-11-2600     |   | Siren to be accessible to driver and officer   | 1    | MTL           |
| 50-11-5990     | U | Whelen light bar included with chassis   | 1    |               |
|                |   | Whelen F4N72 light bar - includes 6 red lights, 2 white lights, 2 blue lights  | ahts |               |
|                |   | (position 6 and 13) and an Opticom (795H)  |      |               |
|                |   | Customer approved WECAD on Change Order A.   |      |               |
|                |   | 3. C.  |      |               |
| 50-11-6610     | S | Rear LED Traffic Advisor warning lights - flush mount  | 1    | MTL           |
|                | _ | The traffic advisor will be a TAM83 in order to be recessed into the body  |      |               |
|                |   | approved by Rod Harris by e-mail on 06.28.2021   |      |               |
|                |   | approvou by troutium by a main on consoling.   |      |               |
| 50-12-8521     | S | Front flashers, intersection lights included with chassis, Tecniq K60  | 1    | MTL           |
| 50-12-8686     | Ŭ | Rear LED flashers (pr) - Tecniq red K90 - Upper  | 1    | ,,,, <u>_</u> |
| 50-12-8821     | Ŭ | Body side inter Its (pr) - Tecniq red K90 - Upper  | 2    |               |
| 50-12-8896     | Ŭ | Body side inter its (pr) - Techiq red K60 - Lower  | 1    |               |
| 50-21-5100     | U | > Compartment lighting - LED tube lights in each compartment (rollup doors)  | 1    | MTL           |
| 30-21-3100     |   | ENG. NOTE:   | ı    | IVIIL         |
|                |   |  |      |               |
|                |   | Rollup doors only  |      |               |
| 50.04.5500     | _ | David State Control of the Control o | _    |               |
| 50-21-5500     | S | Door Ajar warning light - with chassis   | 7    | MTL           |
|                |   | With chassis   |      |               |
|                |   | Bilingual warning label in cab to read:  |      |               |
|                |   | "Do Not Move Apparatus when Light is on"   |      |               |
|                |   | Includes hose bed covers (60-33-5000) and coffin compartment do  | ors  |               |
|                |   | (60-91-0900)   |      |               |
|                |   |  |      |               |
| 50-21-5550     | S | Equipment not stowed warning light - with chassis  |      | MTL           |
|                |   | To be wired to warn when the light tower and/or the rear access ladder is  | not  |               |
|                |   | stowed.  |      |               |
|                |   | With chassis   |      |               |
|                |   | Bilingual warning label in cab to read:  |      |               |
|                |   | "Do Not Move Apparatus when Light is on"   |      |               |
|                |   | For Zico Access ladder (60-31-5000) and Light tower (50-31-60AA)   |      |               |
|                |   | . 0. =100 / 100000 122201 (00 01 0000) 2112 =19111101101 (00 01 00/21)   |      |               |
| 50-21-82AA     | U | Step lights for chassis steps - LED - w/chassis  | 1    |               |
| 00 27 027 17 1 |   | Switched with park brake   | •    |               |
|                |   | Owneried with park brake   |      |               |
| 50-21-83AA     | U | 20" LED lumabar for rear access ladder   | 1    |               |
| 30-21-03AA     | U | Switched with park brake.  | •    |               |
|                |   | Switched with park brake.  |      |               |
| 50-21-83BB     | U | 12" LED lumabar for rear intermediate step   | 1    |               |
| 30-21-03DD     | U |  | •    |               |
|                |   | Switched with park brake.  |      |               |
| FO 04 0000     |   | LED also are the sand well set are   |      | NATI          |
| 50-21-8600     |   | LED clearance its and reflectors   | 1    | MTL           |
| 50-21-8605     | U | Polished aluminum license plated holder w/LED lighting   | 1    |               |
| 50-21-8800     |   | LED intermediate turn signal/clearance/reflector length >30'   | 1    | MTL           |
| 50-22-0760     | U | Tecniq K60 LED tail light assembly (pr)  | 1    |               |
|                |   | Includes flasher in the quad design  |      |               |
|                |   | Requires additional Tecniq turn and brake module for Zico Access ladder  |      |               |
|                |   | Metalfab part # 1571121 and # 1571122  |      |               |
|                |   |  |      |               |
| 50-31-6049     | U | Tecniq K90-SW00-1 LED Scene Lights (pr) - Right side   | 1    |               |
|                |   | Located in upper front and rear corners of body sides.   |      |               |
|                |   | One (1) additional light mounted on chassis cab is ordered with the chassis  |      |               |
|                |   | Switched in cab  |      |               |
|                |   | These lights can be managed to shed  |      |               |
|                |   |  |      |               |
| 50-31-6050     | U | Tecniq K90-SW00-1 LED Scene Lights (pr) - Left side  | 1    |               |
| 30-01-0000     | J | Located in upper front and rear corners of body sides.   |      |               |
|                |   | One (1) additional light mounted on the chassis cab is ordered with the chass  | ie   |               |
|                |   | Switched in cab  | 013  |               |
|                |   |  |      |               |
|                |   | These lights can be managed to shed  |      |               |
| E0 04 00E4     |   | Tamin KOO DIMOO 4 LED Over a Links (a) Barrier   |      |               |
| 50-31-6051     | U | Tecniq K90-SW00-1 LED Scene Lights (pr) - Rear facing  | 1    |               |
|                |   | Located in the upper corners rear of body below the flashing lights.   |      |               |
|                |   | Switched in cab  |      |               |

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|---------------------------------|---|---|-------|---|-------------------|
| PART NO                         | S | DESCRIPTION   | QTY   | Y | ID                |
|                                 |   | These lights cannot be managed to shed  |       |   |                   |
| 50-31-60AA                      | U | Command Light KL415D-FX - 4 Spectra MAX LED heads, 12 Volt DC   |       | 1 |                   |
|                                 |   | Located in open area top of pump house.  Control will be umbilical type and located on the left side wall of the compartment. As approved by Rod Harris by e-mail on 01.06.2022 | L1    |   |                   |
|                                 |   | Light tower does not include back lighting SOPT#1223 - truck specific   |       |   |                   |
|                                 | _ |   |       |   |                   |
| 50-31-6505                      | S | Ground lighting included with chassis Switched with park brake, respective cab door and Vista (5386-004) to mat M18-20000   | ch    | 1 | MTL               |
| 50-31-658A                      | U | Ground lighting (20" LED Lumabar) - side mount body Switched with park brake.   |       | 1 |                   |
| 50-99-10AA                      | U | Hose bed cover lights - 40" lumabars  |       | 1 |                   |
|                                 |   | Switched with park brake.   |       |   |                   |
| 50-99-25AA                      | U | LED lights in walkway There will be LED lights installed in the walkway (60-32-3580) which will be active   | tod   | 1 |                   |
|                                 |   | with the park brake. As requested by Rod Harris by e-mail on 01.08.2021   | rieu  |   |                   |
| 51-31-4500                      |   | Dielectric strength test for line voltage system BODY   |       | 1 | <i>MTL</i><br>MTL |
| 60-10-1400                      | S | Single axle extruded aluminum body - full width hose bed  |       | 1 | MTL               |
|                                 |   | The body will have a full width hose bed as requested by Rod Harris by e-ma 01.08.2021  | il on |   |                   |
| 60-10-15SS                      | U | 1" drop on lower edge of compartment floor - sweep out type There will be 1" drop at the compartment floor edge to create a sweep out s   | tvle  | 1 |                   |
|                                 |   | compartment and as requested in item #363 of the body tender.<br>SOPT 1236  |       |   |                   |
| 60-10-4100                      |   | No "beavertail" rear step supports  |       | 1 | MTL               |
| 60-10-4600<br><b>60-10-4770</b> | S | Painted fender surround E   |       | 1 | MTL<br>MTL        |
| 60-10-4770                      | 3 | Removable stainless steel fender trim - single axle  The rear fender trim will be stainless steel to match the chassis as approved by I  Harris by e-mail on 06.28.2021         | Rod   | , | IVIIL             |
| 60-10-5400                      |   | > Diamondback pumphouse steps   |       | 1 | MTL               |
|                                 |   | ENG. NOTE:  Maximum height of step is 24" from ground   |       |   |                   |
| 60-10-5430                      | s | > Diamondback 16" rear step   |       | 1 | MTL               |
|                                 |   | ENG. NOTE:  |       | ĺ |                   |
|                                 |   | Maximum height of rear step is 24" from ground  |       |   |                   |
| 60-10-6500<br>60-11-0300        | S | Bolt on extruded aluminum rub rail w/red and white reflective > Front left side compartments full height E  |       | 1 | MTL<br>MTL        |
|                                 |   | ENG. NOTE: Specify critical dimensions in shop note   |       |   |                   |
| 60-11-0700                      |   | > Front right side compartments full height E   |       | 1 | MTL               |
|                                 |   | ENG. NOTE: Specify critical dimensions in shop note   |       |   |                   |
| 60-11-1000                      |   | > Rear left side compartments full height E   |       | 1 | MTL               |
|                                 |   | ENG. NOTE: Specify critical dimensions in shop note   |       |   |                   |
| 60 44 4400                      |   |   |       | _ | MTI               |
| 60-11-1400                      |   | > Rear right side compartments full height E ENG. NOTE:   |       | 1 | MTL               |
|                                 |   | Specify critical dimensions in shop note  |       |   |                   |
|                                 |   |   |       |   |                   |

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|-------------|---|--|------------|---|--------|
| PART NO     | S | DESCRIPTION  | QT'        |   | ID     |
| 60-11-2000  |   | > High side compartment (over 18") each  |            | 2 | MTL    |
|             |   | ENG. NOTE:   |            |   |        |
|             |   | Specify critical dimensions in shop note Specify type of door  |            |   |        |
|             |   | Specify flip up or drop down   |            |   |        |
|             |   | Specify which side of body   |            |   |        |
|             |   | opening million on a configuration of the configura | ł          |   |        |
| 60-11-3200  | S | > Full Height Rear compartment   |            | 1 | MTL    |
|             |   | ENG. NOTE:   | 1          |   |        |
|             |   | Specify critical dimensions in shop note   |            |   |        |
|             |   | The comment will be about a thou the evicinal present where the local  | a  a ::    |   |        |
|             |   | The compartment will be shorter than the original proposal where the lactube 60-40-9000 will be above as requested by Rod Harris by e-mail   | iaer<br>on |   |        |
|             |   | 01.08.2021   | 011        |   |        |
|             |   | 0110012021   |            |   |        |
| 60-11-5500  |   | Rollup door - standard height  |            | 2 | MTL    |
|             |   | Natural aluminum finish  |            |   |        |
|             |   | Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pir  | ıch        |   |        |
|             |   | point  |            |   |        |
| 60 11 FE20  |   | Pollun door full height  |            | 5 | MTI    |
| 60-11-5520  |   | Rollup door - full height Natural aluminum finish  |            | J | MTL    |
|             |   | Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pir  | ıch        |   |        |
|             |   | point  |            |   |        |
|             |   |  |            |   |        |
| 60-11-5530  |   | Rollup door - to enclose pump panel  |            | 2 | MTL    |
|             |   | Natural aluminum finish  |            |   |        |
|             |   | Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pir  | ich        |   |        |
|             |   | point  |            |   |        |
| 60-11-5645  | U | Amdor drip tray - all compartments   |            | 1 |        |
| 00 11 00 10 |   | Order with doors   |            |   |        |
|             |   | Drain to be clear plastic tubing routed to the outside of the apparatus  |            |   |        |
|             |   | SOPT#1185  |            |   |        |
|             |   | This feature will reduce the useable space in the compartment by 2".   |            |   |        |
| 60-11-5655  | U | Amdor pull straps - Flex HD - High side compartments   |            | 1 |        |
| 00-11-3033  | U | These will be for the L2 and R2 compartments. The locations of the straps  | will       | ′ |        |
|             |   | be:  | ******     |   |        |
|             |   | L2 compartment - left side wall as shown on approval drawing   |            |   |        |
|             |   | R2 compartment - right side wall as shown on approval drawing  |            |   |        |
|             |   | As approved by Rod Harris by e-mail on 01.06.2022  |            |   |        |
| CO 44 FCCO  |   | Andrew will store Flore UD. Full beingt a competence of  |            | _ |        |
| 60-11-5660  | U | Amdor pull straps - Flex HD - Full height compartments These will be for the rollup doors for both pump panels, L1, L3, R1, R3 and B   | <b>.</b>   | 1 |        |
|             |   | The locations of the straps will be:   |            |   |        |
|             |   | Pump panel - opposite of the speedlays   |            |   |        |
|             |   | L1 - L3 compartment - left side wall as shown on approval drawing  |            |   |        |
|             |   | R1 - R3 compartment - right side wall as shown on approval drawing   |            |   |        |
|             |   | As approved by Rod Harris by e-mail on 01.06.2022  |            |   |        |
| 60-31-4100  |   | Extruded aluminum handraile  |            | 1 | NATI   |
| 00-31-4100  |   | Extruded aluminum handrails Minimum 2" clearance from handrail to any surface  |            | ı | MTL    |
|             |   | William L. Gearance nominalitial to any Sunace   |            |   |        |
| 60-31-5000  |   | Zico access Ladder at rear of unit   |            | 1 | MTL    |
|             |   | Minimum 7" clearance between rung and any obstruction.   |            |   |        |
|             |   | Switch required for the Not Stowed warning light in cab  |            |   |        |
| 00.04.7000  |   | Literary Patentine and a second second   |            |   | 1.571  |
| 60-31-5800  | S | Intermediate step over rear compartment  | 2004       | 1 | MTL    |
|             |   | The bolt on step will be located a maximum of 18" below the hose bed to r ULC.   | ieet       |   |        |
|             |   | There will be delineation markings to meet NFPA  |            |   |        |
|             |   | Juli de deminación mantinge te moet in i A   |            |   |        |
| 60-31-6500  | S | Compartment matting - black plastic Interlocking tile  |            | 1 | MTL    |
|             |   | No yellow edge trim included as per tender response  |            |   |        |
|             |   |  |            |   |        |

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|-------------|---|--|-------|---------|
| PART NO     | S | DESCRIPTION  | QTY   | ID      |
| 60-31-7900  | U | Vertical unistrut tracking for all compts - dual tracks on front and rear wall   | 7     |         |
|             |   | All compartments to include dual tracks on the front and rear walls (stand   |       |         |
|             |   | unistrut tracking) for the mounting of shelving, trays, tool boards or o equipment, as required.   | tner  |         |
|             |   | Tracking will be left off walls that include vertical pull-out tool box  | rde   |         |
|             |   | (60-31-8200)   | iius  |         |
|             |   | The tracking will be shorter than standard to allow space for the Amdor I  | Drip  |         |
|             |   | Trays (60-11-5645)   | Jiip  |         |
|             |   |  |       |         |
| 60-31-8004  | U | Price Adjustment   | 2     |         |
| 60-31-80AA  | U | Price Adjustment   | 1     |         |
| 60-31-8200  | S | > Sliding vertical tool board - Open/Close latch   | 2     | MTL     |
|             |   | ENG. NOTE:   |       |         |
|             |   | Specify location   |       |         |
|             |   |  |       |         |
|             |   | Locations:   |       |         |
|             |   | Tool board #1 - L1 compartment, 36" tall, tight to right hand door rail to h   | old a |         |
|             |   | customer supplied and mounted SCBA bracket   | _     |         |
|             |   | Tool board #2 - L3 compartment, full height, adjustable from side to side, m   | ount  |         |
|             |   | 8" from right hand door rail   | 4     |         |
|             |   | White reflective stripe is applied on the exposed edge for visibility when the   |       |         |
|             |   | board is deployed. One (1) side of the #1 tool board and both sides of the #2  | τοοι  |         |
|             |   | board will be covered with PAC-Track (60-31-821A).   | Deim  |         |
|             |   | The #2 tool board will be shorter than standard to allow space for the Amdor Trays (60-11-5645).   | Drib  |         |
|             |   | As advised by Rod Harris by e-mail on 02.05.2021 and final locations appro   | wod   |         |
|             |   | by e-mail on 01.06.2022  | veu   |         |
|             |   | by 6-mail on 01.00.2022  |       |         |
| 60-31-821A  | U | Pac-Track on the tool boards and compartment   | 4     |         |
| 00-01-02174 |   | Pac Trac is installed horizontally on the left side only of the #1 tool board  |       |         |
|             |   | both side of the #2 tool board (60-31-8200).   | u.i.u |         |
|             |   | There will a 24" piece high installed the full width of the L1 compartment - u   | pper  |         |
|             |   | portion of the compartment.  |       |         |
|             |   | As requested by Rod Harris by e-mail on 02.05.2021   |       |         |
|             |   | SOPT#1136  |       |         |
|             |   |  |       |         |
| 60-31-8400  | S | Fixed vertical partition   | 2     | MTL     |
|             |   | There will be vertical partitions in the following locations:  |       |         |
|             |   | 1. 36" tall - Left of Tool board #1 in the L1 compartment - 14" from right hand  | tool  |         |
|             |   | board (60-31-8200)   | 40"   |         |
|             |   | 2. Full height - Left of Tool board #2 in the L3 compartment - Approximately   | 16"   |         |
|             |   | from right hand door rail (so there is 8" each side of tool board 60-31-8200)  As requested by Rod Harris by e-mail on 02.05.2021 and approved | on    |         |
|             |   | 01.06.2022   | OH    |         |
|             |   | V 1.VV.£V££  |       |         |
| 60-31-84AA  | U | Rolled hose and extinguisher storage in L1 compartment   | 1     |         |
| 30 01-04AA  | 3 | The 600lb 100% extension Slidemaster tray in the L1 compartment will have f  | -     |         |
|             |   | rolled hose slots 4" wide each and a plate in the center of the remaining area wh  |       |         |
|             |   | the customer will mount extinguishers on either side after the delivery.   |       |         |
|             |   | As requested by Rod Harris by e-mail on 02.05.2021   |       |         |
|             |   | •  |       |         |
| 60-31-8800  | U | Price Adjustment   | 5     |         |
| 60-31-8800  | S | > Sliding tray (ea) - 600 pound capacity AM2 70% extension   | 2     | MTL     |
|             |   | ENG. NOTE:   |       |         |
|             |   | Specify location   |       |         |
|             |   |  |       |         |
|             |   | ***Hardware requires 3-1/2" of compartment height  |       |         |
|             |   | Reflective stripe is applied on the exposed edge for visibility when the compartn  | ent   |         |
|             |   | door is open   |       |         |
|             |   | Location:  |       |         |
|             |   | Tray #1 - R3 compartment   |       |         |
|             |   | Tray #2 - B1 compartment Model AM2 requested in item #400 of the body tender will only extend 70%  |       |         |
|             |   | As requested by Rod Harris by e-mail on 02.05.2021   |       |         |
|             |   | AS requested by Nou Hairis by 6-iliali OH 02.03.2021   |       |         |
| 1           |   |  |       |         |
|             |   |  |       |         |

| 05/24/2022                             |   |   |        |                  | Page 1            |
|--|---|---|--------|------------------|-------------------|
| PART NO                                | S | DESCRIPTION   | QT     |                  | ID                |
| 60-31-88AA                             | U | Sliding tray (ea) - 600 pound capacity AM3 - 100% extension   |        | 2                |                   |
|  |   |   | the    |                  |                   |
|  |   | compartment door is open.   |        |                  |                   |
|  |   | Tray #1 - R1 compartment  |        |                  |                   |
|  |   | Tray #2 - L1 compartment in the remaining area beside the vertical partit   | ion    |                  |                   |
|  |   | (60-31-8400) and tool board (60-31-8200)<br>As requested by Rod Harris by e-mail on 02.05.2021  |        |                  |                   |
|  |   | As requested by Rod Harris by e-mail on 02.05.2021  |        |                  |                   |
| 60-31-90AA                             | U | Tip down tray - 30 degree, 200 pound capacity - aluminum hardware   |        | 1                |                   |
|  |   | The tray will be 200 lb capacity with aluminum hardware as approved at the vir  | tual   | -                |                   |
|  |   | inspection of 04.05.2022  |        |                  |                   |
|  |   | ·   |        |                  |                   |
| 60-31-9600                             | S | > Adjustable shelf (ea)   |        | 7                | MTL               |
|  |   | ENG. NOTE:  |        |                  |                   |
|  |   | Specify location  |        |                  |                   |
|  |   | Pofloative etrine is applied on the exposed edge for visibility when the comparts   | nont   |                  |                   |
|  |   | Reflective stripe is applied on the exposed edge for visibility when the compartn door is open  | ient   |                  |                   |
|  |   | Locations:  |        |                  |                   |
|  |   | Shelf #1 - EMS cabinet 20-99-10AA Depth - Full  |        |                  |                   |
|  |   | Shelf #2 - EMS cabinet 20-99-10AA Depth - Full  |        |                  |                   |
|  |   | Shelf #3 - Fixed in L1 compartment to support vertical divider (60-31-8400)   |        |                  |                   |
|  |   | Shelf #4 - Left of vertical divider in L3 compartment - full depth  |        |                  |                   |
|  |   | Shelf #5 - Left of vertical divider in L3 compartment - full depth  |        |                  |                   |
|  |   | Shelf #6 - Under the Blister in R3 compartment  |        |                  |                   |
|  |   | Shelf #7 - Upper portion of the R3 compartment  |        |                  |                   |
|  |   | As requested by Rod Harris by e-mail on 02.05.2021  |        |                  |                   |
| 60 22 2550                             | _ | Two adjustable and two fixed base divides (analy)   |        |                  | MTL               |
| 60-32-3550                             | S | Two adjustable and two fixed hose divider (each) Hand hold required in end  |        | 1                | WIL               |
|  |   | Two adjustable and two fixed in center to create the walkway 60-32-3580.  | Λe     |                  |                   |
|  |   | requested by Rod Harris by e-mail on 01.08.2021.  | 73     |                  |                   |
|  |   | See also 60-32-75AA for mounting and location requirements  |        |                  |                   |
|  |   |   |        |                  |                   |
| 60-32-3580                             | U | Hose bed walkway  |        | 1                |                   |
|  |   | The hosebed shall incorporate a center walkway for safety. The walkway  |        |                  |                   |
|  |   | shall be minimum of 18" wide and sided by two fixed dividers that will  |        |                  |                   |
|  |   | also act as hosebed cover supports.<br>Non slip overlays shall be provided in the walkway part of hosebed.  |        |                  |                   |
|  |   | As requested by Rod Harris by e-mail on 01.08.2021  |        |                  |                   |
|  |   | As requested by Nou Harris by e-mail on 01.00.2021  |        |                  |                   |
| 60-32-75AA                             | U | Full width Hose bed - aluminum  |        | 1                |                   |
| 00 02 707 13 1                         | _ | The rear of the hose bed to be held back from the rear of the apparatus by a minim  | um     | -                |                   |
|  |   | of eight (8) inches to provide for a landing area when accessing the hose bed at  |        |                  |                   |
|  |   | stepping off the access ladder. There will be Delineation markings to meet NFPA   |        |                  |                   |
|  |   | Hose bed to be able to hold the following:  |        |                  |                   |
|  |   | 800' of 4" hose   |        |                  |                   |
|  |   | 300' of 2-1/2" hose   |        |                  |                   |
|  |   | 300 of 1-3/4" hose  | _ C''' |                  |                   |
|  |   | There will be a partition at the front of the hose bed to protect the water and foar  | u IIII |                  |                   |
|  |   | along with a walkway (60-32-3580) - these areas will not be covered by the hose becovers (60-33-5000)   | ea     |                  |                   |
|  |   | As requested by Rod Harris by e-mail on 01.08.2021  |        |                  |                   |
|  |   | 1.0 104400104 by 1.04 Hallio by 6 Hall off 61.00.2021   |        |                  |                   |
| 60-33-0100                             |   | Paint exterior - Imron Elite and clearcoat E  |        | 1                | MTL               |
|  |   | *** Paint code and colour red to match cab  |        |                  |                   |
| 00 00 00                               |   | 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |        |                  |                   |
| 60-33-0200                             |   | Undercoat vehicle with KROWN rust protection  |        |                  | MTL               |
| 60-33-0600                             | S | Chassis wheels not painted - wheels are polished aluminum   |        | 1                | MTL               |
|  |   |   |        | 1                |                   |
|  | c |   |        | 1                |                   |
| 00-33-2300                             | 3 |   |        | '                | IVI I L           |
|  |   |   | ody    |                  |                   |
|  |   |   | Juy    |                  |                   |
|  |   | tender  |        |                  |                   |
| 60-33-1000<br>60-33-1500<br>60-33-2300 | S | Paint pump and plumbing job colour Buffed finish compartment interior  Lettering - special graphics  *** Vinyl letters, Fire Department to provide details on location and text.  Door crests will be provided by the customer as listed in item # 480 of the b | ody    | 1<br>1<br>1<br>1 | MTL<br>MTL<br>MTL |

| PART NO    | S   | DESCRIPTION  | QTY      | /     | ID   |
|------------|-----|--|----------|-------|------|
|            |     |  | <b>Q</b> |       | טו   |
|            |     | "E141" on front bumper Door cres on front chassis door   |          |       |      |
|            |     | "E141" on rear chassis door  |          |       |      |
|            |     | Canadian Flag on rear side compartment door  |          |       |      |
|            |     | "Georgina Fire Rescue" on upper side of body   |          |       |      |
|            |     | "Engine 141" on rear compartment door  |          |       |      |
|            |     | As per approved print received by e-mail from Rod Harris by e-mail   | on       |       |      |
|            |     | 01.06.2022   |          |       |      |
|            |     |  |          |       |      |
| 60-33-3200 | S   | Reflective stripe - 1" - 4" -1" white on painted surface, red on rollup doors  |          | 1     | MTL  |
|            |     | One (1) inch white/red stripe, one (1) inch space, four (4) inch white/red   | 1        |       |      |
|            |     | stripe, one (1) inch space and one (1) inch white/red stripe angled up ("hot stick pattern") up the L1/R1 compartment doors. The white stripe will                 | key      |       |      |
|            |     | installed on the red painted surfaces and the red stripe will be installed on  |          |       |      |
|            |     | rollup doors   | uic      |       |      |
|            |     | Final design was approved by e-mail by Rod Harris on 01.06.2021  |          |       |      |
|            |     | 3M Scotchlite material.  |          |       |      |
|            |     |  |          |       |      |
| 60-33-3310 | S   | Reflective stripe - red and yellow chevron at rear only - Diamond grade  |          | 1     | MTL  |
|            |     | material   |          |       |      |
|            |     | Minimum 50% of rear vertical surface   |          |       |      |
| 60-33-33AA | U   | Diamond Grade Chevrons - front bumper  |          | 1     |      |
| 00-33-33AA | U   | There will be Diamond Grade Chevrons supplied and installed on the front bumper  |          | 1     |      |
|            |     | match M18-20000 and requested by Rod Harris by e-mail on 12.02.2020  | 10       |       |      |
|            |     | ,  |          |       |      |
| 60-33-4700 |     | No crosslay preconnects on vehicle E   |          |       | MTL  |
| 60-33-5000 | S   | Aluminum cover over hose bed with end tarps - black  |          | 1     | MTL  |
|            |     | Manual hose bed covers with gas struts and safety chains.  |          |       |      |
|            |     | The end tarps will have to be velcro straps and footman loops due to layout  |          |       |      |
|            |     | Switches for door ajar required Will stop 8" short at the rear of the hose bed for the landing step surface, be  | full     |       |      |
|            |     | will stop of short at the real of the hose bed for the failuing step surface, be width of the hose bed, will not cover the water fill / foam fill area or the walk | way      |       |      |
|            |     | (60-32-3580).  | way      |       |      |
|            |     | (00 02 000)  |          |       |      |
| 60-40-5500 | S   | Suction hose tube (each) with door   |          | 2     | MTL  |
|            |     | Located under the hose bed as requested by Rod Harris by e-mail on 01.08.20  | 21.      |       |      |
|            |     | To store the 6" x 10 long suction hoses 80-11-5000.  |          |       |      |
|            |     | Tubes will be fully enclosed with a single rear access door.   |          |       |      |
|            |     | Door ajar switch required.   |          |       |      |
| 60-40-9000 | s : | > Tube mount for ladders through water tank, with rear door  |          | 1     | MTL  |
| 00 40 0000 |     | ENG. NOTE:   |          |       |      |
|            |     | Specify location, ladders to be installed in this tube, complete dimensions of ladders   | ers if   |       |      |
|            |     | user supplied  |          |       |      |
|            |     |  |          |       |      |
|            |     | The ladder tube will be through the water tank - above the rear compartm   |          |       |      |
|            |     | (60-11-3200) and under the hose bed (60-32-7500) as requested by Rod Har   | ris      |       |      |
|            |     | by e-mail on 01.08.2021.  To store the 24' Duo Safety two section extension ladder 80-14-0505, 14' [   | )110     |       |      |
|            |     | Safety roof ladder 80-14-5510, 10' Duo Safety folding attic 80-14-8510, 10' p  | ke       |       |      |
|            |     | pole 80-13-2500 and the 12' pike pole 80-13-25AA.  |          |       |      |
|            |     | Tubes will be fully enclosed with a single rear access door.   |          |       |      |
|            |     | Door ajar switch required.   |          |       |      |
|            |     | Ladders to be seperated so they can be deployed individually   |          |       |      |
| 60 44 4000 | _   | Dita Dala tuka in ladday mayyat fay laddaya  |          | 2     | N/T1 |
| 60-41-1000 | S   | Pike Pole tube in ladder mount for ladders Refer to 60-40-9000   |          | 2   1 | MTL  |
|            |     | 1/6161 (0 00-40-3000   |          |       |      |
| 60-41-1500 | S   | Attic ladder tube in tube mount for ladders  |          | 1     | MTL  |
|            |     | Refer to 60-40-9000  |          |       | _    |
|            |     |  |          |       |      |
| 60-91-0500 | S : | > Compartment SCBA Storage rack (14 tubes)   |          | 1     | MTL  |
|            |     | ENG. NOTE: Specify location and number of cylinders to be stored   |          |       |      |
|            |     |  |          |       |      |

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|------------|---|--|-----|---------|
| PART NO    | S |  | QTY | ID      |
|            |   | There will be seven (7) tubes at the bottom of the L2 compartment and seven (7 tubes at the bottom of the R2 compartment with an aluminum sheet above the tube |     |         |
|            |   | to allow loose items to be stored above. There will be interlocking tile (60-31-650)   |     |         |
|            |   | installed on the aluminum sheet. The tubes will be set up for the following bottles:   | ,   |         |
|            |   | MSA G1 4500 PSI H60 (7" diameter x 24" long) and H45 (6" diameter x 23.5" long)  |     |         |
|            |   | Photo of valve cap (to ensure retaining loop will fit) saved at F:/Data/Jacques/Currel   | nt  |         |
|            |   | Project/Georgina/Pictures  |     |         |
|            |   | As requested by Rod Harris by e-mail on 02.05.2021   |     |         |
|            |   |  |     |         |
| 60-99-15AA | U | Hose bed cover locks   | . 1 |         |
|            |   | Must have the doors fitted with positive hold open (lock out) devices with   |     |         |
|            |   | latching design to prevent the door from being accidentally closed (wind   | or  |         |
|            |   | other) while in use. As built for the M18-20000 project.  See drawings in F:/Data/Jacques/Current Projects/Georgina/Upper and lower                            |     |         |
|            |   | locks  | ; [ |         |
|            |   | IOCKS  |     |         |
|            |   | INSTRUMENTATION  | 1   | MTL     |
| 70-11-0000 |   | Warning Label on Pump Operator's Panel   | 1   | MTL     |
| 70-11-0501 | S | Side mount instrument panel with rollup door LS and RS   | 1   | MTL     |
|            |   | No gauge or visual display can be higher than 84" above the operator's standing  | 1   |         |
|            |   | position   |     |         |
|            |   | Midpoint of any control cannot be higher than 72" above the operator's standing  | )   |         |
|            |   | position   |     |         |
| 70 44 4500 |   | Otalinla as at a disast manuscritina and the   |     | 4471    |
| 70-11-1500 |   | Stainless steel instrument panels  |     | MTL     |
|            |   | 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   | j   |         |
|            |   | position   |     |         |
| 70-11-3200 | S | Colour coded tags - Vision Mark Tags   | 1   | MTL     |
|            | _ | Information to be in Imperial to match M18-20000   |     |         |
|            |   | Tag colors were approved by e-mail from Rod Harris on 12.15.2021   |     |         |
|            |   |  |     |         |
| 70-11-5100 |   | Open storage at rear top of pump house   | 1   | MTL     |
|            |   | Drain holes required, plumbed to below frame rails.  |     |         |
|            |   | Black plastic interlocking tile install on floor   |     |         |
|            |   | Iluuminated by Lumabar to be activated with park brake   |     |         |
| 70-11-5500 | S | Right side brushed aluminum access door with thumb latches   | 1   | MTL     |
| 70-77-0000 |   | The door will be brushed aluminum finish with thumb latches to mate  |     |         |
|            |   | M18-20000  |     |         |
|            |   |  |     |         |
| 70-11-7500 | S | Heat pan-aluminum - extreme weather  |     | MTL     |
|            |   | To be in 2-halves - removable from each side to meet the requirement in iter   | m   |         |
|            |   | #505 in the body tender  |     |         |
| 70 44 0000 |   | Hardania augus assumaturani  |     | 4471    |
| 70-11-8000 |   | Heater in pump compartment   | 1   | MTL     |
|            |   | Switch for heater located on left side pump operators panel Label to indicate "Pump House Heater" to match M18-20000   |     |         |
|            |   | Label to mulcate Fump house neater to match M10-20000  |     |         |
| 70-11-8200 | U | Rubber seal around suction and discharge openings on panel   | 1   |         |
| 70-20-1120 | Ŭ | 4-1/2" compound gauge - dual face 0-400  | 2   |         |
|            | _ | To be within 8" of each other - edge to edge   |     |         |
|            |   |  |     |         |
| 70-20-2130 | U | 2-1/2" pressure gauge - dual face 0-400  | 11  |         |
|            |   | Gauge to be no more than 6" from edge of the gauge to the center of the control  | ol. |         |
| 70 00 0700 |   | Discount of Title of   |     | 447     |
| 70-20-2500 | S | Primer control - Trident   |     | MTL     |
| 70-20-3100 |   | Class One Governor Control Throttle can be no lower than 42" and no higher than 72" from operator's standing   | 1   | MTL     |
|            |   | position.  | d   |         |
|            |   | position.  |     |         |
| 70-20-3615 | U | Whelen PSTank2 bar at rear only  | 1   |         |
|            |   | Located on the LS rear as shown on the proposal drawing and wired  |     |         |
|            |   | conjunction to the Spartan supplied one on side of cab.  |     |         |

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|--------------------|---|---|------|---------|
| PART NO            | S | DESCRIPTION   | QTY  | ID      |
|                    |   | Interlock with park brake so powered only when the park brake is set. SOPT#263  |      |         |
| <b>70.00.007</b> 0 |   |   |      |         |
| 70-20-3670         | U | FRC WLA300-A00 Water level gauge - Left side pump panel   | 1    | NAT!    |
| 70-20-6500         |   | Test gauge panel  | 1    | MTL     |
|                    |   | Mount below the compound gauges for proper draining   |      |         |
| 70-20-7500         |   | Heat exchanger control valve  | 1    | MTL     |
| 70-20-7600         |   | Pump cooler control valve   | 1    | MTL     |
| 70-21-1650         | U | FRC WLA360-A00 Foam level gauge - Left side pump panel  | 1    |         |
| 71-21-3500         |   | Headset compartment   | 1    | MTL     |
|                    |   | The Headset compartment will be mounted on the left side pump panel un otherwise specified                                      | less |         |
|                    |   | ACCESSORIES   | 1    | MTL     |
| 80-11-5000         |   | 6" x 10' lightweight suction hose (ea)  | 2    |         |
|                    |   | Tube mounted  | _    |         |
|                    |   |   |      |         |
| 80-12-2500         |   | 6" barrel strainer  | 1    | MTL     |
|                    |   | Shipped loose, not mounted.   |      |         |
|                    |   |   |      |         |
| 80-13-0500         |   | Rubber mallet   | 1    | MTL     |
|                    |   | Shipped loose, not mounted.   |      |         |
| 00 40 0500         |   | But a set of the set of the set of the set  |      |         |
| 80-13-2500         |   | Pike pole, fibreglass handle - 10' long Tube mounted  | 1    | MTL     |
|                    |   | Tube mounted  |      |         |
| 80-13-2516         | U | Pike pole, fibreglass handle - 12' long   | 1    |         |
| 00-13-2310         | U | Tube mounted  |      |         |
|                    |   | Tube mounted  |      |         |
| 80-14-0505         | U | Duo Safety 24' two section ladder   | 1    |         |
|                    |   | Tube mounted  | _    |         |
|                    |   |   |      |         |
| 80-14-5510         | U | Duo Safety 14' roof ladder  | 1    |         |
|                    |   | Tube mounted  |      |         |
|                    |   |   |      |         |
| 80-14-8510         | U | Duo Safety 10' attic ladder   | 1    |         |
|                    |   | Tube mounted  |      |         |
| 00 40 0550         |   | Dubbay wheel sheek (se)   | 2    |         |
| 80-19-0550         | U | Rubber wheel chock (ea)   | 2    |         |
|                    |   | Mounted in a compartment to be determined at the pre-build meeting  |      |         |
|                    |   |   |      |         |
| 80-99-15AA         | U | Streamlight 5 bank charger - charger only   | 1    |         |
|                    |   | A flashlight charger (bank of five - 12 volt) will be installed to charge custo   | mer  |         |
|                    |   | supplied "Streamlight" flashlights.   |      |         |
|                    |   | Customer specified that the charger is 12-volts   |      |         |
|                    |   | Customer specified preferred mounting location will be on EMS cabinet be  | nind |         |
|                    |   | dog house (20-90-1825) and mounted towards officer seat. See picture  | ın   |         |
|                    |   | F:/Data/Jacques/Current Projects/Georgina/Pictures Customer specified the model of their Streamlight flashlights are "Survivor" |      |         |
|                    |   | SOPT#406  |      |         |
|                    |   | As advised by Rod Harris by e-mail on 01.08.2021  |      |         |
|                    |   | aaou ay itou mamo ay o mam on o noomon  |      |         |
| 80-99-25AA         | U | TFT Hurricane RC Monitor, stacked tips w/XGA Extenda gun riser  | 1    |         |
|                    |   | There will be Hurricane Remote Control monitor with stacked tips and XGA exter  | nda  |         |
|                    |   | gun supplied and installed on the monitor pipe 30-44-6520.  |      |         |
|                    |   | Remote control monitor - TFT XF1H-E-PLNJ  |      |         |
|                    |   | Stacked tips - TFT MST-4NJ  |      |         |
|                    |   | Tethered monitor - Y4E-CT-30-D with 30' cord - to be installed on side wall of oper   | ator |         |
|                    |   | pump panel  |      |         |
|                    |   | Extenda Gun riser - TFT XGA   |      |         |
|                    |   | As requested by Rod Harris by e-mail on 04.13.2021  |      |         |
|                    |   |   |      |         |
|                    |   |   |      |         |
|                    |   |   |      |         |