



Shop Order

River John Fire Department
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Sales Rep: Jacques Pelletier Metalfab Ltd, Drawing #: FT-11023 Est. Delivery Date: / / Customer PO #: Customer #: 79 QPF #:	Terms: Body and equipment on Customer supplied chassis - COD Penalty: None
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Quote No: JRINS-0015
Job/Order No: 20245
 07/09/2018

PART NO	QTY	DESCRIPTION
	1	== Metalfab Walk In - 05/13 - 0.000 ==
	1	CHANGE ORDER A
00-10-2500	1	Metalfab Walk in Rescue/Equipment Unit 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
00-20-2000	1	Plant Visits - unlimited at customer expense
00-20-3000	1	No Bonding Requested
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
10-11-0105	1	Vehicle Data Recorder not requested E
10-11-0700	1	ULC S515-13 Compliance - Rescue/Equipment
		Reference ULC S515:
		Chapter 3 - General Requirements
		Chapter 10 - Special Services Apparatus
		Chapter 11 - Chassis
		Chapter 12 - Low Voltage Electrical/Warning
		Chapter 13 - Driving and Crew Areas
		Chapter 14 - Body
10-11-2010	1	ULC Testing - Special Services Vehicle - no pump
10-11-2100	1	Maximum length - 29' or 348"
10-11-2200	1	Maximum height - 118"
10-11-2300	1	Overall length is less than 30'
10-11-2500	1	General Construction
10-11-3000	1	Manuals - two copies
		***Two copies of manuals are required.
		Chassis manuals are those supplied by the chassis manufacturer - Customer supplied chassis

PART NO	QTY	DESCRIPTION
10-11-3600	1	Delivery - FOB Fire Department
10-11-4100	1	Payment Terms - Body only COD(with customer supplied chassis
10-20-2630	1	Equipment carrying capacity - ULC/NFPA SSV 30,001 to 40,000 GVW
		CHASSIS INFORMATION
20-11-0500	1	Customer supplied Chassis - Freightliner M2 106 31,300 lb GVWR 11,020 lb Front axle 20,280 lb Rear axle 209" wheelbase 143 -1/8" cab to axle - Actual dimensions Cummins B6.7 300 HP @ 2600 rpm, 2600 governed rpm 660 lb/ft @ 1600 rpm Allison 3000 EVS automatic transmission, 240 amp alternator 189 liter fuel tank, LH L2225EB Candy Apple Red
20-11-1500	1	2013 Emission chassis modifications
20-11-1600	1	Chassis Motor Vehicle Inspection as supplied with customer chassis
20-21-0500	1	Fluid capacity plate
20-21-1040	1	Maximum riders sign - 6 persons
20-21-1500	1	Seat belt warning labels - 2 door chassis
20-21-1515	4	Seat belt warning labels - Rescue interior seat
20-21-1560	1	LED tire pressure indicator - Real wheels SOPT 19
		Ship the original valve stem caps with the completed unit.
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
20-21-3810	1	Front mudflaps provided with chassis - code 586-024
20-21-4000	1	Rear mudflaps - Metalfab Logo
20-31-0200	1	Fuel fill label -Ultra Low Sulfur Diesel only
20-31-0500	1	Alum tread fuel tank trim, Conv - 2 door Vertical trim only, OEM cab steps remain
20-31-1900	1	Chassis cab painted by chassis OEM
20-31-4600	1	Extend front bumper, gravel shield, 12000 winch Keep bumper extension to a minimum die to overall length restriction. The winch control device shall be located at the end of an electrical cord that is a minimum 7.6 m (25 ft) long or have a wireless type remote control to meet ULC. Winch capacity tags/labels shall be installed adjacent to winch.
20-31-7500	1	Console in cab Install siren (50-11-1620) and communication radios (50-35-0500) in console. Storage area with hinged cover and lift and turn latch provided at rear of console. The storage area to be partitioned off to hold a standard loose leaf binder and a pair of binoculars. Note location of rocker switches 50-11-0900 Send an approval drawing to Fire Department prior to fabrication. Gray Zolatone finish
20-41-1200	1	Transmission programming not required
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.

PART NO	QTY	DESCRIPTION
		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
20-41-2000	1	Chassis batteries remain in OEM location
20-41-2510	1	Fuel fill at step fuel tank under cab
20-41-2600	1	Chassis fuel tank remains in OEM location
20-41-5100	1	Rear Tow Hook - pintle hook behind deck plate door
		Aluminum tread plate door with lift and turn style latch under rear entry door as shown on the proposal drawing.
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
20-51-3500	1	Air outlet
		Mount in rear right side compartment connected to the Reelcraft air hose reel 80-99-80AA.
20-51-4000	1	Auto eject for air inlet - LS
		Located in left side cab step area.
20-51-6200	6	120 volt 20 A shore line connection in chassis cab and body
		Standard 5-20R duplex receptacles, not fused
		4 - above radio shelf inside body above the pass through
		1 - for battery conditioner to plug into (minimum 12" off floor level)
		1 - for Pelican lights (80-99-75AA) - In the L2 compartment
20-51-6500	1	Kussmaul Autocharge 1000 battery conditioner w/battery saver
		Located on back side of console
20-51-7101	1	Electric System Management - VMUX
20-51-7300	1	Low Voltage Alarm in cab - with audible alarm
20-51-7500	1	Super Auto eject for 120 v - 20 A with sealed enclosure
		Located in left side cab step area
20-51-8500	1	Engine compartment light - LED to meet ULC
		One required to light up complete engine compartment
		Switched with park brake
20-51-9001	1	Air horns controlled by foot switches as supplied with chassis
20-52-3500	1	Chassis steering wheel lined up by Metalfab E
20-52-4000	1	Rear View Camera system
		Rearview Systems STM5600 with 5.6" colour monitor in cab mounted on top of dash
20-60-0400	1	Chassis wheelbase does not change
20-90-1000	1	Sealed pass through cab to body
		Accordion seal around window opening with foam and gray vinyl. The opening will be the full size of the chassis window.
20-99-05AA	1	Code 3 Utility LED lightbar under front bumper - 33"
		SOPT 926-33"
		Controlled by a switch in the cab only (not through the high beam)
20-99-20AA	2	GoLight 20204 - White, LED, hard wired dash remote
		Mounted on cab roof - one each side as shown on the proposal drawing
		To match the Departments tanker M13-16983
		See pic 7703
		SOPT 463 - truck specific
	1	ELECTRICAL
50-11-0300	1	Base electrical system - multiplex E

PART NO	QTY	DESCRIPTION
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 - Ditch Lights - Command Post - Left Scene - Rear Scene - Right Scene - Utility light bar Rocker switches to be at the center ceiling opening to match M13-16983
50-11-1400	1	Federal PA300 100 watt siren
50-11-1620	1	Siren speaker, 100 watt, in front bumper
50-11-2600	1	Siren to be accessible to driver and officer
50-11-6100	1	Whelan F4N0QLED LED light bar NFPA SOPT 891
50-11-6501	1	Rear Directional Light not requested
50-11-8001	1	Rear beacons not required E
50-12-54AA	1	Whelen C9 green LED flasher - Rear of body (1 only) Located on left rear face of body under the telescoping light head (similar to Plymouth, NS M17-19029). Switched in cab. SOPT #935 - truck specific
50-12-8500	1	Front LED flashers (pr)-Whelen red LED 400 with integral flasher In chassis grille
50-12-8600	1	Rear LED flashers (pr)-Whelen red LED 400 with integral flasher Above rear tail light modules
50-12-8620	1	Rear LED flashers (pr)-Whelen red LED C9 with integral flasher Upper outer corners
50-12-8700	1	Front side inter lts (pr) - Whelen red LED 400 with integral flasher In bumper tails
50-12-8800	1	Body side inter lts (pr)-Whelen red LED 400 with integral flasher In rear fenders - rearward most
50-12-8820	2	Body side inter lts (pr)-Whelen red LED C9 with integral flasher In upper corners each side
50-21-1610	1	Parking (ditch) lights in rear fender well - LED w/ SS housings Switched in cab and also to activate when transmission is placed in reverse gear. The lights are managed to shed SOPT 160a
50-21-25AA	2	FRC telescoping SPECTRA LED 12V flood (ea) with hazard switch SPA530-Q15-SW-ON-SR Mount on rear of body Switch on light head Managed to shed

PART NO	QTY	DESCRIPTION
		Hazard switch wired to the door ajar warning light in cab to indicate when the light is not in the stowed position Include "No-scratch" option. SOPT 395 - truck specific
50-21-26AA	1	<i>Provision wiring (12-Volt) for extendable lights at front of body</i> Pre-wired only - does not include extendable lights or mounting brackets Same as Port Maitland M16-18699
50-21-5100	1	Compartment lighting - LED tube lights in each compartment (rollup doors)
50-21-5500	1	<i>Door Ajar warning light</i> Light located above driver seating position Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-8006	1	<i>Step lights for body steps as required - LED - Rescue</i> Switched with park brake.
50-21-8200	1	<i>Step lights for chassis steps - LED</i> Switched with park brake. SOPT 194a
50-21-83AA	1	<i>LED Lumabar to illuminate rear step</i> Switched with park brake. SOPT 307b
50-21-8600	1	LED clearance lts and reflectors
50-22-0700	1	<i>Whelen 64 LED tail/brake-turn-backup module (pr)</i>
50-31-6015	1	<i>Whelen 900 series LED scene lights (pr) - Left side</i> SOPT 39c Located in the upper top corners inboard of flashing lights. Switched in cab and managed to shed
50-31-6016	1	<i>Whelen 900 series LED scene lights (pr) - Rear facing</i> SOPT 39c Located in the upper corners inboard of flashing lights. Switched in cab and when vehicle transmission is placed in Reverse These lights cannot be managed as they are required for ULC.
50-31-6017	1	<i>Whelen 900 series LED scene lights (pr) - Right side</i> SOPT 39c Located in the upper top corners inboard of flashing lights. Switched in cab and managed to shed
50-31-6550	1	<i>Ground lighting (LED Lumabar) - 2 door chassis</i> Switched with park brake.
50-31-6590	1	<i>Ground lighting (LED Lumabar) - rescue body</i> Switched with park brake.
50-31-6595	6	<i>Install 12" LED luma bar ground lights under all compartments</i> Switched with park brake. SOPT 590
50-35-0500	2	<i>Installation of customer supplied mobile radio</i> Install in console 20-31-7500 Radio information list to be obtained at the Pre-construction meeting Radios arrived at Metalfab 06.15.2018 TMR Motorola XTL 1500 Kenwood TK 7160H

PART NO	QTY	DESCRIPTION
50-35-0560	2	VHF antenna with base - commercial chassis Metalfab will supply two (2) bases, one (1) VHF antenna and use the customer supplied TMR antenna.
50-90-0550	1	Rescue body interior lighting - LED tube lights LED tube lighting located on the side like Plymouth M17-19029 Three way switches will located by the two entry door openings and the chassis dash. SOPT 298b Extra lighting over flip down table will be required to meet ULC requirements of 1000 lux in this area. Engineering will provide light(s) make and model for ordering purposes. The lighting over the flip down table will be controlled by a separate switch adjacent to the flip down table.
51-31-4500	1	Dielectric strength test for line voltage system
	1	BODY
60-10-2800	1	Walk in extruded aluminum Rescue Body 18'
60-10-29AA	1	Special sub frame configuration to maximize interior height Similar to Plymouth M17-19029
60-10-4100	1	No "beavertail" rear step supports
60-10-4600	1	Painted fender surround E
60-10-4700	1	Integral aluminum fender trim
60-10-5450	1	Diamondback 10" rear step
60-10-6000	1	Extruded rub rail
60-11-0100	1	Front left side compartment to top of wheel well Standard pull out tray
60-11-0150	1	Second front left side compartment to top of wheel well Standard pull out tray Compartment will house the pelican lights (80-99-75AA), a standard pull out tray (60-31-8650) and an adjustable shelf (60-31-9600)
60-11-0500	1	Front right side compartment to top of wheel well 600lb tray for jaws and adjustable shelf
60-11-0550	1	Second front right side compartment to top of wheel well Standard pull out tray and adjustable height pull out tray
60-11-0800	1	Rear left side compartment to top of wheel well Carry standard blocking - no shelving
60-11-1100	1	Rear right side compartment to top of wheel well Hose Reelcraft air reel (80-99-80AA), pull out tray (60-31-8650) and a customer supplied generator will be stored in this compartment.
60-11-3100	1	No rear compartment E
60-11-4400	1	Flush mount aluminum entry door - Rescue body rear (pair) At rear of unit
60-11-44AA	1	Flush mount aluminum entry door - Rescue body side (single) Mounted on left side of the body
60-11-5500	6	Rollup door - standard height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-31-4120	1	Extruded aluminum handrails - rescue truck rear Minimum 2" clearance from handrail to any surface Handrail required on each side of door opening

PART NO	QTY	DESCRIPTION
60-31-4130	1	Extruded aluminum handrails - rescue truck rear interior Minimum 2" clearance from handrail to any surface Handrail required each side of entry (2 handrails).
60-31-4137	1	Extruded aluminum handrail - rescue truck side interior Minimum 2" clearance from handrail to any surface Handrail required each side of entry (2 handrails).
60-31-6500	1	Compartment matting-Interlocking-tile
60-31-8650	1	Price Adjustment
60-31-8651	4	Sliding tray (ea) - 400 pound capacity - lock in, lock out type slides Tray # 1 - Left side front compartment at floor level Tray # 2 - Left side second front compartment at floor level Tray # 3 - Right side second front compartment at floor level Tray # 4 - Rear right side compartment at floor level
60-31-8800	1	Sliding tray (ea) - 600 pound capacity Mount in Right side front compartment at floor level for extrication tools ***Hardware requires 3-1/2" of compartment height Reflective stripe is applied on the exposed edge for visibility when the compartment door is open
60-31-9600	1	Price Adjustment
60-31-9600	2	Adjustable shelf (ea) 1. Mount in the right side front compartment above the extrication tools 2. Mount in the second front left side tool above the pelican lights. Reflective stripe is applied on the exposed edge for visibility when the compartment door is open
60-31-9610	1	Radio shelf for rescue interior (ea) Shelf needs to be 12" deep x the full width of the body and radioschargers are 15" tall
60-33-0000	1	Paint exterior - Imron Elite *** Paint code and colour red to match cab
60-33-0200	1	Undercoat vehicle with KROWN rust protection
60-33-0600	1	Chassis wheels not painted
60-33-1500	1	Buffed finish compartment interior
60-33-2300	1	Lettering - special graphics *** Vinyl letters, Fire Department to provide details on location and text. Match side of M13-16983 except replace "Fire Dept" with "Fire Rescue" Truck # 4 "Keep Back 150M" on rear door in white reflective with black outline
60-33-3000	1	Reflective stripe - 4" white 50% of perimeter each side and 25% of perimeter front
60-33-3310	1	Reflective stripe - red and white chevron at rear Color to red and white - rear entry door to be left painted only Minimum 50% of rear
60-80-0500	1	Rescue body windows - fixed in entry doors (3 total) One each entry door
60-80-1000	1	Rescue Body windows - sliding in sides of body (2 total) Both on the right side of the body
60-90-0500	4	SCBA seat in Rescue Body Seats to be offset towards the right to allow more room for the SCBA mounted on the LS wall

PART NO	QTY	DESCRIPTION
60-90-1510	1	Drop down table - Rescue Body Right side as shown on the proposal drawing. In order to meet ULC requirements the height of the drop down table in the down position must meet one of the following criteria; Work surface intended for chair-level use shall be 710 mm (28") to 760 (30") mm above the floor. Work surface intended for standup use shall be 900 mm (35.5") to 1000 mm (39.375) above the floor. The preferred height of the drop down table is 12" from the top of the seat.
60-90-4000	1	Walk in Rescue - Interior white finish and insulation
60-90-5000	1	Interior shelving with doors - Rescue Body E Over the SCBA storage tubes on right side as shown on the proposal drawing
60-90-5010	33	Bunker gear compartments - aluminum (per compartment) E Sizes to be as close as possible to 18"w x 20"h x 25" d
60-90-5015	33	Bunker gear compartment netting (per compartment) E
60-90-5500	1	Heater in Rescue Body E Located under rear facing seats. Switch located by side entry door opening unless otherwise specified.
60-91-0500	1	Compartment SCBA Storage rack 15 bottles inside the body on right side by the rear entrance door opening as shown on the proposal drawing. Each tube will have a loop to slide on the bottle neck as an additional restraint
60-99-05AA	1	Standard pull out tray - adjustable height - lock in, lock out type slides SOPT 912 Mount in R2 (right side second front compartment).
60-99-15AA	1	Traffic sign base storage Four (4) tubes - minimum 7" x 7" x 27" deep with Velcro straps to retain components. Located left side inside body by rear entry door as shown on the proposal drawing. SOPT in file The three (3) horizontal partitions that create the tubes will be bolted in to allow the department to remove them if they want to reconfigure this space.
70-21-5500	1	Panel readout for Battery Conditioner Located left side cab step area
	1	ACCESSORIES
80-18-0500	4	SCBA bracket with strap - compt mount - Zico ULLH Located on the left side interior wall in front of the left side entry door opening as shown on the proposal drawing. The brackets will be Zico ULLH model to meet the ULC requirement for carrying SCBA in a riding compartment.
80-18-0600	4	SCBA brkt w/strap - ZICO ULLH - crew cab mount For the four seats inside body.
80-99-05AA	1	Install restraint for customer supplied generator The Honda EU3000 IKC generator will be stored in the rear right side compartment The generator arrived at Metalfab 06.15.2018 Width - 14.9" Height - 19.3" Depth - 24.5" The restraint will be a cambuckle tie down and two (2) d-rings
80-99-15AA	1	PAC tool mounts for customer supplied Holmatro tools SOPT 87 - truck specific 6 - 1006-Y Adjustment strap/bracket (1562621)

PART NO	QTY	DESCRIPTION
		1 - K5080 - Bracket for cutter (1001340) 1 - K5026 - Bracket for spreader (1001339) 6 - 1070 - Jumbo lock (1562280)
80-99-75AA	2	Pelican LED suitcase light - Model 9430 with extendable light SOPT 125 Part number 1521646 Lights will be stored and plugged into a shoreline outlet (ref 20-51-6200) These will be stored in the L2 compartment.
80-99-80AA	1	Reelcraft 5400 OLP 50' air reel Installed in the right side rear compartment (installation will be after the ULC test as it doesn't meet the ULC requirement of minimum 100 feet capacity). SOPT in file
80-99-90AA	1	Accountability board mount and tag mounts The customer supplied accountability board that measures 18" x 12" will be mounted on the inside of the rear entry door. On the other side, there will be two (2) bars to allow the hanging of accountability tags. SOPT # 805