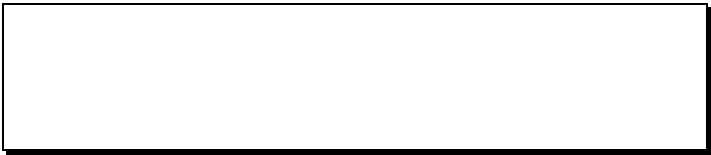




Municipality of Middlesex Centre
 Coldstream Municipal Offices
 10227 Ilderton Road, RR2
 Ilderton, ON N0M 2A0



Exp. Date: 11/14/2016
Quote No: GMION-0014 **Job/Order No:** 19396
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

08/21/2017

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|------------|---|----------|--|-----|-----|
| | | | == Metalfab Pumper - ULC 05/13 - 0.000 == | 1 | MTL |
| | S | | Change Order C | 1 | MTL |
| 00-00-1000 | U | | Exceptions to Tender document | 1 | |
| 00-10-1500 | | | Metalfab Pumper | 1 | MTL |
| 00-20-1000 | | | Company Profile | 1 | MTL |
| 00-20-1500 | | | 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 | S | | Polypropylene Tank Lifetime Warranty | 1 | MTL |
| 00-20-2000 | | | Plant Visits - unlimited at customer expense | 1 | MTL |
| 00-20-2800 | S | | 10% Bid Bond required | 1 | MTL |
| 00-20-3500 | | | Certification for Fusion Welding of Aluminum | 1 | MTL |
| 00-20-4000 | | | Quality System registered to ISO 9001:2008 | 1 | MTL |
| 00-20-4500 | | | Fire Apparatus Manufacturers' Association Membership | 1 | MTL |
| | | | GENERAL INFORMATION | 1 | MTL |
| 10-11-0000 | | | Intent | 1 | MTL |
| 10-11-0110 | | | Vehicle data recorder included with chassis | 1 | MTL |
| 10-11-1100 | S | | ULC S515-13 Compliance | 1 | MTL |
| 10-11-1500 | | > | ULC Testing - Pumper | 1 | MTL |
| 10-11-2100 | | | Maximum length not specified | 1 | MTL |
| 10-11-2200 | | | Maximum height not specified | 1 | MTL |
| 10-11-2400 | | | Overall length is 30' or more | 1 | MTL |
| 10-11-2500 | | | General Construction | 1 | MTL |
| 10-11-3000 | | | Manuals - two copies | 1 | MTL |
| 10-11-3600 | S | > | Delivery - FOB Fire Department - Carrier Centers | 1 | MTL |
| | | | E | | |
| 10-11-4000 | | | Payment Terms - Chassis Net 10 days, Balance COD | 1 | MTL |
| 10-20-1000 | | | Hose bed capacity - standard ULC Pumper | 1 | MTL |
| 10-20-2000 | | | Equipment carrying capacity - standard ULC Pumper | 1 | MTL |
| | | | CHASSIS INFORMATION | 1 | MTL |
| 20-11-1000 | S | | Chassis supplied by Metalfab - Freightliner M2 106 | 1 | MTL |
| 20-11-1500 | | | 2013 Emission chassis modifications | 1 | MTL |
| 20-11-1710 | U | | Chassis Motor Vehicle Inspection/Licence required - Ontario | 1 | |
| 20-21-0500 | | | Fluid capacity plate | 1 | MTL |
| 20-21-0600 | | | Pumping test plate | 1 | MTL |
| 20-21-1030 | | | Maximum riders sign - 5 persons | 1 | MTL |
| 20-21-1510 | | | Seat belt warning labels - 4 door chassis | 1 | MTL |
| 20-21-1540 | | | Tire Pressure Indicators - Tandem Axle | 1 | MTL |
| 20-21-1600 | | | Apparatus Information Label | 1 | MTL |
| 20-21-2000 | | | Non removable key | 1 | MTL |
| 20-21-2500 | | | Shifter lock not required | 1 | MTL |
| 20-21-3500 | | | Rear step warning label | 1 | MTL |

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|------------|---|----------|--|-----|-----|
| 20-21-3810 | | | Front mudflaps provided with chassis | 1 | MTL |
| | | | E | | |
| 20-21-4000 | | | Rear mudflaps - Metalfab Logo | 1 | MTL |
| 20-31-0200 | | | Fuel fill label -Ultra Low Sulfur Diesel only | 1 | MTL |
| 20-31-1100 | | | Alum tread fuel tank covers, diamond grip steps, Conv - 4 dr | 1 | MTL |
| 20-31-1900 | S | | Chassis cab painted by chassis OEM | 1 | MTL |
| 20-31-4700 | S | > | Extend front bumper, gravshld with preconnected hosewell | 1 | MTL |
| 20-31-7500 | S | | Console in cab | 1 | MTL |
| 20-41-0600 | S | | Intake air shutoff for engine not requested | 1 | MTL |
| 20-41-0900 | | | Auxiliary braking system disabled when pumping | 1 | MTL |
| 20-41-1100 | | | Transmission programming - Allison WT | 1 | MTL |
| 20-41-1500 | | | Extend exhaust pipe - RS front of rear wheels | 1 | MTL |
| | | | E | | |
| 20-41-1900 | | | Battery boost terminals with chassis | 1 | MTL |
| | | | E | | |
| 20-41-2000 | | | Chassis batteries remain in OEM location | 1 | MTL |
| 20-41-2510 | | | Fuel fill at step fuel tank under cab | 1 | MTL |
| 20-41-2600 | | | Chassis fuel tank remains in OEM location | 1 | MTL |
| 20-41-5000 | | | Rear Tow Hooks - under body | 1 | MTL |
| 20-51-0710 | | | Master Battery Disconnect included with Freightliner chassis | 1 | MTL |
| 20-51-2500 | | | Back up alarm included with chassis | 1 | MTL |
| 20-51-3400 | | | Protection valve installed for air operated accessories | 1 | MTL |
| 20-51-4000 | | | Auto eject for air inlet - LS | 1 | MTL |
| 20-51-6200 | S | > | 120 volt 20 A shore line receptacles | 5 | MTL |
| 20-51-6500 | | | Kussmaul Autocharge 1000 battery conditioner w/battery saver | 1 | MTL |
| | | | E | | |
| 20-51-7100 | | | Electric System Manager | 1 | MTL |
| 20-51-7500 | S | | Super Auto eject for 120 v - 20 A with sealed enclosure | 1 | MTL |
| 20-51-8500 | S | | Engine compartment light | 1 | MTL |
| 20-51-9001 | S | | Air horns included with chassis | 1 | MTL |
| 20-52-3500 | | > | Chassis steering wheel lined up by Metalfab | 1 | MTL |
| | | | E | | |
| 20-60-0400 | | | Chassis wheelbase does not change | 1 | MTL |
| 20-99-05AA | U | | Air horn control on pump panel | 1 | |
| | | | PUMP AND PLUMBING | 1 | MTL |
| 30-11-3002 | | | Waterous CXVPA 1250 PTO driven pump - 1050 IGPM | 1 | MTL |
| 30-15-0304 | | | Plumbing - non manifold pump SM SS | 1 | MTL |
| | | | E | | |
| 30-20-0500 | | | Valves and controls - side mount panel | 1 | MTL |
| 30-20-1001 | | | Valve brand not specified | 1 | MTL |
| | | | E | | |
| 30-20-1620 | S | | Piping stainless steel - Non manifold pump | 1 | MTL |
| 30-20-1700 | S | | 1-1/2" thread specifications NPSH | 1 | MTL |
| 30-20-1800 | S | | 2-1/2" thread specifications CSA | 1 | MTL |
| 30-20-2000 | | | Piping hydrostatic test | 1 | MTL |
| 30-20-2510 | S | | Anodes in suction and discharge piping - Non manifold pump | 1 | MTL |
| 30-21-5520 | | | Tank to Pump SS 3" w/ check valve non manifold pump | 1 | MTL |
| 30-22-0520 | | | Tank Fill valve 2" SS | 1 | MTL |
| 30-31-4020 | | | Suction - 6" not gated each side SS non manifold pump 6" header | 1 | MTL |
| 30-32-7550 | | | Suction - 2-1/2" left side SS, bleeder, non manifold pump | 1 | MTL |
| 30-40-2006 | | | 4" right discharge, plumbed 3", non manifold pump | 1 | MTL |
| 30-41-2040 | | | 2-1/2" RS discharge SS, bleeder, non manifold pump | 1 | MTL |
| 30-41-2540 | | | 2-1/2" LS discharge SS, bleeder, non manifold pump | 2 | MTL |
| 30-43-1520 | | | 2-1/2" rear discharge SS, plumbed 2-1/2", bleeder | 2 | MTL |
| 30-44-0520 | | | 1-1/2" crosslay (each) SS, 2" valve, bleeder | 2 | MTL |
| 30-44-1020 | S | > | 1-1/2" front trash line SS, plumbed 2", hosewell, auto drain | 1 | MTL |
| 30-44-6520 | | | Piping for monitor SS, plumbed 3", bleeder | 1 | MTL |
| 30-51-0500 | S | | Pump shift-power shift PTO | 1 | MTL |
| 30-51-1500 | | | Power shift PTO - Automatic transmission | 1 | MTL |
| 30-51-1501 | | | PTO driveshaft | 1 | MTL |
| | | | E | | |

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|------------|---|----------|--|-----|-----|
| 30-51-6640 | | | Class One "TPG Plus" Governor/Throttle | 1 | MTL |
| 30-51-7002 | | | Suction side relief V/V, non manifold pump | 1 | MTL |
| 30-51-7500 | | | Primer electric vane type 12V with oil tank Waterous | 1 | MTL |
| 30-51-8100 | | | Heat exchanger included with chassis | 1 | MTL |
| 30-52-1000 | | | Master drain V/V, 12 port | 1 | MTL |
| 30-52-2000 | | | Drain valve for foam system header | 1 | MTL |
| 30-52-4010 | | | Foam System - Hypro FoamPro 1600 | 1 | MTL |
| 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 | 1 | MTL |
| 30-99-0500 | U | | Flame plated impeller hubs - Waterous CX | 1 | |
| | | | WATER AND FOAM TANKS | 1 | MTL |
| 40-11-2100 | S | | Polypropylene water tank (Imperial gallons) | 1 | MTL |
| 40-11-2200 | | | Water tank capacity certification (tank manufacturer) | 1 | MTL |
| 40-11-7000 | | | Tank capacity 2000 Imperial Gallons | 1 | MTL |
| 40-12-5000 | S | | Foam cell - 25 Imperial gallon | 1 | MTL |
| 40-13-0100 | S | > | Through the tank tunnel | 1 | MTL |
| 40-21-1000 | | | 4" tank to pump connection | 1 | MTL |
| 40-22-0500 | | | 2" tank fill connection | 1 | MTL |
| 40-23-0500 | | | 1" water level gauge connection | 1 | MTL |
| 40-23-1000 | | | 1" foam level gauge connection | 1 | MTL |
| 40-23-1040 | | | 4" direct fill connection | 1 | MTL |
| 40-23-1060 | | | 10" Newton dump connection | 1 | MTL |
| 40-30-0400 | | | 3" plug in sump box | 1 | MTL |
| 40-30-1100 | | | Water Fill Box middle left side | 1 | MTL |
| 40-31-3500 | | | 10" rear Newton dump, stainless steel | 1 | MTL |
| 40-31-4700 | | | Newton dump, top mount manual operation | 1 | MTL |
| 40-31-56AA | U | | Stainless Steel swivel dump chute, rotating with lock | 1 | |
| 40-31-5800 | | | Support for rotating dump chute if necessary | 1 | MTL |
| 40-31-8000 | S | < | 4" Storz rear gated fill | 1 | MTL |
| | | | Move rear fill connection as low as possible | | |
| 40-99-0100 | U | < | Stainless Steel flip up chute for rotating dump valve | 1 | |
| | | | Note that chute is to overlap the dump valve when stowed same as previous truck rather than sit on top of the dump valve as our original drawing showed. | | |
| | | | ELECTRICAL | 1 | MTL |
| 50-11-0500 | S | | Base electrical system | 1 | MTL |
| 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 |
| 50-11-0900 | S | | Rocker switch panel with master warning switch | 1 | MTL |
| 50-11-1400 | | | Federal PA300 100 watt siren | 1 | MTL |
| 50-11-1620 | | | Siren speaker, 100 watt, in front bumper | 1 | MTL |
| 50-11-2010 | | | Federal Q2B mechanical siren - through front bumper | 1 | MTL |
| 50-11-2600 | | | Siren to be accessible to driver and officer | 1 | MTL |
| 50-11-6100 | S | | Whelen F4N0QLED LED light bar NFPA | 1 | MTL |
| 50-11-7600 | S | | Rear LED Signal Master warning lights - flush mount | 1 | MTL |
| 50-11-8600 | S | | Rear LED beacons-Whelen MCFLED2R (pr) both red | 1 | MTL |
| 50-12-8500 | S | | Front LED flashers (pr)-Whelen red LED 400 | 1 | MTL |
| 50-12-8600 | S | | Rear LED flashers (pr)-Whelen red LED 400 | 1 | MTL |
| 50-12-8700 | S | | Front side inter lts (pr) - Whelen red LED 400 | 1 | MTL |
| 50-12-8800 | S | | Body side inter lts (pr)-Whelen red LED 400 | 1 | MTL |
| 50-12-8900 | S | > | Add'l body side inter lts (pr)-Whelen red LED 400 | 1 | MTL |
| 50-21-5100 | | > | Compartment lighting - LED tube lights in each compartment (rollup doors) | 1 | MTL |
| 50-21-5500 | | | Door Ajar warning light | 1 | MTL |
| 50-21-5550 | | | Equipment rack not stowed warning light | 2 | MTL |
| 50-21-8001 | S | | Step lights for body steps - 4" LED | 1 | MTL |

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|------------|---|----------|--|-----|-----|
| 50-21-8201 | S | | Step lights for chassis steps - LED H20 Lumabars x 8 | 1 | MTL |
| 50-21-8600 | | | LED clearance lts and reflectors | 1 | MTL |
| 50-21-8800 | | | LED intermediate turn signal/clearance/reflector length >30' | 1 | MTL |
| 50-22-0700 | S | | Whelen 64 LED tail/brake-turn-backup module (pr) | 1 | MTL |
| 50-31-6010 | | | Scene light boxes (pr) - tread plate | 2 | MTL |
| 50-31-6015 | U | | Whelen 9SC0ENZR LED Scene lights (pr) - Left side | 1 | |
| 50-31-6016 | U | | Whelen 9SC0ENZR LED Scene lights (pr) - Rear facing | 1 | |
| 50-31-6017 | U | | Whelen 9SC0ENZR LED Scene lights (pr) - Right side | 1 | |
| 50-31-6560 | S | | Ground lighting (LED H20 Lumabar) - 4 door chassis | 1 | MTL |
| 50-31-6570 | S | | Ground lighting (LED H20 Lumabar) - side mount body | 1 | MTL |
| 50-99-10AA | U | | Lighting for rear step/tailboard - LED H20 Lumabars as required | 1 | |
| 50-99-15AA | U | | Hose bed cover lights - LED - 40" lumabars x 4 | 1 | |
| | | | BODY | 1 | MTL |
| 60-10-1600 | | | Tandem axle extruded aluminum body | 1 | MTL |
| 60-10-4100 | | | No "beavertail" rear step supports | 1 | MTL |
| 60-10-4600 | | | Painted fender surround | 1 | MTL |
| 60-10-4700 | | | Integral aluminum fender trim | 1 | MTL |
| 60-10-5400 | > | | Diamondback pumphouse steps | 1 | MTL |
| 60-10-5430 | > | | Diamondback 19" rear step | 1 | MTL |
| 60-10-6000 | | | Extruded rub rail | 1 | MTL |
| 60-11-0300 | > | | Front left side compartments full height | 1 | MTL |
| | | | E | | |
| 60-11-0700 | > | | Front right side compartments full height | 1 | MTL |
| | | | E | | |
| 60-11-1000 | > | | Rear left side compartments full height | 1 | MTL |
| | | | E | | |
| 60-11-1400 | > | | Rear right side compartments full height | 1 | MTL |
| | | | E | | |
| 60-11-2000 | > | | High side compartment (over 18") each | 4 | MTL |
| 60-11-3100 | | | No rear compartment | 1 | MTL |
| | | | E | | |
| 60-11-5500 | | | Rollup door - standard height | 4 | MTL |
| 60-11-5520 | | | Rollup door - full height | 4 | MTL |
| 60-11-5655 | U | | Amdor pull styrops - Flex - HD | 8 | |
| 60-31-4100 | | | Extruded aluminum handrails | 1 | MTL |
| 60-31-55AA | U | | Lighted folding steps with gasket - for rear and front end | 1 | |
| 60-31-5600 | S | | Grab handles at front of body next to pump panel | 1 | MTL |
| 60-31-5800 | S | | Intermediate step over rear dump | 1 | MTL |
| 60-31-6500 | | | Compartment matting-Turtle tile | 1 | MTL |
| 60-31-8000 | | | BA bottle compt (ea)-fender well | 4 | MTL |
| 60-31-8200 | > | | Sliding vertical tool board | 1 | MTL |
| 60-31-8400 | | | Fixed vertical partition | 1 | MTL |
| 60-31-8800 | > | | Sliding tray (ea) - 600 pound capacity | 4 | MTL |
| 60-31-9600 | > | | Adjustable shelf (ea) | 8 | MTL |
| 60-32-3550 | | | Two adjustable hose divider (each) | 1 | MTL |
| 60-32-7500 | | | Hose bed - aluminum | 1 | MTL |
| 60-33-0000 | | | Paint exterior - Imron Elite | 1 | MTL |
| 60-33-0200 | | | Undercoat vehicle with KROWN rust protection | 1 | MTL |
| 60-33-0600 | S | | Chassis wheels not painted - aluminum wheels | 1 | MTL |
| 60-33-1000 | | | Paint pump and plumbing job colour | 1 | MTL |
| 60-33-1500 | | | Buffed finish compartment interior | 1 | MTL |
| 60-33-2200 | | | Lettering - 80 letters up to 3" tall - 3 colour | 1 | MTL |
| 60-33-3000 | | | Reflective stripe - 4" white | 1 | MTL |
| 60-33-3310 | | | Reflective stripe - red and yellow chevron at rear | 1 | MTL |
| 60-33-4600 | | | Aluminum cover over crosslays - with end tarps (black) | 1 | MTL |
| 60-33-50AA | U | | Four piece hose bed cover | 1 | |
| 60-40-1000 | S | | 2-1/2" Hose tray - through water tank | 2 | MTL |
| 60-40-4500 | S | | 6" Hose tray - side mount (ea), provision for low level strainer | 2 | MTL |
| 60-40-9000 | S | > | Tube mount for ladders/pike pole storage, with rear door | 1 | MTL |
| 60-41-9500 | S | > | Zico Horizontal Access system (one for ladders, one for PTank) | 2 | MTL |

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|------------|---|----------|---|-----|-----|
| 60-41-9510 | | | ZICO HLAS switched at rear above tail light | 2 | MTL |
| 60-91-0800 | U | | Swing out tool board | 1 | |
| | | | INSTRUMENTATION | 1 | MTL |
| 70-11-0000 | | | Warning Label on Pump Operator's Panel | 1 | MTL |
| 70-11-0500 | | | Side mount instrument panel | 1 | MTL |
| 70-11-1500 | | | Stainless steel instrument panels | 1 | MTL |
| 70-11-3200 | | | Colour coded tags | 1 | MTL |
| 70-11-4100 | | | Stainless steel side panel hood left side | 1 | MTL |
| 70-11-4500 | | | Diamondback grip type panel hood step right side | 1 | MTL |
| 70-11-5100 | | | Open storage at rear top of pump house | 1 | MTL |
| 70-11-52AA | U | | Doors on each end of area behind crosslays, cover over dunnage | 1 | |
| 70-11-5500 | | | Right side tread plate pump access door | 1 | MTL |
| 70-11-7500 | | | Heat pan-aluminum | 1 | MTL |
| 70-11-8000 | | | Heater in pump compartment | 1 | MTL |
| 70-20-1500 | | | 2-1/2" pressure gauge - dual face 0-600 | 10 | MTL |
| 70-20-2500 | | | Primer control | 1 | MTL |
| 70-20-3100 | | | Class One Governor Control | 1 | MTL |
| 70-20-3500 | | | Electric water level gauge on pump panel, Class One | 1 | MTL |
| 70-20-6500 | | | Test gauge panel | 1 | MTL |
| 70-20-7500 | | | Heat exchanger control valve | 1 | MTL |
| 70-21-1500 | S | | Electric Foam Level gauge on pump panel, Class One | 1 | MTL |
| 70-21-2100 | | > | PTO Hourmeter | 1 | MTL |
| 70-21-5500 | S | | Panel readout for Battery Conditioner | 1 | MTL |
| 70-99-05AA | U | | Air horn switch per 20-99-05AA | 1 | |
| | | | ACCESSORIES | 1 | MTL |
| 80-11-50AA | U | | 6" x 15' lightweight suction hose (ea) | 2 | |
| 80-12-4500 | | > | 6" low level strainer with 1-1/2" venturi connection | 1 | MTL |
| 80-13-05AA | U | | Composite dead blow mallet | 1 | |
| 80-13-1500 | | | Bar with bracket | 1 | MTL |
| 80-13-2500 | | | Pike pole, fibreglass handle - 10' long | 2 | MTL |
| 80-14-0500 | | | 24' 2 section extension ladder PEL 24 | 1 | MTL |
| 80-14-6000 | | | 16' aluminum roof ladder PRL-16 | 1 | MTL |
| 80-14-8500 | | | 10' aluminum folding attic ladder FL-10 | 1 | MTL |
| 80-14-9000 | | | Attic ladder bracket (Zico) | 1 | MTL |
| 80-18-0600 | S | | SCBA brkt w/strap - ZICO ULLH - Mount in chassis cab | 4 | MTL |