



LDV, Inc.
180 Industrial Drive
Burlington, WI 53105
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**AS BUILT
SPECIFICATIONS FOR:**

**LDV STOCK SERIES
MOBILE COMMAND CENTER**

LDV MODEL # SS28RR-10SV

September 26, 2013



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Item	Qty	
1.00		CHASSIS:
1.01	1	<ul style="list-style-type: none"> • 2010 Freightliner MT-55 forward control chassis. 25,500-lb. GVWR with spring rear suspension and hydraulic brakes. ENGINE: • <i>Cummins</i> ISB 6.7-260 300 HP@2400 RPM ENGINE EQUIPMENT: • 2007 emission certification • 200 amp alternator • (2) <i>Alliance</i> 1131 GRP-31 12v batteries • <i>Cummins</i> exhaust brake integral with variable geometry turbo • Horizontal tailpipe, exit LH forward of rear tires • Antifreeze to -34f, ethylene glycol pre-mixed 50/50 coolant
		<ul style="list-style-type: none"> • 115 volt 1000 watt block heater TRANSMISSION: • <i>Allison</i> 2200 EVS automatic transmission TRANSMISSION EQUIPMENT: • Water to oil transmission cooler FRONT AXLE AND EQUIPMENT: • 8000# single front axle • <i>Bosch</i> hydraulic pin-slide disc front brakes • <i>TRW</i> TAS-55 power steering FRONT SUSPENSION: • 8,000# taperleaf front suspension • Maintenance free rubber bushings - front suspension
		<ul style="list-style-type: none"> REAR AXLE AND EQUIPMENT: • 17,500# single rear axle • 5.13 rear axle ratio • SPL70 <i>Dana Spicer</i> main driveline with half round yokes • Transmission and rear axle driveline guard • <i>Bosch</i> hydraulic pin-slide disc rear brakes • Rear oil seals REAR SUSPENSION: • Freightliner 17,500# taperleaf spring rear suspension with radius leaf • Rear swaybar BRAKE SYSTEM: • <i>Bosch</i> hydraulic brake package • <i>Wabco</i> hydraulic 4S/4M



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		<p><u>CHASSIS EQUIPMENT:</u></p> <ul style="list-style-type: none"> • Three-piece 14" chromed steel bumper with collapsible ends <p><u>FUEL TANKS:</u></p> <ul style="list-style-type: none"> • 60 gal / 227 liter rectangular steel fuel tank - between rails • Length of auxiliary pickup tubes (generators, furnaces etc.) shall prevent these devices from using more than 75% of vehicle's fuel tank capacity <p><u>TIRES:</u></p> <ul style="list-style-type: none"> • 10R22.5 14 ply radial front tires • <i>Michelin XZE</i> 10R22.5 14ply front tires • 10R22.5 14 ply radial rear tires • <i>Michelin XDE M/S</i> 10R22.5 14ply rear tires <p><u>HUBS:</u></p> <ul style="list-style-type: none"> • <i>Gunite</i> iron front hubs with short stud length • <i>Gunite</i> iron rear axle hubs <p><u>WHEELS:</u></p> <ul style="list-style-type: none"> • 22.5x8.25 8-hub pilot 4-hand steel disc front wheels • 22.5x8.25 8-hub pilot 4-hand steel disc rear wheels <p><u>CAB EXTERIOR:</u></p> <ul style="list-style-type: none"> • Hood mounted chromed grille
		<p><u>CAB INTERIOR:</u></p> <ul style="list-style-type: none"> • <i>Sanden</i> compact air conditioner compressor • Auto self-reset circuit breakers and fuses • <i>TRW</i> tilt/3.00" telescopic steering column with foot actuated pedal <p><u>INSTRUMENTS & CONTROLS:</u></p> <ul style="list-style-type: none"> • Black instrument panel-driver • 97 db backup alarm • Cruise control switches • Integrated speedometer message center LCD display, data linked • electric fuel gauge • Multiplexed engine coolant temperature gauge • Transmission oil temperature gauge • Engine hour meter, integral to message center LCD • Multiplexed engine oil pressure gauge • Multiplex speedometer w/LCD message display, odometer (mph) • Multiplexed tachometer 3000 rpm • Voltmeter; multiplexed <p><i>Note: Chassis specifications are from Freightliner Custom Chassis and are subject to change without notice.</i></p>
1.02		<p><u>CHASSIS WARRANTY:</u></p> <ul style="list-style-type: none"> • Two (2)-year/24,000 mile <i>Freightliner</i> MT-55 chassis warranty. • Two (2)-year/unlimited miles <i>Cummins</i> engine warranty. • Five (5)-year/unlimited miles <i>Allison EVS</i> transmission warranty.
1.03	1	Block heater
1.04	1	DOT triangle reflector kit with three (3) triangles.
2.00		<u>BODY:</u>
2.01	1	• Load space area shall be 83" high x 93" wide x 18' long all aluminum step van body.



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		<ul style="list-style-type: none"> • Driver sedan door with slider window, door skin shall be chemically bonded to door frame structure reducing the amount of rivets required. Door shall have continuous stainless steel piano hinge and two (2) nylon straps. • Passenger sedan door with slider window, door skin shall be chemically bonded to door frame structure reducing the amount of rivets required. Door shall have continuous stainless steel piano hinge and two (2) nylon straps. • Sedan doors shall have a 0.125" aluminum tread plate step well for 18" skirt depth. • Sedan doors shall have polished aluminum Tri-mark flush mounted locking hardware with self-aligning rotary latch and matching key locks. Outside door handles not to exceed 50" from ground.
		<ul style="list-style-type: none"> • Aluminum alloy double H wall beam, 6005-T5 alloy, 3" x 3" wide at the base, 1.5" wide at the top, 0.125 wall thickness. Studs feature machined wire pass-throughs, and raised adhesive control features on base. • I-beams shall be chemically bonded to sidewalls eliminating the need for additional rivets. Buck-rivets will be used to fasten the top, bottom and rub rail. Use of two-sided tape is not acceptable. • Body shall have 0.125" strain-hardened aluminum alloy 5052-H36 side panels. The upper panels shall be free of rivets allowing for smooth graphics application. • Skirt supports, 1.5 x 1.5 x 0.125 angle to reinforce skirt edge and hold bottom edge in a straight line. 0.188 x 1.00" flat braces placed at 4' intervals and riveted to lower wall angle and floor to maintain sidewall skirt rigidity. • Fender flares, 1.38" x 2.25" x 0.090" roll formed and radiused 5052-H32 aluminum sheet, mechanically fastened to wheel opening. Edges sealed against moisture.
		<ul style="list-style-type: none"> • NFPA 1901 embossed 0.125" aluminum tread plate roof attached to 3" x 1 1/2" x 0.125" extruded aluminum roof bows on 16" centers. Bows are 2" skip welded every 12" Tread plate seams to be continuous welded. Perimeter of roof shall be chemically sealed. • Lift-up molded fiberglass hood with chrome grill insert. Hood shall have integrated headlamps and turn signal indicators and dual assist gas charged lift shocks. The use of mechanical assist springs is not acceptable. • Extruded aluminum floor with interlocking planks, 1.88" high x various widths, 0.125" top surface. 6005-T5 alloy and temper. Heavy-duty thick-wall extruded planks fore and aft of all floor cutouts and every 5th plank in all other areas. Planks made of 6005-t5 alloy and temper, 0.250" thick top surface.
		<ul style="list-style-type: none"> • Tinted safety plate glass windshield with driver and passenger sun visors. • Full width 12" deep heavy-duty aluminum rear bumper with center step, painted to match the body. • Integral cab air conditioning and heating system with dash controls. • <i>Velvac</i> heated remote control rear view mirrors with dash controls. Upper mirror has 62-sq.in. of flat surface and lower mirror has 30-sq.in. of convex surface. Mirror has a fold-away arm. • Driver seat shall be <i>Seats Inc.</i> Magnum 200 mechanical suspension seat on fixed pedestal. Seat shall be covered in black cloth and have arm rests, lumbar support, tilt back and 3-point seat belt. • Passenger seat shall be a jump seat. • Intermittent windshield wiper/washer with single heavy-duty windshield wiper motor.



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		<ul style="list-style-type: none"> • Custom front wheel cutouts for tires. • Rear frame-mounted tow eyes extending past body. • Aluminum engine box cover with acoustical and thermal insulation. Black molded ABS composite engine box over-lay. • Acoustical and thermal insulation with heat shield on exterior fire-wall. • Full length skirting. Skirt shall extend 18" down from the bottom of floor extrusions. • Dash shall be vacuum formed ABS composite with integrated control pod located left of dash. • All clearance and side marker lights to be LED. • Standard structural warranty of 5 years or 50,000 miles and standard component warranty of 12 months or 12,000 miles. • The vehicle shall be fully sanded on all exterior surfaces with no more than 150 grit to assure removal of imperfections in metal surface. All aluminum shall be chemically etched and primed prior to painting. Base body color shall be oven baked and painted to commercial truck standards. <p><i>Note:</i> Specifications are from body manufacturer and are subject to change without notice.</p>
2.02	1	32" wide x 82" high 0.125" aluminum sedan door with 21.5" wide x 25.5" high fixed window and mini-blind. Door shall have continuous stainless steel piano hinge, two (2) nylon door straps and an aluminum drip rail. Located as shown on drawing.
2.03	1	Two (2) 20-inch wide swinging rear doors with interior and exterior latches, exterior latch has key lock. Includes one window in each door.
2.04		Permanent labels installed on the interior rear doors illustrating handle rotation direction.
2.05	3	Heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed at exterior entry door location.
2.06	1	Heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed inside entry door.
2.07	1	Automatic LED courtesy light at side entry door.
2.08	1	Courtesy light defeat switch on dash.
2.09	1	24" Single manually operated exterior entrance step. Located as shown on drawing.
2.10	1	30" wide 0.125" bright aluminum NFPA 1901 tread plate flip-down step on rear bumper. Step shall have cam lock to secure step while vehicle is in motion.
2.11	1	<i>Maxxima</i> 4" LED Light, Stop/Turn/Tail/Backup, Hybrid Series, Red 16060092 (or current model).
2.12	1	Rear mud flaps with anti-sail brackets.
3.00		<u>PAINT AND GRAPHICS:</u>
3.01		Body base color shall be white.
4.00		<u>DRIVER/PASSENGER CAB AREA:</u>
4.01		<ul style="list-style-type: none"> • Cover cab doors with custom powdercoated panels. • Heavy-duty rubber grab handle on each door. • Custom made panels above driver and passenger doors. • Vehicle height sign on dash. • Insulated black rubber mat in driver and passenger toe plate area. Insulate walls in toe plate area and install carpeted panels. • Vehicle shall have a Final Stage Vehicle Certification and Altered Vehicle Certification as required by Federal Motor Vehicle Safety Standards (FMVSS) 49 CFR Part 567.5 and 567.7 • Payload sticker in cab area with vehicle axle load ratings and available axle payload as built.
4.02	1	Work area on passenger side in front cab area.



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4.03	1	Control panels for 120Vac and 12Vdc systems shall be located in the overhead console. The entire console shall be constructed of 3/4" plywood. The face shall be finished with black laminate and the bottom shall be covered with vinyl.
4.04	1	Red LED/Clear incandescent dome light with 3-position switch, red/off/white.
4.05	1	<i>Pioneer Stereo (or current model) and one (1) pair of Pioneer speakers (or current model)</i>
4.06	1	Zone Defense color back up camera system with 7" LCD monitor with daynight camera.
5.00		WALLS, CEILING AND FLOOR:
5.01		Insulate walls with fiberglass. Cover interior body side posts with plywood sub wall.
5.02		Cover sub wall with smooth finish <i>Kemlite</i> 0.075" fiberglass reinforced plastic (FRP) lining.
5.03		Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, Exposure 1-APA, 6 ply, face veneer plugged and sanded. Meets California Air Resources Board (CARB) phase 2 requirements.
5.04		<i>Lonseal</i> Loncoin II Flecks 150 Onyx non-skid commercial grade PVC flooring. The flooring shall be continuous, one piece full length, full width, no seams..
5.05		2-1/2" vinyl cove molding as required (mop board).
5.06	8	Bright plated E-track, per foot.
5.07		Insulate ceiling with fiberglass. Cover interior roof supports with plywood.
5.08		Cover sub ceiling with <i>Veelok</i> 17-oz. ribbed loop pile fabric.
5.09	2	48" length of <i>VersaTie</i> VT-Track-3 P/N 32200020 (Airline type track) Surface mounted to the floor as shown on the drawing.
5.10	6	<i>VersaTie</i> VT-2000 heavy-duty double stud tie down rings Custom made aluminum bulkheads and shelving system.
5.11	1	Cover rear load space entry doors with 0.100" bright aluminum tread plate with rubber grab handles. Install gas charged lift/support cylinder on each rear door to hold doors open at 90°.
5.12	1	Cover load space door with black powder coated aluminum panel and heavy-duty rubber grab handle.
6.00		GALLEY AND LAVATORY:
6.01	1	<i>Norcold</i> model DE0751BB (or current model) 12 / 24 VDC / 120VAC refrigerator with the following features: <ul style="list-style-type: none"> • 2.7 cu. ft. capacity. • Freezer shelf for ice cube tray. • Two door bins; lower bin holds 2-liter containers. • Integrated door latch.
7.00		SEATING:
7.01	1	<i>Hon ValueTask®</i> swivel chair 5831 black (or current model) with mid back, five caster spider base, adjustable height and no armrests.
8.00		CABINETS:
8.01	2	LED strip light under overhead cabinet, #16070056 (or current model).
8.02		Countertops shall be covered in 0.040" <i>Wilsonart</i> laminate. All exposed edges shall be covered with heavy duty flexible PVC T-molding.
8.03		Closet shelves shall be infinitely adjustable using mini B-line track and hardware.
8.04	3	FRP shelves with 2" lip, located as shown on drawing.
8.05	12	SS Style all Aluminum shelves, located as shown on drawing.
8.06	1	Heavy-duty stainless steel hanger rod in closet. Located as shown on drawing.
8.07	1	Custom fabricated aluminum framed dry erase marker board with pin strip. Sized and located as shown on drawing.
9.00		HVAC SYSTEM:
9.01	1	<i>Fan-tastic Vent</i> model 4000 R (or current model) 3-speed reversible 12" power roof ventilator. SS STYLE MOUNTING.



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9.02	1	PROAIR 60,000 BTU engine-driven air conditioning system, Roof mounted condenser. 22020435, 22020396, 22020414, 22020436, 22020069.
9.03	1	Engine-driven hot water auxiliary heater 2 fan. (22030002)
10.00		120/240VAC ELECTRICAL SYSTEM:
10.01	1	<i>Kussmaul</i> Auto Eject 20, 20A-120Vac shore power inlet with 25-ft. 20A-120Vac shore power cord.
10.02	7	Specification grade 20A-125Vac duplex receptacle. Receptacle is not dedicated to any installed equipment.
10.03		Wire chase wire management raceway system located as shown on drawing. Large Capacity Raceway
10.04	1	Outback Inverter/Converter VFX2812 (or current model) 2800 watt 12Vdc 125Amp. 17100047 Includes Display & Controller 17100037, Temp Sensor 17100038, Breaker Panel 17100040. Product features: <ul style="list-style-type: none"> • Produces true sinewave AC electricity for your stand-alone or backup power needs. • Automatic switching between AC power sources is seamless due to an AC transfer switch that reacts in less than 16 milliseconds. • Unique networked communication is built into all OutBack products providing complete integration. • Product is a DC to AC sinewave inverter, battery charger and AC transfer switch housed within a tough die-cast aluminum chassis.
10.05		120/240VAC WIRING REQUIREMENTS: <ul style="list-style-type: none"> • All 120/240Vac main wiring shall be stranded THHN wire and run in non-metallic <i>Carlton</i> Carflex liquid tight conduit. • All electrical circuits and appliances shall conform to applicable national electrical codes.
11.00		12VDC ELECTRICAL SYSTEM:
11.01	2	6V Deep Cycle Glass Mat Batteries mounted in the interior.
11.02	1	12Vdc control panel with seven (7) UL listed magnetic/hydraulic circuit breakers with red LED indicators, 12Vdc digital voltmeter, and 12Vdc low voltage alarm.
11.03	1	Auxiliary battery disconnect switch.
11.04	6	<i>Thin-Lite</i> model 616 18" white 12Vdc fluorescent light fixtures located as shown on drawing.
11.05	3	<i>Thin-Lite</i> model 616 18" red 12Vdc fluorescent light fixtures located as shown on drawing.
11.06	4	<i>Whelen</i> 810 Series white quartz halogen scene light with 8-32° optics, model number 810CA0ZR (or current model).
11.07	1	<i>Whelen</i> 295HFS2 (or current model) remote siren amplifier with flush mount control head. (No Horn Ring)
11.08	1	<i>Federal Signal</i> TS-100 (or current model) 100 watt speaker behind grill.
12.00		12VDC EMERGENCY LIGHTING:
12.01	1	<i>Whelen</i> TIR3 series Super-LED lighthouse with internal flasher, red LED's with clear outer lens, model RSR03ZCR (or current model). Includes chrome flange RFLANGEC (or current model). Located as shown on drawing.
12.02	1	<i>Whelen</i> TIR3 series Super-LED lighthouse with internal flasher, blue LED's with clear outer lens, model RSB03ZCR (or current model). Includes chrome flange RFLANGEC (or current model). Located as shown on drawing.
12.03	7	<i>Whelen</i> 600 series Linear Super-LED lighthouse with internal flasher, red LED's with clear outer lens, model 60R02FCR (or current model). Includes chrome flange 6EFLANGE (or current model). Located as shown on drawing.
12.04	7	<i>Whelen</i> 600 series Linear Super-LED lighthouse with internal flasher, blue LED's with clear outer lens, model 60B02FCR (or current model). Includes chrome flange 6EFLANGE (or current model). Located as shown on drawing.
12.05	1	Custom fabricated bracket to mount 600 series light above windshield, painted to match body.



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12.06		<p><u>12VDC WIRING REQUIREMENTS:</u></p> <ul style="list-style-type: none"> • 2-gauge minimum copper stranded battery cable shall be used for 12Vdc main supply lines. All cable runs shall be full length, no splices. All cable terminals shall be staked and soldered. All cable shall be enclosed in convoluted polyethylene tubing and the ends of the cable shall be sealed with color-coded shrink-wrap identifying the function of the cable. • All added electrical circuits shall be protected from over-current by resettable circuit breakers appropriately rated for the load. Only circuit breakers shall be used in the installation of added electrical wiring (plug type fuses are unacceptable). • Circuit breaker functions shall be identified by engraved or printed labels.
		<ul style="list-style-type: none"> • All added wiring for load runs shall be AWG 8, 10, 12, 14 and 18 and must conform to MIL-W-16878F. • Wire terminals for added circuits must conform to MIL-T-7928. Terminals shall be insulated, insulation grip, TYPE II, CLASS 2 and shall be crimped with tooling recommended by the terminal manufacturer. • All wiring shall be numbered or lettered on 6" centers minimum. • Wiring shall be protected from chafing and abrasion with convoluted polyethylene tubing (wire loom) as required. • Where wire passes through sheet metal, bulkheads and structural supports, plastic grommets shall be used to protect both wiring and wire looms. • All wire bundles shall be tied with trimmed nylon ties.
		<ul style="list-style-type: none"> • Extreme care shall be exercised to provide for easy serviceability of the system in future years. • Extreme care must be taken in the installation to avoid the engine manifold, engine exhaust, and muffler, which could expose the wiring to severe overheating during long periods of operation. Proper insulation and heat deflection panels must be installed in such areas. • A high-current 12Vdc system wiring schematic shall be provided. • These are the minimum acceptable 12Vdc wiring requirements.
13.00		<p><u>RADIOS:</u></p>
13.01		<p>12Vdc power leads for communications radios to be 8-gauge copper stranded wire with crimp-on end connectors. Power to radios to be controlled by auxiliary master disconnect switch.</p>
13.02	2	<p>Prewire and make installation provisions for communications radio. Installation includes:</p> <ul style="list-style-type: none"> • NMO-style base on the roof or antenna raceway, as applicable. • LMR195 antenna cable routed to radio transceiver location in <i>Carlton</i> Carflex ENT conduit. • 12Vdc power routed to radio transceiver location.
14.00		<p><u>MISCELLANEOUS ELECTRONICS:</u></p>
14.01	1	<p>6X6 JR Products MGE32-A (or current model) Pass through door with key lock. This will allow cables to be passed into the vehicle. (41070018)</p>
15.00		<p><u>EXTERIOR STORAGE COMPARTMENTS:</u></p>
15.01	1	<p>Single door underbody storage compartment with approximate interior dimensions 15" high x up to 36" wide x 25" deep constructed from 0.125" aluminum with all welded seams.</p>



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15.02		Compartments will be constructed to the following specifications: <ul style="list-style-type: none"> • Sweep out type bottoms with 1/2" drain holes. • 2" box pan doors and door frames fabricated from 0.125" aluminum. • Door frames shall be riveted to the body and welded to the compartments. • Compartments shall have a dome light that illuminates when the door is opened. Compartment doors will be constructed to the following specifications: <ul style="list-style-type: none"> • Stainless steel hinges attached with stainless machine screws. • Slam latches and flush mounted handles. • 0.100" bright polished aluminum diamond plate on interior surfaces fastened with stainless hardware. • All horizontally hinged doors shall be held open in a 120° position with gas charged lift/support cylinders. • All doors shall be sealed with industrial grade neoprene gasket.
16.00		MISCELLANEOUS ITEMS:
16.01	1	5 pound dry chemical fire extinguishers.
16.02	1	<i>First Alert</i> 9-volt combination Carbon Monoxide and Smoke alarms.
17.00		MISCELLANEOUS:
17.01		At time of delivery to customers facility a <i>manufacturer</i> representative will provide up to Four (4) hours of orientation on <i>manufacturer</i> provided systems, as applicable: <ul style="list-style-type: none"> • AC and DC electrical systems operation • HVAC systems operation
17.02		<p><i>Note:</i> Project scope does not include certain tasks or costs that are the responsibility of the customer unless clearly specified as <i>manufacture</i> supplied. These items include, but are not limited to:</p> <ul style="list-style-type: none"> • Radio programming. <p>In the event of a discrepancy between the drawing and specification, the specification will supersede. Manufacture reserves the right to make substitutions of equal quality and specifications of those listed in this document.</p>



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GSA PRICING PAGE:

Total commercial price as specified, continental US	\$	176,069.00
GSA 1 unit discounted price as specified	\$	163,399.00

Industrial Funding Fee (IFF)	\$	1,225.00
GSA 1 unit discounted price as specified with IFF	\$	164,624.00

Delivery terms: 12 months or less ARO

GSA pricing is not in effect until models are approved for the LDV schedule. Please consult a Sales Specialist before submitting an order to purchase.

Payment Terms: Net 30

Quote is firm for 30 days from specification date

Quoted price does not include any applicable FET, federal, state or local tax unless specified