

023-19 – Appendix A – Group 1 SPECIFICATION, JEA CLASS 131: 18' WALK IN VAN (JEA ELECTRIC)

1. SCOPE

It is the intent of the JEA to purchase **TWO (2) 18' WALK-IN VAN**. VANS must be tested and delivered to JEA Fleet Facility (5717 New Kings Road Jacksonville, Florida 32209) in complete operational condition, with all required equipment and documentation by **SEPTEMBER 25, 2019**. Liquidated Damages (\$50.00 Per Unit, Per Day) start **September 25, 2019**.

2. MODEL:

New, current model year production **18' WALK IN VAN** (Freightliner MT-55 or Equal) with **12.5K ONAN GENERATOR** and **FENIX MANHOLE A/C AIR DELIVERY SYSTEM**. Reference: **JEA Unit # 50503** for **Layout/Design Details** and clarification.



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3. CHASSIS (Freightliner MT55 or Equal). DIMENSIONS INCLUDE VAN BODY

- 3.1 **Single Screw** Chassis (29,000 LB GVWR).
- 3.2 **WB:** 190".
- 3.3 **Height:** 85H. Level Ground to Highest Point on Vehicle Not to Exceed 138".
- 3.4 **Overall Length:** Not to Exceed 338".
- 3.5 **Width:** 93.5W.
- 3.5 **Max Speed:** 72 MPH.

4. ENGINE (REQUIRE CUMMINS B6 DUE TO RELIABILITY / DURABILITY)

- 4.1 Horse Power: Minimum **260 HP**.
- 4.2 Torque Range: Minimum **650 lbs.**
- 4.3 **No** Automatic Idle Shutdown.
- 4.4 Block Heater.
- 4.6 Engine warning and shut down system.

5. TRANSMISSION

- 5.1 Allison RDS 2500.
- 5.2 PTO Provision

6. REAR AXLE (19,000 LB)

- 6.1 **Air Ride** / MAX GVWR Rating Available with Manual Dump Valve.
- 6.2 Locking Differential.

7. FRONT AXLE (10,000 LB)

- 7.1 Max GVWR Available with Oil Bathed Bearing/Hubs.

8. TIRES

- 8.1 22.5 Low Profile to match GVWR, All Season Tread.

9. BRAKES **(AIR DISC WITH SHIELDS)**

- 9.1 Air **DISC Brakes** With Shields.
- 9.2 Anti-lock braking system.
- 9.3 Automatic drain valves.

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9.4 Air Dryer.

9.5 Low Air Pressure Warning System.

10. COOLING SYSTEM

10.1 Heavy duty extra cooling capacity, largest available from manufacturer.

11. FUEL TANK AND DEF TANK

11.1 Minimum **60** gallon useable fuel capacity with Auxiliary Fuel Port.

11.2 Minimum **10** gallon diesel exhaust fluid capacity.

12. ELECTRICAL AND LIGHTING (NO SCOTCH LOCK CONNECTIONS)

12.1 **Meters:** Speed, tachometer, hour meter, transmission temperature, engine oil pressure, engine temperature, charging system, fuel level, air pressure and diesel exhaust fluid level (In Cab / Dash Mounted).

12.2 **Auxiliary / Accessory Fuse BLOCK/Lugs:** To wire GPS, Fuel Rings, JEA RADIO, DC Accessory Power Outlets & Etc. See Example Below. Wire to Waterproof Resettable Breaker so we can isolate from vehicle if needed.

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



12.3 **MASTER SWITCH WITH LOCKOUT/TAGOUT:** In Cab (Mitigate Dead Batteries Due To GPS, Fuel Rings & Etc.).
EXAMPLE: TR SERIES DUAL POLE MASTER DISCONNECT SWITCH (500A • DPST • IP67/IP69k • Integrated Lock-Out Tag-Out). Mount close to batteries with proper size / type wire and connections.

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- 12.4 **All Cab / Chassis Lights, Including Headlights:** LED ONLY.
- 12.5 **4 Corner Mounted LED Strobe Lights:** 8 Count (4 Upper Corners and 4 Lower Corners).
- 12.6 **Auxiliary Battery Jump Ports:** Insulated remote posts protected and mounted Drivers Side & Accessible.



- 12.7 **DC Accessory Power Outlets:** **TWELVE Count.** 6 DC Power Outlets in cab for accessories with spring loaded cover (For Cell Phone Chargers & Etc.). 3 over RH workbench and 3 over LH workbench. See example below (NAPA Part Number & Picture): NAPA Part # BK 7821773 or equal. Power/Wire to the Auxiliary / Accessory Fuse BLOCK



- 12.8 **Mirrors:** Power, Extendable and Heated Mirrors.
- 12.9 Cruise Control and Intermittent Windshield Wipers.
- 12.10 Backup Camera (7" or 8" Color Monitor) and Backup Alarm.
- 12.11 AM / FM / Weather Band Stereo with Auxiliary Input and [Bluetooth/Hands Free](#).
- 12.12 Factory installed air conditioner and heater.
- 12.13 **LED AREA LIGHTS:** under Driver & Passenger Steps and under Rear Bumper.
- 12.14 **LED Lighting** in all Utility Bins and Drawers.
- 12.15 50 AMP 120V/240V Service Panel with Shore Power and Transfer Switch. Mount RH Sidewall Above Workbench. Mount Shore Power Plug Right Rear/Outside Lower Corner of Van Body.
- 12.16 120V 15 AMP Dual Exterior Weatherproof Outlets: 2 Count. RH Front Fender and RH Rear Corner.

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- 12.17 120V 15 AMP Dual Interior Weatherproof Outlets: 4 Count. LH Front Work Bench, LH False Wall Above High Pot Storage, RH Bench Left Side and RH Bench Right Side.
- 12.18 **CONVERTER/CHARGER (45A, 120V TO 12V):** Mount RH Near Service Panel.
- 12.19 **Auxiliary Battery Compartment (2 Battery Capacity):** Include 2 12V Batteries.
- 12.20 Whelen 12V Micro Pioneers Rear Ped: 2 Count.
- 12.21 Whelen PCPSM2C Scene Light: 1 Count.

13. ADDITIONAL REQUIRED EQUIPMENT

- 13.1 Tilt Wheel.
- 13.2 Front bumper.
- 13.3 **Air Ride Seats with Collapsible Armrest and Headrest** (Driver & Passenger Seats).
- 13.4 **Tow/Recovery Hooks:** Front.
- 13.5 **Window Tint:** driver, passenger & rear windows (Max Legal in FL).
- 13.6 **Cup Holders:** Minimum 2.
- 13.7 **Tow PACKAGE / Pintle Hook:** Class-3 Towing Package with 7 Pin Round Trailer Plug, Electric Brake Controller & Pintle / 2" Ball Combination Insert (Make Model: TOW READY # 63011 and # 63057).



- 13.8 **TWO Collapsible Cone Holders (JEA Standard / TEMPLATE):** Mounted Center / Front Bumper.



- 13.9 Fuel Fill Door and Closer.
- 13.10 DEF Tank Fill Door and Closer.

14. VAN BODY AND ATTACHMENTS (REFERENCE JEA Unit # 50503)

- 14.1 Insulate Driver/Passenger Cabin (Include Cab Floor Matting) and Cargo Area Including Roof.

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- 14.2 Sun Visors: Adjustable LH and RH.
- 14.3 Work Tables/Trays: Engine Cover and RH, Dash Height.
- 14.4 Interior / Forward / Roof Mounted Console with storage compartments.
- 14.5 14" Fantastic Fan (Powered): 1 Count, Roof Mounted.
- 14.6 4" Lowered Stepwells, LH and RH.
- 14.7 **Rear Bumper:** 12" Grip Strut with 24" Wide X 12" Deep Fold Down Step.
- 14.8 **SHELVING and WORK BENCHES:** EZ STAK or Equal. Reference Drawings and Current In-Service JEA Unit # 50503.
- 14.9 5 Gallon Water Keg Bracket: Mount RH Interior Door. Include 5 Gallon Water Keg. NOTE: Make sure door will shut and not hit the workbench.
- 14.9 Slider Lockable Doors with Slider Windows, LH and RH.
- 14.10 4" Lowered Stepwells, LH and RH.
- 14.11 Full Swing Rear Doors with 12" X 18" Fixed Windows: Lockable with 4 Hinges, Each Door. Include Hold Back with Release.
- 14.12 Hand Wash Tank with Ball Valve: Mounted LH Rear Door.
- 14.13 **ONAN GENERATOR (Diesel):** 12.5K. Mounted/Installed LH in Lockable Compartment on Slide Out. Fuel supplied from chassis fuel tank.
- 14.14 **FENIX MANHOLE A/C AIR DELIVERY SYSTEM:** Mounted RH Rear, Inside.
- 14.15 **INVERTER:** 2000W INDUSTRIAL/COMMERCIAL with 12V Power Strip.
- 14.16 **CAB DOME LIGHT:** 18" LED centered in cab with Lighted Switch
- 14.17 **CARGO AREA INTERIOR DOME LIGHTS:** 4 Count. 18" LED Roof Mounted / Centered in Cargo Area with Lighted Switch.
- 14.18 Work Bench LED Lights: TWO Count. 1 above both Work Benches.
- 14.19 **CENTER ISLE:** NON-SKID
- 14.20 **SIDE & REAR WALLS:** Heavy Duty and Insulated to match referenced JEA Unit with Fresh Air Vents, LH and RH.
- 14.21 **Grab Handles (Safety):** Match referenced JEA Unit.
- 14.22 Shovel Storage System.
- 14.23 Manhole Barrier Holder.

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14.24 Ladder Bin with Door (7").

14.25 5" Vise.

14.26 Under Floor Compartment: 30" X 22" X 20".

14.27 False Wall / Storage Compartments LH: Accessible when LH Rear Door is open.



14.28 LH Rear Inside Cabinet: Make 4" Shorter and mount as high as possible to make room for redesigned HIGHPOT Machine.



Make 4"
Shorter

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15. COLOR / GRAPHICS

- 15.1 White exterior.
- 15.2 Delete all vendor and manufacturer identification decals **except required** safety & reference identification tags, decals, data plates & placards.

16. MANUALS, VIDEOS, KEYS & OPERATOR ORIENTATION

- 16.1 Two sets of operator manuals per unit (Hard Copies). One electronic copy.
- 16.2 KEY UNIT THE SAME AS CURRENT JEA MT-55 ELECTRIC UNDERGROUND VAN (JEA Unit # 50503). (5) complete sets of keys per unit Including Attachments, Bins & Tool Boxes. Key All Bins & Tool Boxes Alike. **Stamp/Engrave** JEA PROVIDED 5 Digit Unit Number On All Keys.
- 16.3 (1) On-Site JEA Operator Orientation Classes (Complete Unit Overview: Chassis & Attachments).
- 16.4 (1) On-Site JEA Maintenance Orientation Classes (Complete Unit: Chassis & Attachments).
- 16.5 Include a paper copy **Specification / Build Sheet / Drawings** in all units including Key Codes.

17. DRAWINGS (One Hard Copy and One Electronic Copy)

- 17.1 Scaled Drawings will be provided to JEA upon receipt of order. Drawings will include all interior/exterior and equipment layout details & dimensions. Final Drawings / Layout will be approved by JEA before work is started. Include one electronic copy (Flash Drive).

18. WARRANTY

- 18.1 Minimum (1) One Year warranty on Chassis & All Attachments (Parts, Travel & Labor). Must include all standard manufacturer warranties on Cab/Chassis, Van Body and All Attachments/Components.
- 18.2 OPTIONAL 1 YEAR EXTENDED WARRANTY on Chassis & All Attachments (Parts, Travel & Labor): Quote Separately.

19. OTHER REQUIREMENTS

- 19.1 Purchase / Install CITY License Plates.
- 19.2 Install JEA provided Branding / Decals.
- 19.3 **Install JEA provided required safety equipment:** purple-k fire extinguisher, first aid kit and key safe.
- 19.4 Current **DOT** Inspection / Certification with Decal installed lower left inside corner of windshield.
- 19.5 Must include/document the **Vin Number, Make, Model, Description** and **JEA Provided 5 Digit Unit Number** on all Invoices and Change Order Invoices.
- 19.6 Install **Vehicle Height Warning Placard** with Maximum Height (Feet / Inches) in cab on the dash (Drivers View).
- 19.7 Reflective Roadside Triangle Warning/Hazard Kit.

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19.8 **SEAT BELTS:** FLUORESCENCE GREEN or ORANGE COLOR.

NOTE: All Units, Attachments, Products & Services must meet & 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 **Mark Murray** at **904-328-8501** 48 Hours prior to delivery. Delivery times are **Monday** through **Friday 08:00 AM – 03:00 PM** at **5717 New Kings Road Jacksonville Florida, 32209.**