

APPENDIX A
SPECIFICATION, JEA CLASS 130: ONE TON HEAVY DUTY HIGH TOP EXTENDED LWB DRW
FREIGHTLINER SPRINTER 4X4

1. SCOPE

It is the intent of the JEA to purchase multiple 1 Ton Heavy Duty High Top Extended LWB 4X4 Dual Rear Wheel Freightliner Sprinter Vans with various up-fits and options. All units must be tested and delivered to the JEA Fleet Facility (5717 New Kings Road Jacksonville, Florida 32209) in complete operational condition, with all required equipment and documentation by the date specified per awarded contract

2. MODEL:

New current model year production 1 Ton Heavy Duty High Top Extended LWB DRW 4X4 Vans (Freightliner Sprinter 3500XD 4X4). Reference JEA In-Service Unit # 51452 for layout and option details.



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3. CHASSIS

- 3.1 Base Curb Weight: not to exceed 6200 lbs.
- 3.2 Wheel Base: Between 170" and 182".
- 3.3 Overall Height: not to exceed 122".
- 3.4 Overall Length: not to exceed 290".
- 3.5 Overall Width Including Mirrors: not to exceed 100".
- 3.6 Minimum Ground Clearance: 8".
- 3.7 Wheels: 16" or 17" aluminum.
- 3.8 Minimum Seating Capacity: Two (2). Include armrest, center console option with storage and minimum 2 cup holders.
- 3.9 Pay Load: 4,870 lbs. or greater (Maximum Available).
- 3.10 Sliding Side Door (No Windows): Passengers side only.
- 3.11 Rear Doors (No Windows).
- 3.12 GVWR: Between 11,030 lbs. and 12,800 lbs.
- 3.13 Interior Cargo Length: Between 189" and 199".
- 3.14 Interior Height: Between 79" and 82".

4. ENGINE (6 CYLINDER DIESEL)

- 4.1 Horse Power: Minimum 188 HP.
- 4.2 Torque: Minimum 350 lbs.
- 4.3 No automatic idle shutdown.
- 4.4 6 Cylinder Diesel.
- 4.5 Fuel Economy: Minimum 12 City and 15 Highway

5. TRANSMISSION

- 5.1 Minimum SEVEN (7)-Speed Automatic.
- 5.2 PTO Provision if available

6. TOWING

- 6.1 Class-3 towing package.

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- 6.2 OEM 7 pin RV trailer plug.
- 6.3 Minimum max loaded trailer weight 3,500 lbs.
- 6.4 OEM integrated brake controller.

7. DIFFERENTIALS (4X4)

- 7.1 Limited slip or lockable.

8. TIRES

- 8.1 All terrain tread.

9. BRAKES

- 9.1 Four wheel disc brakes.
- 9.2 Anti-Lock brake system (ABS).

10. FUEL TANK

- 10.1 Minimum 24 gallon useable fuel capacity.

11. CHASSIS ELECTRICAL AND LIGHTING (NO SCOTCH LOCK CONNECTIONS)

NOTE: WIRE ALL LED STROBE LIGHTS TO ONE SWITCH IN CAB WITH LABEL

- 11.1 Meters (In Cab / Dash Mounted): hour meter, mileage, engine oil pressure, engine temperature, charging system, fuel level etc.
- 11.2 Auxiliary Accessory Fuse Block: Purpose is to wire GPS, fuel rings, JEA Radio, DC accessory power outlets etc. Wire to waterproof resettable breaker so we can isolate from the vehicle OEM system if needed. An acceptable example is listed below including picture

Blue Sea Systems ST Blade ATO/ATC Fuse Blocks
Style Name: 12-Circ Split w/Cover & Neg



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- 11.3 All Cab / Chassis Lights: LED only.
- 11.4 Corner Mounted LED Strobe Lights: Eight count, one on each upper corner and one on each lower corner (Mount in light buckets if possible).
- 11.5 DC Accessory Power Outlets: One additional DC power outlets in cab for accessories with spring loaded cover. See example below: NAPA Part # BK 7821773 or equal. Wire to the Auxiliary Accessory Fuse BLOCK



- 11.6 Power Package: Power windows, locks, mirrors (Heated), cruise control and tilt wheel.
- 11.7 Factory installed air conditioner and heater.
- 11.8 Front crash mitigation/warning system, back up sensors and backup alarm.
- 11.9 OEM AM / FM Stereo with auxiliary input, backup camera, and Bluetooth hands free. Units must meet FMVSS111 Requirements.
- 11.10 OEM UP-FITTER Switches.
- 11.11 2500 Watt Inverter (Xantrex PROwatt, Pure Sine Wave Inverter or Equal): Chassis powered and key hot. Wire/Mount behind driver's seat / to bulkhead approximately 12" from the floor with outlets facing up. Unit needs to be in cargo area/behind bulkhead. ADD a 120V Dual GFI Outlet wired to the Power Inverter and mounted in the rear cargo area.
- 11.12 Cargo Area Interior Lights: 3 Interior Roof Mounted LED lights, evenly spaced and centered. Wire to Power Inverter (Chassis Powered Keyed Hot).

12. ADDITIONAL REQUIRED EQUIPMENT

- 12.1 Window Tint: driver and passenger windows (Max Legal in FL).
- 12.2 Spray In Bed Liner: Cargo floor area. Spray 8" up on all sides (LINE X or equal).
- 12.3 Cargo Area Floor Mat: With corrugated bottom to make floor area a level/smooth walking surface.
- 12.4 Seat Belts: Fluorescent Green or Fluorescent Orange



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12.5 Tow/Recovery Hooks: Front.

12.6 Aluminum Bulkhead Partition: No door and designed so the driver and passenger seats can be adjusted and set back.

13. COLOR/GRAPHICS

13.1 White exterior.

13.2 Delete all vendor and manufacturer identification decals except required safety & reference identification tags, decals, data plates & placards.

14. MANUALS, VIDEOS, KEYS & OPERATOR ORIENTATION

14.1 One (1) Set of operator manuals (Hard Copy) per unit.

14.2 Provide five (5) complete sets of keys per unit (3 FOB Keys and 2 Standard Keys for Chassis) including attachments, bins and tool boxes. Key all bins and tool boxes alike. Stamp/Engrave JEA provided 5 digit unit number on all keys.

14.3 One (1) on-site JEA Operator Orientation Class (Complete Unit: Chassis and Attachments).

14.4 One (1) on-site JEA Maintenance Orientation Class (Complete Unit: Chassis and Attachments).

14.5 Include a paper copy specification / build sheet in all units including key codes.

14.6 Must include/document the Vin Number, Make, Model, Description, JEA PO # and JEA Provided 5 Digit Unit Number on all invoices.

14.7 Awarded vendor must complete and submit the JEA provided Vehicle and Equipment Attribute Data Spreadsheet.

15. WARRANTY

15.1 Minimum 3 Year / 36,000 Mile warranty and all standard manufacturer warranties including component warranties.

15.2 Warranty period starts when units received at JEA Fleet Facility, Inspected and Accepted.

16. OTHER REQUIREMENTS

16.1 Purchase and Install Yellow City License Plates.

16.2 Install JEA provided decals (You may use JEA's current vendor at your expense).

16.3 Install JEA provided safety equipment: Purple-K fire extinguisher (5 LB), first aid kit and key safe.

16.4 Current DOT Inspection / Certification with decal installed lower left inside corner of windshield. Include current date, current hours, next service due date and next service due hours.

16.5 Must include/document the VIN number, make, model, description, JEA PO # and JEA provided 5 digit unit # on all invoices.

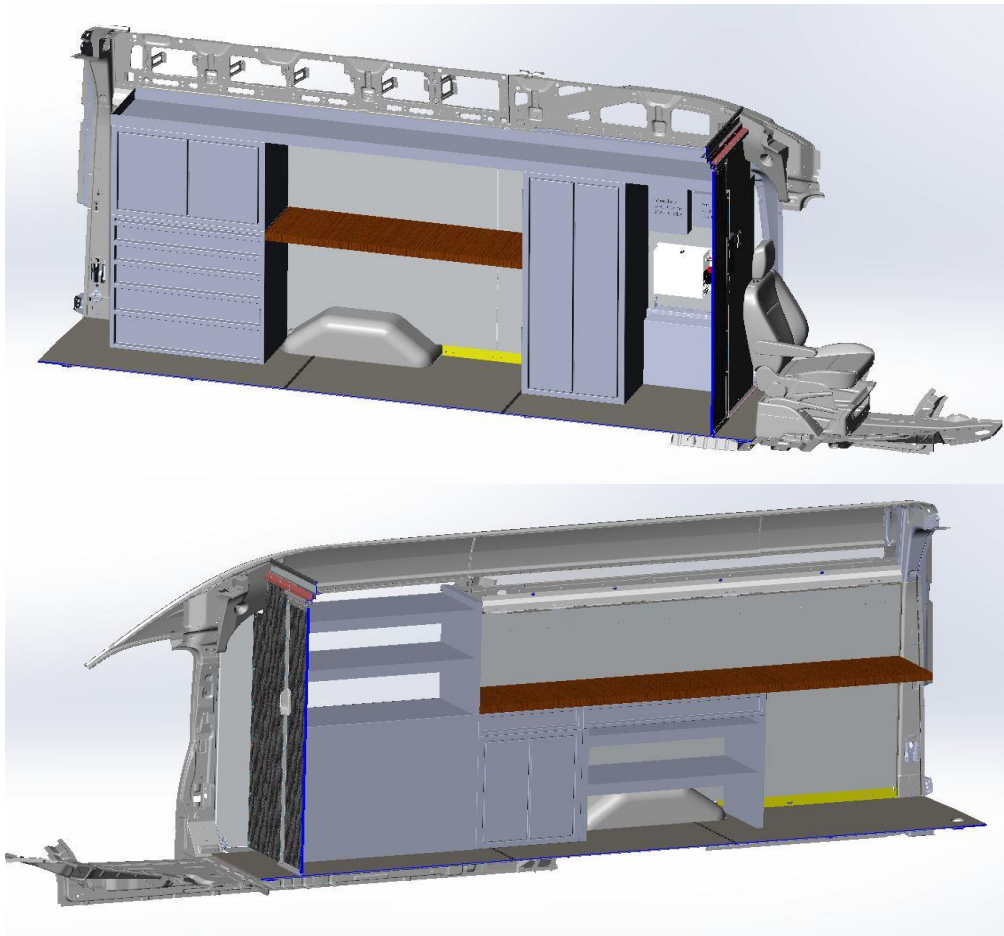
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16.6 Reflective roadside triangle warning/hazard kit.



**OPTION A: GENERAL SPECIFICATION SECTIONS 1 through SECTIONS 16.6 AND THE FOLLOWING
REFERENCE IN-SERVICE JEA UNIT # 51452**

SHELVING & INTERIOR COMPONENTS/ATTACHMENTS



- Ladder Storage (2 Count): 20' extension ladder (10'8" when collapsed) and 6' step ladder.
- Integrated desk with hinged surface and storage under surface (2 Count): RH and LH.
- Aluminum cabinets with adjustable shelves: RH and LH.
- Aluminum Drawers
- Insulate walls, roof and rear doors with spray foam insulation
- Aluminum sub walls and ceiling.
- 6" DIAMETER X 10' LONG HOT STICK Storage Tubes with Weatherproof End Caps: Two count.

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- OEM Cab Entry Steps: Drivers side and curb side.

ELECTRICAL & LED LIGHTING COMPONENTS/ATTACHMENTS

- Retractable Ground Wire Reel, 50': Mount to interior left side rear cabinet near floor.
- Roof Mounted Low Profile Dometic A/C & HEAT: Commercial quality.
- LED Scene Lights (2 Count): Mount above rear doors (1 RH and 1 LH)
- LED Cabinet Lighting: All Cabinets.
- LED Ground Lighting (Under Vehicle): Drivers Side, Passenger Side & Rear of Unit.
- LED Interior Roof Lights (3 Count): Mount in cargo area, evenly spaced, center of walkway.
- 50 AMP Service Panel: Mount behind driver's seat in cargo area.
- 60 AMP / 240V ELECTRIC RETRACTABLE REEL with 2 CONNECTORS (Electric / Power Actuated): Mount inside right rear with lockable outside access door on right side of van. One plug on reel and One additional plug for additional vehicle connections. Use 3/c #8 600v cable, type SOOW or equivalent, 50 feet. Cable end to be a Thomas & Betts Russellstoll Plug cat #3327-78, 2W3P Male Plug.
- 120V 15A Dual Outlets (7 Count): Inside cargo area. Mount above shelves on both sides of van.
- 120V 15A Dual Weatherproof GFI Outlets (2 Count): One RH rear and One LH rear.
- 120V 15A Retractable Reel (25'): RH rear.
- 240V Single Outlet: RH inside Rear.
- Battery System with integrated charging system, converter / inverter etc.: 6.6 KW VOLTA POWER SYSTEM. The Volta POWER System needs to be installed/wired so the batteries charge while the chassis engine is running and or the shore power is plugged in.

NOTE: All units, attachments, products and services must meet and comply with all applicable regulations and specifications including but not limited to Federal and State Laws, OSHA Regulations, ANSI Standards, DOT Regulations and ASTM Standards. All units must be delivered to the JEA Fleet Facility with a minimum $\frac{3}{4}$ tank of fuel. Contact Thurman McGlothlin at 904-576-9382 48 hours prior to delivery. Delivery times are Monday through Friday 07:00 AM – 03:00 PM at 5717 New Kings Road Jacksonville Florida, 32209.