



Shop Order

Village of Atholville
 Nicole LeBrun - CAO
 247 Notre Dame
 Atholville, NB E3N 4T1

Val d'Amours Station

Sales Rep: Jacques Pelletier Metalfab Ltd.	Terms: Chassis, body and equipment Net 20 days
Drawing #: FT-10837 Est. Delivery Date: / / Customer PO #: Customer #: 243 QPF #:	Penalty: None

Quote No: E-Atholv-NB-0008
Job/Order No: 19705
 10/23/2017

PART NO	QTY	DESCRIPTION
	1	== <i>Metalfab Walk In - 05/13 - 0.000</i> ==
	1	CHANGE ORDER C
00-00-0020	1	Exceptions to Tender
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 9001:2008
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 - 30'
10-11-2200	1	Firehouse door height - 11' - 03" (135")
		Door is 135" - there is a significantly grade coming into fire hall so overall height of body to be contingent on this.
		Measurement of grade - at 4' - the drop is 6.5" (approx 8 degree grade).
10-11-2300	1	Overall length is less than 30'
10-11-2500	1	General Construction
10-11-2600	1	Preconstruction Meeting - Date & Location to be determined
10-11-3000	1	Manuals - two copies
		***Two copies of chassis manuals are required.

PART NO	QTY	DESCRIPTION
Page 13 - English and French where possible		
10-11-3600	1	Delivery - FOB Fire Department
10-11-4300	1	Payment Terms - Chassis and Body NET 20
10-20-2630	1	Equipment carrying capacity - ULC/NFPA SSV 30,001 to 40,000 GVW
CHASSIS INFORMATION		
20-11-1000	1	Chassis supplied by Metalfab - International 4400 SBA 4x2
32,000 lb GVW 12,000 lb front axle 20,000 lb rear axle		
217" wheelbase, 149.9" cab to axle		
Cummins L9 350 HP @ 2000 rpm, 2200 governed rpm		
1000 lb-ft torque @ 1400 rpm		
Allison automatic transmission, 325 Amp alternator		
189 liter fuel tank, polished aluminum wheels		
Diamond Logic		
Hub caps and nut covers are included		
Single colour 2303 red		
20-11-1500	1	2013 Emission chassis modifications
20-11-1700	1	Chassis Motor Vehicle Inspection required - NB
20-21-00AA	1	Tags and Labels in French where possible
20-21-0500	1	Fluid capacity 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
20-21-1530	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
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	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 - single color
20-31-7500	1	Console in cab
Install siren, Customer supplied radio, Generator FROG (Frequency Regulation of Generator) control, dual USB charging station, and PTO shift in console.		
Storage area with hinged cover and lift and turn latch provided at rear of console.		
An LED light shall be installed to light inside the console storage.		
The Customer supplied radio to be installed towards the back of the console so it could be accessible from the command desk.		
Gray Zolatone finish		
Customer to approve the console layout before build.		
20-41-1200	1	Transmission programming not required
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.		

PART NO	QTY	DESCRIPTION
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
20-41-5100	1	Rear Tow Hook - pintle hook E
		With an aluminum treadplate access door
20-41-5210	1	Front receiver
20-41-5215	2	Side receiver, under body
20-51-0700	1	Master Battery Disconnect included with 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
		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 receptacle, not fused
		1. Cab console - Minimum 12" from floor
		2. Left side front intermediate height compartment L1 - front top corner
		3. Left side front intermediate height compartment L1 - rear top corner
		4. At command desk - Minimum 12" from floor
		5. At command desk - Minimum 12" from floor
		6. Inside compartment above the command desk
20-51-6500	1	Kusmaul Autocharge 1000 battery conditioner w/battery saver
20-51-7102	1	Electric System Manager included with chassis E
20-51-7300	1	Low Voltage Alarm in cab - through Diamond Logic
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 lighting to meet ULC
		Activated when park brake is set
20-51-9110	1	Air horns on hood, chassis OEM switch controlled E
		Two 24" air horns are mounted on the sides of the cab hood. These are operated by switches provided with the chassis (steering wheel and dash momentary switch at Officers location).
20-52-3000	1	Chassis steering wheel lined up by others
20-52-4088	1	Pro Vision camera system - 7" screen, two cameras and DVR
		There will be a Pro Vision camera system that consists of a 7" screen, rear back up camera, front camera and DVR for the front camera.
		DVR records on a 64 GB SDXC memory card (included) which is removed and inserted in computer to view and save video
		Customer requests the DVR to start recording with Master Emergency light switch.
		See SOPT in file
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
20-90-1600	2	Dual USB charging station
		Install one in chassis console
		Install one at the command desk
20-99-05AA	1	12-Volt Power points for winch at front and side locations
		Complete with dust caps.
		300 Amp fuse at battery
		Disconnect switch in cab on cab floor next to master disconnect switch - properly labeled

PART NO	QTY	DESCRIPTION
30-51-1500	1	Power shift PTO - Automatic transmission For generator 50-31-4501
30-51-1501	1	PTO driveshaft E ELECTRICAL
50-11-0450	1	Base electrical system - International Diamond Logic 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 Using the switches supplied on dash by International the following shall be controlled; MASTER -LIGHT BAR RED -LIGHT BAR CLEAR -FLASHING WARNING -LEFT SCENE -RIGHT SCENE -REAR SCENE -DITCH LIGHTS -LEFT SIDE FRONT POLE LIGHT -RIGHT SIDE FRONT POLE LIGHT
50-11-1400	1	Federal PA300 100 watt siren
50-11-1625	1	Siren speaker, 100 watt, behind chassis grille
50-11-2600	1	Siren to be accessible to driver and officer
50-11-6100	1	Whelan F4N0QLED LED light bar NFPA
50-11-6501	1	Rear Directional Light not required E
50-11-8001	1	Rear beacons not required E
50-12-8500	1	Front LED flashers (pr)-Whelan red LED 400
50-12-8600	1	Rear LED flashers (pr)-Whelan red LED 400
50-12-8620	1	Rear LED flashers (pr)-Whelan red LED 900 with integral flasher
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
50-12-8820	2	Body side inter lts (pr)-Whelan red LED 900 with integral flasher
50-21-1610	1	Parking ditch lights in rear fenders - LED w/ SS housing (pr) Switched in cab and also activated when transmission is placed in reverse gear. Wired through load manager.
50-21-2540	2	FRC telescoping SPECTRA LED 12V flood (ea) Mounted front of body Switched in cab - wired through load manager. SPA530-Q15-SR Metalfab p/n 1032075
50-21-5100	1	Compartment lighting - LED tube lights in each compartment (rollup doors)
50-21-5500	1	Door Ajar warning light Warning light will be that as supplied with chassis (Diamond Logic) on dash Bilingual Warning label in cab to read: "Do Not Move Apparatus when Light is on"
50-21-8006	1	Step lights for body steps - 4" LED - Rescue Activated when park brake is set
50-21-8200	1	Step lights for chassis steps - LED to meet ULC Activated 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)

PART NO	QTY	DESCRIPTION
50-31-4501	1	15 kw ONAN PTO driven generator An Onan 15 kW PTO driven generator is installed between the frame rails of the chassis. The unit will be activated by a switch (FROG control) in the chassis cab on console 20-31-7500 .
50-31-6006	3	Scene lights (pr) - Federal QL97 LED Scene light(s) will be mounted on the upper side corners and rear upper corners of the body. They will be activated by three (3) switches inside the chassis cab. Side scene lights are wired through load manager. Rear scene lights are not managed - required for ULC.
50-31-6011	3	Scene light boxes not required E
50-31-6550	1	Ground lighting (LED Lumabar) - 2 door chassis Activated when park brake is set
50-31-6590	1	Ground lighting (LED Lumabar) - rescue body Activated when park brake is set
50-35-0500	1	Installation of customer supplied mobile radio Located on towards the back of the console so it can be accessible from the command desk. Radio information list required
50-35-0560	2	VHF antenna with base - commercial chassis One for the 50-35-0500 radio and the second antenna is installed for future use. Cable to be routed to the console area and clearly labeled.
50-90-05AA	1	LED interior lights Wired so that the lights will operate off the shoreline when in the hall and off 12-volt when on scene. The lights will be switched near the rear entry door. Metalfab p/n for lights is 1032009 - ref SOPT 298b. Lighting over command area to meet ULC
50-90-2605	1	Refrigerator for Rescue Truck - 120 VAC Located under command desk area
50-99-10AA	2	FRC SPA600-K20-603-P2 Tri-pod 120-Volt telescoping light - LED (ea) Tri-pod light to have a L5-20 (20 Amp twist-lock) plug (Option P2) Mounted on back face of body as shown on the proposal drawing.
51-31-3030	1	120 volt wiring for PTO generator Location of the electrical panel to be under the command desk Circuits for receptacles at rear of body adjacent to the tri-pod lights - 20 Amp Twist lock with hooded covers Circuit for the transfer switch Circuit for the cord reel Circuits for the two 240 volt heaters 60-90-5588 (4800 Watt each) Note that Neutral is bonded to chassis ground.
51-31-3100	1	Automatic 110 volt transfer switch Location of the transfer switch to be under the command desk. Wired to the shoreline receptacles and the refrigerator.
51-31-4000	1	Electric cord reel with 200' x 12/3 cable, lighted box To be installed in the rear left side compartment Half of the receptacles to be L5-20R (20 Amp Twist-lock). Half of the receptacles to be 5-20R (20 Amp Household) Cord reel will meet ULC requirements.

PART NO	QTY	DESCRIPTION
51-31-4500	1	Dielectric strength test for line voltage system
	1	BODY
60-10-2800	1	Walk in extruded aluminum Rescue Body 18'
60-10-4100	1	No "beavertail" rear step supports
60-10-4600	1	Painted fender surround E
60-10-4700	1	Integral aluminum fender trim
60-10-5440	1	Diamondback 14" rear step
60-10-6000	1	Extruded rub rail
60-11-0200	1	Front left side compartments intermediate height
60-11-0350	1	Second front left side compartments full height E
60-11-0550	1	Second front right side compartment to top of wheel well
60-11-0600	1	Front right side compartments intermediate height
60-11-0800	1	Rear left side compartment to top of wheel well
60-11-1100	1	Rear right side compartment to top of wheel well
60-11-2000	1	High side compartment (over 18") each
60-11-3100	1	No rear compartment E
60-11-4405	1	Flush mount aluminum door - Rescue body rear (single) Vertical hinge for door is on right side - door opens toward right side.
60-11-4415	1	Side entry door not required - Rescue body E
60-11-5500	4	Rollup door - standard height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5510	2	Rollup door - intermediate height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-11-5520	1	Rollup door - full height Natural aluminum finish Includes magnetic door switch, LED tube lights, rubber bumpers to prevent pinch point
60-31-4100	1	Extruded aluminum handrails Minimum 2" clearance from handrail to any surface
60-31-6500	1	Compartment matting- Plastic interlocking tile
60-31-8210	2	Sliding vertical tool board - gas strut Mount in second LS high side compartment L2 - one 8" from forward side wall, one 8" from rearward side wall. Gas strut to be on side next to wall to leave maximum space for a 60-31-8700 sliding tray between the two tool boards Reflective stripe is applied on the exposed edges for visibility when the tool board is extended.
60-31-8700	2	Sliding tray (ea) - 400 pound capacity with gas strut Tray #1 - at floor level in front LS compartment L1 Tray #2 - at floor level in second LS compartment L2, as wide as possible between the 60-31-8210 tool boards Reflective stripe is applied on the exposed edges for visibility when the compartment door is open and when the tray is extended.
60-31-9600	4	Adjustable shelf (ea) Shelf #1 - Full depth front LS compartment L1 Shelf #2 - Full depth LS compartment over rear wheels L3 Shelf #3 - Full depth second RS compartment R2 Shelf #4 - Full depth rear RS compartment R3 Reflective stripe is applied on the exposed edge for visibility when the compartment door is open
60-33-0000	1	Paint exterior - Imron Elite *** Paint code and colour red to match cab

PART NO	QTY	DESCRIPTION
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
60-33-2200	1	Lettering - 80 letters up to 3" tall - 3 colour *** Vinyl letters, Fire Department to provide details on location and text. Every compartment to be lettered. Front left side compartment will be "A" and it will be sequential until the front right side compartment. Letters to be installed on the door header in the middle so they are visible when doors are opened or closed.
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 yellow chevron at rear Minimum 50% of rear vertical surface
60-80-10AA	1	Windows for rescue body A fixed window is installed in the upper portion of the entry door. Sliding windows are installed one each side near front of body. Both left and right sliding windows are to be the same size fixed section next to front of body, screened section next to rear of body so sliding section slides towards front of body.
60-90-1000	1	Bench seat in Rescue Body - no seat belts Located left inside wall as shown on the proposal drawing Warning label - do not ride in this location
60-90-1500	1	Command Desk - Rescue Body The command desk will have a swing out stool. Include dual USB charging station at command desk. Desk height to meet ULC.
60-90-4000	1	Walk in Rescue - Interior white finish and insulation
60-90-5000	1	Interior shelving with doors - Rescue Body E Install a compartment over the pass through at front. The compartment will be the full width of the body.
60-90-5010	30	Bunker gear compartments - aluminum (per compartment) E
60-90-5015	30	Bunker gear compartment netting (per compartment) E
60-90-5088	30	Install one "J" hook in each bunker compartment "J" hook to be installed in the centre of the back wall of each bunker compartment, from top of compartment to tip of the hook is to be 3"
60-90-5588	1	Heater in Rescue Body - Two (2) 240 Volt wired to generator circuit Wall heater 4500 watt 240 volt with integral plenum and thermostat. Heaters are to be permanently mounted and wired, one each side of the fold down seat.
60-90-6100	1	Roof mounted vent/escape hatch
60-91-0500	1	Compartment SCBA Storage rack E SCBA bottle storage to be in the front Right side compartment - minimum 12 storage tubes. A fixed shelf is to be installed on top of the bottle storage to allow use of the rest of the compartment
70-21-2100	1	PTO Hourmeter Included in the Onan FROG display on cab console 20-31-7500
70-21-5500	1	Panel readout for Battery Conditioner Located in left side cab step area.
71-21-3100	1	Transmission warning light (automatic transmission) Wired to transmission ECU, warning light required on console 20-31-7500 to warn of high transmission temperature

PART NO	QTY	DESCRIPTION
	1	ACCESSORIES
80-18-0600	6	<p>SCBA brkt w/strap - ZICO ULLH - crew cab mount Four (4) mounted on Quic Index 80-18-0700 Two (2) mounted on horizontal unistruts on back wall of front RS compartment above SCBA bottle storage</p>
80-18-0700	1	<p>ZICO Quic Index SCBA carousel Zico Quic-Index multiple bracket holder is installed inside the body near the rear entry door.</p>
80-19-0700	1	<p>Electric Access Step for Rescue The electric step to be controlled by a switch in the cab</p>
80-99-05AA	1	<p>10,000 pound Warn Winch SOPT 141a Warn Zeon 10-S Multi mount Winch will be stored in LS rear compartment, configuration to be finalized after cord reel is installed</p>
80-99-10AA	1	<p>Mount Customer extrication equipment Extrication equipment to be mounted in 2nd front LS compartment 1. Holmatro Pump measures 15-1/2" wide x 20" deep x 21-1/2" high 2. Ram measures 21" long x 14" wide x 6-1/2" high 3. Spreader measures 30" long x 12" wide x 8-1/2" high 4. Cutter measures 27" long x 9" wide x 7" deep Pictures located at metalfabphotos/road/Val D'Amour</p>
80-99-15AA	1	<p>Mount and wire Customers radios and flashlights Radios and rechargeable flashlights to be installed in the high side LS compartment. Mount two sizes of traffic hand lights that measure 21-1/2" long and 15-1/2" long Will need Radio bases and rechargeable flash light bases to be provided at the latter part of build. Radios Quantity - 4 x Mag One (4.5" x 4.54" x 10" high) Voltage - 120 VAC Rechargeable flashlights Quantity - 14 x Survivor LED (3" w x 4" d x 9" high) Voltage - 120 VAC Traffic Hand light - 21-1/2" long Quantity - 8 Diameter of barrel - 1.75" Traffic Hand light - 15-1/2" long Quantity - 4 Diameter of barrel - 1.75"</p>
80-99-20AA	1	<p>Mount Customers spine boards - 1 wooden, 1 plastic Spine boards will be one plastic and one wood that will measure 18" w x 72" h x 5" wide. The Customer would like a pocket by the rear door. The front body windows can be smaller and the bunker compartments can be moved ahead to make room for the pocket.</p>