



Shop Order

Franklin Fire Department
 Chief Robert Grindle
 4 Tracy Road
 Franklin, ME 04634

K & T Fire Equipment
 Tom York
 PO Box 360
 1143 Crystal Road, Exit 276, I95, Rout 159 E
 Island Falls, ME 04747

Exp. Date: 07/16/2020
Quote No: Franklin, ME-0009
Job/Order No: 21688
BODY: 00-10-11 Metalfab Pumper - NFPA 05/13

11/19/2021

Page 1

PART NO	S	DESCRIPTION	QTY	ID
		== Metalfab Pumper - NFPA 05/13 - 0.000 ==	1	MTL
	S	CHANGE ORDER B	1	MTL
00-05-0040		Dealer - K&T Environmental Equipment	1	MTL
00-10-1510	U	Metalfab Pumper	1	
00-20-0500		List of References not provided	1	MTL
00-20-1000		Company Profile	1	MTL
00-20-1500		Standard Body Warranty	1	MTL
00-20-1550		Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
00-20-1700		Hale Pump Warranty - 5 years	1	MTL
00-20-1900		UPF Polytank Lifetime Warranty	1	MTL
00-20-2000		Plant Visits - unlimited at customer expense	1	MTL
00-20-3000		No Bonding Required	1	MTL
00-20-3500		Certification for Fusion Welding of Aluminum	1	MTL
00-20-4000	S	Quality System registered to ISO 9001:2015	1	MTL
00-20-4500		Fire Apparatus Manufacturers' Association Membership	1	MTL
		GENERAL INFORMATION	1	MTL
10-11-0000		Intent E	1	MTL
10-11-0110		Vehicle data recorder included with chassis	1	MTL
10-11-0500	S	NFPA 1901-2016 Compliance	1	MTL
		The Chevrons will be Orange and yellow as requested by the Fire department at the pre-construction meeting and they are aware that this will not meet NFPA 1901. The department will sign the Statement of Exception.		
		Date that Statement of Exception arrived at Metalfab: 02.12.2021		
10-11-2000		> UL Testing 1901	1	MTL
		ENG. NOTE:		
		Note in the shop note if the Fire Department wishes to witness the test.		
10-11-2100		Maximum length not specified E	1	MTL
10-11-2200		Maximum height not specified E	1	MTL
10-11-2400		Overall length is 30' or more	1	MTL
10-11-2410		Overall height is 119" or more	1	MTL
10-11-2500		General Construction	1	MTL
10-11-3000		Manuals - two copies	1	MTL
		***Two copies of manuals are required.		
10-11-3600	S	> Delivery - FOB Fire Department - by K&T	1	MTL
		ENG. NOTE:		
		Note in the shop note if more than 4 hours of training is required		
		Metalfab delivers to K&T in Island Falls, ME (Drive away or by flatbed)		
		K&T delivers to Fire Department.		
10-11-4000		Payment Terms - Chassis Net 10 days, Balance COD	1	MTL
10-20-1400	S	> Hose capacity exceeding ULC/NFPA requirements - Additional 735 lbs	1	MTL
		ENG. NOTE:		

PART NO	S	DESCRIPTION	QTY	ID
		Specify the type of hose and quantity of hose to be carried on the vehicle		
		The hose load will be 1000' of 4" hose and 800' of 2.5" hose as discussed at the 11.11.2020 pre-construction meeting. There will be 735 lbs of weight added to the standard NFPA weight load for the test.		
10-20-2100		Equipment carrying capacity - standard NFPA Pumper	1	MTL
		CHASSIS INFORMATION	1	MTL
20-11-1000	S	Chassis supplied by Metalfab - International HV613 two door tandem Will be ordered from Colwell Diesel Service, Ellsworth, ME 18,000 lb front axle 46,000 lb rear axle 64,000 lb GVWR Michelin 315/80R22.5 front tires (LRL) Goodyear 11R22.5 rear tires (LRH) 238" Wheelbase 170.90" cab to axle International A26 Diesel engine 450 hp @ 1700 rpm 2100 governed rpm 1700 lb-ft torque @ 1000 rpm Jacobs C-brake - includes code 8VTV signal to stop lamps when C-brake is activated 4000 EVS automatic transmission 320 Amp alternator 50 US gallon fuel - LH 1810 series main drive line VDR and seatbelt display included Single color - K&T to supply paint code (records show black metallic on last unit was 0016 Sikkens Sable Metallic)	1	MTL
		Electronic Stability Program required		
		Diamond Logic electrical system required		
		Include switch labels (P/N 2518771C1)		
		Rear air suspension has dual leveling valves.		
20-11-1500		2013 Emission chassis modifications	1	MTL
20-21-0500		Fluid capacity plate	1	MTL
20-21-0600		Pumping test plate	1	MTL
20-21-1000		Maximum riders sign - 2 persons	1	MTL
20-21-1500		Seat belt warning labels - 2 door chassis	1	MTL
20-21-1520		Helmet warning label - do not wear helmet	1	MTL
20-21-1570	U	LED Tire pressure indicators - Tandem Axle - ship loose for end user install	1	
20-21-1600	S	Apparatus Information Label An information label is provided in the chassis cab, visible to the driver, stating in Standard units: "When manufactured, this vehicle was: ** Ft high (feet and inches) ** Ft long (feet and inches) ** Lb GVW (pounds) Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire Department"	1	MTL
20-21-2000		Non removable key	1	MTL
20-21-2500		Shifter lock not required E	1	MTL
20-21-3500		Rear step warning label	1	MTL
20-21-3800		Front mudflaps	1	MTL
20-21-4000		Rear mudflaps - Metalfab Logo	1	MTL
20-31-0200		Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-0500		Alum tread fuel tank trim, Conv - 2 door Vertical trim only, OEM cab steps remain	1	MTL
20-31-1900	S	Chassis cab painted by chassis OEM - single color black	1	MTL
20-31-7500	S	Console in cab Install siren (50-11-1400), and pump shift (30-51-0500) in console. There will be a radio provision included (designated spot in the console only - no antenna base or power wiring included) that will be covered with a Jotto Desk cover. The customer supplied and installed radio will be a Motorola XPR 2500 - as discussed at the pre-construction meeting of 11.11.2020 Storage area with hinged cover and lift and turn latch provided at rear of console.	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
		Gray Zolatone finish		
20-41-1100		Transmission programming - Allison WT	1	MTL
20-41-1500		Extend exhaust pipe - RS front of rear wheels E	1	MTL
		Engineering to specify exhaust pipe material as required by the chassis manufacturer.		
		Engineering to sign off on the exhaust configuration to make sure it meets the chassis manufacturer's emission specifications.		
20-41-1801		Battery boost terminals not required - batteries accessible	1	MTL
20-41-2000		Chassis batteries remain in OEM location	1	MTL
20-41-2510		Fuel fill at step fuel tank under cab	1	MTL
20-41-2600		Chassis fuel tank remains in OEM location	1	MTL
20-41-5010		Rear Tow Hooks - through rear of body E	1	MTL
20-51-0700		Master Battery Disconnect included with chassis	1	MTL
20-51-2500		Back up alarm included with chassis	1	MTL
20-51-3400		Protection valve installed for air operated accessories	1	MTL
20-51-4000		Auto eject for air inlet - LS	1	MTL
		Located on left side pump panel.		
20-51-6200		> 120 volt 20 A shore line connection in chassis cab	1	MTL
		ENG. NOTE:		
		Requires 20-51-75 120 volt auto eject or 20-51-80 120 volt inlet		
		Standard 5-20R duplex receptacle in chassis cab for battery conditioner		
		20-51-6510 to plug into, not fused		
20-51-6510		Kussmaul Autocharge 35/10 battery conditioner w/battery saver	1	MTL
		Located in cab behind console/seat area		
		Requires an 80 amp manual reset breaker		
20-51-7101	S	Electric System Management - Diamond Logic	1	MTL
20-51-7500		Super Auto eject for 120 v - 20 A with sealed enclosure	1	MTL
		Located on left side pump panel.		
20-51-8500		Engine compartment lights (pair)	1	MTL
		One required each side to light up complete engine compartment		
		Switched when park brake is applied		
20-51-9100	S	Air horns on hood, lanyard controlled by OEM controls	1	MTL
		There will be a driver side Lanyard and officer side push button on the chassis dash supplied by the chassis OEM. As discussed at the pre-construction meeting of 11.11.2020.		
20-52-0010	U	Air horn control on pump panel	1	
		Located on left side pump operators panel.		
20-52-3000		> Chassis steering wheel lined up by others	1	MTL
		ENG. NOTE:		
		Required for all chassis except Freightliner, Sterling, Spartan		
20-52-4000		Rear View Camera system	1	MTL
		Rearview Systems STM5600 with 5.6" colour monitor in cab rigidly mounted in center area of dash.		
20-60-0400		Chassis wheelbase does not change	1	MTL
		PUMP AND PLUMBING	1	MTL
30-11-5700		Hale QFLO Single stage 1250 USGPM	1	MTL
30-12-3300		Mechanical seal for Hale QFLO pump	1	MTL
30-15-0104		Plumbing - Hale manifold pump SM SS E	1	MTL
30-20-0500		Valves and controls - side mount panel	1	MTL
30-20-1002		Akron valves specified	1	MTL
30-20-1600		Piping stainless steel - general	1	MTL
30-20-1700	S	1-1/2" thread specifications - NPSH	1	MTL
		Department confirmed this at pre-construction meeting of 11.11.2020		

PART NO	S	DESCRIPTION	QTY	ID
30-20-1800	S	2-1/2" thread specifications - NST Department confirmed this at pre-construction meeting of 11.11.2020	1	MTL
30-20-2000		Piping hydrostatic test	1	MTL
30-20-2500		Anodes in suction and discharge piping 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.	1	MTL
30-21-5560		Tank to Pump SS 3" w/ check valve manifold pump	1	MTL
30-22-0520		Tank Fill valve 2" SS	1	MTL
30-31-4010	S	Suction - 6" each side manifold pump	1	MTL
30-31-7200	S	> Hale master intake suction valve - electric control for RS 6" inlet ENG. NOTE: Required for top mount panels Show location in Shop Note *** Suction to be gated is 6" right side inlet. The electric controller will be on the left side panel and the manual override will be on the right side panel near the inlet. As discussed with Tom York on 02.19.2021	1	MTL
30-32-7530		Suction - 2-1/2" left side SS, bleeder, Hale manifold pump	1	MTL
30-40-2020	S	4" right discharge SS, plumbed 3", Hale manifold pump There will be a 4" right side discharged plumbed with a 3" valve and pull control lever as discussed at the pre-construction meeting of 11.11.2020	1	MTL
30-41-2020		2-1/2" RS discharge SS, bleeder, Hale manifold pump	1	MTL
30-41-2520		2-1/2" LS discharge SS, bleeder, Hale manifold pump	2	MTL
30-43-1520	S	2-1/2" rear discharge SS, plumbed 2-1/2", bleeder *** Right side as low as possible to allow the connection of a customer supplied and installed TFT Blitzfire monitor on the rear bumper. As discussed at the pre-construction meeting of 11.11.2020	1	MTL
30-44-0520		1-1/2" crosslay (each) SS, 2" valve, bleeder Located in the forward most hose lay over pump house. Capacity for minimum 200' x 1-3/4" hose and nozzle. Equipped with stainless steel rollers on each end for easier hose removal.	1	MTL
30-44-1020	S	> 1-1/2" trash line SS, plumbed 2", hosewell in LS panel step ENG. NOTE: Requires extended front bumper, gravelshield Capacity for minimum 150' x 1-3/4" hose and nozzle. The connection will terminate low on the left side pump panel as discussed at the pre-construction meeting of 11.11.2020 See also 70-11-2200	1	MTL
30-44-3520		2-1/2" crosslay SS, plumbed 2-1/2", bleeder Located in the rearward most hose lay over pump house. Capacity for minimum 200' x 2-1/2" hose and nozzle. Equipped with stainless steel rollers on each end for easier hose removal.	1	MTL
30-51-0500		Pump shift-Midship air ***Includes "Pump Engaged" and "OK to Pump" indicator lights in cab ***Includes "Throttle Ready" indicator light on Pump operating panel	1	MTL
30-51-0700		Pump Gearbox mounted manual over ride for pump shift E	1	MTL
30-51-6800		FRC InControl Governor/Throttle engine display with throttle knob	1	MTL
30-51-7000		Suction side relief V/V, manifold pump One for the main pump One for the RS MIV	2	MTL
30-51-7712		Trident Air Primer 3 barrel 2 location Location #1 - main pump Location #2 - RS MIV	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
30-51-7720	S	Additional air tank for air primer system An additional air tank is provided to improve air primer capacity and is provided with the International chassis.	1	MTL
30-52-1000		Master drain V/V, 12 port	1	MTL
30-52-2000		Drain valve for foam system header	1	MTL
30-52-4010	S	Foam System - Hypro FoamPro 1600 The 1-1/2" crosslay, 1-1/2" trash line and 2-1/2" crosslay outlet are to be foam solution capable as discussed at the pre-construction meeting of 11.11.2020.	1	MTL
30-52-9100		Foam concentrate label at foam tank fill	1	MTL
30-52-9200		Foam System Instruction Plates	1	MTL
30-52-9400		NFPA Foam System certification test	1	MTL
		WATER AND FOAM TANKS	1	MTL
40-11-2000		Polytank IIE water tank (US gallons)	1	MTL
40-11-2200		Water tank capacity certification (tank manufacturer)	1	MTL
40-11-7600		Tank capacity 3000 US Gallons	1	MTL
40-12-4600		Foam cell - 20 US gallon	1	MTL
40-21-0500		3" tank to pump connection	1	MTL
40-22-0500		2" tank fill connection	1	MTL
40-23-0500	S	3/4" water level gauge connection	1	MTL
40-23-1050		4" Fireman's Friend connection	1	MTL
40-23-1060		10" Newton dump connection	1	MTL
40-30-0500		Sump drain valve (3" gate valve) with linkage E	1	MTL
40-30-1100		Water Fill Box middle left side	1	MTL
40-31-4500		10" rear Newton dump, painted steel	1	MTL
40-31-5000		Newton dump - 36" telechute painted steel	1	MTL
40-31-5500		Electric operator for Newton dump, top mount Switch located on left side above the tail light module and lower rear flashing light (standard location).	1	MTL
40-31-5600		> Rotating dump chute for Newton dump painted steel ENG. NOTE: Requires top mount control on dump valve	1	MTL
40-31-5800		Support for rotating dump chute if necessary Engineering to determine if this support is required	1	MTL
40-31-9000	S	4" Storz rear fill, Fireman's Friend, bleeder Located right of dump line on rear. Extend out so an attached hose will clear dump chute.	1	MTL
		ELECTRICAL	1	MTL
50-11-0450		Base electrical system - International Diamond Logic multiplex	1	MTL
50-11-0600		Warning Light Certification	1	MTL
50-11-0700		Low Voltage Electrical system test	1	MTL
50-11-0800		Low Voltage Electrical System Documents As required by ULC and NFPA standards	1	MTL
50-11-0900		Rocker switch panel with master warning switch ***Rocker switches as supplied by chassis on dash, assignments as follows: MASTER -LIGHT BAR RED -LIGHT BAR CLEAR -REAR BEACONS -FLASHING WARNING -LEFT SCENE -RIGHT SCENE -REAR SCENE -REAR FLOODS	1	MTL
50-11-1400		Federal PA300 100 watt siren	1	MTL
50-11-1620	S	> Siren speaker, 100 watt, in front bumper ENG. NOTE: AS124 speaker 1570860	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-11-2600	S	Siren to be accessible to driver and officer	1	MTL
50-11-5900	S	Federal Emergency Light Package	1	MTL
50-11-59AA	U	Federal Alegiant Discrete ALGT61D-NFPA2 - 61" Red/White Department approved layout at the pre-construction meeting of 11.11.2020	1	
50-11-6501	S	Rear Directional Light not requested	1	MTL
50-11-90AA	U	Rear beacons (pr) Federal IVP SLR - Both red Model VSLR-R1 The top of the beacon to be even with the top of the body SOPT in file	1	
50-12-50AA	U	Front LED flashers (pr)-red Federal FireRay LED 6x4 - FR6RC-RW Located in upper and lower corners of chassis grille The flasher will be red/white split with a clear lens as confirmed at the pre-construction meeting of 11.11.2020	2	
50-12-51AA	U	Rear LED flashers (pr)-red Federal FireRay LED 6x4 - FR6RC-RW Located on rear outer panels - one pair directly above tail light module, one pair as high as possible (under outer marker lights) The flasher will be red/white split with a clear lens as confirmed at the pre-construction meeting of 11.11.2020	2	
50-12-52AA	U	Front side inter lts (pr)-red LED Federal FireRay LED 6x4 - FR6RC-RW The flasher will be red/white split with a clear lens as confirmed at the pre-construction meeting of 11.11.2020	1	
50-12-53AA	U	Body side inter lts (pr)-red LED Federal FireRay LED 6x4 - FR6RC-RW Located in rearward part of rear fender The flasher will be red/white split with a clear lens as confirmed at the pre-construction meeting of 11.11.2020	1	
50-12-54AA	U	Additional body side inter lts (pr)-red LED Federal FireRay LED 6x4 - FR6RC-RW Located in forward part of rear fender The flasher will be red/white split with a clear lens as confirmed at the pre-construction meeting of 11.11.2020	1	
50-21-1500	S	Rear floods (pr)-Unity - Halogen Note that these lights are also used as rear step lights and cannot be managed The lights will be standard Halogen	1	MTL
50-21-15AA	U	Akron Revel surface mount 12 volt scene lights - 3 total - LS, RS and Rear One RS and one LS upper mid point of side. One on rear centered as high as possible (under marker lights) Three separate switches in cab These lights can be managed to shed Model ELRE-SLDC - 14,000 lumens SOPT in file	1	
50-21-15BB	U	Akron Revel 12 volt telescoping light - 14,000 lum (ea) switched on pump panel Located one each side at front of pump house, push up style pole (PS), switched on pump panel, up indicator switch (UI), side mount bracket (SM2), handle cup (HC-2). These lights can be managed to shed Model ELRE-SLDC-PS-UI-SM2-HC-2 SOPT in file As confirmed at the pre-construction meeting of 11.11.2020	2	
50-21-5100	>	Compartment lighting - LED tube lights in each compartment (rollup doors) ENG. NOTE: Rollup doors only The low side compartments over the rear wheels will have 4" recessed LED lights due to spacing constraints	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
50-21-5500		Door Ajar warning light Light located on dash - supplied as part of chassis Diamond Logic package. Warning label in cab to read: "Do Not Move Apparatus when Light is on"	1	MTL
50-21-5550		Equipment rack not stowed warning light Light located on dash - supplied as part of chassis Diamond Logic package. Warning label in cab to read: "Do Not Move Apparatus when Light is on" One light for the left side equipment (PTS and LS Telelight) and one light for the right side equipment (LAS and RS Telelight)	2	MTL
50-21-8001		Step lights for body steps - 4" LED Switched when park brake is applied	1	MTL
50-21-8201	S	Step lights for chassis steps - LED Switched when park brake is applied	1	MTL
50-21-83AA	U	LED lighting for rear step and intermediate platform Switched when park brake is applied	1	
50-21-8600		LED clearance lts and reflectors	1	MTL
50-21-8800		LED intermediate turn signal/clearance/reflector length >30'	1	MTL
50-22-0700	S	Whelen 64 LED tail/brake-turn-backup module (pr)	1	MTL
50-31-6600	S	Ground lighting (4" LED) - 2 door chassis The chassis ground lights will be 4" round LED as discussed at the pre-construction meeting of 11.11.2020	1	MTL
50-31-6620	S	Ground lighting (4" LED) - side mount body The body ground lights will be 4" round LED as discussed at the pre-construction meeting of 11.11.2020	1	MTL
50-99-10AA	U	Hose bed cover lights - 40" LED lumabars under hose bed covers Switched when park brake is applied	1	
		BODY	1	MTL
60-10-1600		Tandem axle extruded aluminum body	1	MTL
60-10-4100		No "beavertail" rear step supports	1	MTL
60-10-4600		Painted fender surround E	1	MTL
60-10-4700		Integral aluminum fender trim	1	MTL
60-10-5400		> Diamondback pumphouse steps ENG. NOTE: Maximum height of step is 24" from ground	1	MTL
60-10-5430		> Diamondback 19" rear step ENG. NOTE: Maximum height of rear step is 24" from ground	1	MTL
60-10-6000		Extruded rub rail	1	MTL
60-11-0250		> Second front left side compartments intermediate height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0300		> Front left side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0650		> Second front right side compartments intermediate height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-0700		> Front right side compartments full height E ENG. NOTE: Specify critical dimensions in shop note	1	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-11-0900		> Rear left side compartments intermediate height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-1300		> Rear right side compartments intermediate height ENG. NOTE: Specify critical dimensions in shop note	1	MTL
60-11-1900		> Low side compartment (up to 18") each ENG. NOTE: Specify critical dimensions in shop note Specify type of door Specify flip up or drop down Specify which side of body	4	MTL
60-11-3100		No rear compartment E	1	MTL
60-11-4500		Flush mount aluminum door - single with "D" handle	4	MTL
60-11-5510		Rollup door - intermediate height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	4	MTL
60-11-5520		Rollup door - full height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	2	MTL
60-11-5660	U	Amdor pull straps for doors - Flex-HD for L1 and R1 Order with doors.	1	
60-31-4100		Extruded aluminum handrails Minimum 2" clearance from handrail to any surface	1	MTL
60-31-5500	S	Steps at rear of body (folding) with LED lights Maximum height between steps is 18" The steps will be on the left side of the body only to allow space for a customer supplied and installed Blitzfire monitor on the right side of the body. The folding step lights will activate with the park brake. As discussed at the pre-construction meeting of 11.11.2020	1	MTL
60-31-5600		Steps and grab handles at front of body next to pump panel Maximum height between steps is 18" - three (3) per side	1	MTL
60-31-5800	S	Full width intermediate step to load hose bed on rear There will be NFPA required delineation markings installed	1	MTL
60-31-6500	S	Compartment matting - plastic interlocking tile	1	MTL
60-31-7900	U	Vertical unistrut tracking for all compartments There will be unistrut tracking in the L3, R2 and R3 compartments for future installation of adjustable shelving. As discussed at the pre-construction meeting of 11.11.2020	3	
60-31-8000	S	BA bottle compt (ea)-fender well Three each side in fender (forward most, center and rearward most) Retaining loops included and door ajar switch required to interlock LAS and PTS Customer to specify make and model of cylinder to be stored Make - Scott Model - 4500 Diameter of cylinder - 7" Overall length of cylinder - 24" Photo of valve/cap (to ensure retaining loop will fit) As discussed at the pre-construction meeting of 11.11.2020	6	MTL
60-31-9600	S	> Adjustable shelf (ea) ENG. NOTE: Specify location	3	MTL

PART NO	S	DESCRIPTION	QTY	ID
		White reflective stripe is applied on the exposed edge for visibility when the compartment door is open. Customer to specify location of shelves and if full depth or shallow depth: Shelf #1 - L1 compartment - full depth Shelf #2 - L2 compartment - full depth Shelf #3 - R1 compartment - full depth As discussed at the pre-construction meeting of 11.11.2020		
60-32-3500	S	One adjustable hose divider and one fixed in center for hose bed cover support Hand hold required in end	1	MTL
60-32-7500		Hose bed - aluminum There will be a front partition that will protect the foam tower.	1	MTL
60-33-0000	S	Paint exterior - Imron Elite - Black to match cab *** Paint code and colour to match cab	1	MTL
60-33-0200		Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600		Chassis wheels not painted	1	MTL
60-33-1000	S	Paint pump and plumbing job colour - black The pump will be painted black to match job colour - as discussed at the pre-construction meeting of 11.11.2020	1	MTL
60-33-1500		Buffed finish compartment interior	1	MTL
60-33-2300	S	Lettering - special graphics *** Vinyl letters, Fire Department to provide details on location and text. Photos required to document what is required.	1	MTL
60-33-3150	S	Reflective stripe - 6" orange 50% of perimeter each side and 25% of perimeter front	1	MTL
60-33-3310	S	Reflective stripe - Orange and yellow chevron at rear Minimum 50% of rear vertical surface. The Chevrons will be Orange and yellow as requested by the Fire department at the pre-construction meeting and they are aware that this will not meet NFPA 1901. The department will sign the Statement of Exception. Date that Statement of Exception arrived at Metalfab: 02.12.2021	1	MTL
60-33-3600		Reflective stripe - inside entry doors 96 square inches minimum of white reflective will be installed inside each cab entry door	1	MTL
60-33-4600		Aluminum cover over crosslays - with end tarps (black) Small tarps with velcro straps to enclose each end are provided.	1	MTL
60-33-5000		Aluminum cover over hose bed with end tarps - black E The cover will stop at the front divider beside the foam fill tower. There will be a hole in the cover above the water fill tower to allow the water fill tower cover to open Doors will be wired to the door ajar circuit. Rear flaps with velcro straps will be provided on the rear of the cover to tie around the rear handrail	1	MTL
60-40-5500	S	Suction hose tube (each) with door Door ajar switch required for doors. For storage of 6" x 15' suction hoses. K&T to provide dimensions of suction hoses; OA length - _____" Diameter of couplings - _____" Overall dimension of long handle couplings - _____" Both tubes to be designed for standard 6" x 15' suction hoses - there will not be a barrel strainer left installed on a hose - as discussed at the pre-construction meeting of 11.11.2020	2	MTL

PART NO	S	DESCRIPTION	QTY	ID
60-41-6001	S	<p>> Zico hydraulic portable tank rack ENG. NOTE: Specify mounting location desired. If Portable tank is customer supplied, specify overall dimensions when the tank is in stored position</p> <p>Left side. K&T to supply size, make, model and dimensions of portable tank to be stored. Size - 3000 US Gallons Make - Fol Da Tank Model - FDTA-3000-Alum OA Length - 13'-3" Height - 29" Depth/thickness when frame is folded - 8" To be wired so only operable when park brake is engaged, compartment doors over rear wheels and SCBA tube doors are closed. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body. As discussed at the pre-construction meeting of 11.11.2020</p>	1	MTL
60-41-6010		<p>ZICO PTS switched at rear above tail light Switch is located on same side as electric rack - left side</p>	1	MTL
60-41-6110	S	<p>Painted plate on exterior of Zico PTS - black to match job color</p>	1	MTL
60-41-7100		<p>Tread plate on body behind porta tank rack</p>	1	MTL
60-41-9000	S	<p>> Zico electric Ladder Access system ENG. NOTE: Specify mounting location desired. If ladder(s) are customer supplied, specify overall length and width, width between side rails, rung spacing; also specify ladder brand and model</p> <p>Right side. K&T to quantity of ladders, make, and model of ladders to be stored. Make - Alco Lite - Model - 14' Make - Alco Lite - Model - 24' To be wired so only operable when park brake is engaged, compartment doors over rear wheels and SCBA tube doors are closed. Flashing lights and reflective tape required at front and rear to indicate any areas that protrude beyond the body. As discussed at the pre-construction meeting of 11.11.2020</p>	1	MTL
60-41-9010		<p>ZICO LAS switched at rear above tail light E Switch is located on same side as electric rack - right side</p>	1	MTL
60-41-9100		<p>Manual locking system for LAS Install information label at switch location to instruct operator to release locks prior to lowering the ladder.</p>	1	MTL
INSTRUMENTATION				
70-11-0000		<p>Warning Label on Pump Operator's Panel</p>	1	MTL
70-11-0500		<p>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</p>	1	MTL
70-11-1500		<p>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</p>	1	MTL
70-11-2200	U	<p>Trashline hosewell in left side pump panel step area The discharge will be located on the left side pump panel and the pre-connected hose will be covered by a vinyl tarp with shock cord to restrain the hose. The storage shall float in the cradle to prevent damage on uneven road surfaces</p>	1	

PART NO	S	DESCRIPTION	QTY	ID
		as discussed at the pre-construction meeting of 11.11.2020 SOPT in file.		
70-11-3200		Colour coded tags	1	MTL
70-11-4500		Diamondback grip type panel hood step right side There will be NFPA required delineation markings installed	1	MTL
70-11-4600	S	Diamondback grip type panel hood step left side There will be NFPA required delineation markings installed Note: The NFPA required non-slip grip strut surface may damage hoses. Department to approve they understand the potential issue: The customer understands that we must install a non-slip surface to pass the NFPA performance test. As discussed with Tom York by phone on 11.16.2020	1	MTL
70-11-5100		Open storage at rear top of pump house The storage area will be illuminated with LED lights and there will be drains in the corner of the storage - drains will be plumbed to an area below the chassis frame rails.	1	MTL
70-11-5500		Right side tread plate pump access door No opening dimension less than 18"	1	MTL
70-11-7500		Heat pan-aluminum	1	MTL
70-11-8100		Heater in pump compartment not requested	1	MTL
70-20-1110	U	4-1/2" compound gauge - PSI only 0-400 To be within 8" of each other - edge to edge	2	
70-20-2120	U	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	8	
70-20-2500	S	Trident Primer control - main pump	1	MTL
70-20-2501	S	Additional Trident Primer control - for RS MIV pre-prime	1	MTL
70-20-3300		FRC InControl Governor Control Throttle can be no lower than 42" and no higher than 72" from operator's standing position.	1	MTL
70-20-3510		Electric water level gauge on pump panel and at rear, Class One	1	MTL
70-20-6500		Test gauge panel Mount below the compound gauges for proper draining	1	MTL
70-21-1600	S	Electric Foam Level gauge not requested	1	MTL
70-21-5500		Panel readout for Battery Conditioner Located on left side pump panel.	1	MTL
		ACCESSORIES	1	MTL
80-11-05AA	U	All the below components and accessories supplied and installed by K&T	1	
80-13-0500	S	Rubber mallet - by K&T	1	MTL
90-90-9000	U	110 Volt power to three (3) high side compartments TBD with duplex outlets - by K&T	1	
90-90-9001	U	110 volt power to console - duplex outlet - by K&T	1	
90-90-9002	U	12 Volt power to front left high side compartment - by K&T	1	
90-90-9003	U	6" x 15 ft suction hose (ea) - by K&T	2	
90-90-9004	U	6" jumbo strainer box - by K&T	1	
90-90-9005	U	Portable tank - size TBD - by K&T	1	

