



Shop Order

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Town of Vestal Fire Department
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 Vestal, NY 13850-1486

Sales Rep: Ryan Stacey Metalfab Ltd. Drawing #: FT-11109 Est. Delivery Date: / / Customer PO #: 3852 Customer #: 1615 QPF #:	Terms: Chassis, body and equipment COD Penalty: \$100.00 per day after 367 days from PO #3852 issued November 15.2018
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Quote No: Vestal, NY-0517
Job/Order No: 20616
 11/26/2019

PART NO	QTY	DESCRIPTION
	1	== Metalfab Pumper - NFPA 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
00-20-1700	1	Hale Pump Warranty - 5 years
00-20-1900	1	UPF Polytank Lifetime Warranty
00-20-2100	1	Plant Inspection Visits, one pre-paint, one final inspection All travel & living expenses paid by the Customer
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
10-11-0500	1	NFPA 1901-2016 Compliance
10-11-2000	1	UL Testing 1901
10-11-2100	1	Maximum length - 35' (420")
10-11-2200	1	Maximum height - 11' (132")
10-11-2400	1	Overall length is 30' or more
10-11-2410	1	Overall height is 119" or more
10-11-2500	1	General Construction
10-11-3000	1	Manuals - two copies ***Two copies of manuals are required.
10-11-3600	1	Delivery - To Houlton, ME for Dealer pickup SOPT #1050a

PART NO	QTY	DESCRIPTION
10-11-4200	1	Payment Terms - Chassis and Body COD
10-20-1400	1	Hose capacity exceeding ULC/NFPA requirements Main hose bed shall carry the following; 1000 ft of 5" high volume hose 500 ft of 2-1/2" hose 400 ft of 1-1/2" hose ***Extra weight allowance of 1057 pounds***
10-20-2100	1	Equipment carrying capacity - standard NFPA Pumper
	1	CHASSIS INFORMATION
20-11-1000	1	Chassis supplied by Metalfab - Freightliner tandem 2-dr M2 112 70,000 lb GVW 18,000 lb front axle 52,000 lb rear axle Detroit DD13 450 hp @ 1625 rpm 1900 governed rpm 1650 lb/ft torque @ 975 rpm 300 Amp alternator Jacobs C-Brake Allison 4000 EVS automatic transmission, 5 speed, LH side PTO opening 60 US gallon fuel tank left side under cab (25" diameter) ***Confirm clean back of cab when ordering No rear window, no exterior visor ESC, VDR, Seat/seat belt display LED headlights White over red - paint line and paint codes to Vestal's 2017 unit VIN 1FVHC5DV0JHJR5103. See photos at o:metalfabphotos/road/vestal/ ***Paint spray outs required to be sent to Customer for approval and sign off*** Paint samples were approved 02.11.2019 Rear axle spread was changed to 54" from 52" on 03.13.2019 as per Freightliner engineering request to offer required suspension.
20-11-1500	1	2013 Emission chassis modifications
20-21-0500	1	Fluid capacity plate The measurements will NOT be Metric.
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
20-21-1540	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: ** feet and inches high ** feet and inches long ** pounds 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 The chassis key will be chained to the dash to meet NFPA.
20-21-2500	1	Shifter lock not required E
20-21-3500	1	Rear step warning label
20-21-3800	1	Front mudflaps
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-21-4500	1	Transportation Safety Kit - order with chassis
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only
20-31-0600	1	Alum tread fuel tank covers, diamond grip steps, Conv - 2 dr
20-31-1900	1	Chassis cab painted two tone by chassis OEM (white over red)
20-31-7010	1	SS nut covers, hub caps and high hats - tandem axle - ordered with chassis
20-31-7500	1	Console in cab Install switch panel (50-11-0900), sirens (50-11-1460 & 50-11-1470), traffic advisor control

PART NO	QTY	DESCRIPTION
		(50-11-71AA), Dump and chute controls (40-31-44AA), map light (20-52-10AA), control for the OnSpots (20-41-5500), and pump shift (30-51-0500) in console. Storage area with hinged cover and lift and turn latch provided at rear of console (space may be limited due to the EQ2B siren amplifier and the Weldon Hercules node). Gray Zolatone finish Drawing to be approved by Customer
		Color of console to be approved by Customer - Grey Zolatone was approved at pre-construction meeting of 02.21.2019
20-41-0500	1	Intake air shutoff for engine Department wants the control switch in the cab as discussed at the pre-construction meeting of 02.21.2019.
20-41-0900	1	Auxiliary braking system disabled when pumping
20-41-1100	1	Transmission programming - Allison WT
20-41-1500	1	Extend exhaust pipe - RS front of rear wheels 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. Confirmed at the 02.21.2019 Pre-construction meeting clearance required to accommodate Plymo-Vent adapter is 5" from the center of the tailpipe to the rub rail. See the instructions in F:/Data/Jacques/Current Project/Vestal NY/ Plymovent Magnetic Tailpipe install The wireless activation of the Plymovent system will require a signal from the VMUX system for the marker lights and brake signal. See the instructions in F:/Data/Jacques/Current Project/Vestal NY/Plymovent wireless info.
20-41-1900	1	Battery boost terminals with chassis E
20-41-2200	1	Chassis batteries relocated to body compartment - if required Chassis batteries are relocated to the front right side compartment as requested by Chief Doug Rose by e-mail on 06.07.2019.
20-41-2510	1	Fuel fill at step fuel tank under cab
20-41-2600	1	Chassis fuel tank remains in OEM location
20-41-5010	1	Rear Tow Hooks - through rear of body *** Flat bar tow hooks through the rear of the body. There will be a trim piece on the body with a rubber seal between the body and the tow hook where the tow hook passes through the body.
20-41-5500	1	ON SPOT Automatic traction chains On Spots will be installed for the front tandem rear axle. Control is installed close to driver in the 20-31-7500 console.
20-51-0500	1	Master disconnect switch - manual *** Floor mounted next to driver's door
20-51-2700	1	Back up alarm - self adjusting - ordered with chassis
20-51-3400	1	Protection valve installed for air operated accessories
20-51-4000	1	Auto eject for air inlet - LS Located in left side cab step area under the cab to match their previous unit as discussed with Keith Purdy 10.31.2019. See pictures in O:/Metalfabphotos/Road/Vestal NY
20-51-6510	1	Kussmaul Autocharge 35/10 battery conditioner w/battery saver Located behind console/driver's seat area.
20-51-7101	1	Electric System Management - VMUX
20-51-7500	1	Super Auto eject for 120 v - 20 A with sealed enclosure Located in left side cab step area under the cab to match their previous unit as discussed with Keith Purdy 10.31.2019. See pictures in O:/Metalfabphotos/Road/Vestal NY

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20-51-8510	1	Engine compartment light LED Switched when park brake is set.
20-51-9001	1	Air horns on hood controlled by foot switches included with chassis (2) LH and RH foot switches with dash switch for horn button to control air horn, default to electric <85 psi.
20-52-0010	1	Air horn control on pump panel An air horn button shall be located at the pump panel. Labeled "AIR HORN" SOPT #475
20-52-1010	1	Gooseneck LED map light - Federal Littlite Mounted on right side of 20-31-7500 console easily accessible to the Officer. SOPT #291
20-52-3500	1	Chassis steering wheel lined up by Metalfab E
20-60-0400	1	Chassis wheelbase does not change
20-99-15AA	1	Valet switch in front grill area for cab door locks A remote valet button shall be discretely located at the grille area to permit unlocking of the cab power door locks. SOPT in file.
20-99-20AA	1	Air horn shut-off valve One (1) quarter-turn shut-off shall be provided and installed with the air horn system. The valve shall shut off the airflow to the horns in case of malfunction of the air horns. The valve shall be located in an accessible area under the dash. ***Order with chassis if available***
	1	PUMP AND PLUMBING
30-11-3802	1	Hale DSD midship pump - 1500 USGPM
30-15-0304	1	Plumbing - non manifold pump SM SS E
30-20-0500	1	Valves and controls - side mount panel Make of controls and gauges were discussed at the 02.21.2019 Pre-construction meeting and it shall be Akron valves and Tuemling gauges..
30-20-1002	1	Akron valves specified The Akron valves were chosen at the 02.21.2019 pre-construction meeting.
30-20-1620	1	Piping stainless steel - non manifold Pumper
30-20-1700	1	1-1/2" thread specifications - NH (9 TPI) Customer confirmed the thread at the 02.21.2019 pre-construction meeting.
30-20-1800	1	2-1/2" thread specifications - NST Customer confirmed the thread at the 02.21.2019 pre-construction meeting.
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	2	Tank to Pump SS 3" w/ check valve non manifold pump 3" piping
30-22-1520	1	Tank Fill valve 2-1/2" SS
30-31-4020	1	Suction - 6" not gated each side SS non manifold pump 6" header
30-32-7550	1	Suction - 2-1/2" left side SS, bleeder, non manifold pump Controlled at the valve

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30-40-2520	2	3" right discharge SS, plumbed 3", bleeder, non manifold pump - 5" Storz
30-41-2540	2	2-1/2" LS discharge SS, bleeder, non manifold pump
30-43-1520	1	2-1/2" rear discharge SS, plumbed 2-1/2", bleeder *** Left side and must be 60" from the ground for easy access.
30-44-0520	2	1-1/2" crosslay (each) SS, 2" valve, bleeder Each section of the cross lay shall hold 200' of 2.0" double-jacket fire hose. The transverse hose bed is equipped with stainless steel rollers on each end for easier hose removal. Bleeder valve provided on pump panel. ***Note the crosslay swivels will have "NH" thread***
30-51-0500	1	Pump shift-Midship air ***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	Class One "TPG Plus" Governor/Throttle
30-51-7002	1	Suction side relief V/V, non manifold pump Adjust the preset pressure to 140 psi Customer to confirm
30-51-7711	1	Trident Air Primer 3 barrel 1 location
30-51-7720	1	Additional air tank for air primer system - ordered with chassis An additional air tank is provided to improve air primer capacity. Freightliner code 46A-002
30-51-8100	1	Heat exchanger included with chassis
30-51-8500	1	Pump cooler with control valve, check valve
30-52-1000	1	Master drain V/V, 12 port
30-52-3001	1	Foam system not requested
		WATER AND FOAM TANKS
40-11-2000	1	Polytank IIE water tank (US gallons)
40-11-21AA	1	Manhole cover in top of tank The tank shall be equipped with a 16" x 22" oval diameter removable access panel to permit access to the area over the sump for service or cleaning purposes. The access panel shall be secured with stainless steel threaded studs and nuts, and a watertight gasket. The access panel shall be located on top towards the front of the tank. As discussed with Keith Purdie by phone on 10.01.2019 UPF option SOPT in file.
40-11-2200	1	Water tank capacity certification (tank manufacturer)
40-11-7600	1	Tank capacity 3000 US Gallons
40-21-0500	2	3" tank to pump connection
40-22-1000	1	3" tank fill connection
40-23-0500	1	1" water level gauge connection
40-23-1050	2	4" Fireman's Friend connection
40-23-1060	3	10" Newton dump connection
40-30-0400	1	3" plug in sump box
40-30-1200	1	Water Fill Box - as far forward on the left side as possible The fill tower will be as far forward on the left side as possible and still reduce slosh due to the longer tank.
40-30-1200	1	Water Fill Box - as far forward on the left side as possible The tower will be 16" x 16" x 15" high to lessen spillage that could be produced when both direct fills are being used at the same time. As discussed with Keith Purdie by phone on 10.01.2019
40-31-45AA	1	Three stainless Newton dumps and chutes - controls in cab and by dumps One each side in rear fenders between tandem axles and one on the back.

PART NO	QTY	DESCRIPTION
		Both the dump and chutes are electric actuated. The controls in cab will have open/closed indicator lights for the dump valve and stowed/extended indicator lights for the chutes. SOPT #795 - truck specific
40-31-9000	2	4" Storz rear fill, Fireman's Friend Located one each side of rear dump valve - as low as possible. Bleeder valves required.
	1	ELECTRICAL
50-11-0300	1	Base electrical system - multiplex E
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 -LIGHT BAR CLEAR -FLASHING WARNING -LEFT SCENE -RIGHT SCENE -REAR SCENE -Mini water level gauge 70-20-3700 *** Front scene lights (brow lights) removed on Change Order B 06.26.2019
50-11-1460	1	Federal EQ2B 200 watt siren Located in the 20-31-7500 console
50-11-1470	1	Whelen siren - 295HFS2 Located in the 20-31-7500 console SOPT #954
50-11-1630	1	Siren speaker,200 watt, in front bumper Left side of bumper
50-11-1631	1	Siren speaker, 200 watt for EQ2B, in front bumper Right side of bumper
50-11-2600	1	Siren to be accessible to driver and officer
50-11-61AA	1	Whelen F4N0VLED 60" LED lightbar - red/white SOPT #891 - truck specific
50-11-62AA	1	Built in Opticom (795H) for Whelen F4N0QLED light bar There will be a built in Opticom model 795H in the Whelen F4N0QLED light bar. Truck specific SOPT 703. The opticom is activated with the white front flashers and deactivated with the park brake as confirmed by 1st Ass't Chief Doug Rose by e-mail on 11.22.2019
50-11-71AA	1	Whelen TA165NF2 Arrow type traffic advisor Control is located in the 20-31-7500 console. SOPT #642 - truck specific
50-12-85AA	1	Front (2R,2W) and front side (2R) LED flashers - Whelen M6 with clear lens One pair mounted in upper part of grille - red left side, white right side. One pair mounted in lower part of grille - white left side, red right side. One red flasher mounted on left side of hood as far forward as possible. One red flasher mounted on right side of hood as far forward as possible. SOPT #952d - truck specific

PART NO	QTY	DESCRIPTION
50-12-86AA	2	Rear LED flashers (pr) Whelen M9 w/clear lens - 2 blue, 2 red Mounted as high as possible (upper level) on the rear of the truck. There will be one (1) blue light located on the left side at the highest location with a red light below. The right side will have a red light at the highest location and a blue light below. SOPT #951b - truck specific
50-12-86BB	1	Rear LED flashers (pr) Whelen M6 w/clear lens - blue on DS, red on PS SOPT #951d - truck specific
50-12-88BB	2	Body side LED flashers (pr) Whelen red M9 with clear lens Two each side - one in upper forward most corner and one in upper rearward most corner. SOPT #953b
50-21-5100	1	Compartment lighting - LED tube lights in each compartment (rollup doors)
50-21-5500	1	Door Ajar warning light Located in overhead console over drivers seating position Warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-5560	2	Equipment rack not stowed warning light Located in overhead console over drivers seating position Warning label in cab to read: "Do Not Move Apparatus when Light is on" One for the LAS and one for the PTS.
50-21-8001	1	Step lights for body steps - 4" LED Right side only - front of body. Switched when park brake is set.
50-21-8200	1	Step lights for chassis steps - LED lumabar Switched when park brake is set.
50-21-8600	1	LED clearance lts and reflectors
50-21-8800	1	LED intermediate turn signal/clearance/reflector length >30'
50-22-07AA	1	Whelen M6 LED tail light assembly Top - Tail and stop lights Middle - Turn signals Bottom - Back-up lights SOPT #1093 - truck specific ***Will need the auxiliary rub rail mounted tail/turn/brake module as this unit has a Zico access ladder on back*** These will be mounted under the rub rail to allow room for the Back Stop device 50-99-15AA.
50-31-60BB	2	Whelen M9 LED combination Scene light warning light M9RCZ (pr) Located in rear fenders - one forward most and one rearward most. SOPT #1069 - truck specific. Model of light was confirmed at the 02.21.2019 Pre-construction meeting
50-31-61AA	3	Scene lights (pr) Whelen LED PCH1 Six (6) Whelen Engineering Pioneer Plus model PCH1 Super-LED flood/scene lights shall be provided. Two (2) each side of body beside upper level C9 red flashers and two (2) on the rear of the body below the upper level C9 flashers. Three (3) switches in cab (ref 50-11-0900) The side lights can be managed to shed. The rear scene lights cannot be managed. The rear lights and aft side lighting will also activate with the backup light circuit. SOPT #1010 - truck specific

PART NO	QTY	DESCRIPTION
50-31-65AA	1	<p>Hose bed lighting - LED on front partition 3 x 20" LED lumabars. Switched when park brake is set. SOPT #958</p>
50-31-6600	1	<p>Ground lighting (4" LED) - 2 door chassis Switched when park brake is set.</p>
50-31-6620	1	<p>Ground lighting (4" LED) - side mount body ***Include ground lights under all four side compartments*** Switched when park brake is set.</p>
50-35-0500	1	<p>Installation of customer supplied mobile radio Metalfab will install four (4) customer supplied antennas: 1. on cab roof behind lightbar towards the left side of the truck for scanner antenna 2. on top corner of the pump module for VHF high - 12" from the edge of the pump house, halfway from crosslays and front of body 3. on top corner of the pump module for VHF low - 12" from the edge of the pump house, halfway from crosslays and front of body 4. on top rear middle of pump module for UHF - in the middle of the pump house, halfway from crosslays and front of body Antennas will be run to center console in cab, no ends As approved by Chief Doug Rose on 06.26.2019 Mounting instructions and antenna bases were received from Wirsig Electronics and arrived at Metalfab on 10.10.2019. See Jacques for diagram.</p>
50-99-05AA	1	<p>Electrical wiring conduits/raceways Surface mounted conduit manufactured by the Panduit Corporation shall be installed in the body for routing of the 12 volt wiring. Wiring shall be easily accessed through a removable cover for inspection and maintenance. SOPT in file.</p>
50-99-10AA	1	<p>Camera System - Pro-Vision - three camera system Monitor will be mounted in the cab from the ceiling area (no DVR). Camera #1 is placed at the rear center of the apparatus body. This camera activates in reverse gear or manually at any time. Camera#2 is placed at the curb side under the chassis mirror. This camera has a view of the side dump. This camera activates with the right side turn signal or manually at any time. Camera #3 is placed on the driver side of the vehicle under the chassis mirror. This camera activates with the left turn signal or manually at any time. SOPT #1247 - truck specific.</p>
50-99-15AA	1	<p>Back Stop device There will be a Back Stop Reverse Bracking system, 12 volt complete with 96" rubber sensor supplied and installed on the unit. It shall apply the chassis brakes when the unit comes into contact with any obstacle.</p>
	1	BODY
60-10-15AA	1	<p>1" drop on lower edge of compartment floor - sweep out type SOPT #1236</p>
60-10-1600	1	<p>Tandem axle extruded aluminum body</p>
60-10-4100	1	<p>No "beavertail" rear step supports</p>
60-10-4600	1	<p>Painted fender surround E</p>
60-10-4770	2	<p>Removable stainless steel fender trim - pair per axle</p>
60-10-5400	1	<p>Diamondback pumphouse steps</p>
60-10-5430	1	<p>Diamondback 19" rear step</p>
60-10-6500	1	<p>Bolt on extruded aluminum rub rail E w/ reflective - DOT red white</p>

PART NO	QTY	DESCRIPTION
60-11-0100	1	Front left side compartment to top of wheel well
60-11-0500	1	Front right side compartment to top of wheel well
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	4	Rollup door - standard height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5530	1	Rollup door - to enclose pump panel Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5660	1	Amdor Pull strap - Flex HD for pump panel door There will be an Amdor Flex HD pull strap supplied and installed on the pump panel door 60-11-5530
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
60-31-5600	1	Steps and grab handles at front of body next to pump panel Right side only. Maximum height between steps is 18"
60-31-6500	1	Compartment matting - plastic interlocking tile
60-31-8700	3	Sliding tray (ea) - 400 pound capacity with gas strut Located at floor level in the following compartments; Tray #1 - Left side front compartment Tray #2 - Left side rear compartment Tray #3 - Right side front compartment Reflective stripe is applied on the exposed edge for visibility when the compartment door is open
60-31-9600	3	Adjustable shelf (ea) Located in the following compartments; Shelf #1 - Left side front compartment Shelf #2 - Left side rear compartment Shelf #3 - Right side rear compartment Reflective stripe is applied on the exposed edge for visibility when the compartment door is open ***There shall be unistruts only install in the right side front compartment for future installation of shelving.***
60-32-3550	1	Two adjustable hose divider (each) Hand hold required in end
60-32-7500	1	Hose bed - aluminum Main hose bed shall carry the following; 1000 ft of 5" high volume hose 500 ft of 2-1/2" hose 400' ft 1-3/4" hose
60-33-0100	1	Paint exterior single color - Imron Elite and clearcoat *** Paint code and colour red to match the red on cab.
60-33-018A	1	Polished body finish Wet sand and polish to present a smooth, glass-like appearance painted automotive surface.

PART NO	QTY	DESCRIPTION
		SOPT #1246
60-33-0200	1	Undercoat vehicle with KROWN rust protection
60-33-0600	1	Chassis wheels not painted
60-33-1000	1	Paint pump and plumbing job colour
60-33-1600	1	Special paint compartment interior - gray zolatone E
60-33-2300	1	Lettering - as directed by Customer
		>Reflective shaded lettering shall be applied on the upper drop down bracket panels to say: TAN 3 KER - material to be Engine Turn gold with black outline as approved by Doug Rose by e-mail on 11.25.2019
		>Reflective department patch shall be applied on the LS pump panel rollup door and the front of the body on the LS as approved by Doug Rose by e-mail on 11.25.2019
		>Block style engine turn gold with black outline lettering shall be applied on the cab doors upper row to say: VESTAL in larger font to fit
		>Block style engine turn gold with black outline lettering shall be applied on the cab doors lower row to say: FIRE DEPT. in smaller font to fit as approved by Doug Rose by e-mail on 11.25.2019
		>Tanker unit number (T-32-3) in red reflective material shall be located on all four sides and roof of the vehicle in red reflective - locations to be front passenger bumper on the reflective stripe, L1 and R1 rollup door as approved by Doug Rose by e-mail on 11.25.2019.
		Tanker unit number (T-32-3) in white reflective with black outline material shall be located on the rear of the body above the dump valve as approved by Doug Rose by e-mail on 11.25.2019.
60-33-3300	1	Reflective stripe - as directed by Customer
		50% of perimeter each side and 25% of perimeter front
		A 4" reflective body stripe shall run full length of the sides of the body and cab. Reflexite or equal WHITE reflective for stripe on red painted surfaces and RED reflective stripe on shutter doors.
		Trim stripe of 1" reflective Reflexite or equal shall be provided above and below the main stripe. WHITE color on red painted surfaces or RED color on shutter doors.
		As approved by Doug Rose by e-mail on 11.25.2019
60-33-3310	1	Reflective stripe - Diamond Grade red and fluorescent lime chevron at rear
		Minimum 50% of rear vertical surface.
		Colors to match Reflexite V-98 RED and Reflexite V-98 Fluorescent LIME.
		Samples to be sent to Customer for approval and sign off.
60-33-3500	1	Tarp over hose bed - black
		Shock cord type all four (4) sides of the tarp.
		Color to be black.
		It was discussed at the 02.21.2019 Pre-construction meeting that a front partition is not required.
60-33-351A	1	Reflective on rear flap of hose bed tarp
		At the rear the flap shall have sewed in reflective yellow "TANKER 3"
		Customer confirmed this at the 02.21.2019 Pre-construction meeting
		Possible vender - D & S Custom Covers
60-33-3600	1	Reflective stripe - inside entry doors - red/white
		96 square inches minimum inside each cab entry door.
		Discuss at Pre-construction - red/white panels to match existing unit? Pictures.
60-33-4600	1	Aluminum cover over crosslays - with end tarps (black)
60-40-4500	2	6" Hose tray - side mount (ea)
		Two (2) on the PTS for the 6"x13" suction hoses 80-11-50AA as approved by Doug Rose on 06.26.2019

PART NO	QTY	DESCRIPTION
60-40-9000	1	Tube mount for ladders, with rear door There will be a tube on the right side of the body for the 30' 2-section ladder 80-14-1500 and a 16' roof ladder 80-14-6000.
60-41-1000	1	Pike Pole tube with door - tubes for three pike poles Right side above the ladder tube - for storage of the 4' pike pole 80-13-25AA, 6' pike pole 80-13-2510, and 8' pike pole 80-13-25BB.
60-41-6001	1	Zico hydraulic portable tank rack Left side for the storage of the 3500 US gallon portable tank 80-15-1010. 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
60-41-7100	1	Tread plate on body behind porta tank rack
60-99-10AA	2	Hinged doors for side dump lines There will be a hinged painted aluminum door that will open when the dump chute extends. The door will retract when the dump chute retracts.
	1	INSTRUMENTATION
70-11-0000	1	Warning Label on Pump Operator's Panel
70-11-0501	1	Side mount instrument panel with rollup door LS only 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
70-11-1500	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
70-11-4000	1	Stainless steel side panel hood 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
70-20-1000	2	4-1/2" compound gauge - PSI only 0-400 To be within 8" of each other - edge to edge The make of the gauges will be Tuemling and range of 0-400 PSI of Compound gauge was confirmed at 02.21.2019 Pre-construction
70-20-2000	7	2-1/2" pressure gauge - PSI only 0-400 Gauge to be no more than 6" from edge of the gauge to the center of the control. Make of pressure gauges is Tuemling and this was confirmed at 02.21.2019 Pre-construction.
70-20-2500	1	Primer 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.
70-20-3500	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 Interlock with park brake so powered only when the park brake is set.

PART NO	QTY	DESCRIPTION
70-20-3700	1	Additional remote water level gauge readout, Class One in cab
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
70-21-5500	1	Panel readout for Battery Conditioner Located in left side cab step area.
	1	ACCESSORIES
80-11-50AA	2	6" x 13' lightweight suction hose (ea) There will be two (2) lengths of 6" x 13' long suction hose stored in the tray 60-40-4500 as approved by Chief Doug Rose on 06.26.2019.
80-12-2500	1	6" barrel strainer Shipped loose, not mounted. Customer will mount with Customers bracket(s).
80-13-0500	1	Rubber mallet Shipped loose, not mounted. Customer will mount with Customers bracket(s).
80-13-1100	1	Hose wrenches (triple) with holder Mounted as directed by Customer at final inspection.
80-13-14AA	1	PAC flathead axe brackets - Kit #K5011 Mounted in right side front compartment as directed by the Customer at final inspection. P/N 1562667 SOPT in file
80-13-2200	1	Pike pole, fibreglass handle - 8' long Tube mounted. SOPT #1217 - truck specific
80-13-2510	1	Pike pole, fibreglass handle - 6' long Tube mounted.
80-13-25AA	1	Pike pole, fibreglass handle - 4' long Tube mounted. SOPT #1217 - truck specific
80-13-4500	1	Axe, flat head, fibreglass handle Mounted in right side front compartment in 80-13-14AA brackets as directed by the Customer.
80-14-1500	1	30' 2 section extension ladder PEL30 There will be a 30' 2-section ladder supplied and stored in the tube 60-40-9000.
80-14-6000	1	16' aluminum roof ladder PRL-16 There will be a 16' roof ladder supplied and stored in the tube 60-40-9000.
80-15-10AA	1	3500 US gallon portable tank - Husky Stored on the PTS.
80-18-0500	2	SCBA bracket with strap - compt mount Mounted in right side front compartment as directed by the Customer at final inspection.
80-19-0500	2	Large folding wheel chock - aluminum (ea) Stored in 80-19-0600 brackets under the compartment ahead of the left side rear wheels.
80-19-0600	2	Horizontal bracket for folding wheel chock (ea) Brackets located under the compartment ahead of the left side rear wheels for the 80-19-0500 wheel chocks.

PART NO	QTY	DESCRIPTION
80-20-3500	1	<p>First Aid Kit One (1) 24-unit first aid kit shall be supplied. Shipped loose, not mounted. Customer will mount with Customers bracket(s).</p>
80-20-5010	2	<p>Traffic Vest Shipped loose, not mounted. Customer will mount with Customers bracket(s).</p>
80-20-5020	6	<p>24" reflective traffic cones Six (6) reflective traffic cones, 24" high. Shipped loose, not mounted. Customer will mount with Customers bracket(s). SOPT in file</p>
80-99-05AA	1	<p>Equipment mounting and mounting allowance \$5,500.00</p>
80-99-10AA	1	<p>Additional Equipment allowance for Plymovent exhaust extraction parts \$1,500.00</p>
80-99-15AA	2	<p>Zico UHH-1-C Helmet holder (ea) mounted in cab Mounted as directed by the Customer at final inspection. SOPT #426 - truck specific</p>
80-99-20AA	1	<p>Harrington ball Intake valve - Model H1000-40-60NH ***Ensure no clearance issues when installed on left side 6" inlet, and that it does not extend beyond the rollup door. SOPT in file.</p>
80-99-25AA	3	<p>Streamlight Vulcan LED handlight - Orange with charger (ea) P/N 1521631 SOPT #393 Mounted and wired (12-Volt) on the rear of the console 20-31-7500 as determined at the 02.21.2019 Pre-construction meeting.</p>
80-99-30AA	1	<p>13' Little Giant ladder There will be a 13' Little Giant Ladder supplied and installed in the hose bed - 80-99-35AA as approved by Chief Doug Rose on 06.26.2019</p>
80-99-35AA	1	<p>Mount Little Giant Ladder in hose bed. The 13' Little Giant Ladder 80-99-30AA will be installed in the hose bed.</p>
80-99-40AA	1	<p>Ali-Arc Bumper There will be an Ali-Arc bumper grill guard supplied and installed as per approval from Chief Doug Rose on 06.26.2019.</p>