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[www.ldvusa.com](http://www.ldvusa.com)

**PRELIMINARY  
SPECIFICATIONS FOR:**

**INDEPENDENCE PD (MO)  
MOBILE COMMAND CENTER**

**LDV PROPOSAL # C40MCC-35845-23**

DATE  
**JANUARY 16, 2024 Rev1**  
~~JANUARY 4, 2024~~



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**TABLE OF CONTENTS**

PRICING PAGE: (HGAC contract AM10-23) .....3  
 CHASSIS: .....4  
 BODY:.....7  
 PAINT / GRAPHICS: .....9  
 DRIVER / PASSENGER CAB AREA: .....9  
 WALLS, CEILING AND FLOOR: .....9  
 GALLEY / LAVATORY: ..... 10  
 SEATING: ..... 10  
 CABINETS: ..... 11  
 HVAC SYSTEM: ..... 12  
 AC ELECTRICAL SYSTEM: ..... 12  
 DC ELECTRICAL SYSTEM: ..... 15  
 EMERGENCY LIGHTING / SIRENS: ..... 16  
 AUDIO / VIDEO: ..... 17  
 MAST AND MAST MOUNTED EQUIPMENT: ..... 19  
 RADIOS: ..... 20  
 COMPUTER NETWORK AND EQUIPMENT: ..... 21  
 MISCELLANEOUS ELECTRONICS: ..... 22  
 EXTERIOR STORAGE COMPARTMENTS: ..... 23  
 MISCELLANEOUS OTHER: ..... 23



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**PRICING PAGE: (HGAC contract AM10-23)**

Total price per unit as specified, FOB Origin	\$1,096,233.00
Discount amount	-\$40,561.00
HGAC discounted price for 1 unit as specified	\$1,055,672.00

Contract Administration Fee - HGAC	\$2,000.00
HGAC discounted price for 1 unit as specified with Contract Admin Fees	\$1,057,672.00
Delivery charge to City of Independence, MO	\$2,303.00

<b>Total price per unit</b>	<b>\$1,059,975.00</b>
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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.



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Item	Qty	
1.00		<p><b><u>CHASSIS/BODY DIMENSIONS:</u></b></p> <ul style="list-style-type: none"> <li>• 29.5' dry van wide body</li> <li>• Cab-to-Axle 230"</li> <li>• Wheelbase of chassis: 296"</li> <li>• Overall length of apparatus: 489"</li> <li>• Overall apparatus width, rub rail to rub rail: 102"</li> <li>• Overall height of apparatus (loaded): 154"</li> <li>• Interior walkway height raw body: 83"</li> <li>• Interior walkway height finished: 81.5"</li> <li>• Interior walkway length: 355"</li> <li>• Interior raw body width: 99"</li> <li>• Interior finished body width: 93"</li> </ul> <p>Final measurements are dependent on body builder, chassis components, axles, tires, frame, suspension, and roof-mounted equipment.</p>
2.00		<p><b><u>CHASSIS:</u></b></p>
2.01	1	<p>2025 Freightliner M2 106 Conventional chassis single rear axle truck chassis. 39,000-lb. GVWR with rear air ride suspension and air brakes.</p> <p><b><u>Engine:</u></b></p> <ul style="list-style-type: none"> <li>• Cummins L9 350EV HP @ 2000 RPM, 2200 GOV, 1000 LB/FT @ 1400 RPM</li> </ul> <p><b><u>Engine Equipment:</u></b></p> <ul style="list-style-type: none"> <li>• 12V 275 AMP 40-SI brushless pad alternator with remote battery voltage sense</li> <li>• (2) DTNA Genuine, flooded starting, Min 2000CCA, 370RC, Threaded stud batteries</li> <li>• Cummins exhaust brake integral with variable geometry turbo with on/off dash switch</li> <li>• RH standard horizontal tailpipe</li> <li>• Antifreeze to -34F, OAT (nitrite and silicate free) extended life coolant</li> <li>• Gates Blue Stripe coolant hoses or equivalent</li> <li>• 1000 Watt/115 Volt block heater</li> </ul> <p><b><u>Transmission:</u></b></p> <ul style="list-style-type: none"> <li>• Allison 3000 EVS automatic transmission</li> <li>• Magnetic plugs, engine drain, transmission drain, axle(s) fill and drain</li> <li>• Push button electronic shift control, dash mounted</li> <li>• Water to oil transmission cooler, in radiator end tank</li> <li>• Synthetic transmission fluid (TES-295 compliant)</li> </ul> <p><b><u>Front Axle and Equipment</u></b></p> <ul style="list-style-type: none"> <li>• 16,000# drop single front axle</li> <li>• Meritor 16.5x6 Q+ Cast spider cam front brakes, double anchor, fabricated shoes</li> <li>• Fire and emergency severe service, non-asbestos front lining</li> <li>• Cast iron front brake drums</li> <li>• Front oil seals</li> <li>• Vented front hub caps with window, center and side plugs</li> <li>• Meritor automatic front slack adjusters</li> <li>• TRW TAS-85 Power steering</li> <li>• Synthetic 75W-90 front axle lube</li> </ul>



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Item Qty

Item	Qty	
		<p><b><u>Rear Axle and Equipment</u></b></p> <ul style="list-style-type: none"> <li>• 23,000# R-series single rear axle</li> <li>• 5.13 rear axle ratio</li> <li>• Meritor 16.5X7 Q+ cast spider cam rear brakes, double anchor, fabricated shoes</li> <li>• Fire and emergency severe service non-asbestos rear brake lining</li> <li>• Rear oil seals</li> <li>• Meritor automatic rear slack adjusters</li> <li>• Synthetic 75W-90 rear axle lube</li> </ul> <p><b><u>Rear Suspension</u></b></p> <ul style="list-style-type: none"> <li>• Airliner 23,000# rear suspension with chain clearance</li> <li>• Airliner high position ride height</li> <li>• Manual dump valve for air suspension without gauge</li> <li>• Dual air rear suspension leveling valves</li> <li>• Rear shock absorbers - one axle (air ride suspension)</li> </ul> <p><b><u>Brake System</u></b></p> <ul style="list-style-type: none"> <li>• Air brake package</li> <li>• 4S/4M ABS without traction control</li> <li>• BW AD-9SI brake line air dryer with heater</li> </ul> <p><b><u>Frame</u></b></p> <ul style="list-style-type: none"> <li>• 11/32X3-1/2X10-15/16 Inch steel frame (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI</li> </ul> <p><b><u>Chassis Equipment</u></b></p> <ul style="list-style-type: none"> <li>• Three-piece 14 inch chromed steel bumper with collapsible ends</li> <li>• Front tow hooks - frame mounted</li> </ul> <p><b><u>Fuel Tanks</u></b></p> <ul style="list-style-type: none"> <li>• 50 Gallon/189 liter rectangular aluminum fuel tank - RH</li> <li>• 50 Gallon/189 liter short rectangular aluminum fuel tank - LH</li> <li>• Polishing of fuel/hydraulic tank(s) with painted bands</li> <li>• Plain step finish</li> <li>• Detroit fuel /water separator with water in fuel sensor and 12 volt preheater</li> <li>• High temperature reinforced nylon fuel line</li> </ul> <p><b><u>Tires</u></b></p> <ul style="list-style-type: none"> <li>• Michelin XZA2 energy 315/80r22.5 20 ply radial front tires</li> <li>• Michelin XDE M/S 11R22.5 14 ply radial rear tires</li> </ul> <p><b><u>Wheels</u></b></p> <ul style="list-style-type: none"> <li>• ALCOA Ultra One 89U64X 22.5X9.00 10-hub pilot 5.99 inset aluminum front wheels</li> <li>• ALCOA LVL One 88367X 22.5X8.25 10-hub pilot aluminum disc rear wheels</li> <li>• Polished both sides front wheels</li> <li>• Polished rear wheels; outside only (dished side)</li> </ul> <p><b><u>Cab Exterior</u></b></p> <ul style="list-style-type: none"> <li>• 106 Inch BBC flat roof aluminum conventional cab</li> <li>• Leaf spring rear cab suspension</li> <li>• LH and RH grab handles</li> <li>• Hood mounted chromed plastic grille</li> <li>• Dual electric horns</li> </ul>



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		<ul style="list-style-type: none"> <li>• Door locks and ignition switch keyed the same</li> <li>• Integral headlight/marker assembly with chrome bezel</li> <li>• LED aerodynamic marker lights</li> <li>• Daytime running lights</li> <li>• Dual West Coast bright finish heated door mounted mirrors with LH and RH remote</li> <li>• LH and RH 8 Inch bright finish convex mirrors mounted under primary mirrors</li> <li>• RH down view mirror</li> <li>• No rear window</li> <li>• Tinted door glass LH and RH with tinted operating wing windows</li> <li>• RH and LH electric powered windows</li> <li>• Tinted windshield</li> <li><b><u>Cab Interior</u></b></li> <li>• Opal gray vinyl interior</li> <li>• Dash mounted ash trays and lighter</li> <li>• Forward roof mounted console with upper storage compartments and additional center compartment without netting</li> <li>• In dash storage bin</li> <li>• (2) cup holders LH and RH dash</li> <li>• Heater, defroster and air conditioner</li> <li>• Heavy duty air conditioner compressor</li> <li>• Dome door activated LH and RH, dual reading lights, forward cab roof</li> <li>• LH and RH electric door locks</li> <li>• (1) 12 volt power supply in dash</li> <li>• Basic high back air suspension driver &amp; passenger seats with mechanical lumbar and integrated cushion extension</li> <li>• Dual driver and passenger seat armrests</li> <li>• High visibility orange seat belts</li> <li>• Adjustable tilt and telescoping steering column</li> <li><b><u>Instruments &amp; Controls</u></b></li> <li>• Woodgrain driver instrument panel</li> <li>• Low air pressure indicator light and audible alarm</li> <li>• 87 dB to 112 dB automatic self-adjusting backup alarm</li> <li>• Electronic cruise control with switches in LH switch panel</li> <li>• ICU3S, 132X48 display with diagnostics, 28 LED warning lamps and data linked</li> <li>• Programmable RPM control - electronic engine</li> <li>• Engine and trip hour meters integral within driver display</li> <li>• Electric engine oil pressure gauge</li> <li>• AM/FM/WB radio with Bluetooth and microphone, USB and auxiliary inputs</li> <li>• Electronic 3000 RPM tachometer</li> <li>• Digital voltage display integral with driver display</li> <li>• Single electric windshield wiper motor with delay</li> <li>• Marker light switch integral with headlight switch</li> <li>• One valve parking brake system with warning indicator</li> </ul>



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		Note: Chassis specifications are from Freightliner Custom Chassis and are subject to change without notice.
2.02	1	Chassis starter interlock system. <ul style="list-style-type: none"> <li>Chassis starter is disabled when any of the connected systems is not ready for vehicle travel.</li> <li>Dash mounted indicator light(s) show which device is engaging the interlock.</li> <li>Override button allows for moving the vehicle in an emergency situation.</li> </ul>
2.03	1	Block heater shall be wired to AC electrical distribution.
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		<b><u>BODY:</u></b>
3.01	1	<ul style="list-style-type: none"> <li>Load space area shall be 83" high x 99" wide x 29.5' long custom all aluminum dry van body with the following: <ul style="list-style-type: none"> <li>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.</li> <li>I-beams 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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>Full width 3" deep aluminum rear bumper painted to match the body.</li> <li>Full length skirting below floor.</li> <li>All clearance and side marker lights to be LED.</li> <li>Standard structural warranty of 5 years or 50,000 miles and standard component warranty of 12 months or 12,000 miles.</li> <li>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.</li> </ul> </li> </ul> <p>Note: Specifications are from body manufacturer and are subject to change without notice.</p>
3.02	1	32" wide aluminum sedan door with 21.5" wide x 25.5" high fixed window installed above floor. Door shall have continuous stainless-steel piano hinge, two (2) nylon door straps and an aluminum drip rail.



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		<b>NOTE:</b> Interior window covering will be a Day/Night Shade.
3.03	1	Exterior heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed at entry door.
3.04	1	Interior heavy-duty fluted aluminum grab handle with rubber inserts and chrome plated stanchions installed at entry door.
3.05	1	Wire one of the overhead lights to function as a courtesy light when the entry door is opened.
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	Pull out aluminum stairs encased in a narrow profile cassette installed below floor line, eliminating the need for an interior stepwell. Includes exterior fold out handrail.
3.08	1	TriMark keyless entry with remote radio frequency (RF) transmitter fob, externally mounted keypad and lock actuator. <b>NOTE:</b> Side patron door only
3.09	1	Whelen Stop/Turn/Tail/Backup light set. Includes two of each of the following: <ul style="list-style-type: none"> <li>• Whelen M6FCV4 polished chrome vertical housings for four M6 series lighthead. The fourth light head will be an emergency flasher as specified in the DC Emergency Lighting section.</li> <li>• Whelen M6 series LED arrow shaped amber turn signal, model number M62T.</li> <li>• Whelen M6 series LED brake/tail light heads, model number M62BTT.</li> <li>• Whelen M6 series LED back-up light heads, model number M62BU.</li> </ul>
3.10	1	Cast Products LP0004-1-B aluminum license plate mounting frame with LED light.
3.11	1	Entire underside shall be undercoated. Includes floor extrusions, step wells and aluminum compartments.
3.12	1	LDV rear mud flaps. Includes anti-sail brackets when required.
3.13	2	Flat floor slide-out room extension 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. Features: <ul style="list-style-type: none"> <li>• Electric over hydraulic control system programmed to lower the slide out to floor height after full extension.</li> <li>• Awning that automatically extends and retracts over the top of the room to protect from weather and debris.</li> <li>• Full perimeter double rubber bulb seal with an additional seal in the fully extended and fully retracted positions.</li> <li>• No track or hardware shall be attached to the ceiling of the body.</li> </ul> <b>NOTE:</b> Slide out up to 132" length x 30" deep (full extension of 26").
3.14		Ignition Interlock to prevent vehicle from starting when any of the external extension devices are deployed.
3.15	4	Flashing warning light for slide out. <b>NOTE:</b>





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		Amber LED color.
4.00		<b><u>PAINT / GRAPHICS:</u></b>
4.01		Body paint base color shall be single color nonmetallic single stage paint from the roof line down. <b>NOTE:</b> Black
4.02	1	4-inch wide reflective stripe on the exterior back and sides of the vehicle.
4.03	1	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.
4.04	3	Custom computer-generated non-reflective vinyl shield. Customer shall supply true vector artwork required to produce shield.
5.00		<b><u>PATRIOT ONYX INTERIOR:</u></b> <ul style="list-style-type: none"> <li>• Wall Covering: Chrome fabric - #66 Silver Smooth FRP(Galley)</li> <li>• Ceiling Fabric: Silver Mist</li> <li>• Floor Covering: #150 Onyx PVC Flooring</li> <li>• Office Chairs: Black</li> <li>• Vinyl Coverings: #WH1-2140 Whisper Black</li> <li>• Cabinets: Textured Charcoal Gray HATZ (similar to SS40), only anodized hardware</li> <li>• Counters and Tables: Midnight Melange solid surface countertops</li> </ul> Note: Manufacturer reserves the right to substitute equivalent materials.
6.00		<b><u>DRIVER / PASSENGER CAB AREA:</u></b>
6.01	1	Custom fabricated console in cab, for locating siren controller, police radio and/or other controls as specified elsewhere in this document.
6.02		Cab Area Additions: <ul style="list-style-type: none"> <li>• Vehicle height sign on dash.</li> <li>• 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</li> <li>• Payload sticker in cab area with vehicle axle load ratings and available axle payload as built.</li> </ul>
6.03	1	Three (3) camera rear view system with 7" LCD color monitor. System includes left, right, and rear vision day/night cameras.
7.00		<b><u>WALLS, CEILING AND FLOOR:</u></b>
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 smooth finish Kemlite 0.075" fiberglass reinforced plastic (FRP) lining. Wall covering shall be a continuous piece front to back, no seams acceptable. <b>NOTE:</b> Galley
7.03		Cover sub wall with ribbed loop pile carpet. <b>NOTE:</b> Front and rear room
7.04		Insulate ceiling with a minimum of 2-1/2" of fiberglass. <ul style="list-style-type: none"> <li>• Cover interior roof beams with 1/2" plywood.</li> </ul>



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Item	Qty	
		<ul style="list-style-type: none"> <li>• Modular panel design allows for manageable future additions and repairs.</li> <li>• Plywood Panels covered in acoustical fabric.</li> </ul>
7.05		Floor underlayment to be 5/8" exterior grade tongue and groove structural plywood, 6 ply, face veneer plugged and sanded.
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	2	Flush pocket door covered to match wall material, 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.
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		All bulkheads shall be covered with materials to match walls. Trim exposed edges of bulkheads with rounded anodized aluminum trim where applicable.
7.11	1	Cover load space door with powder coated aluminum panel with heavy-duty rubber grab handle. <b>NOTE:</b> Interior window covering will be a Day/Night shade.
7.12	1	Hehr street side mounted 30" wide x 19" high flush mount deep-tint horizontal sliding egress window with screen. <b>NOTE:</b> Interior window covering will be a Day/Night shade.
7.13	2	Upgrade window covering to Day/Night pleated shade. <b>NOTE:</b> Curbside load space entrance door Streetside window in slide-out.
8.00		<b><u>GALLEY / LAVATORY:</u></b>
8.01	1	Microwave oven, minimum 1.0 cu. ft..1000-watt. <b>NOTE:</b> Current model is Panasonic NN-SU656B 1.3 Cu. Ft. Black Countertop Microwave Oven
8.02	1	Keurig Coffee maker. <b>NOTE:</b> K475
8.03	1	Norcold model DE105 12Vdc/120Vac combination refrigerator/freezer. Features: <ul style="list-style-type: none"> <li>• 3.3-cu.ft. capacity</li> <li>• Two white powder-coated wire shelves with raised lip</li> <li>• Dual clear door bins</li> <li>• LED interior light</li> </ul>
9.00		<b><u>SEATING:</u></b>
9.01	12	Space Air Grid office chair 5560 black with armrests, five caster spider base, and adjustable height.
9.02	12	Securement strap with buckle installed under counter to secure office chair.



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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		<b><u>BENCH SEAT REQUIREMENTS:</u></b> <ul style="list-style-type: none"> <li>• Foam for seat backs and bottoms shall be firm density.</li> <li>• All bench seating material must meet Federal Motor Vehicle Safety Standards part 571.302 Flammability of Interior Materials.</li> <li>• Material corners shall be squared or angled to fit precise cut of foam.</li> <li>• Foam shall be bonded to plywood backer with industrial grade adhesive.</li> <li>• Attachment of fabric/vinyl to backer shall utilize industrial grade upholstery staples.</li> </ul>
10.00		<b><u>CABINETS:</u></b>
10.01		Custom fabricated aluminum cabinets located as shown on drawing. Cabinet specifications: <ul style="list-style-type: none"> <li>• Base cabinets constructed of 0.080" powder coated aluminum with anodized aluminum frames.</li> <li>• Base cabinet doors are double shell, formed from a single sheet of 0.080" aluminum, with a 0.040" aluminum door back attached.</li> <li>• Overhead cabinets constructed of 0.064" powder coated aluminum with anodized aluminum frames.</li> <li>• Overhead cabinet doors are double shell, formed from a single sheet of 0.064" aluminum, with a 0.040" aluminum door back attached.</li> <li>• Overhead cabinet doors swing up with gas spring lift supports.</li> </ul>
10.02		Radius edging incorporated as design permits.
10.03	5	Dry erase writing surface on overhead cabinet door.
10.04	4	LED light with on/off switch, mounted under overhead cabinet.
10.05	1	Adjustable aluminum shelf with 1" lip. <b>NOTE:</b> Base Cabinet in Streetside slide-out
10.06	5	Magnetic dry erase board framed in aluminum. Includes aluminum clip frame for easy board replacement, sized as required. <b>NOTE:</b> One (1) streetside slide-out One (1) streetside rear work area One (1) side access to electronics rack One (1) curbside workstation #6 One (1) Rear wall
10.07	7	FRP shelf up to 36" wide with 2" lip at front edge. <b>NOTE:</b> Rear Storage closets
10.08		Closet shelves shall be infinitely adjustable using mini B-line track and hardware.
10.09		Wilsonart Gibraltar 1/2" solid surface countertop over subsurface. Solid surface countertop shall have a 1-1/2" front lip with radius edge.
10.10		Wilsonart Gibraltar 1/2" solid surface conference tabletop over subsurface. Solid surface tabletop shall have a 1-1/2" front lip with radius edge.



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10.11	1	Powder coated 0.125" aluminum conference table base.
10.12	1	Powder coated 0.125" aluminum table leg.
10.13	2	Pencil drawer under countertop.
10.14	6	Computer cable pass-thru grommet in counter.
10.15	1	Install a key display board inside overhead cabinet and clearly tag all keys for the vehicle as to their purpose.
10.16		Custom fabricated console to house electrical distribution components and control panels.
11.00		<b><u>HVAC SYSTEM:</u></b>
11.01	1	Fan-tastic Vent model 1450 3-speed reversible 12" power roof ventilator.
11.02	3	Ducted low profile rooftop air conditioner with wall mounted thermostat. Includes: <ul style="list-style-type: none"> <li>• 13,500 nominal Btu/hr air conditioner with condensate pump.</li> <li>• Chill Grille Assembly with 6,000 Btu/hr heat strip</li> <li>• Louvered Ceiling Vents, as required</li> </ul>
11.03	1	Broan model 112 kick space mount 5,120 Btu/hr electric heater. Located as shown on drawing.
11.04	2	5,100-12,000 Btu/hr direct discharge, 12Vdc powered, diesel-fired furnace with individual thermostat control. Exhaust shall be routed to the street side.
12.00		<b><u>AC ELECTRICAL SYSTEM:</u></b>
12.01	1	Power Tech 25-kW 120/240Vac liquid-cooled diesel generator with air bag mounts installed in a custom fabricated compartment. Generator features: <ul style="list-style-type: none"> <li>• Tier 4F Emissions</li> <li>• USTC Certified Manufacturer</li> <li>• Warranty: 2 years from date of purchase, or 3000 hours whichever comes first, or 36 months from the date of manufacture.</li> <li>• Four point air bag mounting system</li> <li>• Four-cycle water cooled diesel engine</li> <li>• Radiator cooled, direct mounted</li> <li>• High-coolant temp and low oil pressure shutdown sensors</li> <li>• Spin-on fuel and oil filter</li> <li>• Single side service</li> <li>• Typical Gallon Per Hour fuel consumption: 25% load = 0.51, 50% load = 1.01, 100% load = 2.03</li> </ul> <p>Compartment shall be constructed to the following specifications:</p> <ul style="list-style-type: none"> <li>• 0.187" aluminum with all welded seams.</li> <li>• 2" deep 0.125" aluminum box pan doors and 0.125" aluminum frames.</li> <li>• Door frames riveted to the body and welded to the compartments.</li> <li>• Stainless steel door hinges attached with stainless steel machine screws.</li> <li>• Flush mounted door handles with slam latches.</li> <li>• 0.100" aluminum treadplate panels on interior door surfaces.</li> <li>• Gas charged lift/support cylinders to hold doors open at 90°.</li> <li>• Industrial grade neoprene gasket door seals.</li> </ul> <p><b>NOTE:</b></p>



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Item	Qty	
		Generator exhaust shall be routed to the street side of the vehicle.
12.02	1	<p>ACData surge suppressor for protection of entire AC power system.</p> <p>Product features:</p> <ul style="list-style-type: none"> <li>• UL listed: UL1449 3rd Edition</li> <li>• LED visual verification of status</li> </ul>
12.03	1	<p>LDV exclusive Intel-I-Touch™ vehicle automation control system.</p> <p>A multiplexed vehicle automation system must be incorporated into a common touch screen(s) that is custom programmed to monitor and control onboard systems as described throughout the specifications. The automation system software must allow simultaneous distribution of information to multiple onboard control/monitoring stations and the software must be updateable and configurable as required. This system is mandatory as it simplifies start up procedures, contains fewer operating components, reduces operational start-up time, reduces the total amount of wiring in the vehicle and includes error detection protocols and troubleshooting features.</p> <p>Features include:</p> <ul style="list-style-type: none"> <li>• One (1) 10" LCD touch screen with custom graphics for control and monitoring systems</li> <li>• AC power distribution control and monitoring for the generator with power management</li> <li>• DC power distribution control and monitoring</li> <li>• Manual or automatic generator control</li> <li>• HVAC and temperature control.</li> <li>• Interior and exterior lighting control</li> <li>• Automatic power transfer switches</li> <li>• Automated startup and shutdown procedures</li> <li>• Seamless control of generators, lighting, awnings and additional devices</li> <li>• Mast control</li> <li>• Safety interlocks</li> <li>• Battery saver feature</li> <li>• Generator Service Alerts</li> </ul> <p>The system must be completely upgradeable with power modules located throughout vehicle. Additional components may be added to system with a simple software modification System capability is not to be achieved with use of multiple monitoring systems designed for specific use i.e. water monitors, battery monitors etc.</p>
12.04	2	3" Touch panel for dedicated local control and monitoring of specific vehicle automation system features. Includes control layout and indicators where applicable.
12.05	2	3" Touch panel with numeric display for dedicated local control and monitoring of specific vehicle automation system features including room HVAC. Display shows current room temperature and HVAC setpoint when adjusted. Includes control layout and indicators where applicable.
12.06		<b>Storage Mode</b> maintains the vehicle in a ready-to-deploy condition. Battery chargers, specified outlets, and other pre-determined equipment is powered. HVAC is maintained at a storage mode setting to prevent freezing in the winter or overheating in the summer. The



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Item	Qty	
		generator can be set to automatically start in the event of a loss of shore power. Other items as necessary can be made available in Storage Mode.
12.07		<b>Night Time (Red) Lighting Mode</b> turns the ceiling lighting in each room from white to red lights.
12.08		<b>Reduced Lighting Mode</b> is white ceiling lighting in each room have the option of All-On or Half-On.
12.09		<b>Leveling Control</b> Intel-I-Touch Auto Leveling feature. Includes touchscreen indication of vehicle level and control of leveling jacks automatically, individually or in pairs. Jacks are automatically retracted as part of the Auto Shutdown process.
12.10	1	Kussmaul Auto Eject 20, 20A-120Vac shore power inlet with 25-ft. 20A-120Vac shore power cord. #091-20WP-120RD.
12.11	1	Marinco 100A-125/250Vac waterproof shore power inlet, 25-ft. 100A-125/250Vac shore power cord and 6-ft. 100A-125/250Vac pigtail.
12.12	12	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. <b>NOTE:</b> Two (2) Conference table base Two (2) streetside rear workstation Two (2) curbside slide-out Two (2) curbside rear workstations One (1) exterior workstation connected to GFCI outlet Two (2) Rear storage closet One (1) Above base cabinet streetside slide-out
12.13	2	20A-125Vac GFCI duplex receptacle. These receptacles are not dedicated to any installed equipment. <b>NOTE:</b> One (1) exterior workstation One (1) Galley
12.14	2	20A-125Vac exterior GFCI duplex receptacle. <b>NOTE:</b> Receptacle will be installed with a weatherproof cover.
12.15		Wire chase wire management raceway system located as shown on drawing. Product features: <ul style="list-style-type: none"> <li>• Satin anodized finish. The finish resists rust, corrosion and fading. Material extruded from 6063-T5 aluminum alloy.</li> <li>• Removable dual cover. Makes wiring easy and accessible and provides maximum flexibility for adding or relocating outlets and circuits. The cover retention is 45 lbs. straight pull for one minute.</li> <li>• UL Listed multioutlet assemblies. File E68073 Guide PVGT, Fittings: File E121188 Guide RJPR. Meets Article 380 of NEC and meets Section 12-3032 of CEC.</li> <li>• UL and cUL Listed component raceways. File E73943 Guide RJBT, Fittings: File E74343 Guide RJPR. Meets Article 386 of NEC and meets Section 12-600 of CEC.</li> </ul>



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Item	Qty	
		<ul style="list-style-type: none"> <li>• UL5 and ADA compliant. Raceway and fittings meet UL5 specifications and can be installed in conformance with ADA requirements</li> </ul>
12.16	1	<p>APC Smart-UPS 3,000VA rack mount UPS, SRT3000RMXLA (or current model). Product features:</p> <ul style="list-style-type: none"> <li>• 3,000VA/2,700W output capacity</li> <li>• 120V output voltage</li> <li>• (8) NEMA 5-20R and (1) NEMA L5-30R output receptacles</li> <li>• Typical Backup Time at Half Load 19.2 minutes (1125 Watts)</li> <li>• Typical Backup Time at Full Load 5.7 minutes (2250 Watts)</li> <li>• Dimensions: 3.35"H x 17"W x 25"D</li> </ul>
12.17	2	<p>Whelen telescoping tripod LED light pole.</p> <p>Includes:</p> <ul style="list-style-type: none"> <li>• Pioneer PFP2AC (or current model) light fixture. LED, 120 VAC, 1.25 amps, Dual panel</li> <li>• Aluminum tripod with brite dip anodized finish.</li> <li>• Light fixture shall have a locking swivel joint with a 3/4" diameter NPT threaded base to allow the light to be manually tilted up/down and locked in position by the operator.</li> <li>• Integrated power switch.</li> <li>• NEMA 5-15 Plug on end of cord to plug light into any exterior outlet</li> </ul>
12.18	2	10/3 Extra Heavy-Duty 20-Amp 50ft Extension Cord with standard plug.
12.19		<p><b><u>AC WIRING REQUIREMENTS:</u></b></p> <ul style="list-style-type: none"> <li>• All AC main wiring shall be stranded THHN wire and run in non-metallic liquid tight conduit.</li> <li>• All AC branch circuit wiring shall be stranded THHN wire (AWG 12 minimum) and run in non-metallic liquid tight and ENT conduit.</li> <li>• All electrical circuits and appliances shall conform to applicable national electrical codes.</li> </ul>
13.00		<b><u>DC ELECTRICAL SYSTEM:</u></b>
13.01	1	<ul style="list-style-type: none"> <li>• Six (6) Lead acid deep-cycle 6Vdc batteries. Batteries shall be installed underbody in slide out weather resistant compartment. Four (4) batteries will be separated for auxiliary equipment and two (2) batteries will be for communications equipment.</li> <li>• Three (3) electronic converter/chargers, 80 amp minimum output each installed underbody in weather resistant climate controlled. Compartment to draw ambient air from interior of truck and will have thermostatically controlled exhaust fan to circulate warm air to exterior (no exceptions). Converter/charger features: <ul style="list-style-type: none"> <li>• Charges three banks of batteries at the same time.</li> <li>• UL listed for safety.</li> <li>• Manual reset circuit breaker.</li> <li>• Reverse battery protection.</li> <li>• Electronic current limiting.</li> <li>• High voltage protection.</li> </ul> </li> <li>• All DC electrical and metering switched and monitored through the multiplex system.</li> </ul>
13.02	19	Light, Orion 6" LED, neutral white with polished bezel and voltage regulation.
13.03	5	Light, Orion 6" LED, neutral white / red with polished bezel and voltage regulation.
13.04	6	Whelen M9LZC Gradient LED Scene Light with chrome flange.
13.05	6	Whelen PEL2C LED light with chrome housing.



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Item	Qty	
13.06	2	Decora style quad USB charging port. <b>NOTE:</b> One (1) exterior workstation One (1) Galley
13.07		<b><u>12VDC WIRING REQUIREMENTS:</u></b> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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).</li> <li>• Circuit breaker functions shall be identified by engraved or printed labels.</li> <li>• All added wiring for load runs of AWG 10, 12, 14, and 18, shall conform to MIL-W-16878/2 and/or UL1007/1569"</li> <li>• All added wiring for load runs of AWG 8, shall conform to MIL-W-16878/3 and/or UL1028</li> <li>• 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.</li> <li>• All wiring shall be numbered or lettered on 6" centers minimum.</li> <li>• Wiring shall be protected from chafing and abrasion with convoluted polyethylene tubing (wire loom) as required.</li> <li>• Where wire passes through sheet metal, bulkheads and structural supports, plastic grommets shall be used to protect both wiring and wire looms.</li> <li>• All wire bundles shall be tied with trimmed nylon ties.</li> <li>• Extreme care shall be exercised to provide for easy serviceability of the system in future years.</li> <li>• 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.</li> <li>• A high-current 12Vdc system wiring schematic shall be provided.</li> <li>• These are the minimum acceptable 12Vdc wiring requirements.</li> </ul>
14.00		<b><u>EMERGENCY LIGHTING / SIRENS:</u></b>
14.01	1	Whelen 295SLSA6 siren with 9 low current lighting control switches. California Title 13 compliant. <b>NOTE:</b> Slide Bar Positions Control: 1. Rear (Upper and Lower) 2. Rear (Upper and Lower), All Upper, Front Wall or "Light bar" 3. All
14.02	1	Whelen SA315P high performance speaker.
14.03	2	Whelen TLIR ION-T- Series™ Linear Super-LED® Red with clear outer lens & TIONFC chrome flange.





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Item	Qty	
14.04	2	Whelen TLIB ION-T- Series™ Linear Super-LED® Blue with clear outer lens & TIONFC chrome flange.
14.05	4	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	4	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	Whelen M7 series Linear Super-LED lighthouse with internal flasher, RED LED's with clear outer lens. model M7RC Includes chrome flange M7FC.
14.08	1	Whelen M7 series Linear Super-LED lighthouse with internal flasher, BLUE LED's with clear outer lens. model M7BC Includes chrome flange M7FC.
14.09	5	Whelen M9 series, M9RC, Linear Super-LED lighthouse with internal flasher, RED LED's with CLEAR outer lens. Includes chrome flange.
14.10	5	Whelen M9 series, M9BC, Linear Super-LED lighthouse with internal flasher, BLUE LED's with CLEAR outer lens. Includes chrome flange.
15.00		<b><u>AUDIO / VIDEO:</u></b>
15.01	12	Dell 24" Monitor, S2422HZ (or current model) <ul style="list-style-type: none"> <li>• Full HD (1080p)</li> <li>• HDMI, Display port</li> <li>• Built-in speakers</li> </ul>
15.02	2	Samsung 32" QLED TV QN32Q60CAFXZA with wall mount bracket. Product features: <ul style="list-style-type: none"> <li>• Resolution 4K</li> <li>• (3) HDMI, (2) USB</li> <li>• (2) Speakers</li> <li>• DTV Tuner/ATSC / Clear QAM</li> <li>• Dimensions: 28.5"(W) x 16.8"(H) x 1.2"(D) Weight 11.7lbs</li> </ul>
15.03	3	Samsung - 43" QLED TV QN43Q60CAFXZA with wall mount bracket. Product features: <ul style="list-style-type: none"> <li>• Resolution 4K</li> <li>• (3) HDMI, (2) USB</li> <li>• (2) Speakers</li> <li>• DTV Tuner/ATSC / Clear QAM</li> <li>• Dimensions: 38"(W) x 22"(H) x 1"(D) Weight 18.5lbs</li> </ul>
15.04	1	Weatherproof single door exterior work station and TV/monitor compartment. Constructed from 0.125" aluminum with all welded seams and hinged at the top. Includes: <ul style="list-style-type: none"> <li>• Internal flip down work surface</li> <li>• LED strip light (illuminates when door is opened)</li> <li>• Gas charged lift support and locking latch</li> </ul> <b>NOTE:</b> 43" TV/monitor One (1) GFI outlet One (1) duplex outlet w/dual usb HDMI input 4-port usb input wall plate



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Item	Qty	
		Intel-A-Touch (TPS) One (1) radio Extron touch pad Two (2) Cat6 network jacks(one for customer provided phone)
15.05	1	Winegard Trav'ler Pro DIRECTV HD SK2SWM3 Automatic Multi-Satellite TV Antenna. DIRECTV Satellites: 99°, 101°, 103° Note: Service contract, activation and set up not included.
15.06	2	DirecTV H44 HD Commercial Satellite Receiver.
15.07	2	IR Extenders to remotely control a rack mounted DirecTV receiver in another room or location.
15.08	2	Middle Atlantic rack mount kit (custom fitted for DSS receivers, DVD players and other devices).
15.09	1	Axis Communications four camera perimeter surveillance system with T8705 video decoder One (1) F9114 Box connect up to 4 camera sensors: <ul style="list-style-type: none"> <li>• Full HD 1080p Video</li> <li>• Up to 4 Axis Sensor Units Supported</li> <li>• H.264 Compression</li> </ul> Four (4) F2105-RE camera sensor lens: <ul style="list-style-type: none"> <li>• 1080p resolution 1920 x 1080</li> <li>• Lens F2.0, 3.1mm with 108° horizontal field of view and 58° vertical field of view</li> <li>• Low light performance</li> <li>• Color</li> <li>• Fixed iris</li> <li>• Fixed focal</li> </ul> Cameras mounted on exterior.
15.10	1	Additional perimeter camera <ul style="list-style-type: none"> <li>• Single channel main unit F9111</li> <li>• Sensor F2105-RE 108 Degree view</li> </ul>
15.11	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.
15.12	1	Extron DXP 1616HD 4K PLUS 16X16 HDMI Matrix Switcher. 60-1497-01 <b>NOTE:</b> Inputs will be (Qty. 14): <ul style="list-style-type: none"> <li>• (2) Axis camera decoder</li> <li>• Perimeter camera decoder</li> <li>• Customer supplied Apple TV</li> <li>• DS - 301 Scaler for customer HNT</li> <li>• (2) Direct TV Receiver</li> <li>• HDMI Input jack in the exterior TV compartment</li> <li>• HDMI Input Jack in the conference table</li> <li>• Five (5) CPUs</li> </ul> Outputs will be (QTY. 13): <ul style="list-style-type: none"> <li>• (8) 24" Monitors(CAD monitors are not to be outputs to matrix switcher)</li> <li>• (2) 32" Samsung TV/Monitors</li> <li>• (3) 43" Samsung TV/Monitors</li> </ul>



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Item	Qty	
15.13	3	Extron MKP 2000 X-Y Remote Control Panel for Extron Matrix Switchers. <b>NOTE:</b> One (1) Front conference room One (1) Rear workstation area One (1) Exterior workstation
15.14		Extron DSC 301 HD Three Input Compact HDCP-Compliant Video Scaler • HDMI and analog video scaling to HDMI • Auto-switching between inputs • HDMI auto embedding • Selectable output rates from 640x480 to 1920x1200, including 1080p/60 and 2K • Advanced scaling engine with 30-bit precision processing and motion-adaptive de-interlacing for signals up to 1080i • HDCP compliant
15.15		Extron Transmitter for HDMI 60-1271-12 DTP HDMI 4K 230 TX • Transmits HDMI plus control and analog audio up to 230 feet (70 meters) over a shielded CATx cable • Supports computer and video resolutions up to 4K
15.16		Extron Receiver for HDMI 60-1271-13 DTP HDMI 4K 230 RX • Receives HDMI plus control and analog audio up to 230 feet (70 meters) over a shielded CATx cable • Supports computer and video resolutions up to 4K
15.17	1	Extron ShareLink Pro 500 Series Wireless Collaboration Gateway Key Features • Wirelessly share content from personal mobile devices • Supports Microsoft Windows® and OS X® computers as well as Apple® and Android™ smartphones and tablets • Integrated dual band wireless access point at 2.4 GHz or 5 GHz • Provides full screen mirroring for Apple iOS devices1 • Dedicated mobile app, MirrorOp® for Extron ShareLink™, for reliable iOS and Android content sharing
15.18	2	HDMI input jack, wall plate and cable. <b>NOTE:</b> Input in Matrix at exterior TV compartment Input in Matrix at conference table base
15.19		HDMI connection cables, as required.
16.00		<b><u>MAST AND MAST MOUNTED EQUIPMENT:</u></b>
16.01	1	Fireco 2200 series heavy-duty non-locking telescoping pneumatic mast. Mast features: • 265 lb. max top load capacity • 26' 2" extended height • 6' 1" nested height Includes: • KEY-WAY breakaway nylon key prevents tower rotation. Easily replaceable. • Air safety valve for over pressure release and condensation drainage.



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Item	Qty	
		<ul style="list-style-type: none"> <li>• Water drainage holes to avoid freezing at low temperatures.</li> <li>• Interlock to prevent vehicle from being driven with mast raised.</li> <li>• Fireco tower does not require routine lubrication.</li> <li>• 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.</li> </ul>
16.02	1	Thomas Ultra Air-Pac 1/2-hp compressor with 2 gallon air tank.
16.03	1	Custom fabricated 0.125" aluminum Nycoil cylinder painted to match body color.
16.04	1	Custom fabricated 0.125" aluminum mast cover painted to match body color.
16.05	1	Custom fabricated bracket on mast to mount two individual camera systems.
16.06	1	Mast lookup light mounted on mast.
16.07	1	Weatherproof mast up/down control switch on exterior of vehicle.
16.08	2	AXIS Q6318-LE PTZ Dome Network Camera <ul style="list-style-type: none"> <li>• 4K UHD and 31x optical zoom</li> <li>• Axis Sharpdome technology with Speed Dry</li> <li>• Optimized IR with power-efficient, long-life 850 nm IR LEDs, range of reach 300 m (984 ft) or more depending on the scene</li> <li>• Built-in laser that provides laser focus for precise focus and quick-zoom functionality, it allows you to easily follow fast-moving objects</li> </ul>
16.09	2	Axis D1110 4K Video Decoder <ul style="list-style-type: none"> <li>• Enables monitors that support HDMI to display live video from Axis network cameras</li> <li>• 4K Video with HDMI Out</li> <li>• Sequence and Multiview (up to 8 cameras)</li> </ul>
16.10	2	SD Memory Card for IP camera. The SD card shall record mast camera allowing it to be downloaded and viewable via an IP address. <b>NOTE:</b> 64GB
17.00		<b><u>RADIOS:</u></b>
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	4	Prewire and make installation provisions for communications radio. Installation includes: <ul style="list-style-type: none"> <li>• NMO-style base on the roof or antenna raceway, as applicable.</li> <li>• LMR195 antenna cable routed to radio transceiver location in Carlon Carflex ENT conduit.</li> <li>• 12Vdc power routed to radio transceiver location.</li> </ul> <b>NOTE:</b> Locations: Two (2) curbside slide-out Two (2) Rear curbside workstations
17.03	1	Prewire and make installation provisions for dual head communications radio. Installation includes: <ul style="list-style-type: none"> <li>• NMO-style base on the roof or antenna raceway, as applicable.</li> </ul>



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Item	Qty	
		<ul style="list-style-type: none"> <li>• LMR195 antenna cable routed to radio transceiver location in Carlon Carflex ENT conduit.</li> <li>• 12Vdc power routed to radio transceiver location.</li> </ul> <p><b>NOTE:</b> Cab - Exterior Workstation</p>
17.04		Install hinged panels under countertops to conceal radio transceivers where applicable.
17.05	1	<p>Fabricate and install 3" x 3" square aluminum tubing antenna raceway on the roof of the body and will penetrate the roof on each side of the truck at radio box locations. Includes:</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• Carlon Carflex ENT conduit routed from antenna raceway penetration location to radio transceiver locations.</li> </ul>
17.06	7	Magnetic microphone holder. Magnetic Mic MMSU-1.
18.00		<b><u>COMPUTER NETWORK AND EQUIPMENT:</u></b>
18.01	26	<p>RJ-45 Cat6 computer network jack with Cat6 cable routed through Carlon Flex-Plus ENT conduit or raceway (as applicable).</p> <p><b>NOTE:</b></p> <ul style="list-style-type: none"> <li>Two (2) Rear streetside workstations</li> <li>One (1) Galley area</li> <li>One (1) In raceway behind printer location</li> <li>Four (4) conference table base</li> <li>Three (3) curbside front slide-out front workstation</li> <li>Three (3) curbside front slide-out rear workstation</li> <li>One (1) above stepwell for access point</li> <li>Three (3) curbside rear front workstation</li> <li>Three (3) curbside rear workstation</li> <li>Two (2) exterior workstation</li> <li>Two (2) hardwired in passthrough</li> <li>One (1) Spare in mast Nycoil</li> </ul>
18.02	1	Leviton 69270-U48 (or current model) 48-port Cat6 rack mount patch panel.
18.03		Certified 18" Cat6 patch cord. As Required.
18.04		Certified 36" Cat6 patch cord. As Required.
18.05	1	Cable Certification Report confirming that network wiring complies with Cat6 specifications.
18.06	1	<p>Allied Telesis AT-GS950/48PS-10 48-port 10/100/1000T WebSmart Gigabit Ethernet Switch.</p> <p>Product Features:</p> <ul style="list-style-type: none"> <li>• 48 x 10/100/1000T ports</li> <li>• Power over Ethernet Plus (PoE+)</li> <li>• 4 SFP Combo ports</li> <li>• Double the MAC table size of other Web Smart switches in the market</li> <li>• Web-based management</li> <li>• 802.1X security</li> <li>• Link aggregation</li> </ul>



CUSTOM SPECIALTY VEHICLES

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www.ldvusa.com

Item	Qty	
		• Port setting
18.07	1	<p>HP Officejet Pro 9015e All-in-One Printer</p> <p>Product features:</p> <ul style="list-style-type: none"> <li>• Black/white or color print, copy, scan, and fax capable</li> <li>• 1 USB 2.0; 1 Host USB; 1 Ethernet; 1 Wireless 802.11b/g/n; 2 RJ-11 modem ports</li> <li>• Dimensions (W X D X H) 17.28 x 13.46 x 10.94 in; 20.43 Lbs.</li> </ul>
18.08	7	<p>Install customer owned computer.</p> <p><b>NOTE:</b></p> <p>Form factor computers:</p> <ul style="list-style-type: none"> <li>One (1) in electronics rack</li> <li>One (1) Workstation #3</li> <li>One (1) Workstation #4</li> <li>One (1) Workstation #5</li> <li>One (1) Workstation #6</li> <li>One (1) Extra in rear (Workstation #5, Cad)</li> <li>One (1) Extra in curbside slide-out (Workstation #3, Cad)</li> </ul>
18.09	1	<p>Make installation provisions for customer provided Starlink hardware.</p> <p>Includes:</p> <ul style="list-style-type: none"> <li>• Roof mounted weather proof box with removable cover for storage of Starlink cabling that connects to Starlink antenna.</li> <li>• Run Starlink proprietary cable from roof mounted box to electronics rack (cable length TBD)</li> <li>• Installation of Starlink hardware in electronics rack (router and AC cable).</li> </ul> <p>Note: If Starlink hardware is not provided to LDV for install, LDV will make provisions for cabling to be routed from roof mounted box to interior electronics rack for install by customer at future date.</p>
18.10	1	Cradlepoint E3000 cellular router with WiFi (5G Modem) and 1-year NetCloud Enterprise Branch Essentials Plus Advanced Plan.
18.11	1	Cradlepoint MC400 5GV Wireless Cellular Modem (BF-MC400-5GB) for E300/E3000 Enterprise Branch Routers.
18.12	1	Cellular modem antenna with GNSS. Airgain CENTURION Next 9 IN 1 High Performance External IP67 Antenna for LTE and 5G. 4x Cellular (600 MHz-6 GHz), 4x WIFI and GNSS, Threaded-Bolt Mount, 15 FT Cabling With SMA Connectors for Cell/GNSS, and RP-SMA for WIFI, Black.
18.13	1	Cellular modem antenna with GNSS. Airgain CENTURION Next High Performance External IP67 Antenna for LTE and 5G. 4x Cellular (600 MHz-6 GHz), Threaded-Bolt Mount, 15 FT Cabling With SMA Connectors for Cell, Black.
19.00		<b><u>MISCELLANEOUS ELECTRONICS:</u></b>
19.01	1	Franklin Instruments #FD254-I00-0P4 clock with 2.5" LED display and 12 hour or 24 hour modes.
19.02	1	Middle Atlantic Products, Inc. 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.
19.03	1	Middle Atlantic VFD-40 Vented front door with Thumb Latch (No Key Lock).



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Item	Qty	
19.04	1	Middle Atlantic MW-4QFT-FC top fan panel, with four (4) 50 cfm ventilation fans, QFAN.
19.05	2	Middle Atlantic PD-815SC-NS 15 amp power strip with eight (8) outlets. Includes PB-XS rack mounting bracket.
19.06	1	Cast Products EB00013-1 cast aluminum weatherproof box with key lock. <b>NOTE:</b> Box will be used for exterior connections.
19.07	1	Shroud with weatherproof pass-through hatch installed in the door of the input box.
19.08	1	Exterior input box door painted to match body.
20.00		<b><u>EXTERIOR STORAGE COMPARTMENTS:</u></b>
20.01	1	Single door underbody storage compartment with approximate interior dimensions 21" high x up to 36" wide x 25" deep constructed from 0.125" aluminum with all welded seams.
20.02	1	Single door underbody storage compartment with approximate interior dimensions 21" high x up to 42" wide x 25" deep constructed from 0.125" aluminum with all welded seams.
20.03	2	Single door underbody storage compartment with approximate interior dimensions of 28" high x up to 60" wide x 25" deep constructed from 0.125" aluminum with all welded seams.
20.04		Compartments listed above will be constructed to the following specifications: <ul style="list-style-type: none"> <li>• Sweep out type bottoms with 1/2" drain holes.</li> <li>• 2" box pan doors and door frames fabricated from 0.125" aluminum.</li> <li>• Door frames shall be riveted to the body and welded to the compartments.</li> <li>• Compartments shall have an LED light that illuminates when the door is opened.</li> </ul> Compartment doors will be constructed to the following specifications: <ul style="list-style-type: none"> <li>• Stainless steel hinges attached with stainless machine screws.</li> <li>• Slam latches and flush mounted handles.</li> <li>• 0.100" bright polished aluminum diamond plate on interior surfaces fastened with stainless hardware.</li> <li>• All doors shall be sealed with industrial grade neoprene gasket.</li> </ul>
21.00		<b><u>MISCELLANEOUS OTHER:</u></b>
21.01	1	Automatic Awning with acrylic fabric and the following features: <ul style="list-style-type: none"> <li>• Solid-state sensor automatically closes awning after detecting sustained winds</li> <li>• Exclusive Knee-Action Design prevents damage from sudden wind gusts</li> <li>• Heavy duty motor is fully contained in the roller tube, self-locks awning in travel position</li> <li>• Unique spring-arm mechanism automatically dumps accumulating rain water</li> </ul> <b>NOTE:</b> Cadet Gray fabric and white case
21.02	1	15" wide roof access ladder mounted on rear. Ladder features: <ul style="list-style-type: none"> <li>• All welded construction for maximum strength</li> <li>• 1" diameter X 0.083" brush finished tubular aluminum rails</li> <li>• Aluminum grip-strut rungs</li> </ul>
21.03	1	Heavy-duty Quadra Mfg. Bigfoot® four point fully automatic one-touch leveling system. Includes: <ul style="list-style-type: none"> <li>• Four (4) QEII-26 jacks with 17,000-lb. capacity each, 26" long with 20" stroke</li> <li>• Air ride dump valve</li> </ul>



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Item	Qty	
		<ul style="list-style-type: none"> <li>• Fully automatic control panel with manual feature</li> <li>• Safety interlock when jacks are deployed</li> </ul>
21.04	1	Set of four (4) Super Dolly Pads 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	3	Battery powered combination Carbon Monoxide and Smoke alarm.
21.07	1	<p>Complete manual set, including the following (as applicable):</p> <ul style="list-style-type: none"> <li>• As-built specifications with interior and exterior drawings as used for production of the vehicle.</li> <li>• Chassis and body owner's manuals.</li> <li>• 12Vdc and 120Vac legends showing wire gauge, color, number and function.</li> <li>• 12Vdc high current wiring diagram illustrating the battery system, isolators, power converters, alternator, disconnect switches and control panels.</li> <li>• Roof top antenna placement drawing and legend identifying antenna placements and termination points.</li> <li>• Audio/Video cabling diagram.</li> <li>• Chassis and generator maintenance and service logs.</li> <li>• Battery maintenance information.</li> <li>• 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.</li> </ul>
21.08	1	<p>TRAINING. An LDV representative will provide up to eight (8) hours of orientation on LDV provided systems, as applicable:</p> <ul style="list-style-type: none"> <li>• Generator start up and shut down procedure</li> <li>• Leveling system operation</li> <li>• AC and DC electrical systems operation</li> <li>• HVAC systems operation</li> <li>• Mast operation</li> <li>• Audio/Video system operation, does not include programming DVR's, TV's, etc.</li> <li>• Alarm operation</li> <li>• Awning operation</li> </ul>
21.09		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.
21.10		<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"> <li>• Radio and telephone system programming.</li> <li>• Activation and service fees for cellular telephones, satellite telephones, satellite TV, satellite internet access.</li> <li>• Loading and configuring computer software.</li> </ul> <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>





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Item	Qty	
		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.