



Shop Order

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

Cocagne FD

Sales Rep: Gordon Green Metalfab Ltd.	Terms: Chassis, body and equipment NET 30 days
Drawing #: FT-11113 (generic)	Penalty: \$100.00 per working day after 12 months of the Pre-construction meeting(January 12.2019)
Est. Delivery Date: / /	
Customer PO #: P106901819	
Customer #:	
QPF #:	

Quote No: PNB - Cocagne-0515
Job/Order No: WO # 20669
 12/12/2019

PART NO	QTY	DESCRIPTION
	1	== Metalfab Tanker - ULC 05/13 - 0.000 ==
	1	CHANGE ORDER E
00-10-1000	1	Metalfab Tanker E
00-20-1000	1	Company Profile E
00-20-1501	1	One year base warranty If the vehicle requires repairs at the Manufacturers facility or their Authorized Repair Facility, all costs including transportation costs to and from that facility, shall be the responsibility of the Manufacturer (for the warranty period).
00-20-1550	1	Metalfab Limited Ten (10) Year Paint and Corrosion Warranty
00-20-1700	1	Hale Pump Warranty - 5 years
00-20-1800	1	Polypropylene Tank Lifetime Warranty
00-20-2100	1	Plant Inspection Visits - five inspection visits for three representatives Up to five visits for three representatives - times and dates to be determined.
00-20-3000	1	No Bonding Required
00-20-3500	1	Certification for Fusion Welding of Aluminum
00-20-4000	1	Quality System registered to ISO 9001:2015
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
10-11-1600	1	ULC Testing - Tanker
10-11-2100	1	Maximum length - has been removed Maximum length has been removed as discussed with Roland Caissie and the Fire Department on 10.17.2019
10-11-2200	1	Maximum height - 120" (May vary among the six units)
10-11-2300	1	Overall length is less than 30'
10-11-2500	1	General Construction
10-11-2600	1	Preconstruction Meeting Held January 12.2019 in Fredericton, NB
10-11-3000	1	Manuals - three copies (2 hard copies, 1 electronic) Two (2) copies and one (1) electronic copy of complete operation and service manuals will

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		<p>be provided covering the completed apparatus (body and equipment) as delivered and accepted, including the pump, wiring diagrams, lubrication charts, and fire fighting equipment delivered with the apparatus. Chassis manuals are those supplied by the chassis manufacturer.</p> <p>Body manuals are to include a parts list and a recommended service and maintenance schedule.</p> <p>Body manuals shall also contain the following drawings:</p> <ul style="list-style-type: none"> • All electrical drawings; • Accessory mounting; • All drawings shall be ledger size - 11" x 17".
10-11-3600	1	Delivery - FOB Fire Department - minimum eight hours training
10-11-4300	1	Payment Terms - Chassis and Body NET 30
10-20-1200	1	Hose bed capacity - standard ULC Tanker
10-20-2200	1	<p>Equipment carrying capacity - standard ULC Tanker</p> <p>This vehicle is designed to carry the standard ULC miscellaneous equipment load of 1000 pounds for a Tanker.</p>
	1	CHASSIS INFORMATION
20-11-1000	1	<p>Chassis supplied by Metalfab - International HV607 450 HP</p> <p>International HV607 2 door</p> <p>44,000 lb GVW 14,000 lb front axle 30,000 lb rear axle</p> <p>207" wheelbase 139.90" cab to axle</p> <p>Cummins L9 450 HP @ 2100 rpm 2200 governed rpm</p> <p>1250 lb-ft torque @ 1400 rpm</p> <p>Maximum speed 110 km/hr</p> <p>Allison 3000 EVS automatic transmission, 5 speed, LH side opening for PTO installation</p> <p>325 Amp alternator</p> <p>189 litre fuel tank, 24" diameter, left side under cab</p> <p>Electronic stability program</p> <p>Tires to be dated within six (6) months preceding chassis manufacture date.</p> <p>Two 12 volt power points and one USB power point</p> <p>Flashing headlights</p> <p>Polished aluminum wheels c/w stainless nut covers, hub caps, high hats</p> <p>Single color - 2303 Red</p> <p>***May require extension cables/harness' so the switch packs and indicator light packs for Diamond Logic can be relocated to the center console 20-31-7500.***</p>
20-11-1500	1	2013 Emission chassis modifications
20-11-1700	1	<p>Chassis Motor Vehicle Inspection required - NB E</p> <p>Chassis is provided with a New Brunswick Motor Vehicle Inspection dated the month of delivery.</p>
20-21-0500	1	Fluid capacity plate
20-21-0600	1	Pumping test plate
20-21-1000	1	Maximum riders sign - 2 persons
20-21-1500	1	Seat belt warning labels - 2 door chassis
20-21-1520	1	Helmet warning label - do not wear helmet
20-21-1530	1	Tire Pressure Indicators - Single Axle
20-21-1600	1	<p>Apparatus Information Label</p> <p>An information label is provided in the chassis cab, visible to the driver, stating:</p> <p>"When manufactured, this vehicle was:</p> <p>** m high</p> <p>** m long</p> <p>** kg GVW</p> <p>Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"</p>
20-21-2000	1	Non removable key
20-21-2500	1	Shifter lock not required E

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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
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only
20-31-0500	1	Alum tread fuel tank trim, Conv - 2 door Vertical trim only, OEM cab steps remain
20-31-3000	1	Paint conventional cab two tone w/painted white stripe The top of the hood and roof will be painted white by Metalfab. Department to approve the paint line prior to paint. There will be a painted white stripe to match their existing unit. See pictures in F:\Data\Jacques\Current Projects\Cocagne
20-31-7500	1	Console in cab Install switch panel (50-11-0900), siren (50-11-14AA), door ajar light (Diamond Logic with chassis), Equipment rack not stowed warning light (Diamond Logic with chassis), switch for On Spot chains (20-41-5500), Signal Master control (50-11-7600), radio provisions (50-35-0500), Velcro strip for the wireless Visibeam control (50-21-3088), PTO hour meter (70-20-2100), and pump PTO shift (30-51-1500) in console. Storage area with hinged cover and lift and turn latch provided at rear of console. Gray Zolatone finish ***Layout to be confirmed at the Pre-construction meeting***
20-41-0600	1	No intake air shutoff for engine
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.
20-41-1801	1	Battery boost terminals not required - batteries accessible
20-41-2000	1	Chassis batteries remain in OEM location
20-41-2510	1	Fuel fill at step fuel tank under cab
20-41-2600	1	Chassis fuel tank remains in OEM location
20-41-5100	1	Rear Tow Hook - pintle hook E On rear of body under dump line
20-41-5500	1	ON SPOT Automatic traction chains Control to be on the 20-31-7500 console within easy reach of the driver.
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
20-51-3500	1	Air outlet Located on left side pump panel
20-51-4000	1	Auto eject for air inlet - LS Located on left side pump panel
20-51-6200	2	120 volt 20 A shore line connection in compartment Standard 5-20R duplex receptacle in chassis cab, not fused Location: Outlet #1 - L1 compartment Outlet #2 - R1 compartment
20-51-651A	1	kusssmaul AutoCharge 2000 Dual Battery conditioner w/saver Battery conditioner mounted behind console/drivers seat. Auto Eject and readout located on left side pump panel

PART NO	QTY	DESCRIPTION
		The second circuit will be wired in series to charge the Pump(s) in compartment L1 and R1
20-51-7101	1	Electric System Management - Diamond Logic
20-51-7300	1	Low Voltage Alarm in cab - Diamond Logic
20-51-7500	1	Super Auto eject for 120 v - 20 A with sealed enclosure
20-51-8510	1	Engine compartment light - LED Switched by the park brake to match the Pumpers and as discussed at the pre-construction meeting of Jan 12, 2019
20-51-9000	1	Air horns on hood, lanyard at driver, momentary switch at officer A lanyard for driver and a momentary dash mounted switch for the Officer.
20-52-3000	1	Chassis steering wheel lined up by Richwil The chassis steering wheel will be straightened after the body and load is applied - prior to delivery to the customer.
20-52-4009	1	Pro-Vision Video System - Front, right, left, and rear view camera system - DVR Monitor to be mounted on dash inside cab Cameras mounted similar to Bath, NB M18-20025 Metalfab p/n 1530928 (ref PO #64470) SOPT #1247 - truck specific
20-60-0400	1	Chassis wheelbase does not change
20-90-1500	1	12 volt power point E Install on dash next to the two supplied with the chassis. To be powered to chassis batteries to be used as a charging outlet.
	1	PUMP AND PLUMBING
30-11-1000	1	Hale AP PTO pump - 420 IGPM
30-15-0304	1	Plumbing - non manifold pump SM SS E
30-20-0500	1	Valves and controls - side mount panel
30-20-1003	1	Elkhart valves Suction and discharge valves are Elkhart brand.
30-20-1610	1	Piping stainless steel - non manifold Tanker Schedule 10 stainless pipe is acceptable.
30-20-1700	1	1-1/2" thread specifications - NPSH All 1½" threads shall be NPSH with Red Head Storz adapter
30-20-1800	1	2-1/2" thread specifications - BAT/ATA Both 2-1/2" suction and discharge threads shall be BAT/ATA thread with Red Head Storz adapters.
30-20-18AA	1	Red Head Storz adapters to Customer's threads Adapters shall be supplied for all 2½" discharges and 2½" suction inlets including the SSRV discharge to adapt Red Head Storz fitting to fit Fire Department hoses complete with matching caps. (ref SOPT #46 - truck specific) Department shall supply thread specification of their existing hoses - BAT/ATA
30-20-2000	1	Piping hydrostatic test
30-20-2510	1	Anodes in suction and discharge piping - non manifold pump 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.
30-21-5520	1	Tank to Pump SS 3" w/ check valve non manifold pump 4" piping and check valve

PART NO	QTY	DESCRIPTION
30-31-3010	1	Suction - 4-1/2" not gated each side SS non manifold pump 6" header
30-31-5100	1	Suction - 4" SS piping to rear - handwheel control - 4.5" connection Bleeder and 4.5" threaded connection required.
30-31-7220	1	Butterfly valve handwheel control remote indicator light closed only
30-32-7550	1	Suction - 2-1/2" left side SS, bleeder, non manifold pump
30-41-2040	1	2-1/2" RS discharge SS, bleeder, non manifold pump
30-41-2540	1	2-1/2" LS discharge SS, bleeder, non manifold pump
30-43-1520	2	2-1/2" rear discharge SS, plumbed 2-1/2", bleeder ***One each side - right side will be foam capable
30-44-0520	2	1-1/2" crosslay (each) SS, 2" valve, bleeder The transverse hose bed is equipped with stainless steel rollers on each end for easier hose removal, the hose rollers shall be vertical and horizontal around the hose opening. The bottom of the crosslay area is lined with black turtle tile. The crosslay area shall be 14" wide with one (1) divider. This allows for each lay to carry two (2) stacks of 1 3/4" hose without overlap. Both Crosslays are Foam capable
30-51-0400	1	Pump shift - PTO Pump and Roll ***Includes "Pump Engaged" indicator lights in cab and on the pump panel. ***Includes "Throttle Ready" indicator light on Pump operating panel Includes indicator light in cab showing "OK TO PUMP" when transmission is in neutral, park brake is set, and PTO control energized. The remote electronic throttle will be energized in this mode. Includes indicator light in cab showing "OK TO PUMP AND ROLL" when the transmission is not in neutral, the park brake is not set, and the PTO control is energized. The remote electronic throttle will not be energized in this mode.
30-51-1500	1	Power shift PTO - Automatic transmission To drive the pump 30-11-1000.
30-51-1501	1	PTO driveshaft E
30-51-6700	1	FRC Pump Boss Governor/Throttle engine display The governor will be a FRC Pump Boss and will require pump intake and discharge pressure gauges where its not integrated into this unit.
30-51-7002	2	Suction side relief V/V, non manifold pump Requires 2-1/2" Red Head Storz adapter. Include Red Head Storz adapter to Customer's threads (ref 30-20-18AA)
30-51-7718	1	Trident Automatic Air Primer 3 barrel 1 location with gauge
30-51-7720	1	Additional air tank for air primer system An additional air tank is provided to improve air primer capacity
30-51-8100	1	Heat exchanger included with chassis
30-52-1000	1	Master drain V/V, 12 port
30-52-2000	1	Drain valve for foam system header
30-52-5510	1	Foam system-Hypro FoamPro 2001 Single Tank Foam system is plumbed to the two (2) crosslays and 2-1/2" rear (right side only) discharges
30-52-8100	1	Electric foam fill pump with panel pickup There shall be one (1) pump panel foam pick up connection for the foam tank, located on the right-side pump panel. Control for the foam fill pump shall be located on the right-side pump panel. Included will be a hose with the mating connection to the panel connection to allow filling from a ground level foam pail. The hose shall be stored inside the right-side pump access door on a bracket.

PART NO	QTY	DESCRIPTION
30-52-9100	1	Foam concentrate label at foam tank fill
30-52-9200	1	Foam System Instruction Plates
30-52-9400	1	NFPA Foam System certification test
30-99-15AA	1	3" Tank fill The tank fill valve will be 3" SOPT 240
	1	WATER AND FOAM TANKS
40-11-2100	1	Polypropylene water tank (Imperial gallons)
40-11-2200	1	Water tank capacity certification (tank manufacturer)
40-11-6500	1	Tank capacity 1500 Imperial Gallons
40-12-4500	1	Foam cell - 20 Imperial gallon
40-21-1000	1	4" tank to pump connection
40-22-1000	1	3" tank fill connection
40-23-0500	1	1" water level gauge connection
40-23-1000	1	1" foam level gauge connection
40-23-1040	1	4" direct fill connection
40-23-1060	1	10" Newton dump connection
40-30-0500	1	Sump drain valve (3" gate valve) with linkage E Located left side of tank so no interference with drive line or exhaust.
40-30-1200	1	Water Fill Box special location The fill box will be on the left side 40" from the front of the tank to limit water spillage as discussed with Roland Caissie and the fire department on 08.21.2019
40-31-3500	1	10" rear Newton dump, stainless steel
40-31-5500	1	Electric operator for Newton dump, top mount Switch is located on the left rear above the tail lights and flashing warning light. Provisions are made to allow manual operation of the dump line in the event of an emergency.
40-31-5520	1	Electric controls in cab and rear for dump chute There will be additional electric controls installed in the cab and the rear right side of the body to control the dump valve. There will be a guard on each to protect the switch from accidental activation. SOPT 555
40-31-5610	1	Stainless Steel dump with rotating chute and telechute SOPT #2
40-31-9010	1	4" Red Head Storz rear fill, Fireman'd Friend Right of dump line on rear, bleeder required. It will have the 5" Storz adapter and cap 40-99-05AA where the department does not use 4" hose.
40-99-05AA	1	5" Storz adapter and cap for 4" Gated Direct Fill There will be a 5" Storz adapter and cap installed on the 4" Direct Tank Fill 40-31-8000.
	1	ELECTRICAL
50-11-0450	1	Base electrical system - International Diamond Logic multiplex The instrument panel lights, engine compartment lights, rear step lights, ground lights and work lights shall be switched by the park brake.
50-11-0600	1	Warning Light Certification
50-11-0700	1	Low Voltage Electrical system test
50-11-0800	1	Low Voltage Electrical System Documents As required by ULC and NFPA standards
50-11-0900	1	Rocker switch panel with master warning switch ***Rocker switch assignments: MASTER -LIGHT BAR RED -REAR BEACONS

PART NO	QTY	DESCRIPTION
		-FLASHING WARNING -REAR FLOODS
50-11-1470	1	Whelen 200 Watt Siren - Model 295SLSC1 P/N 1570997 SOPT #954a
50-11-1630	1	Siren speaker, 200 Watt, in front bumper
50-11-2010	1	Federal Q2B mechanical siren - through front bumper ***Controlled by foot switch at both driver and officer positions. The siren will only be active with the emergency lights and will have a separate kill switch.
50-11-2600	1	Siren to be accessible to driver and officer
50-11-5812	1	Federal LPX53DS-NFPA lightbar Red only - all lights are enabled in both Response and Scene modes - flash pattern to change when park brake is set. SOPT #798
50-11-58AA	1	Federal lighting package
50-11-7600	1	Rear LED Signal Master warning lights Model SL8. Control will be located in the 20-31-7500 console.
50-11-9015	1	Rear Beacons, Federal NVG10 (pr), both red SOPT #1063 - truck specific
50-12-5028	1	Front LED flashers (pr)-red Federal QL43-RR
50-12-5118	1	Rear LED flashers (pr)-red Federal QL43-RR
50-12-5218	1	Front side inter lts (pr)-red LED Federal QL43-RR
50-12-5318	1	Body side inter lts (pr)-red LED Federal QL43-RR
50-21-1505	1	Unity LED Rear Floods (pr) These lights cannot be managed as they are required for ULC. SOPT #255a
50-21-2535	2	FRC telescoping Spectra LED 12-Volt flood (ea) SPA530-Q15-SW-NS-H One each side on front of front end. Lights are switched on the pump panel These lights can be managed to shed. Hazard switch wired to the equipment not stowed warning light in cab.
50-21-3088	1	Federal Signal Wireless Visibeam P/N 1031564 The rear portion of the light shall be shielded to avoid potential of light shining in driver's eyes. Shield is to be painted to match cab. The wireless control will be located on the console with a Velcro strip.
50-21-5110	1	Compartment lighting - LED tube lights in each compartment (flush doors) E
50-21-5500	1	Door Ajar warning light Included with the Diamond Logic indicator lights. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-5550	2	Equipment rack not stowed warning light For the PTS, LAS and the two Telights Included with the Diamond Logic indicator lights. Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"

PART NO	QTY	DESCRIPTION
50-21-8001	1	Step lights for body steps - 4" LED Switched with the Park brake
50-21-8200	1	Step lights for chassis steps - LED Switched when the Park Brake
50-21-83AA	1	LED lighting for rear step/platform Switched with the Park brake
50-21-8600	1	LED clearance lts and reflectors
50-22-0700	1	Whelen 64 LED tail/brake-turn-backup module (pr)
50-31-6550	1	Ground lighting (LED Lumabar) - 2 door chassis Switched with the Park brake
50-31-6570	1	Ground lighting (LED Lumabar) - side mount body Switched with the Park brake
50-31-65AA	1	Hose bed lighting - LED on front partition Switched with the park brake
50-31-7000	1	Work light for crosslay hose beds Switched with the park brake
50-35-0510	2	Provisions for Customer's mobile radio Provision for two (2) customer radios is provided in the chassis console 20-31-7500. 12-Volt power and ground is provided for these radios, powered directly from the battery, not through the master switch and fused for 30A. Customer to provide make, model and dimensions of the radio's so proper cutouts can be made. Radio #1 - Motorola APX 4500 Provincial TMR Radio #2 - Motorola XPR 2500 An ignition signal will be required There will be no antenna supplied and no cable run. This will be done by the fire department after the delivery.
50-35-0600	2	Price Adjustment
	1	BODY
60-10-1400	1	Single axle extruded aluminum body
60-10-4100	1	No "beavertail" rear step supports
60-10-4600	1	Painted fender surround E
60-10-4700	1	Integral aluminum fender trim
60-10-5400	1	Diamondback pumphouse steps
60-10-5430	1	Diamondback 19" rear step
60-10-6000	1	Extruded rub rail
60-11-0200	1	Front left side compartments intermediate height
60-11-0600	1	Front right side compartments intermediate height The front right side compartment will be deeper to allow the storage of the fire department supplied pumps.
60-11-0900	1	Rear left side compartments intermediate height
60-11-1300	1	Rear right side compartments intermediate height
60-11-1900	2	Low side compartment (up to 18") each
60-11-3100	1	No rear compartment E
60-11-4500	2	Flush mount aluminum door - single with "D" handle
60-11-5510	4	Rollup door - intermediate height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-31-4100	1	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface

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60-31-5000	1	Zico access Ladder at rear of unit Minimum 7" clearance between rung and any obstruction
60-31-5500	1	Steps at rear of body (folding) with LED lights - RS only Maximum height between steps is 18" The LS will have a Zico Access ladder
60-31-5600	1	Steps and grab handles at front of body next to pump panel Maximum height between steps is 18" There shall be two (2) hand rails each side, one (1) on the side of the pump house aft of the crosslays and one (1) vertical at the front edge of the body. Discuss exact locations at the Pre-construction meeting;
60-31-6500	1	Compartment matting-Turtle tile
60-31-8006	4	SCBA cylinder storage compartment (ea) -fender well There shall be a cushion installed at the base of each compartment tube to protect the bottles. Include loop to hold cylinder in place. Customer to specify diameter of cylinders to be stored and OA length Diameter - 6.75" OA length - 24"
60-31-8650	4	Price Adjustment
60-31-8660	6	Sliding tray (ea) - 500 lb capacity - lock in - lock out type Slide out trays are located in the following compartments at floor level: Tray #1 - Left side front compartment - half the compartment Tray #2 - Left side rear compartment Tray #3 - Right side front compartment - half the compartment and as deep as possible to hold the customer supplied portable pump Tray #4 - Right side rear compartment Tray #5 - Left side front compartment - half the compartment Tray #6 - Right side front compartment - half the compartment and as deep as possible to hold the customer supplied portable pump Reflective stripe is applied on the exposed edge for visibility when the compartment door is open. The following portable pumps will be carried in the front right compartment: Pump 1 - 30" wide x 25" high x 24" deep Pump 2 - 30" wide x 25" high x 26" deep The department has been advised that the trays in L1 and R1 will be 29" wide on 03.27.2019 due to the space required for the hardware.
60-31-9600	2	Price Adjustment
60-31-9600	4	Adjustable shelf (ea) Shelves are installed in the following compartments: Shelf #1 - Left side front compartment - full depth Shelf #2 - Left side rear compartment - shallow depth Shelf #3 - Right side front compartment - shallow depth Shelf #4 - Right side rear compartment - full depth Reflective stripe is applied on the exposed edge for visibility when the compartment door is open
60-32-3550	1	Two adjustable hose divider (each) Hand hold required in end
60-32-7500	1	Hose bed - aluminum The aluminum slats shall also be included in the area around the water and foam fill towers and the front storage area ahead of the front partition.
60-33-0000	1	Paint exterior - Imron Elite *** Paint code and colour to match red on cab (2303)

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		Total paint and primer thickness shall be a minimum of 5.0 mil.
60-33-0200	1	Undercoat vehicle with KROWN rust protection
60-33-0600	1	Chassis wheels not painted Polished Aluminum wheels
60-33-1000	1	Paint pump and plumbing job colour
60-33-1600	1	Special paint compartment interior - gray zolatone E The compartment interiors are finished with a gray textured paint for chip resistance. Shelves, trays, unistruts and hardware are left natural aluminum.
60-33-2000	1	Lettering - no lettering provided Department will get installed by local supplier
60-33-3000	1	Reflective stripe - 4" white Striping layout approved by Fire Department 50% of perimeter each side and 25% of perimeter front. 3M Scotchlite material
60-33-3310	1	Reflective stripe - red and yellow chevron at rear Minimum 50% of rear vertical surface. Printed on 3m Scotchlite material.
60-33-3500	1	Tarp over hose bed - black The hosebed cover will be secured to top body flanges by quarter turn snaps at front and rear corners of hosebed and Velcro on each side edge of the cover. A weighted flap will be furnished at the front of the cover, and Velcro straps will be provided on the rear of the cover to tie around the rear handrail. Color to be black.
60-33-4000	1	Tarp over crosslays - black The crosslay hosebed cover will be secured to transverse hosebed top flanges by quarter turn snaps at each end of hosebed and velcro on each side edge of the cover. A flap will be furnished on each end of the cover with velcro straps to wrap around the hose rollers. Color to be black.
60-40-5500	2	Suction hose tube (each) with door To store the 4.5" x 10' suction hoses 80-11-3000. Located under the tee of the water tank with rear access doors with lift and turn latches. Door ajar switch required.
60-41-1000	1	Pike Pole tube with door - storage for two pike poles To store the 10' pike pole 80-13-2500 and the 6' pike pole 80-13-2510. Located under the right side fender top with a rear access stainless steel door with lift and turn latch.
60-41-6001	1	Zico hydraulic portable tank rack Left side - for the storage of the 2000 Imperial gallon portable tank 80-15-1000. To be wired so only operable when park brake is engaged. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body.
60-41-6010	1	ZICO PTS switched at rear above tail light Switch is located on same side as electric rack - left side.
60-41-6110	1	Painted plate on exterior of Zico PTS
60-41-7090	1	No tread plate on body behind porta tank rack
60-41-9001	1	Zico hydraulic Ladder Access system To be wired so only operable when park brake is engaged. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body. Right side for the 24' 2-section ladder 80-14-0500 and the 16' roof ladder 80-14-6000

PART NO	QTY	DESCRIPTION
60-41-9010	1	ZICO LAS switched at rear above tail light E Switch is located on same side as electric rack
	1	INSTRUMENTATION
70-11-0000	1	Warning Label on Pump Operator's Panel
70-11-0500	1	Side mount instrument panel 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 ***The pump panel lights will be switched by the park brake to match the Pumps and as discussed at the pre-construction meeting of Jan 12, 2019
70-11-1500	1	Stainless steel instrument panels 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
70-11-3200	1	Colour coded tags Language to be English
70-11-4100	1	Stainless steel side panel hood left side
70-11-4500	1	Diamondback grip type panel hood step right side
70-11-5000	1	Standard cover over rear top of pump house - no storage
70-11-5500	1	Right side tread plate pump access door No opening dimension less than 18"
70-11-7500	1	Heat pan-aluminum
70-11-8000	1	Heater in pump compartment Heater switch will be located on the left side pump operators panel.
70-20-0500	2	4-1/2" compound gauge - dual face 0-400 - Thuemling To be within 8" of each other - edge to edge Thuemling control rod assembly with 4-1/2" 0-400 dual scale pressure gauge/bezel assembly (colored bezel)
70-20-2130	6	2-1/2" pressure gauge - dual face 0-400 - Thuemling Thuemling control rod assembly with 2-1/2" 0-400 dual scale pressure gauge/bezel assembly (chrome bezel and color code in handle)
70-20-2500	1	Primer control
70-20-3200	1	FRC Pump Boss Governor Control Throttle can be no lower than 42" and no higher than 72" from operator's standing position.
70-20-3500	1	Electric water level gauge on pump panel, Class One
70-20-3610	1	Remote PSTANK water level indicators each side, rear with driver E One each side at the front corner of body, and one on the rear left side above dump valve. Interlock with park brake so powered only when the park brake is set.
70-20-6500	1	Test gauge panel
70-20-7500	1	Heat exchanger control valve
70-21-1500	1	Electric Foam Level gauge Include access to and room for sender in front of body and back of pump house
70-21-2100	1	PTO Hourmeter Located in the 20-31-7500 console in cab
70-21-5500	1	Panel readout for Battery Conditioner Located on left side pump panel
	1	ACCESSORIES
80-11-3000	2	4-1/2" x 10' lightweight suction hose (ea) Tube mounted

PART NO	QTY	DESCRIPTION
80-12-11AA	1	Mounting plate for 4" barrel strainer - Kochek MM4501C P/N 1501177 - SOPT #602 To be mounted by the fire department - ship loose
80-12-1500	1	4-1/2" barrel strainer Mounted by the fire department on the mounting plate 80-12-11AA. Both to be shipped loose
80-12-3500	1	4-1/2" low level strainer with 1-1/2" venturi connection Red head Storz fitting will be shipped loose for the venturi fitting. The low level strainer will be shipped loose for fire department installation.
80-13-0500	1	Rubber mallet - with fibreglass handle Mounted with the Toolok 80-13-0513 - shipped loose for fire department installation
80-13-0510	1	PAC Toolok 1003 for mounting rubber mallet P/N 1562258 - SOPT #319 Ship loose for fire department installation
80-13-1200	3	Clare hose wrenches (double) with holder Mounted on left side pump panel, right side pump panel and on rear of body where room permits.
80-13-1500	1	Bar with bracket Mounted horizontally under the rear dump chute.
80-13-2500	1	Pike pole, fibreglass handle - 10' long Tube mounted.
80-13-2510	1	Pike pole, fibreglass handle - 6' long Tube mounted.
80-13-4000	1	Axe, pick head, yellow fibreglass handle and bracket ***Non slip hand hold*** P/N 1520133 Ship loose for fire department installation
80-13-4500	1	Axe, flat head, yellow fibreglass handle and bracket ***Non slip hand hold*** P/N 1520146 Ship loose for fire department installation
80-14-0500	1	24' 2 section extension ladder PEL 24 Stored on the ladder rack right side of body. Provide test documents as per 80-99-60AA
80-14-6000	1	16' aluminum roof ladder PRL-16 Stored on ladder rack right side of body Provide test documents as per 80-99-60AA
80-14-7500	1	Padded ladder boot - 2 section and roof ladder Sized to fit nested 24' two section extension ladder and 16' roof ladder.
80-14-8500	1	10' aluminum folding attic ladder FL-10 Stored in the 80-14-9000 attic ladder bracket on right side fender top. Provide test documents as per 80-99-60AA
80-14-9000	1	Attic ladder bracket (Zico) Mounted on right side fender top.

PART NO	QTY	DESCRIPTION
80-14-9100	1	Air chuck with 25' of 3/8" air hose Shipped loose, not mounted. Customer will mount. SOPT #777
80-15-1000	1	2000 l gallon portable tank - Husky Two (2) drain sleeves required. Stored in the hydraulic PTS on left side.
80-15-5500	2	4-1/2" external suction butterfly valve There will be an external butterfly valve installed on the left and right suction.
80-16-1500	1	Akron 2581 gated wye A 2 1/2" gated wye, 2 1/2" Red Head Storz swivel to two (2) gated 1 1/2" male NPSH with Red Head Storz adapters, pyrolite construction shall be supplied. Shipped loose, not mounted. Customer will mount.
80-17-0500	1	20# dry chemical fire extinguisher and mount Ship loose - fire department to install.
80-17-1000	1	15# CO2 fire extinguisher and mount Ship loose - fire department to install.
80-18-0500	4	SCBA bracket with strap - compt mount Bolted to the Zico SCBA carousel 80-18-0700. Customer to provide dimensions of SCBA to be stored Height - 24" Width - 14" Depth - 12" Diameter of cylinder - 6.75"
80-18-0700	1	ZICO Quic Index SCBA carousel Ship loose - fire department to install.
80-18-0840	2	Pistol grip nozzle holder - ZICO NBM-2 Ship loose - fire department to install.
80-19-0500	2	Large folding wheel chock - aluminum (ea) not mounted Shipped loose, not mounted. Customer will mount.
80-19-0600	2	Horizontal bracket for folding wheel chock (ea) Ship loose - fire department to install.
80-99-60AA	1	Ground ladder tests to meet NFPA-1932 All ladders shall be manufactured in current year and shall, prior to delivery, be tested as per NFPA-1932 (2015 or latest edition) within six months of date of delivery. A copy of the tests shall be provided at final inspection. SOPT in file.