



180 Industrial Drive
Burlington, WI 53105 USA
Phone: 800-558-5986
Fax: (262) 767-2529
Direct: +1 (262) 763-0147
www.ldvusa.com

**AS BUILT
SPECIFICATIONS FOR:**

**FOREST PARK PD (GA)
MOBILE COMMAND CENTER**

LDV PROJECT # 500229-001
LDV MODEL # SS32FC-23SV SP0078

**DATE
JULY 10, 2024**

RETROFIT Items:

- 12.09
- 12.10
- 15.02
- 15.04
- 15.06 info only, new inputs/output info
- 15.08
- 18.02
- 18.05
- 18.06
- 18.07 info only, keep as a prep for future 2nd modem
- 18.08
- 18.09
- 21.01
- 21.02
- 21.03



180 Industrial Drive
Burlington, WI 53105 USA
Phone: 800-558-5986
Fax: (262) 767-2529
Direct: +1 (262) 763-0147
www.ldvusa.com

TABLE OF CONTENTS

PRICING PAGE:3
CHASSIS:4
BODY:6
PAINT:8
DRIVER / PASSENGER CAB AREA:9
WALLS, CEILING AND FLOOR:9
GALLEY: 10
SEATING: 11
CABINETS: 11
HVAC SYSTEM: 12
AC ELECTRICAL SYSTEM: 12
DC ELECTRICAL SYSTEM: 14
EMERGENCY LIGHTING / SIRENS: 15
AUDIO / VIDEO: 16
MAST AND MAST MOUNTED EQUIPMENT: 18
RADIOS: 18
COMPUTER NETWORK AND EQUIPMENT: 18
MISCELLANEOUS ELECTRONICS: 20
EXTERIOR STORAGE COMPARTMENTS: 20
MISCELLANEOUS OTHER: 21



180 Industrial Drive
Burlington, WI 53105 USA
Phone: 800-558-5986
Fax: (262) 767-2529
Direct: +1 (262) 763-0147
www.ldvusa.com

PRICING PAGE:

Total price per unit as specified, FOB Origin \$470,711.00

Delivery charge to Forest Park, GA \$3,470.00

Total price per unit	\$474,181.00
-----------------------------	---------------------

Payment Terms: Net 30

GSA contract # 47QMCA21D000F



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
1.00		<p><u>CHASSIS/BODY DIMENSIONS:</u> 22' walk-in van • Wheelbase of chassis: 208" • Overall length of apparatus: 377" • Overall apparatus width, rub rail to rub rail: 99" • Overall height of apparatus (loaded): 128" • Interior walkway height raw body: 83" • Interior walkway height finished: 81.5" • Interior walkway length: 264" • Interior raw body width: 96" • Interior finished body width: 87"</p> <p>Final measurements are dependent on body builder, chassis components, axles, tires, frame, suspension, and roof-mounted equipment.</p>
2.00		<p><u>CHASSIS:</u></p>
2.01	1	<p>Freightliner MT-55G forward control gas chassis. 23,000-lb. GVWR with spring rear suspension and hydraulic brakes.</p> <p><u>ENGINE:</u> • TQS V8-308 6.0L 308 HP @ 4400 RPM, 4600 GOV RPM, 367 LB/FT @ 4400 RPM</p> <p><u>ENGINE EQUIPMENT:</u> • Frontal air intake • Air cleaner mounted on rail • 145 amp alternator • (1) Alliance 931 group 31 12 volt battery • Horizontal tailpipe, exit RH aft of rear tires • Antifreeze to ethylene glycol pre-mixed 50/50 coolant • Rubber coolant hoses • No block heater</p> <p><u>TRANSMISSION:</u> • Allison 2200 HS automatic transmission with park pawl with PTO provision</p> <p><u>TRANSMISSION EQUIPMENT:</u> • Water to oil transmission cooler • Synthetic transmission fluid (TES-295 compliant)</p> <p><u>FRONT AXLE AND EQUIPMENT:</u> • 8,000# drop single front axle • WEMC hydraulic 4-piston fixed caliper disc front brakes • Front grease seal • TRW TAS-55 power steering</p> <p><u>FRONT SUSPENSION:</u> • 8,000# taperleaf front suspension • Maintenance free rubber bushings - front suspension • No front sway bar • Front shock absorbers</p> <p><u>REAR AXLE AND EQUIPMENT:</u></p>



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
		<ul style="list-style-type: none"> • 15,000# single rear axle • 5.71 rear axle ratio • SPL70 Dana Spicer main driveline with half round yokes • Transmission and rear axle driveline guard • Organic SAE 80/90 rear axle lube • WEMC hydraulic 4-piston fixed caliper disc rear brakes • Rear oil seals <p><u>REAR SUSPENSION:</u></p> <ul style="list-style-type: none"> • 15,000# taperleaf spring rear suspension with radius leaf • Rear shock absorbers <p><u>BRAKE SYSTEM:</u></p> <ul style="list-style-type: none"> • Hydraulic brake package • Wabco hydraulic 4S/4M without traction control <p><u>FUEL TANKS:</u></p> <ul style="list-style-type: none"> • 40 gal / 151 liter rectangular steel fuel tank - between rails <p><u>TIRES:</u></p> <ul style="list-style-type: none"> • 245/75R22.5 14 ply radial front tires • 245/75R22.5 14 ply radial rear tires <p><u>HUBS:</u></p> <ul style="list-style-type: none"> • WEMC iron rear hubs painted black <p><u>WHEELS:</u></p> <ul style="list-style-type: none"> • 22.5X7.50 8-hub pilot 5.44 inset aluminum disc front wheels • 22.5X7.50 8-hub pilot aluminum disc rear wheels <p><u>CAB INTERIOR:</u></p> <ul style="list-style-type: none"> • DENSO HD A/C compressor • Auto self-reset circuit breakers and fuses • Tilt steering column <p><u>INSTRUMENTS & CONTROLS:</u></p> <ul style="list-style-type: none"> • Driver message center with LCD display, 24 warning lamps, data linked, AMI • Electric fuel gauge & low fuel indicator lamp • Electric speedometer • Electronic 6000 rpm tachometer • Electric engine oil pressure gauge w/ warning lamp & alarm • Electric engine coolant temperature gauge w/ warning lamp & alarm • Automatic transmission oil temperature gauge w/ warning lamp & alarm • Engine hour meter, integral to message center LCD • 97 dB backup alarm • Cruise control switches • Wagner 7212 turn signal flasher <p>Note: Chassis specifications are from Freightliner Custom Chassis and are subject to change without notice.</p> <p><u>PRODUCTION NOTE:</u></p> <ul style="list-style-type: none"> Prep for leveling jacks Prep fuel tank for fuel fired furnace



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
2.02	1	Upgrade alternator to 220A. NOTE: Upgrade alternator to 220A from Freightliner factory 145A PURCHASING NOTE: 17070134
2.03	1	Federal Signal Back-up alarm model 210331. PURCHASING NOTE: 19260114
2.04	1	US DOT triangle reflector kit with three (3) triangles, for compliance with FMCSA regulations. Includes plastic storage case. Kit will be shipped loose in the vehicle.
3.00		BODY:
3.01	1	<ul style="list-style-type: none"> • Load space area shall be 83" high x 96" wide x 22' long all aluminum step van body. • 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 black non-skid tape on all door entry sills. • Sedan doors shall have polished aluminum TriMark flush mounted locking hardware with self-aligning rotary latch and matching key locks. Outside door handles not to exceed 50" from ground. • Aluminum alloy double H wall beam, 6005-T5 alloy, 3" deep x 1.5" wide, 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. • 0.040" aluminum roof over 3" x 1 1/2" x 0.125" extruded aluminum roof bows on 16" centers. 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. • Bright polished front bumper.



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
		<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. • Velvac 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 Seats Inc. 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 black jump seat with 2-point seat belt. • Intermittent windshield wiper/washer with single heavy-duty windshield wiper motor. • Custom front wheel cutouts for tires. • Aluminum engine box cover with acoustical and thermal insulation. • 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. • 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>Note: Specifications are from body manufacturer and are subject to change without notice.</p> <p>NOTE: 0.040" aluminum roof.</p>
3.02	1	32" wide aluminum sedan door installed above floor. Includes 21.5" wide x 25.5" high fixed window. Door shall have continuous stainless-steel piano hinge, two (2) nylon door straps and an aluminum drip rail.
3.03	4	Interior/Exterior heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed at entry door. PRODUCTION NOTE: Exterior: Driver, Passenger and Rear door Interior: Rear door
3.04	2	Automatic LED courtesy light at entry door. PRODUCTION NOTE: Driver and Passenger door
3.05	1	Courtesy light defeat switch.
3.06	1	24" Single manually operated exterior entrance step. PURCHASING NOTE: 14120018



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
3.07	1	Flip-down aluminum step on rear bumper with Diamondback step surface and stainless-steel rails and bolt on mounts. Step shall have slots in rails for securing step in stow and down position. PRODUCTION NOTE: Standard width 30" for single door Standard open grating
3.08	1	Maxxima LED Round combination stop/tail, turn and reverse lights. PURCHASING NOTE: (2) Lights #16060096 & (4) Connectors #16060100
3.09	1	Cast Products LP0004-1-B aluminum license plate mounting frame with LED light. PURCHASING NOTE: 16080068
3.10	1	Entire underside shall be undercoated. Includes floor extrusions, step wells and aluminum compartments.
3.11	1	LDV rear mud flaps. Includes anti-sail brackets when required.
4.00		<u>PAINT:</u>
4.01		Body base color shall be white.
5.00		<u>INTERIOR COLOR SELECTION:</u> <ul style="list-style-type: none"> • Wall Covering <ul style="list-style-type: none"> ○ Front/Galley room: Silver smooth Kemlite 0.075" FRP ○ Rear room: Chrome carpet • Bulkheads: Silver smooth Kemlite 0.075" FRP • Ceiling Fabric <ul style="list-style-type: none"> ○ Center: Charcoal Gray Texture Powder Coated Aluminum ○ Outside ceiling: Silver Mist carpet • Floor Covering: #150 Onyx PVC Flooring • Office Chairs: Black • Vinyl Coverings: <ul style="list-style-type: none"> ○ Seat bottom to be stock Black Vinyl. ○ Seat back to be Ultraleather Dwell 570-5635 Basalt back • Cabinets: Charcoal Gray Texture Powder Coated Aluminum • Interior door panel: Charcoal Gray Texture Powder Coated Aluminum • Flip down bench seat base: Charcoal Gray Texture Powder Coated Aluminum • Table base/leg(s): Charcoal Gray Texture Powder Coated Aluminum • Counters and Tables: #4879-38 Steel Mesh Laminate • Overhead control console cabinet: Black laminate <p>Note: Manufacturer reserves the right to substitute equivalent materials.</p>



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
6.00		<u>DRIVER / PASSENGER CAB AREA:</u>
6.01	1	Walk-in van custom cab area finishing. <ul style="list-style-type: none"> • Cover cab doors with aluminum panels powder coated. • Heavy-duty rubber grab handle on each door. • Panels covered with vinyl or fabric above driver and passenger doors. • Vehicle height sign on dash. • Insulated black rubber mat in driver and passenger toe plate area. • Insulate walls in kick plate area and install black 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.
6.02	1	Work area on passenger side covered with laminate to match rear countertops and trimmed with vinyl T-molding.
6.03	1	Custom fabricated console to house electrical distribution components and control panels shall be located in the overhead console above the windshield. The entire console shall be constructed of 3/4" plywood. The face shall be finished with laminate the bottom shall be covered with vinyl.
6.04	1	Red/Clear LED dome light with 3-position switch, red/off/white. PURCHASING NOTE: 16060049 (stock)
6.05	1	Color back up camera system with 7" LCD monitor and day/night camera. PURCHASING NOTE: 19270213
6.06	1	AM/FM stereo with Bluetooth and one (1) pair of 6" x 9" speakers. PRODUCTION NOTE: Install microphone for hands free Bluetooth. PURCHASING NOTE: 19170333
7.00		<u>WALLS, CEILING AND FLOOR:</u>
7.01		Insulate walls with a minimum of 2-1/2" of fiberglass insulation. Cover interior body side posts with 1/2" plywood sub wall. PRODUCTION NOTE: Install furring strips if needed.
7.02		Cover sub wall with smooth finish Kemlite 0.075" fiberglass reinforced plastic (FRP) lining. Wall covering shall be a continuous piece front to back, no seams acceptable.
7.03		Cover sub wall with ribbed loop pile carpet.
7.04		Insulate ceiling with a minimum of 2-1/2" of fiberglass. <ul style="list-style-type: none"> • Cover interior roof beams with 1/2" plywood. • Modular panel design allows for manageable future additions and repairs. • Plywood Panels covered in acoustical fabric.
7.05		Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, 6 ply, face veneer plugged and sanded.



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
7.06		Lonseal Loncoin II Flecks non-skid commercial grade PVC flooring. The flooring shall be continuous, one piece full length, full width, no seams.
7.07		Vinyl cove molding (mop board) at base of wall, 2-1/2" high. Installed where required.
7.08	1	Flush pocket door installed on heavy-duty aluminum c-channel track with two (2) three-wheel roller trucks and soft open/close feature. Pocket door shall have recessed handle and magnetic closure to keep the door open/closed. PRODUCTION NOTE: Satin stainless laminate
7.09		All bulkheads shall be covered with Kemlite 0.075" FRP. Trim exposed edges of bulkheads with rounded anodized aluminum trim where applicable.
7.10	1	Cover load space door with powder coated aluminum panel with heavy-duty rubber grab handle. NOTE: Interior window covering will be a mini blind. PRODUCTION NOTE: Powdercoat color textured charcoal gray
7.11	1	Hehr street side mounted 30" wide x 19" high flush mount deep-tint horizontal sliding egress window with screen. NOTE: Interior window covering will be a mini blind. PURCHASING NOTE: 14140912
8.00		<u>GALLEY:</u>
8.01	1	Microwave oven, minimum 1.0 cu. ft..1000-watt. NOTE: Current model is Panasonic NN-SU656B 1.3 Cu. Ft. Black Countertop Microwave Oven PURCHASING NOTE: 20010041
8.02	1	Keurig Coffee maker. NOTE: K475 PURCHASING NOTE: K475 is 20020053, K55 is 20020057 or 20020060
8.03	1	Norcold NR751B AC and DC powered refrigerator with the following features: • 2.7 cu. ft. capacity. • Freezer shelf for ice cube tray. • Door bin holds 2-liter containers. • Integrated door latch. • 120/230Vac 50/60 Hz and 12/24 Vdc PRODUCTION NOTE: Flush mount PURCHASING NOTE: 20050019



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
9.00		<u>SEATING:</u>
9.01	4	HON Basyx HVL210 pneumatic task chair with five-star caster spider base, adjustable height and no armrests. PURCHASING NOTE: 29010088
9.02		Fabricate and install fixed bench seating with removable cushions as shown on drawing. Bench seat cushions shall be covered in heavy-duty vinyl.
9.03		Fabricate and install flip-down bench seating as shown on drawing. Bench seat cushions shall be covered in heavy-duty vinyl. Bottom seat cushion will be installed on Zico Quic-Seat® fold down spring loaded seat brackets.
9.04		<u>BENCH SEAT REQUIREMENTS:</u> <ul style="list-style-type: none"> • Foam for seat backs and bottoms shall be firm density. • All bench seating material must meet Federal Motor Vehicle Safety Standards part 571.302 Flammability of Interior Materials. • Material corners shall be squared or angled to fit precise cut of foam. • Foam shall be bonded to plywood backer with industrial grade adhesive. • Attachment of fabric/vinyl to backer shall utilize industrial grade upholstery staples.
10.00		<u>CABINETS:</u>
10.01		Custom fabricated aluminum cabinets located as shown on drawing. Cabinet specifications: <ul style="list-style-type: none"> • Base cabinets constructed of 0.080" powder coated aluminum with anodized aluminum frames. • Base cabinet doors are double shell, formed from a single sheet of 0.080" aluminum, with a 0.040" aluminum door back attached. • Overhead cabinets constructed of 0.064" powder coated aluminum with anodized aluminum frames. • Overhead cabinet doors are double shell, formed from a single sheet of 0.064" aluminum, with a 0.040" aluminum door back attached. • Overhead cabinet doors swing up with gas spring lift supports. NOTE: As shown in drawing
10.02	1	LED light under overhead cabinet. NOTE: Galley PURCHASING NOTE: 16070056
10.03	1	Magnetic dry erase board framed in aluminum. Includes aluminum clip frame for easy board replacement, sized as required. PRODUCTION NOTE: Front conference room, curbside
10.04		Countertops shall be covered in 0.040" Wilsonart laminate. All exposed edges shall be covered with heavy duty flexible PVC T-molding.
10.05		Conference table covered in 0.040" Wilsonart laminate. All exposed edges shall be covered with heavy duty flexible PVC T-molding.



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
10.06	1	Powder coated 0.125" aluminum conference table base.
10.07	1	Powder coated 0.125" aluminum table leg.
11.00		<u>HVAC SYSTEM:</u>
11.01	1	Fan-tastic Vent model 1450 3-speed reversible 12" power roof ventilator. PURCHASING NOTE: 22110087, 22110088, 22120067, 22110089
11.02	2	Low profile rooftop air conditioner with wall mounted thermostat. Includes: • 13,500 nominal Btu/hr air conditioner with condensate pump. • Ceiling assembly with 6,000 Btu/hr heat strip • Wall mounted thermostat PURCHASING NOTE: 22010222
11.03	2	Broan model 174 wall mount 5,120 Btu/hr electric heater. PRODUCTION NOTE: **Prep fuel tank for fuel fired furnace** PURCHASING NOTE: 22050005
12.00		<u>AC ELECTRICAL SYSTEM:</u>
12.01	1	Power Tech 15-kW 120/240Vac liquid-cooled gasoline generator installed in a custom fabricated compartment. Generator features: • Four point mounting system • Four-cycle water cooled gasoline engine • Radiator cooled, direct mounted and protected enclosure • High-coolant temp and low oil pressure shutdown sensors • Spin-on oil filter and in-line fuel filter • Single side and bottom service • Warranty: 2 years from date of purchase, or 3000 hours whichever comes first, or 36 months from the date of manufacture. Compartment shall be constructed to the following specifications: • 0.187" aluminum with all welded seams. • 2" deep 0.125" aluminum box pan doors and 0.125" aluminum frames. • Door frames riveted to the body and welded to the compartments. • Stainless steel door hinges attached with stainless steel machine screws. • Flush mounted door handles with slam latches. • 0.100" aluminum treadplate panels on interior door surfaces. • Gas charged lift/support cylinders to hold doors open at 90°. • Industrial grade neoprene gasket door seals. • Sound barrier lining on interior compartment. NOTE: Generator exhaust shall be routed to the street side of the vehicle. PURCHASING NOTE: 17010294



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
12.02	1	ACData surge suppressor for protection of entire AC power system. Product features: <ul style="list-style-type: none"> • UL listed: UL1449 3rd Edition • LED visual verification of status PURCHASING NOTE: 17120018
12.03	1	60A-120/240Vac and 12Vdc combined electrical control panel with the following features: <ul style="list-style-type: none"> • Generator and shore power main breakers • Six (6) AC UL listed magnetic/hydraulic branch circuit breakers with LED indicators • Six (6) DC UL listed magnetic/hydraulic circuit breakers with LED indicators • Digital AC meters: voltage, amperage • Digital DC voltmeter • Generator stop/start switch, generator hour meter PURCHASING NOTE: 15140174
12.04		120Vac auxiliary control panels as required with UL listed magnetic/hydraulic circuit breakers and LED indicators. PURCHASING NOTE: 15140147
12.05	1	Marinco 50A-125/250Vac shore power package including: <ul style="list-style-type: none"> • Waterproof shore power inlet with cap • 50-ft. 50A-125/250Vac shore power cord • 6-ft. 50A-125/250Vac pigtail
12.06	2	20A-125Vac duplex receptacle. Receptacle is not dedicated to any installed equipment. NOTE: <ul style="list-style-type: none"> • One (1) electronics rack • One (1) printer
12.07	8	20A-125Vac duplex receptacle with dual USB charging ports [one (1) Type A and one (1) Type C]. Receptacle is not dedicated to any installed equipment. NOTE: <ul style="list-style-type: none"> • One (1) per workstation [qty. 4] • One (1) per between workstation 3/4 • Two (2) conference table base • One (1) passenger front workstation PURCHASING NOTE: 15080826
12.08	1	20A-125Vac GFCI duplex receptacle. These receptacles are not dedicated to any installed equipment. NOTE: Galley
12.09	1	20A-125Vac GFCI duplex receptacle. These receptacles are not dedicated to any installed equipment. NOTE: RETROFIT Exterior TV Compartment



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
12.10	1	20A-125Vac duplex receptacle with dual USB charging ports [one (1) Type A and one (1) Type C]. Receptacle is not dedicated to any installed equipment. NOTE: RETROFIT Exterior TV Compartment PURCHASING NOTE: 15080826
12.11	2	20A-125Vac exterior GFCI duplex receptacle. NOTE: Receptacle will be installed with a weatherproof cover.
12.12		Wire chase wire management raceway system located as shown on drawing. PURCHASING NOTE: 15200128 raceway, 15200129 cover
12.13		<u>AC WIRING REQUIREMENTS:</u> <ul style="list-style-type: none"> • All AC main wiring shall be stranded THHN wire and run in non-metallic liquid tight conduit. • All AC branch circuit wiring shall be stranded THHN wire (AWG 12 minimum) and run in non-metallic liquid tight and ENT conduit. • All electrical circuits and appliances shall conform to applicable national electrical codes.
13.00		<u>DC ELECTRICAL SYSTEM:</u>
13.01		<ul style="list-style-type: none"> • Four (4) Lead acid deep-cycle 6Vdc batteries. Batteries shall be installed underbody in slide out weather resistant aluminum compartment. Compartment shall have box pan door with slam latch, flush mount handle, key lock and Kwikkee heavy-duty slide assembly. Two (2) batteries will be separated for auxiliary equipment (2.2 hours of capacity @ 75-amp discharge rate) and two (2) batteries will be for communications equipment (2.2 hours of capacity @ 75-amp discharge rate). Battery data assumes a usable voltage range of 13.6 to 10.5 volts. • Two (2) electronic converter/chargers, 80 amp minimum output each. Converter/charger features: <ul style="list-style-type: none"> • Charges three banks of batteries at the same time. • UL listed for safety. • Manual reset circuit breaker. • Reverse battery protection. • Electronic current limiting. • High voltage protection. • One (1) master disconnect switch to control the auxiliary battery systems. • 12Vdc auxiliary panels with UL listed magnetic/hydraulic circuit breakers as required. • 12Vdc auxiliary digital voltmeter to monitor the communications battery system.
13.02	18	Light, Orion 6" LED, neutral white with polished bezel. PRODUCTION NOTE: Lighting request: full white, reduced white. Wire in two (2) banks utilizing DC breakers
13.03	5	Whelen M9LZC Gradient LED Scene Light with chrome flange. PURCHASING NOTE: 16040129 includes flange



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
13.04		<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 branch 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 branch circuit wiring (plug type fuses are unacceptable). • Circuit breaker functions shall be identified by engraved or printed labels. • All added wiring for load runs of AWG 10, 12, 14, and 18, shall conform to MIL-W-16878/2 and/or UL1007/1569" • All added wiring for load runs of AWG 8, shall conform to MIL-W-16878/3 and/or UL1028 • 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. • 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.
14.00		<p><u>EMERGENCY LIGHTING / SIRENS:</u></p>
14.01	1	<p>Whelen 295SLSA6 siren with 9 low current lighting control switches. California Title 13 compliant.</p> <p>NOTE: Slide Bar Positions Control:</p> <ol style="list-style-type: none"> 1. Rear (Upper and Lower) 2. Rear (Upper and Lower), All Upper, Front Wall or "Light bar" 3. All <p>PURCHASING NOTE: 19240004</p>
14.02	1	<p>Whelen SA315P high performance speaker.</p> <p>PURCHASING NOTE: 19240082</p>
14.03	1	<p>Whelen TLIR ION-T- Series™ Linear Super-LED® Red with clear outer lens & TIONFC chrome flange.</p> <p>PURCHASING NOTE: 16040287, 16070199</p>



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
14.04	1	Whelen TLIB ION-T- Series™ Linear Super-LED® Blue with clear outer lens & TIONFC chrome flange. PURCHASING NOTE: 16040288, 16070199
14.05	7	Whelen M6 series, M6RC (or current model), Linear Super-LED lighthouse with internal flasher, RED LED's with CLEAR outer lens. Includes M6FC chrome flange. PURCHASING NOTE: 16040131, 16200057
14.06	7	Whelen M6 series, M6BC (or current model), Linear Super-LED lighthouse with internal flasher, BLUE LED's with CLEAR outer lens. Includes M6FC chrome flange. PURCHASING NOTE: 16040132, 16200057
14.07	1	Custom fabricated bracket to mount M6 series light above windshield, painted to match body. PRODUCTION NOTE: Remove/re-use bullet lights and plug holes after removal.
15.00		AUDIO / VIDEO:
15.01	1	Samsung 32" QLED TV QN32Q60AAFXZA with wall mount bracket. Product features: • Resolution 4K • (3) HDMI, (2) USB • (2) Speakers • DTV Tuner/ATSC / Clear QAM • Dimensions: 28.5"(W) x 16.8"(H) x 1.2"(D) Weight 11.7lbs NOTE: Rear room, centered between workstation #3/#4.
15.02	1	Samsung - 43" QLED TV QN43Q60AAFXZA with wall mount bracket. Product features: • Resolution 4K • (3) HDMI, (2) USB • (2) Speakers • DTV Tuner/ATSC / Clear QAM • Dimensions: 38"(W) x 22"(H) x 1"(D) Weight 18.5lbs NOTE: RETROFIT Exterior TV Compartment
15.03	2	Samsung 50" QLED TV (QN50Q60AAFXZA) with wall mount bracket. Product features: • Resolution 4K • (3) HDMI, (2) USB • (2) Speakers • DTV Tuner/ATSC / Clear QAM • Dimensions: 44"(W) x 25.4"(H) x 1"(D) Weight 25.4lbs NOTE: Front conference room, one (1) per side



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
15.04	1	<p>Weatherproof single door exterior work station and TV/monitor compartment. Constructed from 0.125" aluminum with all welded seams and hinged at the top.</p> <p>Includes:</p> <ul style="list-style-type: none"> • Internal flip down work surface • LED strip light (illuminates when door is opened) • Gas charged lift support and locking latch <p>NOTE: RETROFIT Surface mount</p> <ul style="list-style-type: none"> • (1) 43" Samsung TV • (1) Duplex receptacle with USB (C and A) • (1) GFCI duplex receptacle • (1) HDMI input • (2) CAT6 Jack
15.05	1	<p>JACK® model OA8500 Digital HDTV Antenna + Mount with SureLock™ DTV Signal Meter. No crank up, built in Amplifier and 360° rotation for improved reception.</p> <p>PURCHASING NOTE: 19070389</p>
15.06	1	<p>Kramer VS-44H2 4X4 HDMI Matrix Switcher. 4K HDR HDCP 2.2</p> <p>NOTE: RETROFIT</p> <p>Inputs:</p> <ul style="list-style-type: none"> • (1) HDMI input at conference table • (1) HDMI input jack between workstations 1/2 [RETROFIT] • (1) HDMI input jack at exterior TV compartment [RETROFIT] <p>Outputs:</p> <ul style="list-style-type: none"> • (3) Interior TV's • (1) Exterior TV [RETROFIT] <p>PRODUCTION NOTE: Mount bottom of electronics rack and door above Label matrix switcher button of input/output (or make decal with legend of input/outputs and attached to matrix switcher or nearby). Label each TV for its output.</p> <p>PURCHASING NOTE: 19320231</p>
15.07	1	<p>HDMI input jack, wall plate and cable.</p> <p>NOTE: HDMI input jack at front conference room table leg to matrix switcher.</p>
15.08	2	<p>HDMI input jack, wall plate and cable.</p> <p>NOTE: RETROFIT</p> <ul style="list-style-type: none"> (1) HDMI input jack between workstations 1/2 to matrix switcher. (1) HDMI input jack at exterior TV compartment to matrix switcher.
15.09		<p>HDMI connection cables, as required.</p>



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
15.10		All RF cable for DSS antenna systems (when specified) shall be Belden #9116 series 6 broadband coaxial cable. All other video cabling shall be Belden #1505A RG-6/U precision video cable.
16.00		<u>MAST AND MAST MOUNTED EQUIPMENT:</u>
16.01	1	Prewire and make installation provisions for customer installed mast on rear of vehicle. Includes: <ul style="list-style-type: none"> • Internal support structure for future mast install on rear of truck • Carlon Carflex ENT conduit routed from mast location to equipment rack cabinet for camera wiring (camera not included). • Receptacle for mast compressor on dedicated circuit (compressor not included).
17.00		<u>RADIOS:</u>
17.01		Primary 12Vdc power leads for communications radios shall be minimum 2-gauge copper stranded wire with soldered crimp-on end connectors (gauge based on radio requirements). Cables shall be enclosed in convoluted tubing and function identified with colored shrink-wrap. Power to radios shall be controlled by a continuous-duty switch actuated by the auxiliary battery disconnect switch.
17.02	2	Prewire and make installation provisions for communications radio. Installation includes: <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 Carlon Carflex ENT conduit. • 12Vdc power routed to radio transceiver location. NOTE: One (1) driver One (1) rear curbside workstations #3/#4
17.03		Install hinged panels under countertops to conceal radio transceivers where applicable.
17.04		Single 3"H x 3"W x 12'L square aluminum tube antenna raceway on the roof of the apparatus. Antenna raceway will penetrate the roof at one location, to be determined. Includes the following: <ul style="list-style-type: none"> • 3" high x 3" long aluminum access cover at each antenna base location on the side of the tubing for access to antenna base and coax cable. • Access covers with watertight gasket and attached with four (4) stainless steel machine screws. Raceway tube to have nut-serts installed for access cover attachment. • Carlon Carflex ENT conduit routed from antenna raceway penetration location to radio transceiver locations.
18.00		<u>COMPUTER NETWORK AND EQUIPMENT:</u>
18.01	8	RJ-45 Cat6 computer network jack with Cat6 cable routed through Carlon Flex-Plus ENT conduit or raceway (as applicable). NOTE: <ul style="list-style-type: none"> • One (1) per workstation [qty. 4] • Two (2) conference table base • One (1) passenger front workstation • One (1) printer



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
18.02	2	RJ-45 Cat6 computer network jack with Cat6 cable routed through Carlon Flex-Plus ENT conduit or raceway (as applicable). NOTE: RETROFIT Exterior TV Workstation
18.03	1	Leviton 69270-U24 24-port Cat6 rack mount patch panel. PURCHASING NOTE: 19110080
18.04	1	Cable Certification Report confirming that network wiring complies with Cat6 specifications.
18.05	1	Allied Telesis AT-GS950/24-10 24-port 10/100/1000T Unmanaged Gigabit Switch. Product features: <ul style="list-style-type: none"> • Wirespeed performance • Auto-negotiation Gigabit ports • Auto MDI/MDIX on TX ports • Transparent to VLAN packets • Full duplex flow control NOTE: RETROFIT PURCHASING NOTE: 19110271
18.06	1	Brother Multi-Function Laser Printer (MFC-L3780CDW) Product features: <ul style="list-style-type: none"> • Black/white or color print, copy, scan and fax • Built-in dual band wireless (2.4GHz / 5GHz)5, Gigabit Ethernet and Wi-Fi Direct • Dimensions (W X D X H) 18.2 x 16.1 x 15.8 in; 47.8 Lbs. NOTE: RETROFIT
18.07	1	Make installation provisions for customer owned 5G wireless router with single modem. Includes weathertight box mounted on antenna raceway or roof for future mounting of antenna. NOTE: Keep as a prep for future install of 2nd modem antenna. PRODUCTION NOTE: Install LDV MIMO box 74020025 PURCHASING NOTE: 74020025
18.08	1	Cradlepoint E3000 cellular router with WiFi (5G Modem) and 1-year NetCloud Enterprise Branch Essentials Plus Advanced Plan. NOTE: RETROFIT PURCHASING NOTE: 19111253 BFA1-30005GB-GN



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
18.09	1	Cellular modem antenna with GNSS. MobileMark LTMWG944 (4x 5G Cellular, 4x WiFi 6E, GNSS) is a 9-cable antenna covering is 5G ready and backward compatible for 4G LTE. This antenna has four Cellular elements, four WiFi 6E elements, and a 1x GNSS element. Measures 5.5" (140 mm) in diameter with a low profile of 2.38" NOTE: RETROFIT PURCHASING NOTE: 19230487
19.00		<u>MISCELLANEOUS ELECTRONICS:</u>
19.01	1	Middle Atlantic SRSR-X-14 (or current model) fourteen (14) space 19" wide x 23.25" depth open framed EIA electronics equipment rack with sliding rail system and swivel base. Rack to easily slide out and swivel from its fixed position allowing full access to rack mounted equipment. 200lb weight limit. PRODUCTION NOTE: Two (2) Middle Atlantic 3"D Rack rail recessor p/n RR2-3RCN Secure upper portion of rack to stabilize PURCHASING NOTE: 32100744, (2) 32100659
19.02	1	Middle Atlantic PSDR-12 rack front door with key lock. PURCHASING NOTE: 32100671
19.03	1	Middle Atlantic FTA-3 1 space fan tray, with three (3) 69 cfm ventilation fans. PURCHASING NOTE: 32100340
19.04	1	Middle Atlantic PD-815SC-NS 15 amp power strip with eight (8) outlets. Includes PB-XS rack mounting bracket. PURCHASING NOTE: (1) 32100108 and (1) 32100109
20.00		<u>EXTERIOR STORAGE COMPARTMENTS:</u>
20.01	1	Single door underbody storage compartment with approximate interior dimensions 15" high x up to 48" wide x 25" deep constructed from 0.125" aluminum with all welded seams.
20.02		Compartments listed above 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 an LED 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 doors shall be sealed with industrial grade neoprene gasket.



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
21.00		MISCELLANEOUS OTHER:
21.01	1	Automatic Awning with acrylic fabric and the following features: <ul style="list-style-type: none"> • Solid-state sensor automatically closes awning after detecting sustained winds • Exclusive Knee-Action Design prevents damage from sudden wind gusts • Heavy duty motor is fully contained in the roller tube, self-locks awning in travel position • Unique spring-arm mechanism automatically dumps accumulating rain water NOTE: RETROFIT Carefree Travel'r. Cadet Gray fabric and white case
21.02	1	Removable Quartet Magnetic Porcelain Marker Board 36" x 24". <ul style="list-style-type: none"> • White, magnetic; matte finish for reduced glare. • Full-size tray for markers and erasers. • Magnetic brackets on the exterior of the vehicle. NOTE: RETROFIT PURCHASING NOTE: 29020002
21.03	1	Heavy-duty zippered storage bag for exterior shelf or dry erase board. NOTE: RETROFIT
21.04	2	5 pound dry chemical fire extinguisher.
21.05	2	Battery powered combination Carbon Monoxide and Smoke alarm.
21.06	1	Complete manual set, including the following (as applicable): <ul style="list-style-type: none"> • As-built specifications with interior and exterior drawings as used for production of the vehicle. • Chassis and body owner's manuals. • 12Vdc and 120Vac legends showing wire gauge, color, number and function. • 12Vdc high current wiring diagram illustrating the battery system, isolators, power converters, alternator, disconnect switches and control panels. • Roof top antenna placement drawing and legend identifying antenna placements and termination points. • Audio/Video cabling diagram. • Chassis and generator maintenance and service logs. • Battery maintenance information. • All individual component manuals and warranty registration cards as provided by component manufacturers. Customer is responsible for completing warranty cards and mailing them to manufacturers.
21.07	1	TRAINING. An LDV representative will provide up to four (4) hours of orientation on LDV provided systems, as applicable: <ul style="list-style-type: none"> • Generator start up and shut down procedure • Leveling system operation • AC and DC electrical systems operation • HVAC systems operation • Audio/Video system operation, does not include programming DVR's, TV's, etc.



CUSTOM SPECIALTY VEHICLES

180 Industrial Drive
Burlington, WI 53105 USA

Phone: 800-558-5986
Fax: (262) 763-0156
Direct: +1 (262) 763-0147
www.ldvusa.com

Item	Qty	
21.08		LDV warranty of one (1) year/12,000 miles, whichever comes first, for manufacturer's defects in materials and workmanship. Refer to LDV warranty statement for details of warranty coverage.
21.09		<p>Note: Project scope does not include certain tasks or costs that are the responsibility of the customer unless clearly specified as LDV supplied. These items include, but are not limited to:</p> <ul style="list-style-type: none">• Radio and telephone system programming.• Activation and service fees for cellular telephones, satellite telephones, satellite TV, satellite internet access.• Loading and configuring computer software. <p>In the event of a discrepancy between the drawing and specification, the specification will supersede. LDV reserves the right to make substitutions of equal quality and specifications of those listed in this document.</p> <p>Some component models change frequently. In the event that a specified component model becomes unavailable at the time LDV attempts to source it, LDV will provide a replacement model with equivalent or better features, as agreed upon with the customer.</p>