



Corporation of the Municipality of West Elgin 22413 Hoskins Line, PO Box 490 Rodney, ON N0L 2C0

Terms:

Sales Rep: Ryan Stacey Chassis Net 10 Days Metalfab Ltd. Body and Equipment COD

Drawing #: FT-10915

Est. Delivery Date: //

Customer PO #: Penalty: None Customer #: 1590

QPF#:

Quote No: EWEON-0014 Job/Order No: 19628 / 1962

10/05/2017			age 1
PART NO	QTY	DESCRIPTION	
	1	== Metalfab Pumper - ULC 05/13 - 0.000 ==	
	1	CHANGE ORDER G	
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	
00-20-1800	1	PolypropyleneTank Lifetime Warranty	
00-20-2100	1	Plant Inspection Visits	
		Pre Delivery inspection - 2 persons	
00-20-2800	1	10% Bid Bond required (Canada)	
00-20-3500	1	Certification for Fusion Welding of Aluminum	
00-20-4000	1	Quality System registered to ISO 9001:2008	
00-20-4500	1	Fire Apparatus Manufacturers' Association Membership	
	1	GENERAL INFORMATION	
10-11-0000	1	Intent	
10-11-0105	1	Vehicle Data Recorder not requested E	
10-11-1100	1	ULC S515-13 Compliance	
10-11-1500	1	ULC Testing - Pumper	
10-11-2100	1	Maximum length - 432"	
10-11-2200	1	Maximum height - 120"	
10-11-2400	1	Overall length is 30' or more	
10-11-2500	1	General Construction	
10-11-2600	1		
10-11-3000	1	Manuals - two copies	
		***Two copies of manuals are required.	
10-11-3600	1	Delivery - FOB Fire Department - by Carrier	
10-11-4000	1	Payment Terms - Chassis Net 10 days, Balance COD	
10-20-1000	1	Hose bed capacity - standard ULC Pumper	
10-20-2000	1	Equipment carrying capacity - standard ULC Pumper	
	1	CHASSIS INFORMATION	
20-11-1000	1	Chassis supplied by Metalfab- International 4 door, 350 HP, 1000 lb-ft torque	
		International 4400 SBA four door	
		40,600 lb GVW 14,600 lb front axle, 26,000 lb rear axle	

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PART NO Q	ΤY	DESCRIPTION
		272" wheel base, 161" cab to axle
		Cummins L9 350 HP @ 2000 rpm, 2200 governed rpm, 1000 lb-ft torque @ 1400 rpm
		Allison 3000 EVS automatic transmission, 325 amp alternator
		189 liter fuel tank
		Polished aluminum wheels
		2303 Red
		Driver and officer seats are air ride standard back
		Crew seats (3) are fixed and SCBA back
		· ·
20-11-1500	1	2013 Emission chassis modifications
20-11-1600	1	Chassis Motor Vehicle Inspection by Carrier
20-21-0500	1	Fluid capacity plate
20-21-0600	1	Pumping test plate
20-21-1030	1	Maximum riders sign - 5 persons
20-21-1510	1	Seat belt warning labels - 4 door chassis
20-21-1530	1	Tire Pressure Indicators - Single Axle
20-21-1600	1	Apparatus Information Label
		An information label is provided in the chassis cab, visible to the driver, stating:
		"When manufactured, this vehicle was:
		** m high
		** m long
		** kg GVW
		Changes in height since the apparatus was manufactured shall be noted on this plate by the Fire
		Department"
20-21-2000	1	Non removable key
20-21-2500	1	Shifter lock not required E
20-21-3500	1	Rear step warning label
20-21-3800	1	Front mudflaps
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-31-0200		Fuel fill label -Ultra Low Sulfur Diesel only
20-31-1100	1	Alum tread fuel tank covers, diamond grip steps, Conv - 4 dr
		Aluminum tread plate is installed each side over fuel tank and battery box. Aluminum
		diamond grip steps are also installed to match body steps.
		Provide access to batteries.
		Similar layout as Huntsville M17-19091 except for location of air and 120 Volt inlets
20-31-1900	1	Chassis cab painted by chassis OEM
20-31-7500	1	Console in cab
		Install siren and pump shift in console.
		Storage area with hinged cover and lift and turn latch provided at rear of console.
		Gray Zolatone finish
		Customer to review 3D rendering of console layout prior to fabrication
		Install customer radio per 50-35-0500
20-41-0600	1	Intake air shutoff for engine not requested
20-41-0900	1	Auxiliary braking system disabled when pumping
20-41-1100	1	Transmission programming - Allison WT
		***Includes "Pump Engaged" light next to pump shift on chassis instrument panel.
20-41-1500	1	Extend exhaust pipe - RS front of rear wheels E
		Engineering to specify exhaust pipe material as required by the chassis manufacturer.
		Engineering to sign off on the exhaust configuration to make sure it meets the chassis
		manufacturer's emission specifications.
20-41-1801	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
20-41-5000	1	Rear Tow Hooks - under body
		*** Flat bar tow hooks under rear step (2)

PART NO 20-51-2500 1 Back up alarm included with chassis 20-51-2600 21-20-51-26000 21-20-51-26000 21-20-51-26000000000000000000000000000000000000	10/05/2017		Page 3
Back up alarm included with chassis 20-51-6200 1 Protection valve installed for air operated accessories 120 volt 20 A shore line connection Standard 5-20R duplex receptacle, not fused One located in the right side compartment over rear wheels - located low on the back wall forward One located in the right side compartment over rear wheels - located low on the back wall forward One located in cab on back wall/seat base for the Kussmaul Autocharge to plug into (must be minimum 12" off floor to meet ULC).			
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30-32-8000 1 Suction - 2-1/2" right side, bleeder, Hale manifold pump		1	
		1	
30-40-2010 1 4" right discharge TM, plumbed 3", Hale manifold pump			
	30-40-2010	1	4" right discharge TM, plumbed 3", Hale manifold pump

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PART NO QTY	DESCRIPTION
30-41-2010 1	2-1/2" RS discharge TM, bleeder, Hale manifold pump
30-41-2510 2	
30-43-1510 1	
30-43-1310	
	*** Right side under ladder tube
30-44-0510 2	1-1/2" crosslay (each) TM, 2" valve, bleeder
	Replaces speedlays under walkway
	Each crosslay to accommodate 200' x 1-3/4" hose with nozzle
20 54 0500	Dump obiff Midobin oir
30-51-0500 1	
	***Includes "Pump Engaged" and "OK to Pump" indicator lights on chassis instrument
	panel
	***Includes "Throttle Ready" indicator light on Pump operating panel
	Located in Console 20-31-7500
30-51-0700 1	Pump Gearbox mounted manual over ride for pump shift E
	FRC InControl Governor/Throttle engine display with throttle knob
	Suction side relief V/V, manifold pump
30-51-7700 1	
	Indicator light on panel to show when primer is operating
30-51-8100 1	Heat exchanger included with chassis
	Master drain V/V, 12 port
	Drain valve for foam system header
30-52-4010 1	· · · · · · · · · · · · · · · · · · ·
	The 1-1/2" crosslay outlets are to be foam solution capable.
30-52-9100 1	Foam concentrate label at foam tank fill
30-52-9200 1	
30-52-9400 1	NFPA Foam System certification test
1	
40-11-2100 1	Polypropylene water tank (Imperial gallons)
40-11-2200 1	Water tank capacity certification (tank manufacturer)
40-11-5000 1	
40-12-4500 1	Foam cell - 20 Imperial gallon
40-21-0500 1	3" tank to pump connection
40-22-0500 1	•
	1" water level gauge connection
	4" Fireman's Friend connection
	3" plug in sump box
40-30-1000 1	Water Fill Box front left corner
40-31-0400 1	Rear dump valve not requested E
	4" Storz rear fill, Fireman's Friend
130.000	Inside back compartment as shown on the proposal drawing
	money was a company and and an one one one one of the proposal and ming
4	EL ECTRICAL
1	ELECTRICAL Record of a strict
50-11-0450 1	Base electrical system - International Diamond Logic multiplex
	Step lights, ground lights, hose bed lights, engine compartment lights, and pump
	compartment lights are illuminated when the park brake is set
50-11-0600 1	Warning Light Certification
	Low Voltage Electrical system test
	Low Voltage Electrical System Documents
30-11-0000 T	
	As required by ULC and NFPA standards
50-11-0900 1	3
	***Rocker switches and warning lights in dash as supplied with the chassis
	Assignments as follows:
	MASTER
	-LIGHT BAR RED
	-LIGHT BAR CLEAR
	-LIGHT DAN GLEAN

10/05/2017		Page 5
PART NO QTY		
	-REAR BEACONS	
	-FLASHING WARNING	
	-LEFT SCENE	
	-RIGHT SCENE	
	-REAR SCENE	
50-11-1400 1	Federal PA300 100 watt siren	
	Located in Console 20-31-7500	
50-11-1625 1	Siren speaker,100 watt, behind chassis grille	
50-11-2600 1	• • •	
50-11-6100 1		
50-11-6600 1	· · · · · · · · · · · · · · · · · · ·	
50-12-8520 1		
50-12-8610 1		
00 12 0010	Upper level below suction hose tubes	
	Opper level below suction flose tubes	
50-12-8710 1	Front side inter Its (pr) - Whelen red LED 600 with integral flasher	
	l	
50-12-8810 1 50-12-8905 2		
30-12-0903 Z	Add'l body side inter Its (pr)-Whelen red LED 600 with integral flasher	
	Upper side front and rear corners	
50.04.0540	FDO (all and all and ADECTED ADVISED A	
50-21-2540 2	FRC telescoping SPECTRA LED 12V flood (ea)	
	SPA530-Q15-ON-SR-SW	
	Mount on back of cab as shown on the proposal drawing	
	Switched on light head.	
	Wired to the electric management system to shed.	
	Wired to door ajar system to indicate when not stowed.	
50-21-29AA 1		
50-21-5100 1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
50-21-5500 1	· · · · · · · · · · · · · · · · ·	
	Bilingual Warning label in cab to read:	
	"Do Not Move Apparatus when Light is on"	
50-21-8001 1		
	Illuminated when the park brake is set	
50-21-8110 1	Step lights for walkway - 4" LED	
50-21-8201 1	LED step lights for four door chassis - to meet ULC	
	Illuminated when the park brake is set	
	·	
50-21-83AA 1	Lighting for Zico rear access ladder to meet ULC	
50-21-8600 1		
50-21-8800 1		
50-22-0750 1		
50-31-6560 1		
	Illuminated when the park brake is set	
50-31-6580 1	Ground lighting (LED Lumabar) - top mount body	
30-31-0000	Illuminated when the park brake is set	
	mammated when the park brake is set	
50-35-0560 1	VHF antenna with base - commercial chassis	
30-33-0300		
	Mounted on chassis roof behind light bar	
E0 00 0040 4	20" lumphor for room again ladder	
50-99-0010 1		
	Required as Unity floods are not present	
	Illuminated when park brake is set	
50.00.0000	400 home have few years of an Bahili and a	
50-99-0020 1	3 · 3 · 7	
	Required as Unity floods are not present	

10/05/2017			age 6
PART NO	QTY	DESCRIPTION Illuminated when park brake is set	
		illuminated when park brake is set	
50-99-10AA	1	Hose bed cover lights - LED to meet ULC	
		Illuminated when the park brake is set	
50-99-15AA	3	Spectra SPA900-Q70 12 VDC Scenelight (pr) Part number 1570904	
		One each upper corner left side, inboard of red flashing lights - switched in cab	
		One each upper corner right side, inboard of red flashing lights - switched in cab	
		One each upper corner rear of body below red flashing lights - switched in cab	
		Rear scene lights required for ULC compliance and cannot be shed; side scene lights to	be
		shed with load manager.	
	4	DODY	
60-10-1400	1	BODY Single axle extruded aluminum body	
60-10-1400			
60-10-4500	1	Aluminum tread plate fender surround - single axle	
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	
60-11-0300	1	Front left side compartments full height E	
60-11-0700 60-11-1000	1	Front right side compartments full height E Rear left side compartments full height E	
60-11-1400	1	Rear right side compartments full height E	
60-11-2000	2	High side compartment (over 18") each	
60-11-3200		Full Height Rear compartment	
60-11-5500		Rollup door - standard height	
		Natural aluminum finish	
		Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	
60-11-5520	5	Rollup door - full height	
00-11-3320	J	Natural aluminum finish	
		Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point	
60-11-5650	6	Roll up door pull down strap (ea)	
		One required for each left and right side roll up doors	
60-31-4100	1	Extruded aluminum handrails	
00-31-4100	'	Minimum 2" clearance from handrail to any surface	
		Thin in 2 dicaration from flatial at the arry carriage	
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)	
		Right side only as shown on the proposal drawing, include 2 above tail lights to accessuction hose tube.	55
		Steps have integral LED lights to meet ULC.	
		Maximum height between steps is 18"	
60-31-5600	1	Grab handles at front of body next to pump panel	
		Vertical handrails to access the walkway as shown on the proposal drawing.	
60-31-6500	1	Compartment matting Turtle tile	
60-31-8000		Compartment matting-Turtle tile BA bottle compt (ea)-fender well	
30 07 0000	7	Customer to specify make and model of the cylinders to be stored to ensure fit.	
		Make/Model - Scott 30 min carbon fiber	
		Diameter of cylinder - 6-1/2"	
		Overall length of cylinder including valve - 24"	

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PART NO	QTY	DESCRIPTION
60-31-8200	3	Sliding vertical tool board
		Left side rear compartment - evenly spaced
		Punched with hole grid to match PAC mounting brackets bolt centers.
60-31-8700	4	Sliding tray (ea) - 400 pound capacity with gas strut
		Slide out trays are full width and are installed on the compartment floors in the following locations:
		L1 left side front compartment
		R1 right side front compartment
		R3 right side rear compartment
		B1 back compartment
		Reflective stripe is applied on the exposed edge for visibility when the compartment door is open
		Tronocare carpe to approve an analysis of the second control of th
60-31-8710	1	Adjustable sliding tray with gas strut
		Install in compartment R3
60-31-9600	7	Adjustable shelf (ea)
		1 - R1 right side front compartment upper (shallow)
		1 - R2 right side middle compartment (shallow)
		2 - R3 right side rear compartment upper (shallow)
		2 - L1 left side front compartment lower (full depth)
		1 - B1 back compartment (full depth)
		Reflective stripe is applied on the exposed edge for visibility when the compartment door is open
		Tronocaro carpo lo applica cir allo orposta sugo lo miliano, miliano,
60-31-9600	2	Additional adjustable shelves (ea)
00 0. 01.		Install additional adjustable shelves as below:
		1 - Compartment B1
		1 - Compartment L1
		Reflective stripe is applied on the exposed edge for visibility when the compartment door is open
		Trendente on pe to applied on the orposed edge to. I.S
60-32-3550	1	Two adjustable hose divider (each)
00 02		Hand hold required in end
		Two adjustable hose bed dividers and one fixed in center to support hose bed covers
		THO adjustants field was division and one mineral
60-32-7500	1	Hose bed - aluminum
60-33-0000	1	
00 00 000		*** Paint code and colour red to match cab
		Turn out und octobrito to the matter of the
60-33-0200	1	Undercoat vehicle with KROWN rust protection
60-33-0600		Chassis wheels not painted
60-33-1000		Paint pump and plumbing job colour
60-33-1500		Buffed finish compartment interior
<i>60-33-2200</i>	1	·
00 00 2200	-	*** Vinyl letters, Fire Department to provide details on location and text.
		Villy Tottoro, I no boparation to promise actains and actains and actains
60-33-3000	1	Price Adjustment
60-33-3300		Reflective stripe - special graphics
00 00 00		50% of perimeter each side and rear, 25% of perimeter front
		Reference photos provided
		1.25" gold reflective
		1.5" space
		4" gold reflective
		1.5" space
		1.25" gold reflective
		Hockey stick up through L1/R1
		Special termination on chassis hood
		Customer logo on each cab door (please provide digital file)
		Large lettering above doors each side
		Large following above according to
60-33-3310	1	Reflective stripe - red and yellow chevron at rear
00 00 00		Minimum 50% of rear vertical surface
		millimin ou /o or roa. Totaloa. Gariago

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PART NO	QTY	DESCRIPTION
60-33-3600	1	Reflective stripe - inside entry doors
		96 square inches minimum inside each cab and crew cab entry door
60-33-4600	1	Aluminum cover over crosslays - with end tarps (black)
		Aluminum tread plate hinged cover with hood latches shall be provided. Small tarps (black)
		are attached to cover with quarter turn mechanical fasteners. The free end is fitted with
		Velcro straps which are fastened through footman loops located below the crosslay
		horizontal hose rollers.
00 00 5000		Alone in our account of the analysis and towns to be also be
60-33-5000	1	Aluminum cover over hose bed with end tarps - black
		Gas struts are mounted at the front to assist in opening. Rear tarps are attached to the cover
		with mechanical quarter turn fasteners. These are fitted with Velcro straps which are secured with footman loops located horizontally above the rear handrail.
		secured with roothian loops located horizontally above the real handrall.
60-40-5500	2	Suction hose tube (each) with door
00 40 0000		Located as shown on the proposal drawing on outer sides of body over compartments for
		storage of the 6" x 10' suction hoses 80-11-5000. One each side, rear access.
		Doors will be smooth painted aluminum with a lift and turn latch.
		Switches will be installed and wired to the door ajar warning system in cab.
		3 , 1 .
60-40-9000	1	Tube mount for ladders, with rear door
		Rear access at right rear of body as shown on the proposal drawing to house the 24' two
		section ladder 80-14-0500 and the 14' roof ladder 80-14-5500. Ladders will slide on UHMW.
		Door will be smooth painted aluminum with a "D" handle type latch.
		A switch will be installed and wired to the door ajar warning system in cab.
60-41-1000	2	Pike Pole tube incorporated with 60-40-9000
		Storage tubes for two 10' pike poles 80-13-2500 incorporated under the ladder slideways.
00 44 4045	•	Bills Balls (1.1) and (1.1)
60-41-1015	2	Pike Pole tube in suction hose tube
		Storage tube for 10' pike pole 80-13-2500 incorporated in each suction hose tube 60-40-5500.
60-41-1500	1	Attic ladder tube incorporated with 60-40-9000
00 41 1000	•	Storage tube for the 10' attic ladder 80-14-8500 incorporated under the ladder slideways.
		otorago tabo for the for attic ladder of 14 coop moniporated and in ladder endowayer
60-99-0010	1	PAC BOARD vertical divider R1 sliding tray
		Provide a vertical transverse partition in the R1 sliding tray centre fitted with PAC BOARD each
		side. Each side of the partition is approximately 36" high x 25" deep and the slots are oriented
		horizontally.
		Four 50" lengths of PAC BOARD will be required (4 x 7000-50 1562630)
		Equipment mounts not provided
70 44 2555	1	INSTRUMENTATION
70-11-0000	1	Warning Label on Pump Operator's Panel
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
70-11-2000	1	Top mount instrument panel
70-11-2000	1	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
70-11-2500	1	Transverse walkway
70-11-2600	1	Tread plate overlay on back of chassis cab
70-11-3000	1	Mansaver bars with yellow covers (pr)
		Located one each end of transverse walkway, located to clear telescoping floods
70-11-3200	1	Colour coded tags
70-11-3501	1	Compartments in ends of walkway not requested
70-11-4000	1	Stainless steel side panel hood right side

70-11-4100 1 Stainless steel side panel hood left side 70-11-5500 1 Right side tread plate pump access door No opening dimension less than 18" 70-11-5600 1 Left side tread plate pump access door No opening dimension less than 18" 70-11-5700 1 Transverse tread plate pump access door No opening dimension less than 18" 70-11-5700 1 Transverse tread plate pump access door No opening dimension less than 18" 70-11-5700 1 Heat pan-aluminum Heater in pump compartment 4-1/2" compound gauge - dual face 0-600 To be within 8" of each other - edge to edge 70-20-1500 7 2-1/2" pressure gauge - dual face 0-600 Gauge to be no more than 6" from edge of the gauge to the center of the control. 70-20-2500 1 Primer control 70-20-3300 1 FRC InControl Governor Control Throttle can be no lower than 42" and no higher than 72" from operator's standing position. 70-20-3500 1 Remote PSTANK water level indicators each side, rear with driver Interlock with park brake so powered only when the park brake is set. Locate side PSTANK displays horizontally inboard of forward scene lights Locate rear PSTANK displays horizontally below LS rear scene light 70-20-6500 1 Test gauge panel	10/05/2017			Page 9
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Slot required for Primer level viewing			No opening dimension less than 18"	
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	80-18-0500	4		
SCBA specifications per 60-31-8000				
			SCBA specifications per 60-31-8000	

PART NO	QTY	DESCRIPTION
80-18-0600	3	SCBA brkt w/strap - ZICO ULLH - crew cab mount SCBA specifications per 60-31-8000
		SCBA specifications per 60-31-8000