



Shop Order

Carrier Truck Center Inc,
 O/A Carrier Centers
 645 Athlone Place
 Woodstock, ON N4S 7V8

The Corporation of the Town of Georgina
 26557 Civic Centre Road
 Keswick, ON L4P 3G1

<p>Sales Rep: Gordon Green Metalfab Ltd.</p> <p>Drawing #: FT-10986 Est. Delivery Date: / / Customer PO #: 17407 Customer #: 1560 QPF #:</p>	<p>Terms: Chassis, Body and Equipment Net 30 days after pickup at Metalfab</p> <p>Penalty: None. Delivery not more than 330 days from receipt of Order (PO dated Nov 9.2017)</p>
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Quote No: E-Georgina-ON-0023
Job/Order No: 20000
 11/14/2018

PART NO	QTY	DESCRIPTION
	1	== Metalfab Pumper - ULC 05/13 - 0.000 ==
	1	CHANGE ORDER E
00-10-1500	1	Metalfab Pumper E
00-20-1000	1	Company Profile E
00-20-1500	1	Standard Body Warranty
00-20-1550	1	Metalfab Limited Ten (10) Year Paint and Corrosion Warranty
00-20-1600	1	Waterous Pump Warranty - 5 years
00-20-1800	1	Polypropylene Tank Lifetime Warranty
00-20-2100	1	Plant Inspection Visits - Costs covered by CCEV
		There will be two (2) members of the fire department present for each meeting or inspection required.
		1. Chassis Inspection at the chassis manufacture
		2. Final inspection
00-20-3000	1	No Bonding Requested
00-20-3500	1	Certification for Fusion Welding of Aluminum
00-20-4000	1	Quality System registered to ISO 9001:2008
00-20-4500	1	Fire Apparatus Manufacturers' Association Membership
	1	GENERAL INFORMATION
10-11-0000	1	Intent E
10-11-0110	1	Vehicle data recorder included with chassis
10-11-1101	1	ULC S515-13 and NFPA 1901-2016 Compliance E
10-11-1500	1	ULC Testing - Pumper
		Tested and plated for 6000 liters per minute
10-11-2100	1	Maximum length not specified E
10-11-2200	1	Maximum height not specified E
10-11-2400	1	Overall length is 30' or more
10-11-2500	1	General Construction
10-11-2600	1	Preconstruction Meeting - Costs covered by CCEV
		Pre-construction meeting shall be held at the Town's site.
10-11-3000	1	Manuals - two copies
		***Two copies of chassis manuals are required.

PART NO	QTY	DESCRIPTION
10-11-3600	1	Delivery - FOB Fire Department - by CCEV
10-11-4300	1	Payment Terms - Chassis NET 10, Body and Equipment COD Terms changed to Chassis Net 10 days from receipt at Metalfab; Body and Equipment COD upon receipt at Fire Department
10-20-1400	1	Hose capacity exceeding ULC/NFPA requirements The hose bed shall accommodate 1000' of 4" hi-vol hose. ***The weight of the extra hose over the ULC required hose is 890 lb.***
10-20-2000	1	Equipment carrying capacity - standard ULC Pumper
20-11-1000	1	CHASSIS INFORMATION Chassis supplied by Metalfab - Spartan Metro Star MFD 10" R Roof 69,500 lb GVW 21,500 lb front axle 48,000 lb rear axle 238" Wheelbase 184" Cab to axle Single color PPG FBCH 75380 Red 12 volt Multiplex wiring with single Vista IV touch screen left side Cummins L9 400 HP @ 2100 rpm, 2200 governed rpm, 1250 Ft/lb torque at 1400 rpm Allison 3000 EVS automatic transmission, 270 Amp alternator 68 US gallon fuel tank Polished aluminum wheels and trim (trim shipped loose) Painted steel front bumper Auxiliary manual cab tilt pump ***Pendant to be stored in the Pump compartment*** Jackshaft for pump - Dimensions to center of pump from front and rear axle center lines: Front - 88.5" Rear - 149.5" Waterous gear box drop - "C" Gear box ratio - 2.27
20-11-1500	1	2013 Emission chassis modifications
20-11-1700	1	Chassis Motor Vehicle Inspection required - ON - by CCEV
20-21-0500	1	Fluid capacity plate
20-21-0600	1	Pumping test plate
20-21-1040	1	Maximum riders sign - 5 persons
20-21-1510	1	Seat belt warning labels - 4 door chassis
20-21-1520	1	Helmet warning label - do not wear helmet
20-21-1540	1	Tire Pressure Indicators - Tandem Axle
20-21-1600	1	Apparatus Information Label An information label is provided in the chassis cab, visible to the driver, stating: "When manufactured, this vehicle was: ** m high ** m long ** kg GVW Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"
20-21-2000	1	Non removable key
20-21-2500	1	Shifter lock not required E
20-21-3500	1	Rear step warning label
20-21-3810	1	Front mudflaps provided with chassis E
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-21-4500	1	Transportation Safety Kit Basic First Aid Kit Safety Triangle 5 pound Fire Extinguisher
20-31-0100	1	Fuel tank or step covers not required
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only
20-31-1900	1	Chassis cab painted by the chassis OEM - single color Red

PART NO	QTY	DESCRIPTION
20-31-7505	2	Rubber glove box holder - dispenser There will be two (2) rubber glove box holder - dispenser supplied and installed. They will be installed on the side of the medical cabinet located behind the officer seat. They will be installed ahead of the shoreline outlet (20-51-6200).
20-41-0600	1	Intake air shutoff for engine not requested
20-41-0900	1	Auxiliary braking system disabled when pumping
20-41-1100	1	Transmission programming - Allison WT ***Includes "Pump Engaged" light next to pump shift on chassis instrument panel.
20-41-1500	1	Extend exhaust pipe - RS front of rear wheels E Engineering to specify exhaust pipe material as required by the chassis manufacturer. Engineering to sign off on the exhaust configuration to make sure it meets the chassis manufacturer's emission specifications.
20-41-1900	1	Battery boost terminals with chassis E
20-41-2000	1	Chassis batteries remain in OEM location
20-41-2560	1	Fuel fill at LS rear fender well with SCBA style door E
20-41-2600	1	Chassis fuel tank remains in OEM location
20-41-5010	1	Rear Tow Hooks - through rear of body E
20-51-0700	1	Master Battery Disconnect included with chassis
20-51-2500	1	Back up alarm included with chassis
20-51-3400	1	Protection valve installed for air operated accessories
20-51-4000	1	Auto eject for air inlet - LS Install auto eject next to shore line eject provided with chassis. Add a check valve in this line to prevent air leaking if auto eject fails.
20-51-6200	1	120 volt 20 A shore line connection in chassis cab Standard 5-20R duplex receptacle in chassis cab, not fused Include a power bar located on slanted back wall of engine tunnel SOPT 1072 The outlet will be installed on the side of the medical compartment behind the officer seat (20-99-0010) behind the medical glove box holders (20-31-7505)
20-51-7102	1	Electric System Management included with chassis - VMUX
20-51-9001	1	Air horns and controls with chassis Both air horns will be installed in the front right side of the bumper.
20-52-3500	1	Chassis steering wheel lined up by Metalfab E
20-52-4003	1	Installation of rearview camera when supplied with Spartan chassis SOPT #1056
20-60-0400	1	Chassis wheelbase does not change
20-90-1810	1	Extend air tank moisture ejectors to rubrail and label SOPT #507
20-99-0011	1	Medical compartment in place of rear facing RS 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, interior lights and have Zolatone finish. A drawing will be submitted for department approval before the build.
20-99-0020	1	12 volt power in covered junction box on back of engine tunnel SOPT 164
20-99-10AA	1	Compartment in cab behind engine tunnel There shall be a sanded aluminum compartment installed behind the engine tunnel. The compartment shall include one (1) shelf and have a mesh cover. SOPT in file - truck specific The top portion of the compartment will be flush with the top of the dog house and extend 17" deep x 39-1/4" wide (same width as the dog house). There will be a small lip on 3 sides

PART NO	QTY	DESCRIPTION
		of the top to prevent items from sliding off. The compartment will be 17-1/2" high and the bottom of the compartment will be as deep as the slant of the dog house allows. A drawing will be submitted for department approval before the build.
	1	PUMP AND PLUMBING
30-12-4000	1	<i>Mechanical seals for Waterous pumps</i>
30-12-6500	1	<i>Waterous CSU single stage 1500 IGPM</i> Tested and plated to 6000 Liter per minute. ***Special order pump for a narrower than standard pump panel so that the Piston intake valves 80-99-05AA and 80-99-06AA can be left mounted to the steamer ports with enough clearance that roll up door can opened and closed.
30-15-0204	1	<i>Plumbing - Waterous manifold pump SM SS E</i>
30-20-0500	1	Valves and controls - side mount panel
30-20-1002	1	<i>Akron valves specified</i>
30-20-1600	1	<i>Piping stainless steel - general</i>
30-20-1699	1	<i>Swing type bleeder handles</i> P/N 1551298 Trident # 30.045.1 SOPT #1077 - Truck Specific
30-20-1700	1	<i>1-1/2" thread specifications - NPSH</i>
30-20-1800	1	<i>2-1/2" thread specifications - CSA</i>
30-20-2000	1	<i>Piping hydrostatic test</i>
30-21-5560	1	<i>Tank to Pump SS 3" w/ check valve manifold pump</i>
30-22-1520	1	<i>Tank Fill valve 2-1/2" SS</i>
30-31-4010	1	<i>Suction - 6" not gated each side manifold pump</i>
30-32-7535	1	<i>Suction - 2-1/2" left side SS, bleeder, Waterous manifold pump</i>
30-40-2025	1	<i>4" right discharge SS, bleeder, plumbed 3", Waterous manifold pump, slo close</i>
30-40-2599	1	<i>4" rear discharge SS, 3" Akron valve and piping, bleeder, slo close</i> SOPT #305 - Truck Specific
30-41-2025	1	<i>2-1/2" RS discharge SS, bleeder, Waterous manifold pump</i>
30-41-2525	2	<i>2-1/2" LS discharge SS, bleeder, Waterous manifold pump</i>
30-44-0720	2	<i>1-1/2" speedlay (each) front of pumphouse SS, plumbed 2"</i> Capacity for 200' x 1-3/4" in each lay. Located over the 2-1/2" speedlay as shown on the proposal drawing
30-44-3588	1	<i>2-1/2" Speedlay front of pumphouse, SS, bleeder</i> Capacity for 200' x 2-1/2" hose and nozzle. Located under the 1-1/2" speedlays as shown on the proposal drawing SOPT #732 - Truck Specific
30-44-6520	1	<i>Piping for monitor SS, plumbed 3", bleeder, slo close</i> There shall be one (1) 3" discharge plumbed to the upper part of the apparatus above the pump module complete with Akron 8830 series 3" slo-close valve and terminating with 3" victaulic plumbed to a 12" TFT Extenda Gun XG12VL-PL (reference 80-99-35AA) which terminates with a 3" NPT pipe thread. This Extenda Gun shall be secured with a bracket set XGB-33 and equipped with a Task Force Tips Hurricane monitor TFT XFI-PLNJ with MST - 4NJ stacked tips (ref 80-99-07AA).
30-51-0500	1	<i>Pump shift-Midship air</i> ***Includes "Pump Engaged" and "OK to Pump" indicator lights on chassis instrument panel ***Includes "Throttle Ready" indicator light on Pump operating panel
30-51-0700	1	Pump Gearbox mounted manual over ride for pump shift E
30-51-6640	1	<i>Class One "TPG Plus" Governor/Throttle</i>
30-51-7000	1	<i>Suction side relief V/V, manifold pump</i>
30-51-7711	1	<i>Trident air primer 3 barrel single location</i>
30-51-8100	1	<i>Heat exchanger included with chassis</i>

PART NO	QTY	DESCRIPTION
30-51-8500	1	<i>Pump cooler with control valve, check valve</i>
30-51-90AA	1	<i>Waterous Thermal Relief valve (OPM) Overheat Protection Manager SOPT #844</i>
30-52-1000	1	Master drain V/V, 12 port
30-52-3001	1	Foam system not requested E
1	WATER AND FOAM TANKS	
40-11-2100	1	<i>Polyproylene water tank (Imperial gallons)</i>
40-11-2200	1	Water tank capacity certification (tank manufacturer)
40-11-7500	1	<i>Tank capacity 2500 Imperial Gallons</i>
40-21-0500	1	<i>3" tank to pump connection</i>
40-22-1000	1	<i>2-1/2" tank fill connection</i>
40-23-0500	1	<i>1" water level gauge connection</i>
40-23-1050	1	<i>4" Fireman's Friend connection</i>
40-23-1060	1	<i>10" Newton dump connection</i>
40-30-0500	1	<i>Sump drain valve (3" gate valve) with linkage E</i>
40-30-1100	1	<i>Water Fill Box middle left side</i>
40-31-3500	1	<i>10" rear Newton dump, stainless steel</i>
40-31-4710	1	<i>Newton dump, top mount manual operation - Stainless Steel</i>
40-31-5610	1	<i>SS Swivel dump chute (Rotating with lock) c/w telechute SOPT #2</i>
40-31-9000	1	<i>4" Storz rear fill, Fireman's Friend</i>
40-99-0011	2	<i>12" Polished stainless flip down chute for telechute</i> Manufacture and install a flip down chute at the end of the telescoping dump chute to add 12" to length of chute, flips over to nest on top of the chute when stowed - see SOPT. One will be installed on the truck and the second will be shipped loose for an existing unit.
1	ELECTRICAL	
50-11-0400	1	<i>Base electrical system - Spartan multiplex</i> Spartan supplied Vista IV touchscreen display shall control the emergency and work lights. Ground lights will be controlled by the park brake like the body ground lights where there isn't a rocker switch supplied with the Spartan chassis. Program so all running lights (headlights, tail lights, clearance lights) come on when starting rather than just the daytime running lights
50-11-0600	1	<i>Warning Light Certification</i> In File - combination Whelen upper level front with the remainder being Tecniq lighting.
50-11-0700	1	<i>Low Voltage Electrical system test</i>
50-11-0800	1	<i>Low Voltage Electrical System Documents</i> As required by ULC and NFPA standards
50-11-2500	1	<i>Siren and speaker with Spartan chassis</i>
50-11-6110	1	<i>Whelen light bar included with chassis</i> Cab Front Lightbar - Whelen Freedom F4N72QLED 6Red 2Clear w/Opticom 1 Red Steady burn left hand inboard ***Will need NFPA Lighting Certification documents from Tecniq for the mix and match of Lighting manufacturers.
50-11-6610	1	<i>Rear LED Traffic Advisor warning lights - flush mount</i> TAL85 Control to be mounted adjacent to the siren control in cab
50-11-8001	1	<i>Rear beacons not required E</i>
50-12-8000	1	<i>Additional body side intersection light not required</i> Distance between front and rear side intersection light does not exceed 25'

PART NO	QTY	DESCRIPTION
50-12-85AA	1	Front flashers, intersection lights included with chassis, Tecniq K60
50-12-86AA	1	Rear LED flashers (pr) - Tecniq K90 LED red / blue flashing lights The upper right red light is Model K90-RR00-1 with K90-1C00-1 chrome bezel and the upper left side blue light is Model K90-BB00-1 with K90-1C00-1.
50-12-88AA	1	Body side inter lts (pr) -Tecniq K60 LED blue flashing lights Model K60-BB00-1 with K60-1C00-1 chrome bezel
50-12-88BB	2	Body side inter lts (pr) - Tecniq K90 LED red flashing lights Model K90-RR00-1 with K90-1C00-1 chrome bezel
50-21-5100	1	Compartment lighting - LED tube lights in each compartment (rollup doors)
50-21-5500	1	Door Ajar warning light Warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-8001	1	Step lights for body steps - LED to illuminate rear step/platform to meet ULC
50-21-8201	1	Step lights for chassis steps - LED - included with the Spartan chassis
50-21-8600	1	LED clearance lts and reflectors
50-21-8605	1	CPI License plate holder with LED lighting SOPT #18
50-21-8800	1	LED intermediate turn signal/clearance/reflector length >30'
50-22-075A	1	Whelen CAST 4V tail/brake-turn-backup-warning module (pr) Tecniq K60 lights Red flashing light - K60-RR00-1 Red tail/brake light - K60-STR0-1 Amber turn light - K60-A3S0-1 Back up light - K60-WBU0-1 All mounted in the CAST 4V housing
50-31-60AA	4	Scene Lights (pr), LED Tecniq K90 Model K90-SW00-1 with chrome bezel K90-1C00-1 Switched in cab as Left scene (3), Right Scene (3) and Rear scene (2) SOPT 39d - Truck specific
50-31-6505	1	Cab ground lighting included with chassis - Switched by park brake
50-31-6570	1	Ground lighting (LED Lumabar) - side mount body Switched by park brake
50-31-6595	4	12" LED luma bars under each lower side compartments Switched by park brake SOPT #590
50-99-0020	1	LED clearance lights on upper sides of body Install LED amber clearance lights upper front corner each side Install LED amber clearance lights upper middle each side Install LED red clearance lights upper rear corner each side
50-99-10AA	1	Hose bed cover lighting - LED to meet ULC 40" LED lumabars (4 total) Switched by park brake SOPT #209
50-99-16AA	1	LED lighting for rear access ladder 20" LED lumabars (2 total) Switched by park brake SOPT #1044
51-31-4500	1	Dielectric strength test for line voltage system
	1	BODY

PART NO	QTY	DESCRIPTION
60-10-1600	1	Tandem axle extruded aluminum body
60-10-4100	1	No "beavertail" rear step supports
60-10-4600	1	Painted fender surround E
60-10-4760	1	Removable polished aluminum fender trim - tandem axle Polished aluminum to match cab fender trim
60-10-477A	1	Price Adjustment
60-10-5400	1	Diamondback pumphouse steps
60-10-5430	1	Diamondback 19" rear step
60-10-6500	1	Bolt on extruded aluminum rub rail E Extruded rub rail shall be bolted to the body with nylon spaces so as to permit ease of cleaning. The rub rail shall be fitted with reflective red and white striping.
60-11-0300	1	Front left side compartments full height E
60-11-0700	1	Front right side compartments full height E
60-11-0800	1	Rear left side compartment to top of wheel well
60-11-1100	1	Rear right side compartment to top of wheel well
60-11-3100	1	No rear compartment E
60-11-5500	2	Rollup door - standard height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5520	2	Rollup door - full height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5530	2	Rollup door - to enclose pump panel Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5640	1	Drip trays with drains for roll up doors Drip trays complete with drain tubes. Drain tubes shall exit the compartment as high as possible and routed between the compartment wall to drain to the ground.
60-11-5660	4	Amdor pull straps - Flex HD Include with door order Metalfab part number - 1003068 Amdor part number AY-9355-36 For door opening height of 49" to 70" Installed on the following doors Left side pump compartment Left side front compartment Right side pump compartment Right side front compartment SOPT #1114 - Truck Specific
60-31-4100	1	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface
60-31-5000	1	Zico access Ladder at rear of unit Minimum 7" clearance between rung and any obstruction. The ladder shall be equipped with a sealed proximity switch advising if the ladder has been left deployed when the parking brake is disengaged. The switch shall be integrated to the "DOOR AJAR "circuit.
60-31-5500	1	Step at rear of body (folding) w/LED lights Maximum height between steps is 18" Located on right rear of body as shown on the proposal drawing. Switched with park brake. One (1) required

PART NO	QTY	DESCRIPTION
60-31-5800	1	Full width intermediate rear step The rear step shall be eight (8) inches in depth and shall span the entire width between the Zico access ladder to the ladder storage tube as shown on the proposal drawing. The step shall be constructed of "Diamondback" grip material spaced away from the back with a nylon washer to allow easier removal and cleaning.. The step shall be mounted on the flat back of the apparatus with gusset-type mounting to provide sufficient support for loading and deploying hose and for gaining access to the hose bed area.
60-31-6500	1	Compartment matting - Interlocking tile
60-31-8003	3	Double SCBA Cylinder storage compartments (ea) 1" nylon safety loop required Door ajar switch required SOPT #820a - Truck Specific The bottle dimensions will be 24-1/4" long x 7-1/4" wide and with a circumference of 22-1/2".
60-31-8800	1	Sliding tray (ea) - 600 pound capacity ***Hardware requires 3-1/2" of compartment height Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Locate in front right side compartment R1
60-31-9600	6	Price Adjustment
60-31-9600	4	Adjustable shelf (ea) Reflective stripe is applied on the exposed edge for visibility when the compartment door is open Shelf #1 - Left side front compartment - shallow depth - welded corners to do width of shelf Shelf #2 - Left side front compartment - shallow depth - welded corners to do width of shelf Shelf #3 - Right side front compartment - shallow depth - welded corners to do width of shelf Shelf #4 - Right side front compartment - shallow depth - welded corners to do width of shelf
60-32-3550	1	Two adjustable hose dividers and one fixed divider in center to support HB Cover Hand hold required in end Front partition required at front of hose bed
60-32-36AA	1	Cover at front of hose bed There will be a hinged cover installed over the front portion of the hose bed ahead of the hose bed covers 60-33-50AA. The cover will be hinged towards the pump house, will have an LED light under it and be tied to the door ajar circuit 50-21-5500.
60-32-7500	1	Hose bed - aluminum The hose bed shall accommodate 1000' of 4" hi-vol hose. The hose bed slats will cover the entire length of the hose bed and the area ahead of the fixed front partition.
60-33-0000	1	Paint exterior - Imron Elite *** Paint code and colour red to match cab
60-33-0200	1	Undercoat vehicle with KROWN rust protection
60-33-0600	1	Chassis wheels not painted Aluminum wheels
60-33-1000	1	Paint pump and plumbing job colour
60-33-1500	1	Buffed finish compartment interior
60-33-2300	1	Lettering and special graphics as directed by the Customer Town crests for the front doors of the chassis shall be provided and install by the Town. A Canadian flag shall be installed on the compartment doors behind the rear wheels. Additional lettering shall be installed on the completed apparatus. The graphics design shall be confirmed at a pre-construction meeting.
60-33-3300	1	Reflective stripe - 1" - 4" - 1" red on Amdors, white remainder 50% of perimeter each side and 25% of perimeter front

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		<p>The stripe will be configured with a 1" stripe above and below the main 4" stripe. The stripe will be white on the chassis cab, red on the compartment doors and white on the remaining apparatus body. The stripe will incorporate a diagonal (hockey stick) section on the L1 / R1 doors.</p>
60-33-3320	1	<p>Rear and front bumper chevrons - Diamond grade reflective There shall be diamond grade retro reflective chevron striping applied to the rear of the apparatus as well as the front bumper and rear wall of cab. The retro reflective chevron striping shall be red and yellow in color. SOPT 300a - Truck Specific ***Discuss at the Pre-construction meeting re the chevron on the back of cab, as it will be mostly hidden by front of body</p>
60-33-50AA	1	<p>Four piece hose bed cover w/fixed center divider There shall be a four (4) door aluminum embossed diamond plate cover for the hose bed furnished and installed. There shall be a permanently mounted hose bed divider located in the center of the hose bed to support the covers when they are closed. Each cover shall be reinforced and be capable of supporting 400 lbs while standing on cover. Each cover shall be capable of being opened independently. The rear of the hose bed shall have a red folding vinyl flap that is held in place by an elastic shock cord. There shall be a mechanical hold open device to hold each cover in the open position. The hose bed covers shall extend over the tank fill and leave the fill open when the doors are closed. The hose bed covers shall be fabricated of embossed aluminum diamond plate to comply with the NFPA standards for a "slip resistance" surface. SOPT #495 - Truck Specific</p> <p>***NOTE: Under ULC and NFPA these hose bed covers are NOT a walking surface and shall be labelled as such "Do not step or stand on this surface"</p>
60-40-5500	2	<p>Suction hose tube (each) with door Integral with ladder tube and portable tank tube as shown on the proposal drawing to store 80-11-5000 6" x 10' suction hoses.</p>
60-40-9000	1	<p>Tube mount for ladders, with rear door The ladders shall be stored within a compartment located beside the booster tank on the right side. All items shall be stored in their own independent section to allow one item to be removed without disturbing another. There shall be polypropylene slide angles installed in each section where applicable, to support the ladders and allow ease of removal. There shall be a stop in the front of each section to prevent the items from sliding forward. There shall be a vertically hinged smooth aluminum door on the rear of the compartment with two push button type latches and a chrome handle centered between the push button latches. The compartment shall be enclosed to the pump house incorporating a removable weatherr resistant end cap, providing access for serviceability, drainage and cleaning. The following ladders shall be installed: 80-14-05AA - 24' 2-section Duo Safety extension ladder 80-14-5510 - 14' Duo Safety roof ladder 80-14-8510 - 10' Duo Safety attic ladder Door ajar switch required</p>
60-40-9500	1	<p>Tube for portable tank storage, with rear door The portable tank will be stowed in a compartment located beside the booster tank left side. The smooth aluminum door complete with chevrons shall be equipped with two (2) push button style latches and a chrome handle centered between the push button latches. The compartment store the 80-15-1010 3,000 USG portable water tank Door ajar switch required</p>

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60-41-1000	2	Pike Pole tube with door Integral with the ladder tube 60-40-9000 Two 2" diameter tubes will be installed for straight handled pike poles up to 14' in length
60-99-0010	1	Bracket for end of preconnected hi vol hose at rear Provide stainless angle with 4" Storz mounting bracket above the rear 4" discharge to allow connection of pre connected 4" hose in the hose bed. See SOPT
60-99-0020	1	Provide vertical unistruts in L2 rear LS compartment SOPT 271
	1	INSTRUMENTATION
70-11-0000	1	Warning Label on Pump Operator's Panel
70-11-0501	1	Side mount instrument panel with rollup door - both sides 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 ***See 30-12-6500 re the width of the pump house so Piston intake valves can be left installed on the steamer ports with enough clearance for roll up doors to be open and shut with no interferences. Pump panel layout was approved by Fire Department 10.03.2018
70-11-3205	1	Vision Mark color coded tags SOPT #180a
70-11-5100	1	Open storage at rear top of pump house Open storage only, no cover.
70-11-5500	1	Right side smooth aluminum plate pump access door No opening dimension less than 18" The smooth aluminum access door shall have a stainless steel hinge, dual point grey push button latches and a rubber seal provided to prevent excessive moisture from entering or leaving the pump house. The latch part # will be AH0003 1561737.
70-11-7500	1	Heat pan-aluminum
70-11-8000	1	Heater in pump compartment Switched on pump operators panel complete with an LED indicator light. The switch shall be of a weather resistant type and be labeled "PUMP HOUSE HEATER".
70-20-0500	2	4-1/2" compound gauge - dual face 0-400 To be within 8" of each other - edge to edge
70-20-1500	10	2-1/2" pressure gauge - dual face 0-400 Gauge to be no more than 6" from edge of the gauge to the center of the control.
70-20-3100	1	Class One Governor Control Throttle can be no lower than 42" and no higher than 72" from operator's standing position.
70-20-35AA	1	Electric water level gauge on pump panel, IV400 (Innovative Controls) Quote in the SOPT file (email to JGC Aug 18.2017)
70-20-6500	1	Test gauge panel Mount below the compound gauges for proper draining
70-20-7500	1	Heat exchanger control valve
70-20-7600	1	Pump cooler control valve
70-99-05AA	1	Whelen PS Tank bar on back of body only SOPT #263 The two on the cab are supplied by Spartan

PART NO	QTY	DESCRIPTION
	1	ACCESSORIES
80-11-5000	2	6" x 10' lightweight suction hose (ea) Tube mounted
80-14-05AA	1	24' two section extension ladder - Duo Safety Tube mounted SOPT #128 - Truck Specific
80-14-5510	1	14' roof ladder - Duo Safety Tube mounted SOPT #128 - Truck Specific
80-14-8510	1	10' Attic ladder - Duo Safety Tube mounted SOPT #128 - Truck Specific
80-15-1005	1	2500 l gallon portable tank - Husky (3000 US gallon) Husky Model ALF-3000 portable water tank with aluminum frame, red tank liner and drain sleeves. Tube mounted
80-18-0500	1	SCBA bracket with strap - compt mount Brand, model and location to be determined at the pre-construction meeting Brand - MSA Model - Firehawk Location - Lower portion of L1 compartment
80-99-05AA	1	TFT AP8NX-NX-PS 6"-6" straight piston intake valve Not mounted - ship loose. Customer will mount. SOPT 1233 - Truck Specific Ensure these will fit on the steamer ports with ample clearance between them and the pump house roll up door
80-99-06AA	1	TFT ABS3SP-NX 6"-4" Storz piston intake valve Not mounted - ship loose. Customer will mount. SOPT 1233 - Truck Specific Ensure these will fit on the steamer ports with ample clearance between them and the pump house roll up door
80-99-07AA	1	TFT Hurricane XFI-PLNJ 3" monitor with MST-4NJ stacked tips Installed on 80-99-35AA Extenda Gun SOPT 1233 - Truck Specific
80-99-30AA	1	Physio Control Lifepak 1000 Automatic Defibrillator Not mounted - ship loose. Customer will mount. SOPT #938
80-99-35AA	1	TFT 12" Extenda Gun Supply and install 12" TFT Extenda Gun XG12VL-PL with 3" victaulic inlet and 3" NPTM outlet on monitor piping 30-44-6520. Include bracket set XGB-33. See SOPT