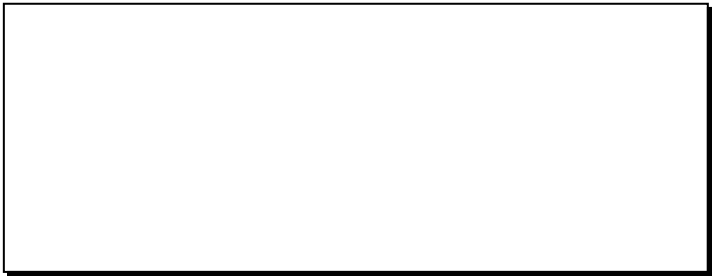




Shop Order

Municipality of the District of Guysborough
 Shawn Andrews Deputy Chief Administrative Of
 33 Pleasant Street
 PO Box 79
 Guysborough, NS B0H 1N0
 1-902-533-3705 X231
 sandrews@modg.ca



Sales Rep: Ryan Stacey	Terms: Chassis Net 10 days Body and Equipment COD
Drawing #: FT-11655	
Est. Delivery Date: / /	
Customer PO #:	Penalty:
Customer #:	None
QPF #:	

Exp. Date: 09/27/2023
Quote No: RGUNS-0008
Job/Order No: 23151
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

09/23/2025

PART NO	QTY	DESCRIPTION
== Metalfab Pumper - ULC 05/13 - 0.000 ==		
Change Order B		
00-05-0010	1	Dealer - Metalfab
00-10-1500	1	Metalfab Pumper
00-20-0500	1	List of References not provided
00-20-1000	1	Company Profile
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	Polypropylene Tank Lifetime Warranty
00-20-2100	1	Plant Inspection Visits
		1 prepaint inspection
00-20-3000	1	No Bonding Required
00-20-3500	1	Certification for Fusion Welding of Steel and Aluminum
00-20-4000	1	Quality System registered to ISO 9001:2015
00-20-4500	1	Fire Apparatus Manufacturers' Association Membership
GENERAL INFORMATION		
10-11-0000	1	Intent
10-11-0110	1	Vehicle data recorder included with chassis
10-11-1101	1	ULC S515-13 and NFPA 1901-2016 Compliance
10-11-1500	1	ULC Testing - Pumper - Imperial units of measure

PART NO	QTY	DESCRIPTION
10-11-2100	1	Maximum length - 330"
10-11-2200	1	Maximum height - 122"
10-11-22AA	1	Maximum Width - 118"
10-11-2300	1	Overall length is less than 30'
10-11-2500	1	General Construction
10-11-2600	1	Preconstruction Meeting
10-11-3000	1	Manuals - two copies ***Two copies of chassis manuals are required.
10-11-3600	1	Delivery - FOB Fire Department training - 1 to 2 days for 24 persons
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
		CHASSIS INFORMATION
20-11-1000	1	Chassis supplied by Metalfab Freightliner M2 106 PLUS 12-26 axles, 38,000 GVW 207" WB, 141" CA, 70" AF Cummins B6.7-360 HP @ 2600/800 torque @ 1800 Allison 3000EVS 5 speed, RPL10 driveline with 17T yokes 50 USG fuel tank, ESC, auxiliary air tank Two person cab, exterior visor, electric windows, no rear window, dual air horns on hood with dual lanyards L5994EY red, sprayout to be approved _____ Confirm RS exhaust is acceptable with RS pump panel _____ Full chassis specification is in Basecamp in the job folder Metalfab will install a switch on the chassis dash to control high idle through the Pump Governor with the appropriate interlocks
20-11-1500	1	2013 Emission chassis modifications
20-11-1700	1	Chassis Motor Vehicle Inspection required - As by Chassis Dealer
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
20-21-1550	1	Tire Pressure Indicators included with chassis
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
20-21-3500	1	Rear step warning label
20-21-3810	1	Front mudflaps provided with chassis
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only

PART NO	QTY	DESCRIPTION
20-31-0500	1	Alum tread fuel tank trim, Conv - 2 door Vertical trim LS only, OEM cab steps remain Chassis provided with polished tread plate cover RS
20-31-1900	1	Chassis cab not painted
20-31-7500	1	Console in cab Install 50-11-0900 switch panel, 50-11-1400 siren, 50-11-6616 TACTL5 control 50-35-0500 customer radios (2), and 30-51-0500 pump shift in console. Storage area with hinged cover and lift and turn latch provided at rear of console. Gray zolatone finish Console is not a standard Freightliner console, it is to be similar to last truck Job 17370 - but changes on two levels at back of console - one level even with top of console and then a raised portion behind for another row of chargers. Dimensions of chargers = 17.5" long x 7" wide x 4" high (for 6 x APX 2000 portable radios) Customer has approved layout Provide one radio faceplate for Motorola XPR 2500, second faceplate to be blank
20-41-0600	1	Intake air shutoff for engine not required
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 Engineering to specify exhaust pipe material as required by the chassis manufacturer. Engineering to sign off on the exhaust configuration to make sure it meets the chassis manufacturer's emission specifications.
20-41-1900	1	Battery boost terminals with chassis Included with chassis
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) by Metalfab
20-51-0710	1	Master Battery Disconnect included with Freightliner chassis
20-51-2500	1	Back up alarm included with chassis
20-51-3400	1	Protection valve installed for air operated accessories
20-51-4000	1	Auto eject for air inlet - LS cab step area
20-51-6200	7	120 volt 20 A shore line connection in chassis cab and body Standard 5-20R duplex receptacle in chassis cab and body, not fused - 3 in cab - spaced out on back of console - 2 in L1 - high in forward and rear corners of comp - 2 in R1 - high in forward and rear corners of comp
20-51-6500	1	Kussmaul Autocharge 1000 battery conditioner w/battery saver Mount on the back of the 20-31-7500 console
20-51-7500	1	Super Auto eject for 120 v - 20 A with sealed enclosure LS Cab step

PART NO	QTY	DESCRIPTION
20-51-8505	1	Engine compartment light included with chassis Switched in cab and with hood switch
20-52-3500	1	Chassis steering wheel lined up by Metalfab
20-52-40AA	1	Zone Defense Camera - Rear and LS cameras, 7" monitor in cab and RS pump panel Install LS camera on cab between hood and LS door to view down the side of the vehicle Monitor in cab mounted on top of the dash on RAM mount
20-60-0400	1	Chassis wheelbase does not change
PUMP AND PLUMBING		
30-11-5600	1	Hale QFLO Single stage 1050 IGPM
30-12-3300	1	Mechanical seal for Hale QFLO pump
30-15-0104	1	Plumbing - Hale manifold pump SM SS
30-20-0500	1	Valves and controls - side mount panel - Right Side Panel
30-20-1002	1	Akron valves specified
30-20-1600	1	Piping stainless steel - general
30-20-1700	1	1-1/2" thread specifications - NPSH
30-20-1800	1	2-1/2" thread specifications - Nova Scotia Standard Thread - NSZ1
30-20-2000	1	Piping hydrostatic test
30-20-2500	1	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. Order with pump
30-21-5560	1	Tank to Pump SS 3" w/ check valve manifold pump
30-22-0520	1	Tank Fill valve 2" SS
30-31-4010	1	Suction - 6" not gated each side manifold pump
30-31-7200	2	Hale master intake suction valve - electric control *** Suction to be gated is_LS and RS 6" suction Order with pump
30-32-8040	1	Suction - 2-1/2" right side SS, bleeder, Hale manifold pump
30-40-2520	1	4" left discharge SS, plumbed 3", Hale manifold pump
30-41-2020	2	2-1/2" RS discharge SS, bleeder, Hale manifold pump
30-41-2520	1	2-1/2" LS discharge SS, bleeder, Hale manifold pump
30-43-1520	1	2-1/2" rear discharge SS, plumbed 2-1/2", bleeder ***center rear as per drawing
30-44-0520	1	1-1/2" crosslay (each) SS, 2" valve, bleeder
30-44-3520	1	2-1/2" crosslay SS, plumbed 2-1/2", bleeder Include 1501247 adapter
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
30-51-1500	1	Power shift PTO - Automatic transmission For hydraulic generator

PART NO	QTY	DESCRIPTION
30-51-1501	1	PTO driveshaft For hydraulic generator
30-51-6800	1	FRC InControl Governor/Throttle engine display with throttle knob plus High Idle Provide a high idle switch on the chassis dash to provide stationary high idle with the appropriate interlocks to meet ULC
30-51-7005	2	Suction side relief V/V, manifold pump Mounted outboard of each MIV
30-51-7713	1	Trident Air Primer 3 barrel 3 location For pump, LS and RS inlets
30-51-77AA	1	Additional air tank for air primer sytem - included with chassis
30-51-8040	1	Heat Exchanger by Metalfab Not available with chassis
30-52-1000	1	Master drain V/V, 12 port
30-52-3001	1	Foam system not requested
WATER AND FOAM TANKS		
40-11-2100	1	Polypropylene water tank (Imperial gallons)
40-11-2200	1	Water tank capacity certification (tank manufacturer)
40-11-5000	1	Tank capacity 1000 Imperial Gallons
40-21-0500	1	3" tank to pump connection
40-22-0500	1	2" tank fill connection
40-23-0500	1	3/4" water level gauge connection
40-30-0400	1	3" plug in sump box
40-30-1000	1	Water Fill Box front left corner Move towards centre if necessary to clear the top suction hose tray 60-40-5000
40-31-0400	1	Rear dump valve not requested
40-31-8001	1	4" Storz rear gtd fill Includes bleeder valve, 30 degree droop, blind cap
ELECTRICAL		
50-11-0300	1	Base electrical system - multiplex
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 - IN CONSOLE ***Rocker switch assignments: MASTER -LIGHT BAR RED -LIGHT BAR CLEAR -REAR BEACONS -FLASHING WARNING -REAR FLOODS -LEFT SCENE -RIGHT SCENE -REAR SCENE

PART NO	QTY	DESCRIPTION
50-11-1400	1	Federal PA300 100 watt siren whelen ok if better delivery
50-11-1620	1	Siren speaker, 100 watt, in front bumper - Federal AS124 whelen ok if better delivery
50-11-2600	1	Siren to be accessible to driver and officer
50-11-6100	1	Whelan F4N0QLED LED light bar NFPA WECAD attached for customer approval
50-11-6616	1	Rear LED Traffic Advisor warning lights - TAM83 - flush mount - 30.45" long TIR3 super LED lights - 30.45" long Includes TACTL5 controller
50-11-8600	1	Rear LED beacons-Whelan MCFLED2R (pr) both red
50-12-8500	1	Front LED flashers (pr)-Whelan red LED 400
50-12-8600	1	Rear LED flashers (pr)-Whelan red LED 400
50-12-8700	1	Front side inter lts (pr) - Whelan red LED 400
50-12-8800	1	Body side inter lts (pr)-Whelan red LED 400
50-21-1505	1	Rear floods (pr) Unity LED Note that these lights are also used as rear step lights and cannot be managed
50-21-2541	2	FRC telescoping SPECTRA LED 12V flood (ea) FRC SPA530-Q15-SW-ON-SR One each side of pump house, wired to door ajar These lights can be managed Mount high enough so it will not hit cab or body
50-21-5100	1	Compartment lighting - LED tube lights in each compartment (rollup doors)
50-21-5500	1	Door Ajar warning light Warning label in cab to read: "Do Not Move Apparatus when Light is on" Mount in overhead panel above the driver
50-21-5550	1	Equipment rack not stowed warning light Warning label in cab to read: "Do Not Move Apparatus when Light is on" Mount in overhead panel above the driver To indicate when the HLAS is not stowed
50-21-8001	1	Step lights for body steps - 4" LED Switched on when park brake is set
50-21-8200	1	Step lights for chassis steps - LED Switched on when park brake is set
50-21-8600	1	LED clearance lts and reflectors
50-22-0700	1	Whelan 64 LED tail/brake-turn-backup module (pr)
50-31-4010	1	10 kW hydraulic generator - brand not specified Harrison MCR-10, Engineering to provide ordering information Discuss location at preconstruction meeting _____

PART NO	QTY	DESCRIPTION
50-31-6010	2	Scene light boxes (pr) - tread plate Front and rear each upper side of body
50-31-6012	1	Scene lights (pr) - Whelen M6ZC LED - left side Switched in cab These lights can be managed
50-31-6013	1	Scene lights (pr) - Whelen M6ZC LED - rear facing Switched in cab and when transmission is in reverse These lights can be managed
50-31-6014	1	Scene lights (pr) - Whelen M6ZC LED - right side Switched in cab These lights can be managed
50-31-6550	1	Ground lighting (LED Lumabar) - 2 door chassis Switched on when park brake is set
50-31-6570	1	Ground lighting (LED Lumabar) - side mount body Switched on when park brake is set
50-35-0500	2	Installation of customer supplied mobile radio Radio information list and programming list required, blanks are attached To be installed in cab console
50-35-0560	1	VHF antenna with base - commercial chassis
50-35-0590	1	Cellular/TMR antenna with base - commercial chassis
51-31-3020	1	120 volt wiring for hydraulic generator Note that Neutral is bonded to chassis ground. Determine location of breaker panel at preconstruction meeting _____ 1 - 20A circuit for cord reel 1 5-20R duplex receptacle with cover each side fender well, confirm at precon
51-31-4000	1	Electric cord reel with 200' x 12/3 cable, lighted box Cable is 1130205 yellow SOW 12/3 Mounted on top of pump panel, cable to exit left side and terminate with a lighted receptacle box in bracket on the LS pump access door
51-31-4500	1	Dielectric strength test for line voltage system 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
60-10-4700	1	Integral aluminum fender trim
60-10-5400	1	Diamondback pumphouse steps
60-10-5430	1	Diamondback 19" rear step Note that step is to be MAXIMUM 19" deep
60-10-6000	1	Extruded rub rail
60-11-0300	1	Front left side compartments full height
60-11-0700	1	Front right side compartments full height
60-11-1000	1	Rear left side compartments full height
60-11-1400	1	Rear right side compartments full height

PART NO	QTY	DESCRIPTION
60-11-2000	2	High side compartment (over 18") each
60-11-3100	1	No rear compartment
60-11-5500	2	Rollup door - standard height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5520	4	Rollup door - full height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5540	1	Rollup door - to enclose RS pump panel
60-11-5655	2	Amdor pull straps - Flex - HD (for door opening 20"-37")
60-11-5660	5	Amdor pull straps - Flex - HD (for door opening 49"-70")
60-31-4100	1	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface One horizontal under the hose bed Two vertical, one each side of hose bed
60-31-5500	1	Steps at rear of body (folding) Maximum height between steps is 18"
60-31-5600	1	Steps and grab handles at front of body next to pump panel - Left Side Only Maximum height between steps is 18"
60-31-6500	1	Compartment matting - black plastic interlocking tile
60-31-8006	4	BA bottle compt (ea)-fender well Includes retaining straps Two each side, one forward and one rear of rear wheel well. Customer to provide SCBA cylinder diameter _____ and length _____
60-31-9600	8	Adjustable shelf (ea) Reflective stripe is applied on the exposed edge for visibility when the compartment door is open - 2 shallow L1 - 2 shallow L2 - 1 shallow L3 - 2 shallow R1 1 shallow R3
60-32-3550	1	Two adjustable hose divider (each) Hand hold required in end
60-32-7500	1	Hose bed - aluminum
60-33-0000	1	Paint exterior - Imron Elite *** Paint code and colour to match cab red
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

PART NO	QTY	DESCRIPTION
60-33-1500	1	Buffed finish compartment interior
60-33-2200	1	Lettering - 80 letters up to 3" tall - 3 colour *** Vinyl letters, Fire Department to provide details on location and text.
		Similar to last truck (Job 17370) - #1
60-33-3000	1	Reflective stripe - 4" white 50% of perimeter each side and rear, 25% of perimeter front
60-33-3310	1	Reflective stripe - red and yellow chevron at rear 50% of rear, printed 3M Scotchlite
60-33-3500	1	Tarp over hose bed - black
60-33-4600	1	Aluminum cover over crosslays - with end tarps (black)
60-40-5000	1	6" Hose tray - top mount (ea) Locate in left side hose bed, rear access May require the tank fill box in front left corner to move towards centre of body
60-40-5500	2	Suction hose tube (each) with door
60-40-8500	1	Tail light box Fire Extinguisher tubes (pr)
60-41-1015	2	Pike Pole tube in suction hose tube
60-41-9500	1	Zico Horizontal Ladder Access system Include HLAS-OS optional stop 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. For the 80-14-0500, 80-14-5500, and 80-14-8500 ladders.
60-41-9510	1	ZICO HLAS switched at rear above tail light Switch is located on same side as electric rack
60-90-5010	8	Bunker gear compartments - aluminum (per compartment) 4 lower section L1 4 lower section R1 Locate from floor to depth change of compartment, vertical partitions to be adjustable
INSTRUMENTATION		
70-11-0000	1	Warning Label on Pump Operator's Panel
70-11-0500	1	Side mount instrument panel with rollup door RS 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 Pump Panel Right Side
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
70-11-4606	1	Diamondback grip type panel hood step left side NFPA reflective delineation required

PART NO	QTY	DESCRIPTION
70-11-5110	1	Open storage at rear top of pump house With lighting and drains plumbed below the pump
70-11-5600	1	Left 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
70-20-1120	2	4-1/2" compound gauge - dual face 0-400 Thuemling brand
70-20-2130	7	2-1/2" pressure gauge - dual face 0-400 - Thuemling brand
70-20-2500	1	Primer control For main pump
70-20-2501	2	Additional Primer control For RS and LS MIV
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.
70-20-3510	1	Electric water level gauge on pump panel and at rear, Class One Rear gauge to be mounted above the rear fill
70-20-6500	1	Test gauge panel Mount below the compound gauges for proper draining
70-21-21AA	1	PTO Hourmeter with FROG generator display
70-21-5500	1	Panel readout for Battery Conditioner LS cab step
71-21-31AA	1	Transmission warning light (Automatic transmission) Included with InControl Governor display
ACCESSORIES		
80-11-5000	3	6" x 10' lightweight suction hose (ea) Two in tubes and one in top mount tray
80-12-2500	1	6" barrel strainer Ship loose
80-12-2700	1	6" floating strainer Ship loose
80-12-4500	1	6" low level strainer with 1-1/2" venturi connection Ship loose
80-13-0500	1	Rubber mallet Ship loose
80-13-2200	1	Pike pole, fibreglass handle - 8' long In suction tube
80-13-2500	1	Pike pole, fibreglass handle - 10' long In suction tube

PART NO	QTY	DESCRIPTION
80-14-0500	1	24' 2 section extension ladder PEL 24 Mount on HLAS
80-14-5500	1	14' aluminum roof ladder PRL-14 Mount on HLAS
80-14-8500	1	10' aluminum folding attic ladder FL-10 Mount on HLAS
80-14-9000	1	Attic ladder bracket (Zico) Mount on HLAS
80-17-0500	1	20# dry chemical fire extinguisher and mount In Extinguisher box
80-17-1000	1	15# CO2 fire extinguisher and mount In extinguisher box
80-18-0500	2	SCBA bracket with strap - compt mount Locate in R2 compartment Dimensions of air pack required: Length _____ Width _____ Height _____ Cut out the plastic tile so bracket is mounted on compartment floor for maximum clearance between air pack and door
80-20-25AA	1	Akron 2393 2-1/2" playpipe with stacked tips Ship loose Swivel to match NSZ1 threads