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**PRELIMINARY
SPECIFICATIONS FOR:**

**COPPELL PD (TX)
MOBILE COMMAND CENTER**

LDV MODEL # S32MCC-33603-17

DATE

**~~January 5, 2018~~
February 23, 2018**



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TABLE OF CONTENTS

CHASSIS:	4
BODY:.....	6
PAINT / GRAPHICS:	8
DRIVER / PASSENGER CAB AREA:	8
WALLS, CEILING AND FLOOR:	9
GALLEY / LAVATORY:	9
SEATING:	10
CABINETS:.....	10
HVAC SYSTEM:.....	11
AC ELECTRICAL SYSTEM:.....	11
DC ELECTRICAL SYSTEM:	12
EMERGENCY LIGHTING / SIRENS:	13
AUDIO / VIDEO:	13
MAST AND MAST MOUNTED EQUIPMENT:	14
RADIOS:	15
COMPUTER NETWORK AND EQUIPMENT:	16
MISCELLANEOUS ELECTRONICS:	17
EXTERIOR STORAGE COMPARTMENTS:	17
MISCELLANEOUS OTHER:	17



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PRICING PAGE:

Total commercial price per unit as specified, FOB Origin	\$410,243.00
Discount amount	-\$29,521.00
HGAC discounted price for 1 unit as specified	\$380,722.00

Contract Administration Fee - HGAC	\$1,000.00
HGAC discounted price for 1 unit as specified with Contract Admin Fees	\$381,722.00
Delivery charge to Coppell PD (TX) (OPEN MARKET ITEM)	\$2,820.00

Total price per unit	\$384,542.00
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Delivery terms: Ask your Sales Representative

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.

Item	Qty	
1.00		<p><u>CHASSIS/BODY DIMENSIONS:</u></p> <p>22' walk-in van (MT-55)</p> <ul style="list-style-type: none"> • Wheelbase of chassis: 218" • Overall length of apparatus: 377" • Overall apparatus width, rub rail to rub rail: 96" • Overall height of apparatus (loaded): 134" • Interior walkway height raw body: 83" • Interior walkway height finished: 81.5" • Interior walkway length: 264" • Interior raw body width: 93" • Interior finished body width: 87" <p>Final measurements are dependent on body builder, chassis components, axles, tires, frame, suspension, and roof-mounted equipment.</p>
2.00		<u>CHASSIS:</u>
2.01	1	<p>2019 Freightliner MT-55 forward control chassis. 26,000-lb. GVWR with air ride rear suspension and hydraulic brakes.</p> <p><u>ENGINE:</u></p> <ul style="list-style-type: none"> • Cummins B 6.7-260 260 HP@2400 RPM <p><u>ENGINE EQUIPMENT:</u></p> <ul style="list-style-type: none"> • 2008 Carb emission certification - clean idle • 12V 200 AMP 28-SI Quadramount pad alternator • (2) model 1131, group 31, 12 volt maintenance free 1900 CCA threaded stud batteries • 18.7 CFM air compressor with internal safety valve • GVG, Fire and emergency service vehicles engine warning • Exhaust brake integral with variable geometry turbo with ON/OFF dash switch • Engine aftertreatment device, automatic over the road active regeneration and dash mounted single regeneration request/inhibit switch • 10 Gallon DEF tank RH frame MTD • LH horizontal tailpipe, exit forward of rear tires • Antifreeze to -34f, ethylene glycol pre-mixed 50/50 coolant • Gates blue stripe coolant hoses or equivalent • 1000 watt/115 volt block heater <p><u>TRANSMISSION:</u></p> <ul style="list-style-type: none"> • Allison 2200 EVS automatic transmission with park pawl with PTO provision <p><u>FRONT AXLE AND EQUIPMENT:</u></p> <ul style="list-style-type: none"> • 10,000# Drop single front axle • Front oil seals • Synthetic 75w-90 front axle lube • TRW TAS-65 power steering <p><u>FRONT SUSPENSION:</u></p> <ul style="list-style-type: none"> • 10,000# taperleaf front suspension • Front stabilizer bar • Front shock absorbers <p><u>REAR AXLE AND EQUIPMENT:</u></p> <ul style="list-style-type: none"> • 17,500# Single rear axle • Rear oil seals • 5.13 Rear axle ratio • Synthetic 75w-90 rear axle lube

Item	Qty	
		<p><u>REAR SUSPENSION:</u></p> <ul style="list-style-type: none"> • 18,000# Airliner rear suspension • Manual dump valve for air suspension with indicator light, without gauge • Dual instant response rear suspension leveling valves • Rear swaybar • Rear shock absorbers <p><u>BRAKE SYSTEM:</u></p> <ul style="list-style-type: none"> • Bosch hydraulic brake package • Wabco hydraulic 4S/4M without traction control <p><u>FRAME:</u></p> <ul style="list-style-type: none"> • 5/16"X2.81"X9-1/8" steel frame <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"> • Michelin XZE 255/70R22.5 16 PLY Radial front tires • Michelin XDE XD2 255/70R22.5 16 PLY Radial rear tires <p><u>WHEELS:</u></p> <ul style="list-style-type: none"> • Accuride 50487 ACCU-LITE 22.5x8.25 10-hub pilot 5-hand steel disc front wheels • Accuride 50487 ACCU-LITE 22.5x8.25 10-hub pilot 5-hand steel disc rear wheels <p><u>CAB EXTERIOR:</u></p> <ul style="list-style-type: none"> • Hood mounted chromed plastic grille • Dual electric horns <p><u>CAB INTERIOR:</u></p> <ul style="list-style-type: none"> • Compact air conditioner compressor • Auto self-reset circuit breakers and fuses • TRW tilt/3.00" telescopic steering column with foot actuated pedal <p><u>INSTRUMENTS & CONTROLS:</u></p> <ul style="list-style-type: none"> • Green gauge backlighting • Driver message center W/LCD Display, 24 warning lamps, data linked, AMI • Electronic MPH Speedometer with secondary kph scale, without odometer • Electronic 3500 RPM Tachometer • Single air pressure gauge for hydraulic brakes with air provision • Electric engine oil pressure gauge w/warning lamp and alarm • Electric engine coolant Temp gauge w/warning lamp and alarm • Digital voltage display integral with driver display • Elec fuel gauge & low fuel IND lamp • Automatic transmission oil temp gauge w/warning lamp • Engine hour meter, integral to message center LCD • Intake mounted air restriction indicator with graduations • 97 Db Backup alarm • Cruise control switches • Programmable RPM Ctrl w/low voltage auto high idle & RPM Ctrl switches • Wagner 7212 turn signal flasher <p>Note: Chassis specifications are from Freightliner Custom Chassis and are subject to change without notice.</p>

Item	Qty	
2.02	1	Federal Signal Back-up alarm model 210331.
2.03	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.
2.04	1	Stainless steel wheel liners with braided stainless steel valve stem extenders.
2.05	1	Route horizontal exhaust to streetside.
3.00		<u>BODY:</u>
3.01	1	<ul style="list-style-type: none"> • Load space area shall be 83" high x 93" 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" 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. • 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 shall 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. • Bright polished front bumper. • 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 <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

Item	Qty	
		<p>seat belt.</p> <ul style="list-style-type: none"> • Passenger 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. Seat not to extend back into loadspace area. • Intermittent windshield wiper/washer with single heavy-duty windshield wiper motor. • 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 overlay. • 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>
3.02	3	Exterior heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed at entry door.
3.03	1	<p>Interior heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed at entry door.</p> <p>NOTE: Located on rear door.</p>
3.04	2	<p>Automatic LED courtesy light at entry door.</p> <p>NOTE: Located at driver and passenger doors.</p>
3.05	1	<p>Wire one of the overhead lights to function as a courtesy light when the entry door is opened.</p> <p>NOTE: Located at rear entry door.</p>
3.06	1	Courtesy light defeat in Intel-I-Touch™ multiplex control screen. Each entry door courtesy light will be automatically deactivated where the corresponding room has the overhead lighting set to night mode.
3.07	1	24" Single C manually operated exterior entrance step X053W951247 (or current model).
3.08	1	30" wide aluminum flip-down step on rear bumper with diamondback planking step surface. Step shall have cam lock to secure step while vehicle is in motion.
3.09	1	Maxxima LED Round combination stop/tail, turn and reverse lights.
3.10	1	Entire underside shall be undercoated. Includes chassis, floor extrusions, step wells and aluminum compartments.
3.11	1	LDV rear mud flaps. Includes anti-sail brackets when required.
3.12	1	<p>Flat floor slide-out room extension 90" fabricated with a structurally rigid welded aluminum tube design with a fully bonded aluminum shell. During deployment an electronic control system automatically expands the room extension and lowers the floor to flush position.</p> <p>Features:</p> <ul style="list-style-type: none"> • Electric over hydraulic control system programmed to lower the slide out to floor height after

Item	Qty	
		<p>full extension of 26".</p> <ul style="list-style-type: none"> • Awning that automatically extends and retracts over the top of the room to protect from weather and debris. • Full perimeter double rubber bulb seal with an additional seal in the fully extended and fully retracted positions. • No track or hardware shall be attached to the ceiling of the body.
3.13		Ignition Interlock to prevent vehicle from starting when any of the external extension devices are deployed.
4.00		<u>PAINT / GRAPHICS:</u>
4.01		Body base color shall be black.
4.02	1	<p>Custom computer-generated non-reflective vinyl graphics per customer specifications. Includes up to seventy 8"-10" letters and up to forty-five 3"-6" letters. All lettering can be shaded or outlined.</p> <p><i>Note:</i> Graphics package does not include production of custom shields and/or seals.</p>
5.00		<p><u>PATRIOT ONYX INTERIOR:</u></p> <ul style="list-style-type: none"> • Wall Covering: Carpet • Ceiling Fabric: Silver Mist Headliner • Floor Covering: #150 Onyx PVC Flooring • Office Chairs: Black • Vinyl Coverings: #WH1-2140 Whisper Black • Cabinets: #EBT-2-2002 Black Powder Coated Aluminum available in RAL-7035 Grey on request • Counters and Tables: #4880-38 Carbon Mesh <p><i>Note:</i> Manufacturer reserves the right to substitute equivalent materials.</p>
6.00		<u>DRIVER / PASSENGER CAB AREA:</u>
6.01	1	<p>Walk-in van custom cab area finishing.</p> <ul style="list-style-type: none"> • Cover cab doors with aluminum panels powder coated black. • 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 Intel-I-Touch™ Control electrical distribution components and control panels. Console 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.
6.05	1	Zone Defense color back up camera system with 7" LCD monitor and day/night camera. Camera includes a microphone for audio commands from a spotter to the driver during backing operations.
6.06	1	AM/FM stereo with Bluetooth and one (1) pair of 6" x 9" speakers.

Item	Qty	
6.07	1	<p>Blackout curtains for all cab area windows. Curtain specs:</p> <ul style="list-style-type: none"> • Woven fabric made of pigmented and acrylic top coated 45% polyester / 55% cotton fabric • Tensile Strength: 283 lbs. x 214 lbs. • Manufacturer's 5-year limited warranty • Seams shall be double stitch/single fold • Meets California State Fire Marshall requirements for flame retardancy - Title 19, CPAI-84 (Section 6), and FMVSS-302 <p>NOTE: Blackout curtain color will be TBD</p>
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.
7.02		Cover sub wall with ribbed loop pile carpet.
7.03		<p>Insulate ceiling with a minimum of 2-1/2" of fiberglass with an R-11 rating.</p> <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. <p>NOTE: Ceiling finish will be silver headliner material</p>
7.04		Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, 6 ply, face veneer plugged and sanded.
7.05		Lonseal/ Loncoin II Flecks 150 Onyx non-skid commercial grade PVC flooring. The flooring shall be continuous, one piece full length, full width, no seams.
7.06		Vinyl cove molding (mop board) at base of wall, 2-1/2" high. Installed where required.
7.07	1	30" FRP covered pocket door installed on heavy-duty aluminum track with two (2) four-wheel roller trucks. Pocket door shall have recessed handles and a latch to keep the door closed.
7.08		All bulkheads shall be covered with <i>Kemlite</i> 0.075" FRP. Trim exposed edges of bulkheads with rounded anodized aluminum trim where applicable.
7.09	1	<p>Cover load space door with powder coated aluminum panel with heavy-duty rubber grab handle.</p> <p>NOTE: Interior window covering will be a mini blind. Powder coat color will be black.</p>
7.10	1	<p>Hehr street side mounted 30" wide x 19" high flush mount deep-tint horizontal sliding egress window with screen.</p> <p>NOTE: Interior window covering will be a mini blind.</p>
7.11	2	<p>Window shall have Roll Up/Removable blackout curtains.</p> <p>NOTE: Locations: Rear door and street side window.</p>
8.00		<u>GALLEY / LAVATORY:</u>
8.01	1	Magic Chef model MCD1110BB 1.1 cu.ft. 1000-watt microwave oven.
8.02	1	Black and Decker Space Maker Undercabinet Coffee Maker.

Item	Qty	
8.03	1	Norcold NR751B AC and DC powered refrigerator with the following features: <ul style="list-style-type: none"> • 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
9.00		<u>SEATING:</u>
9.01	5	HON Basyx HVL210 pneumatic task chair with five-star caster spider base, adjustable height and no armrests. Chair secured with bungee cord for transit.
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.
10.02	4	Magnetic dry erase writing surface on overhead cabinet door.
10.03	4	Gas spring lift supports on overhead cabinet door.
10.04	4	LED light with on/off switch, mounted under overhead cabinet,
10.05		Gusset support for counter top open areas.
10.06	1	Magnetic dry erase board framed in aluminum. Includes aluminum clip frame for easy board replacement, sized as required.
10.07		Countertops shall be covered in 0.040" <i>Wilsonart</i> laminate. All exposed edges shall be covered with heavy duty flexible PVC T-molding.
10.08		Conference table covered in 0.040" <i>Wilsonart</i> laminate. All exposed edges shall be covered with heavy duty flexible PVC T-molding.
10.09	1	Powder coated 0.125" aluminum conference table base.
10.10		Folding leaf for conference table.



CUSTOM SPECIALTY VEHICLES

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Item	Qty	
11.00		<u>HVAC SYSTEM:</u>
11.01	1	<i>Fan-tastic</i> Vent model 1250 3-speed reversible 12" power roof ventilator.
11.02	2	Ducted Coleman Polar Mach 8 series low profile air conditioner with thermostat. Includes: <ul style="list-style-type: none"> • High Capacity Air Duct manufactured from polystyrene foam laminated with 99% pure polished aluminum inside and out, internally mounted in ceiling • 15,000 nominal Btu/hr air conditioner with condensate pump. • Chill Grille Assembly with 5,600 Btu/hr heat strip • Wall mounted thermostat (white) • Louvered Ceiling Vents, as required
12.00		<u>AC ELECTRICAL SYSTEM:</u>
12.01	1	<p><i>Onan</i> Commercial Quiet Diesel 12-kW generator model 12.0HDKCD-2209 (or current model) mounted in a custom fabricated all aluminum compartment. Generator features:</p> <ul style="list-style-type: none"> • Computer-controlled constant speed operation • Unique sound-controlled housing encloses cooling system and muffler (69 dB(A) @ full load measured at 10 feet) • Three-point, fully focalized internal mounting system • Service and maintenance points accessible through easy-latch side service door • High quality, pure sine wave electrical output maximizes sensitive equipment performance • Typical Gal/hr fuel consumption: No load = 0.11, Half load = 0.48, Full load = 1.20 <p>Compartment shall be constructed to the following specifications:</p> <ul style="list-style-type: none"> • Compartment shall be constructed from 0.187" aluminum with all welded seams. • Compartment shall have 0.125" aluminum 2" box pan doors and 0.125" aluminum frames. • Door frames shall be riveted to the body and welded to the compartments. • Doors shall have stainless steel hinges attached to the doors and door frames with stainless machine screws. • Doors shall have slam latches and flush mounted handles. • Doors shall have 0.100" aluminum treadplate panels on interior surfaces. • Doors shall be held open in a 90° position with gas charged lift/support cylinders. • Doors shall be sealed with industrial grade neoprene gasket. <p>NOTE: Generator exhaust shall be routed to the street side of the vehicle. Placement of the pickup supply tube in the fuel tank shall prevent the generator from using more than 75% of vehicle's fuel tank capacity.</p>
12.02	1	<p><i>ACData</i> AC2060 surge suppressor for protection of entire AC power system.</p> <p>Product features:</p> <ul style="list-style-type: none"> • UL listed: UL1449 3rd Edition • LED visual verification of status
12.03	1	<p>LDV exclusive Intel-I-Touch™ vehicle automation control system.</p> <p>The multiplex controlled power and data electronics system is incorporated into a common touch screen with the ability to distribute and control strategic on board systems. It also simultaneously allows distribution of the information to multiple onboard control/monitoring stations. This system simplifies start up procedures, contains fewer operating components, reduces operational start-up time, reduces the total amount of wiring in the vehicle and has error detection protocols and troubleshooting features.</p> <p><u>Multiplex system features:</u></p> <ul style="list-style-type: none"> • One (1) 10" LCD touch screens with custom graphics for control and monitoring at separate control stations • Touch pads with custom graphics for local control • AC power distribution control and monitoring for the generator with power management

Item	Qty	
		<ul style="list-style-type: none"> • DC power distribution control and monitoring • Manual or automatic generator control • HVAC and temperature control. • Lighting control Day/Night mode • Automatic power transfer switches • Automated startup and shutdown procedures • Seamless control of generators, lighting, awnings and additional devices • Mast control • Safety interlocks <p>The system is completely upgradeable with power modules located throughout vehicle. Additional components may be added to system with a simple software modification.</p>
12.04	1	<i>Kussmaul</i> Auto Eject 20, 20A-120Vac shore power inlet with 25-ft. 20A-120Vac shore power cord. #091-20WP-120RD.
12.05	1	<i>Marinco</i> 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	7	20A-125Vac duplex receptacle with dual USB charging ports. Receptacle is not dedicated to any installed equipment.
12.07	1	20A-125Vac GFCI duplex receptacle. These receptacles are not dedicated to any installed equipment.
12.08	2	20A-125Vac exterior GFCI duplex receptacle. NOTE: Receptacle will be installed with a weatherproof cover.
12.09		Wire chase wire management raceway system located as shown on drawing.
12.10		<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 <i>Carlton</i> Carflex liquid tight conduit. • All AC branch circuit wiring shall be stranded THHN wire (AWG 12 minimum) and run in non-metallic <i>Carlton</i> Carflex liquid tight and <i>Carlton</i> Flex-Plus blue ENT conduit. • All electrical circuits and appliances shall conform to applicable national electrical codes.
13.00		<u>DC ELECTRICAL SYSTEM:</u>
13.01	1	<ul style="list-style-type: none"> • Four (4) Lead acid deep-cycle 6Vdc batteries. Batteries shall be installed underbody in slide out weather resistant compartment. Two (2) batteries will be separated for auxiliary equipment and two (2) batteries will be for communications equipment. • Two (2) electronic converter/chargers, 80 amp minimum output. 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. • All DC electrical and metering switched and monitored through the multiplex system.
13.02	1	Battery combiner automatically combines the battery banks during charging and isolates when no charging sensed on either bank. A three position control switch allows an operator to manually combine or separate batteries, to jump start engine or troubleshoot a failure.
13.03	20	Light, Orion 6" LED, neutral white with polished bezel.
13.04	5	Whelen M9ZC Gradient LED Scene Light. Includes chrome flange.

Item	Qty	
13.05		<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. • 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		<u>EMERGENCY LIGHTING / SIRENS:</u>
14.01	1	Whelen 295SLSA6 siren with 9 low current lighting control switches.
14.02	1	Whelen SA315P high performance, multi-port 100 watt speaker with Whelen SAK1 mount.
14.03	1	Whelen TIR3 series Super-LED lighthouse with internal flasher, red LED's with clear outer lens, model RSR03ZCR. Includes chrome flange RFLANGCD.
14.04	1	Whelen TIR3 series Super-LED lighthouse with internal flasher, blue LED's with clear outer lens, model RSB03ZCR. Includes chrome flange RFLANGCD.
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.
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.
14.07	1	Custom fabricated bracket to mount emergency lights above windshield, painted to match body.
15.00		<u>AUDIO / VIDEO:</u>
15.01	1	<p>Samsung UN24H4500AFXZA - 24" LED TV (or current model) with wall mount bracket.</p> <p>Product features:</p> <ul style="list-style-type: none"> • Resolution 1366 x 768 • Component , Composite • (2) HDMI, (2) USB • (2) speakers • DTV Tuner/ATSC / Clear QAM



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Item	Qty	
		<ul style="list-style-type: none"> • Dimensions: 22.1"(W) x 13.7"(H) x 1.9"(D) Weight 8.6lbs
15.02	1	<p><i>Samsung UN32H5500AFXZA</i> - 32" LED TV with wall mount bracket. Product features:</p> <ul style="list-style-type: none"> • Resolution 1920 x 1080 • Component , Composite • (3) HDMI, (2) USB • (2) Speakers • DTV Tuner/ATSC / Clear QAM • Dimensions: 28.4"(W) x 16.9"(H) x 2.6"(D) Weight 10.8lbs
15.03	1	<p>Prewire and make installation provisions for supplied TV,</p> <ul style="list-style-type: none"> • Includes 120 volt power. • Other connection specified separately. • Mounting bracket not included. <p>NOTE: Install customer supplied Tecslate interactive touchscreen monitor.</p>
15.04	1	JACK® model OA8500 Digital HDTV Antenna + Mount with SureLock™ DTV Signal Meter. No crank up, built in Amplifier and 360° rotation for improved reception.
15.05	1	<p>HDMI Matrix Switcher, Includes: Extron DXP 88 HD 4K, high performance HDMI matrix switchers for video signals at resolutions up to 4K.</p> <p>NOTE: Inputs: Up to eight (8) inputs such as mast camera or other AV inputs. Outputs: Up to eight (8) monitors.</p>
15.06		<p>HDMI extender kit(s).</p> <p>NOTE: HDMI cabling to inputs and outputs for switcher.</p>
15.07	2	<p>Extron Control Panel MKP 2000; 10-key numeric keypad</p> <p>NOTE: One (1) control panel for front area, and one (1) control panel for rear area</p>
15.08		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	<p>Tempest 2200 series CH.3718N (or current model) heavy-duty non-locking telescoping pneumatic mast.</p> <p>Mast features:</p> <ul style="list-style-type: none"> • 265 lb. max top load capacity • 26' 5" extended height • 6' 1" nested height <p>Includes:</p> <ul style="list-style-type: none"> • KEY-WAY breakaway nylon key prevents tower rotation. Easily replaceable. • Air safety valve for over pressure release and condensation drainage. • Water drainage holes to avoid freezing at low temperatures. • Interlock to prevent vehicle from being driven with mast raised. • Fireco tower does not require routine lubrication. • Mast cap covers the top of all tower sections when the tower is in the retracted position keeping dirt and moisture out of the tower when stowed.
16.02	1	<i>Thomas Ultra Air-Pac</i> 1/2-hp compressor with 2 gallon air tank.

Item	Qty	
16.03	1	Quick disconnect airline connected to mast air tank. NOTE: Located in compartment near air tank. Disconnect to be used for external air connection for mast pneumatics.
16.04	1	Custom fabricated 0.125" aluminum <i>Nycoil</i> cylinder painted to match body color.
16.05	1	Custom fabricated aluminum mast mounting plate for camera. Includes: <ul style="list-style-type: none"> • Electrical connection box • Painted to match vehicle body color. NOTE: Mounting plate will be sized for second future camera. Includes additional CAT-6 cable for future camera.
16.06	1	Mast lookup light mounted on mast.
16.07	1	Weatherproof mast up/down control switch on exterior of vehicle. NOTE: In addition to the exterior key the vehicle automation system touch screen(s) shall have an icon on the MISC screen to allow the mast to be lowered from inside the vehicle.
16.08	1	AXIS Q6155-E PTZ Dome Network Camera with Lightfinder technology. <ul style="list-style-type: none"> • HDTV 1080p and 30x optical zoom • Axis Sharpdome technology with Speed Dry • Lightfinder technology performs in low lighting conditions, extremely sensitive to low light • Built-in laser that provides instant focus in challenging lighting conditions and in complete darkness • IP66-rated and NEMA 4X protection against dust, strong water jets and impact • High Power over Ethernet, max. 74 W NOTE: Computer or laptop is needed to see the video image and control PTZ. Each camera will have its own IP address. Video image is available from any network jack in the vehicle or available online if configured.
16.09	1	SD Memory Card for mast IP camera. The SD card shall record mast camera allowing it to be downloaded and viewable via an IP address.
16.10	1	Upgrade Nycoil size to 1 ¼". NOTE: Nycoil to include one (1) CAT6 cable for camera, power wires for look-up light, (2) LMR 240 cables, and four (4) spare CAT6 cables. All cable specified in other sections.
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	7	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. • LMR240 antenna cable routed to radio transceiver location in <i>Carlson</i> Carflex ENT conduit. • 12Vdc power routed to radio transceiver location.

Item	Qty	
17.03	2	Spare antenna for mast. Installation includes: <ul style="list-style-type: none"> • NMO-style base on the roof or antenna raceway, as applicable. • LMR240 antenna cable routed to radio transceiver or termination panel location in <i>Carlton</i> Carflex ENT conduit.
17.04		Install hinged panels under countertops to conceal radio transceivers where applicable.
17.05	1	Fabricate and install 3" x 3" square aluminum tubing antenna raceway on the roof of the vehicle. Antenna raceway will penetrate the roof on each side of the truck at radio box locations and in the overhead console location. Includes: <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. • <i>Carlton</i> Carflex ENT conduit routed from antenna raceway penetration location to radio transceiver locations.
17.06	1	Radio antenna termination panel for up to twenty (20) radios. Includes: <ul style="list-style-type: none"> • TNC bulkhead jack in panel for each radio antenna on the raceway • Antenna leads from radio locations to panel routed through <i>Carlton Carflex</i> ENT conduit with 18" of extra cable at panel to allow customer to reconfigure panel as required
18.00		<u>COMPUTER NETWORK AND EQUIPMENT:</u>
18.01	37	RJ-45 Cat6 computer network jack with Cat6 cable routed through <i>Carlton Flex-Plus</i> ENT conduit or raceway (as applicable). NOTE: Cat6 cabling to include routings to exterior input box, mast, printer location, workstations, conference room table, and other locations as determined by customer.
18.02	1	<i>Leviton</i> 69270-U48 (or current model) 48-port Cat6 rack mount patch panel.
18.03	37	Certified 18" Cat6 patch cord.
18.04	1	Certified 36" Cat6 patch cord. NOTE: Cable to be used to plug printer into wall jack. Allow enough length for printer to slide out from cabinet.
18.05	1	Cable Certification Report confirming that network wiring complies with Cat6 specifications.
18.06	2	<i>Allied Telesyn</i> AT-GS950/24-10 (or current model) 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
18.07	1	<i>HP</i> Color LaserJet CM1312 (or current model) Multifunction Printer. Product features: <ul style="list-style-type: none"> • Color print; color copy; color scan; black/white fax. • Built-in 10/100 wired Ethernet network connectivity with 1 RJ-45 port, 1 Hi-Speed USB port. • Dimensions: 19.6 x 19.3 x 19.1 in - 54.5 lbs. <i>Note:</i> Fax feature is only available when a C.O. line is connected to the vehicle.
18.08	1	Make installation provisions for customer installed Satellite broadband system. Includes: <ul style="list-style-type: none"> • Roof mounted weather proof junction box with two (2) 3/4" <i>Carlton Carflex</i> ENT conduit runs terminated in equipment rack/cabinet. • Additional roof support structure as required.

Item	Qty	
18.09	1	Cradlepoint AER2100 series cellular router ordered with dual modem. Includes roof mounted antennas connected to the modems. NOTE: Model to be determined based upon cellular standard of local service provider. NOTE: Requires service plan, not included.
19.00		<u>MISCELLANEOUS ELECTRONICS:</u>
19.01	1	<i>Middle Atlantic Products, Inc.</i> MRK-4026 forty-space 19" wide x 26.5" depth (24" useable depth) open framed electronics equipment rack with caster base. Rack can easily slide out from its fixed position to allow side access to rack equipment.
19.02	1	<i>Middle Atlantic</i> VFD-40 vented front door. NOTE: Door is secured closed with a key lock.
19.03	1	<i>Middle Atlantic</i> FTA-3 1 space fan tray, with three (3) 69 cfm ventilation fans.
19.04	2	<i>Middle Atlantic</i> PD-815SC-NS 15 amp power strip with eight (8) outlets. Includes PB-XS rack mounting bracket.
19.05	1	<i>Cast Products</i> EB00013-1 (or current model) cast aluminum box with key lock. The rear of the box will be removed to allow cables to be passed into the vehicle. NOTE: Box will be used for exterior connections. Inside of box will have a pass through tube into the vehicle and four (4) RJ-45 network jacks connected to the patch panel.
19.06	1	Shroud with weatherproof pass-through hatch installed in the door of the input box.
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.
20.03	1	2" box pan door and door frame fabricated from 0.125" aluminum installed in body to allow exterior access to <i>Middle Atlantic</i> equipment rack. Includes key lock and gas spring.
21.00		<u>MISCELLANEOUS OTHER:</u>
21.01	1	<i>Dometic</i> Weather Pro Awning 12' Cadet Grey acrylic fabric (other colors available on request) electric awning with 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
21.02	1	15" wide roof access ladder mounted on rear. Ladder features: <ul style="list-style-type: none"> • All welded construction for maximum strength • 1" diameter X 0.083" brush finished tubular aluminum rails • Aluminum grip-strut rungs

Item	Qty	
21.03	1	Heavy-duty <i>Quadra Mfg.</i> Bigfoot® four point fully automatic one-touch leveling system. Includes: <ul style="list-style-type: none"> • Four (4) QEII-21 jacks with 17,000-lb. capacity each, 21" long with 15" stroke • Fully automatic control panel with manual feature • Safety interlock when jacks are deployed
21.04	1	Set of four <i>Super Dolly Pads</i> high density polypropylene, injection molded yellow colored for use with leveling system jacks. Pads measure 15" x 17" x 1" thick with a grab strap on one side.
21.05	2	5 pound dry chemical fire extinguisher.
21.06	2	Battery powered combination Carbon Monoxide and Smoke alarm.
21.07	1	Complete manual set. All manuals from the vehicle build will be gathered and organized in a plastic file tote. A CD disk of the manuals will also be provided. Manuals include 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. • Warranty and Return Authorization procedures. • 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.
21.08		LDV warranty, covering 1 year or 12,000 miles for manufacturer's defects in materials and workmanship. Refer to LDV warranty statement for details of warranty coverage. LDV provides 24/7 customer service support via phone and email for the lifetime of the truck.
21.09		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: <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>