



Shop Order

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Sales Rep: Jacques Pelletier Metalfab Ltd.	Terms: Chassis Net 10 days, body and equipment COD
Drawing #: FT-11125 Est. Delivery Date: / / Customer PO #: Customer #: 1517 QPF #:	Penalty: None - Delivery to be approximately 10-12 months from signed contract (June 25.2019)

Quote No: JSANB-0015
Job/Order No: 21041
 08/25/2020

PART NO	QTY	DESCRIPTION
	1	== Metalfab Walk In - 05/13 - 0.000 ==
	1	<i>Change Order E</i>
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
00-20-3500	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 - 26.5' or 318"
10-11-2200	1	Maximum height - 120"
10-11-2300	1	Overall length is less than 30'
10-11-2500	1	General Construction
10-11-2600	1	Preconstruction Meeting in St-Louis-de-Kent
10-11-3000	1	Manuals - two copies
		***Two copies of manuals are required. Chassis manuals are those supplied by the chassis manufacturer.

PART NO	QTY	DESCRIPTION
10-11-3600	1	Delivery - FOB Fire Department 3 hour minimum delivery orientation
10-11-4000	1	Payment Terms - Chassis Net 10 days, Balance COD
10-20-2610	1	Equipment carrying capacity - ULC/NFPA SSV 15,001 to 20,000 GVW This vehicle is designed to carry the standard miscellaneous equipment load of 2500 pounds for a Special Services Vehicle of 15,001 to 20,000 pounds GVW.
	1	CHASSIS INFORMATION
20-11-1000	1	Chassis supplied by Metalfab - Ford F550 4x4 two door cab Part number 1581117 PO #66646 XLT trim package 19,500 lb GVWR 7,500 lb front axle 14,706 lb rear axle 205" wheelbase 120" cab to axle 6.8Litre EFI V10 gas engine 288 HP @ 4000 rpm 424 ft-lb torque @ 3000 rpm 6 speed automatic transmission 240 amp alternator Color is Race Red - see also 20-31-3000 Running boards are included with chassis Wheels are polished aluminum
20-11-1700	1	Chassis Motor Vehicle Inspection required - NB E Chassis is provided with a New Brunswick Motor Vehicle Inspection dated the month of delivery.
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	1	Seat belt warning labels - Rescue interior seat
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
20-31-0100	1	Fuel tank or step covers not required
20-31-0200	1	Fuel fill label - "Gas Only" A label indicating "Gas Only" is installed at chassis fuel tank fill connection.
20-31-3000	1	Paint conventional cab two tone by Metalfab White over red - Metalfab will paint the white portion Paint line will cover the hood and roof as discussed at the pre-construction meeting of 10.29.2019. Metalfab will propose a straight line based on the chassis lines and send an approval picture to the department before painting. Fire Chief Samuel Vautour has approved the layout by e-mail on 12.29.2019. Pictures of the proposed layout are located at F:/Data/Jacques/Current Projects/St-Louis-de-Kent
20-31-7500	1	Console in cab built by Metalfab Install switch panel (50-11-0900), siren (50-11-1400), door ajar light (50-21-5500, equipment not stowed light (50-21-5550), voltmeter (20-51-8700), air restriction gauge (20-51-8800) and radios (50-35-0500 and 50-35-1000) in console. Storage area with hinged cover and lift and turn latch provided at rear of console.

PART NO	QTY	DESCRIPTION
		Gray Zolatone finish
20-31-7588	1	Remove center section of front cab seat for console To be returned to Customer - box up and include with the accessories to go with finished unit. SOPT #446
20-41-1200	1	Transmission programming not required
20-41-1520	1	Extend exhaust pipe - RS rear 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
20-41-2560	1	Fuel fill at LS rear fender well with SCBA style door E Aluminum door - Part # 1562459
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)
20-51-0500	1	Master disconnect switch - manual *** Floor mounted next to driver's door Will only disconnect Metalfab wiring as per Ford bulletin
20-51-2600	1	Back up alarm
20-51-6200	4	120 volt 20 A shore line connection Standard 5-20R duplex receptacle, not fused Receptacle #1 - In cab for battery conditioner to plug into Receptacle #2 - Walk in portion of body on back wall at one end of the radio shelf (60-31-9610) Receptacle #3 - Walk in portion of body on back wall at opposite end of the radio shelf (60-31-9610) Receptacle #4 - In the upper portion of the R3 compartment As discussed at the pre-construction meeting of 10.29.2019 All receptacles to be minimum 12" from floor level.
20-51-621A	3	Power Bar The power bars (p/n 1130302) shall be mounted : Inside the walk through and plugged to the 120V receptacles #2 and #3 in order to power department supplied Flashlights and radios. The third power bar will be installed in the R3 compartment beside receptacle #4 SOPT #1106 As discussed at the pre-construction meeting of 10.29.2019
20-51-6500	1	Kussmaul Autocharge 1000 battery conditioner w/battery saver Battery conditioner located inside cab behind console
20-51-7000	1	High Idle
20-51-7101	1	Electric System Management - VMUX
20-51-7300	1	Low Voltage Alarm in cab
20-51-7500	1	Super Auto eject for 120 v - 20 A with sealed enclosure Located on front of body - left side on an angled standoff.
20-51-8510	1	Engine compartment light LED Switched when transmission is placed in park.

PART NO	QTY	DESCRIPTION
20-51-8600	1	Air intake ember seperator to meet ULC SOPT #301
20-51-8700	1	Voltmeter - in chassis console Part # 571-21-2500 (1533028)
20-51-8800	1	Air restriction gauge - in chassis console Part # 1530886
20-52-3500	1	Chassis steering wheel lined up by Ford Dealership prior to delivery To be done at Ford dealership with ULC equipment weights on board prior to delivery
20-52-4003	1	Install rearview camera supplied by Ford Camera is installed at rear below the upper storage compartment - include a shield to prevent damage to camera when equipment is slid out of the upper storage compartment.
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
	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 --FLASHING WARNING -LEFT SCENE -RIGHT SCENE -REAR SCENE -FRONT LEFT SIDE TELELIGHT -FRONT RIGHT SIDE TELELIGHT -REAR LEFT SIDE TELELIGHT -REAR RIGHT SIDE TELELIGHT -LOW VOLTAGE ALARM
50-11-1400	1	Federal PA300 100 watt siren
50-11-1600	1	Federal ES100C 100-watt speaker Federal ES100C speaker part # 1570609 and bracket part # 1570823
50-11-2600	1	Siren to be accessible to driver and officer
50-11-5000	1	Code 3 LED 21TR47 light bar NFPA P/N 1570894 Flash pattern will change when park brake is set SOPT #398
50-11-6501	1	Rear Directional Light not requested
50-12-0400	1	Front flashers (pr)-red Code 3 45R LED Lower level in cab grille
50-12-1100	1	Front side inter lts (pr)-red Code 3 45R LED Lower level on sides of hood.
50-12-1200	1	Body side inter lts (pr)-red Code 3 45R LED Lower level on rear fenders (behind centerline of rear wheels).

PART NO	QTY	DESCRIPTION
50-12-1300	1	Rear flashers (pr)-red Code 3 45R LED Lower level just above tail light modules.
50-12-15AA	3	Code 3 85 BZR - 9x7 red flasher LED (pr) Upper level located in front and rear corners on body sides (outboard of scene lights) and upper corners on rear of body (above scene lights). SOPT #775 Part # 1570890
50-12-16AA	1	Code 3 XTP3R flasher in rub rail (pr) There will be a red Code 3 flasher supplied and installed in the rub rail ahead of the rear wheels on each side as requested at the pre-construction meeting of 10.29.2019. SOPT
50-21-2541	4	FRC FCA530-V20-SW-NS-SR extenda light, 14,000 lumens Two on front of body and two on rear of body. Switched in cab (rocker switches). Hazard switch (SW) wired to the equipment not stowed warning light in cab 50-21-5550. These lights can be managed to shed. No Scratch option required for all four (4) lights to protect the light heads. The rear rxtenda lights will require 5" deep stand-offs to allow the units to clear the upper scene lights and flashers. Spectra-MS LED lamphead with 5" standoff as proposed by FRC and Metalfab engineering. Approved by Chief Samuel Vautour by e-mail on 07.01.2020
50-21-29AA	1	Additional lighting in cab to illuminate floor area - ULC reqmt SOPT #998
50-21-5100	1	Compartment lighting - LED tube lights in each compartment (rollup doors) For the roll up doors and they will be ordered with the Amdor doors. The front side compartments with flush mount doors will have 4" recessed lights. The department confirmed that lighting in back upper storage compartment for rescue equipment 60-40-9000 is not required where they are not required for ULC As discussed at the pre-construction meeting of 10.29.2019
50-21-5500	1	Door Ajar warning light Located in cab console 20-31-7500 Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-5550	1	Equipment not stowed warning light To indicated when the Teledights are not stowed properly. Located in cab console 20-31-7500 Bilingual warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-8006	1	Step lights for body steps - 12" LED - Rescue Switched when transmission is placed in park.
50-21-8600	1	LED clearance lts and reflectors
50-22-0700	1	Whelen 64 LED tail/brake-turn-backup module (pr)
50-31-60AA	3	Code 3 79SCENE LED lights (pr) Located in upper front and rear corners on body sides inboard of red flashing lights) and upper corners on rear of body (below red flashing lights). Switched by rocker switches in cab and the rear lights will be interlocked with the reverse of the transmission as requested at the pre-construction meeting of 10.29.2019 Left and right side scene lights can be wired to shed. The rear facing scene lights cannot be managed as they are required for ULC. SOPT #402

PART NO	QTY	DESCRIPTION
50-31-6550	1	Ground lighting (LED Lumabar) - 2 door chassis Switched when transmission is placed in park.
50-31-6590	1	Ground lighting (LED Lumabar) - rescue body Switched when transmission is placed in park.
50-35-0500	2	Installation of mobile radio and provision for a TMR intalled later This will be a provision for a provincial TMR to be installed at a later date and the installation of the Metalfab supplied radio 50-35-1000 Radio information list to be filled in at the pre construction meeting The radios will be powered through the ignition switch as requested by the fire department at the pre-construction meeting of 10.29.2019
50-35-0560	1	VHF antenna with base - commercial chassis Customer to specify any special mounting location and/or spacing requirements.
50-35-0590	1	Cellular/TMR antenna with base - commercial chassis Customer to specify any special mounting location and/or spacing requirements.
50-35-1000	1	Supply and install 16 channel mobile radio - analog Motorola CM300D Radio information list to be filled in at the pre construction meeting Transmit Frequency is 170.205 and Receive frequency is 165.225 with tone TPL of 127.3 As advised by Nova Communication technician Peter Keating by e-mail on 08.25.2020. He can be reached for further questions at P: 506.854.7070 or peter.keating@novacomunications.com
50-90-0550	1	Rescue body interior lighting - clear LED - Truck lite 44339C Light part number 1032009 - three (3) clear lights required Switch located at each body entry door SOPT #298b - truck specific
	1	BODY
60-10-2500	1	Walk in extruded aluminum Rescue Body 15' Interior walk in section finish to be aluminum tread plate - includes floor, walls and ceiling
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
60-10-6500	1	Bolt on extruded aluminum rub rail Reflective stripping requested at pre-construction meeting of 10.29.2019.
60-11-0100	1	Front left side compartment to top of wheel well
60-11-0350	1	Second front left side compartments full height - pass through Pass through compartment to right side
60-11-0500	1	Front right side compartment to top of wheel well
60-11-0750	1	Second front right side compartments full height - pass through compartment This will be a pass through compartment to left side
60-11-1000	1	Rear left side compartments full height E The floor will require additional supports for the cascade bottles. The area around the cascade mounts will have additional backing plates for mounting purposes.
60-11-1400	1	Rear right side compartments full height E The floor will require additional supports for the cascade bottles. The area around the cascade mounts will have additional backing plates for mounting purposes.

PART NO	QTY	DESCRIPTION
60-11-2000	2	High side compartment (over 18") each
60-11-3200	1	Full Height Rear compartment
60-11-4420	1	Right hand entry door with grab handle Door handle to be lockable from inside to meet ULC
60-11-4430	1	Left hand entry door with grab handle Door handle to be lockable from inside to meet ULC
60-11-4500	3	Flush mount aluminum door - single with "D" handle Following compartments will have flush mount type doors; L1 - front left side compartment - vertically hinged R1 - front right side compartment - vertically hinged B2 - Rear upper compartment (60-40-9000) horizontally hinged flip up door.
60-11-5500	2	Rollup door - standard height For the L3 and R3 compartments Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5520	5	Rollup door - full height For the L2, L4, R2, R4 and B1 compartments Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5640	7	Drip pan under rollup door roll (each) E The drip pan will be supplied by Amdor and installed by Metalfab. Optional drains not requested.
60-11-5655	2	Amdor Pull Straps - Flex HD - L3 and R3 Order with doors SOPT #1114
60-11-5660	4	Amdor Pull Straps - Flex HD - L2, L4, R2, R4 Order with doors SOPT #1114
60-31-4100	1	Extruded aluminum handrails - as required on rear of body Minimum 2" clearance from handrail to any surface One on each side of the rear lower compartment
60-31-4137	2	Extruded aluminum handrail - rescue truck side interior Minimum 2" clearance from handrail to any surface Inside the right side and left side entry door on the front wall between the door sill and the pass through 20-90-1000. Will require backing for mounting purposes
60-31-5500	1	Steps at rear of body (folding) w/LED light Maximum height between steps is 18" Two (2) per side for a total of four (4) steps
60-31-6500	1	Compartment matting-Interlocking tile
60-31-8200	1	Sliding vertical tool board - with lock in / lock out latches Location to be the rear right side compartment spaced evenly between the fixed partition and rearward side wall of compartment. There will be lock in and lock out latches supplied and installed. The board will have a peg board style 1/4" holes spaced 1-7/16" center to center as discussed at the pre-construction meeting of 10.29.2019
60-31-8400	4	Fixed vertical partition Locations to be: 1. R4 compartment directly back of Cascade Cylinder provision: Space 12" from right side

PART NO	QTY	DESCRIPTION
		<p>wall to allow installation of cascade bottle that measures 9.5" diameter x 52" high and mounting hardware.</p> <p>2. L4 compartment directly back of Cascade Cylinder provision: Space 12" from left side wall to allow installation of cascade bottle that measures 9.5" diameter x 52" high and mounting hardware.</p> <p>3. In back compartment on pull out tray 60-99-20AA to mount extrication equipment. Centered lengthwise on tray - height of partition to be 21" high to allow the storage of blocking crates.</p> <p>4. L3 compartment directly back of Cascade panel provision that measures 21" wide x 6" deep x 16" high</p> <p>The above locations and spacing were determined and finalized at the pre-construction meeting of 10.29.2019</p>
60-31-8700	3	<p>Sliding tray (ea) - 400 pound capacity with gas strut</p> <p>Reflective stripe is applied on the exposed edge for visibility when the compartment door is open</p> <p>Location will be.</p> <ol style="list-style-type: none"> R2 compartment on the floor L2 compartment on the floor L4 compartment on the floor - in rear portion of the compartment - rearward of the fixed partition. <p>The above locations and spacing were determined and finalized at the pre-construction meeting of 10.29.2019</p>
60-31-8800	2	<p>Sliding tray (ea) - 600 pound capacity</p> <p>***Hardware requires 3-1/2" of compartment height</p> <p>Reflective stripe is applied on the exposed edge for visibility when the compartment door is open</p> <p>Location:</p> <ol style="list-style-type: none"> L2 compartment at depth change - 1/2 depth pass through compartment - 70% ext R2 compartment at depth change - 1/2 depth pass through compartment - 70% ext
60-31-9000	1	<p>Tip down tray - 30 degree, 250 pound capacity</p> <p>Reflective stripe is applied on the exposed edge for visibility when the compartment door is open</p> <p>Location to be R3 compartment - adjustable in height.</p>
60-31-9600	2	<p>Adjustable shelf (ea)</p> <p>Reflective stripe is applied on the exposed edge for visibility when the compartment door is open</p> <p>Location:</p> <ol style="list-style-type: none"> L3 compartment rearward of vertical partition 60-31-8400 (over Cascade panel provision that measures 21" wide x 6" deep x 16" high L4 compartment - rearward of vertical partition <p>The above locations and spacing were determined and finalized at the pre-construction meeting of 10.29.2019</p>
60-31-9610	1	<p>Radio shelf for rescue interior (ea)</p> <p>There will be a shelf supplied and installed beside the bank charger mentioned in 80-99-10AA which measures 7" deep x 13" high x 8" wide and will be installed on the wall above the SCBA seats. The shelf will start beside the TIC and run the full length of the wall at least 16" from the ceiling and 8" deep. As discussed at the pre-construction meeting of 10.29.2019.</p>
60-33-0100	1	<p>Paint exterior - Imron Elite and clearcoat E</p> <p>*** Paint code and colour - single color to match red on cab</p>
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

PART NO	QTY	DESCRIPTION
60-33-2200	1	Lettering - 80 letters up to 3" tall - 3 colour *** Vinyl letters, Fire Department to provide details on location and text. Fire Department has approved lettering drawing provided per email from Luke 7-06-2020
60-33-3000	1	Reflective stripe - 4" white 50% of perimeter each side and 25% of perimeter front Fire Department has approved lettering drawing provided per email from Luke 7-06-2020
60-33-3320	1	Rear Chevron - 3M Diamond grade SOPT #300a
60-40-9000	1	Tube mount for stokes / spine board / Rescue Alive w/door Above the compartment with the roll up door on the back of the body The tube shall house the equipment as followings; *** Stokes Basket: 84" x 26" x 5" *** Ice rescue Board: 91" x 42" x 24" *** Spine Board 75"x 16" x 3" Dimensions were confirmed at the 10.29.2019 pre-construction meeting This compartment requires a door ajar switch. The door shall be a flip up style with gas struts to hold it in the open position. No lights in the compartment as discussed at the 10.29.2019 pre-construction meeting.
60-80-0500	4	Rescue body windows - fixed in lower, sliding in upper portion of door One (1) fixed and one sliding (1) in each entry door
60-90-4000	1	Walk in Rescue - Deck plate finish and insulation Standard insulation and aluminum treadplate floor, walls and ceiling.
60-90-5500	1	Heater in Rescue Body Located under SCBA seats in body. Switch location to be on left side wall beside light switch 50-90-0550 as discussed at the pre-construction meeting of 10.29.2019
60-91-0500	1	Compartment SCBA Storage rack There will be six (6) tubes stacked one above each other in the R4 compartment in the area to the right of the vertical partition 60-31-8400 (where the cascade bottles will be stored in the future)
60-99-06AA	4	Bostrom SCBA seats with Zico QM-ROLO lock There will be four (4) SCBA seats with Zico QM-ROLO SCBA brackets supplied and installed in the body. 2 - 1580709 - seat with LH belt 2 - 1580710 - seat with RH belt 4 - Zico QM-ROLO bracket with seat release Confirm part numbers with Engineering before ordering - SOPT 1073
60-99-20AA	2	Slidemaster - 1000 lb / 100% extension Tray #1 - back compartment - full depth at compartment depth change Tray #2 - Back compartment - above tray #1 at a distance of approximately 22" (as tight as possible to the vertical partition on the Tray #1) As discussed at the pre-construction meeting of 10.29.2019 SOPT #88a (reference only)
70-21-5500	1	Readout for Battery Conditioner Located on front of body - left side on an angled standoff.
	1	ACCESSORIES
80-99-10AA	1	Mount customer supplied bank charger and TIC Location for the TIC was determined at the pre construction meeting to be beside the radio shelf 60-31-9610

