

SPECIFICATION, JEA CLASS 135: 14 CUYD DUMP Truck

UPDATED February 12, 2018

1. SCOPE

It is the intent of the JEA to purchase **FOUR (4)** 5T 6X4 14 to 16 CUYD DUMP TRUCKS with **66,000 LB GVWR**. All units 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 20, 2018**. Liquidated Damages **(\$44.37 A Day, Per Unit)** start **September 20, 2018**

2. MODEL:

New, current model year production Class-8 (**Freightliner M2-112, International HX620, Kenworth T880, MACK Granite or Equal with OX BODY Model 14FT 13/15YD Dump Bed**). Reference: JEA Unit # 70023 for General Layout and Dimensions.



3. CAB / CHASSIS

- 3.1 **Class-8:** 6X4 with **66,000 LB GVWR**.
- 3.2 **Conventional Cab**
- 3.2 **CA:** Not to Exceed **112"** "
- 3.3 **WB:** Not to Exceed **180"** "
- 3.4 **Overall Height:** From Level Ground to Highest Point on Vehicle Not to Exceed **130"**.
- 3.5 **Overall Length:** Not to Exceed **302"**.
- 3.6 **Max Speed:** **72 MPH**.

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4. **ENGINE (REQUIRE DETROIT DD13, MACK MP8, PACCAR MX13, DETROIT DD15 OR CUMMINS X15, DUE TO RELIABILITY / DURABILITY) 4.1 HORSE POWER: MINIMUM 450 HP.**
 - 4.2 **Torque Range:** Minimum 1450 lbs. to 1750 lbs.
 - 4.3 **No** Automatic Idle Shutdown.
 - 4.4 Block Heater.
 - 4.6 Engine warning and shut down system.
 - 4.7 IDLE UP / Remote Throttle Option
5. **TRANSMISSION (PTO)**
 - 5.1 ALLISON RDS 4500.
 - 5.2 Power Take Off.
6. **REAR AXLES**
 - 6.1 **Air Ride** / 46K with manual dump valve (Rated for Required GVWR and Application).
 - 6.2 Require Inter Axle Differential Lock.
 - 6.3 Require Side-to-Side Differential Locks on Both Drive Axles.
7. **FRONT AXLE**
 - 7.1 **20,000 lb.** with Oil Bathed Bearing/Hubs (Rated for Required GVWR and Application).
8. **TIRES**
 - 8.1 **FRONT:** Floater 425 / 65 R22.5 Rated for GVWR.
 - 8.2 **REAR:** 11R 22.5, 726 EL Rated for GVWR.
9. **BRAKES (AIR BRAKES)**
 - 9.1 **Air Disc Brakes with Shields:** Front and Rear Axles.
 - 9.2 Anti-lock braking system.
 - 9.3 Automatic drain valves with manual pull cables.
 - 9.4 Air Dryer.
 - 9.5 Low air pressure warning system.
 - 9.6 Trailer Hand Valve (Trailer Air Brakes)
10. **COOLING SYSTEM**
 - 10.1 Heavy duty extra cooling capacity, largest available from manufacturer.

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11. FUEL TANK

11.1 **CAPACITY:** MINIMUM 120 GALLONS. DUAL TANKS ARE ACCEPTIBLE.

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

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

12.2 **Auxiliary / Accessory Lugs wired with Resettable Breaker (Mount inside Cab and Accessible):** To Wire JEA Installed COMPONENTS such as GPS, Fuel Rings & Etc. See Example Below

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).



12.4 **All Cab / Chassis Lights:** LED ONLY.

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- 12.5 **Auxiliary Battery Jump Ports:** Insulated remote posts protected and mounted close to batteries underneath cab body / accessible.



- 12.6 **DC Accessory Power Outlets:** 3 DC power outlets in cab for accessories with spring loaded cover (For Cell Phone Chargers & Etc.). See example below (NAPA Part Number & Picture): NAPA Part # BK 7821773 or equal.



- 12.7 **Power Package:** Power Windows, Locks, Mirrors (Heated) and Cruise Control.
- 12.8 **Backup Camera:** 7" Color Screen with Sound and Infa Red Night Vision Mounted To Overhead Console.
- 12.9 AM / FM / Weather Band Stereo with Auxiliary Input, and BLUETOOTH HANDS FREE.
- 12.10 Factory installed air conditioner and heater.
- 12.11 **OEM UP-Fitter Switches (Located Upper Console or Dash):** To Wire all Dealer Installed Items such as Strobe Lights and Etc.
- 12.12 **LED Strobe Lights (6 COUNT):** One on All 4 Corners (4 Total) and One on each side of the Dump Body/Centered (2 Total).
- 12.13 Back Up Alarm

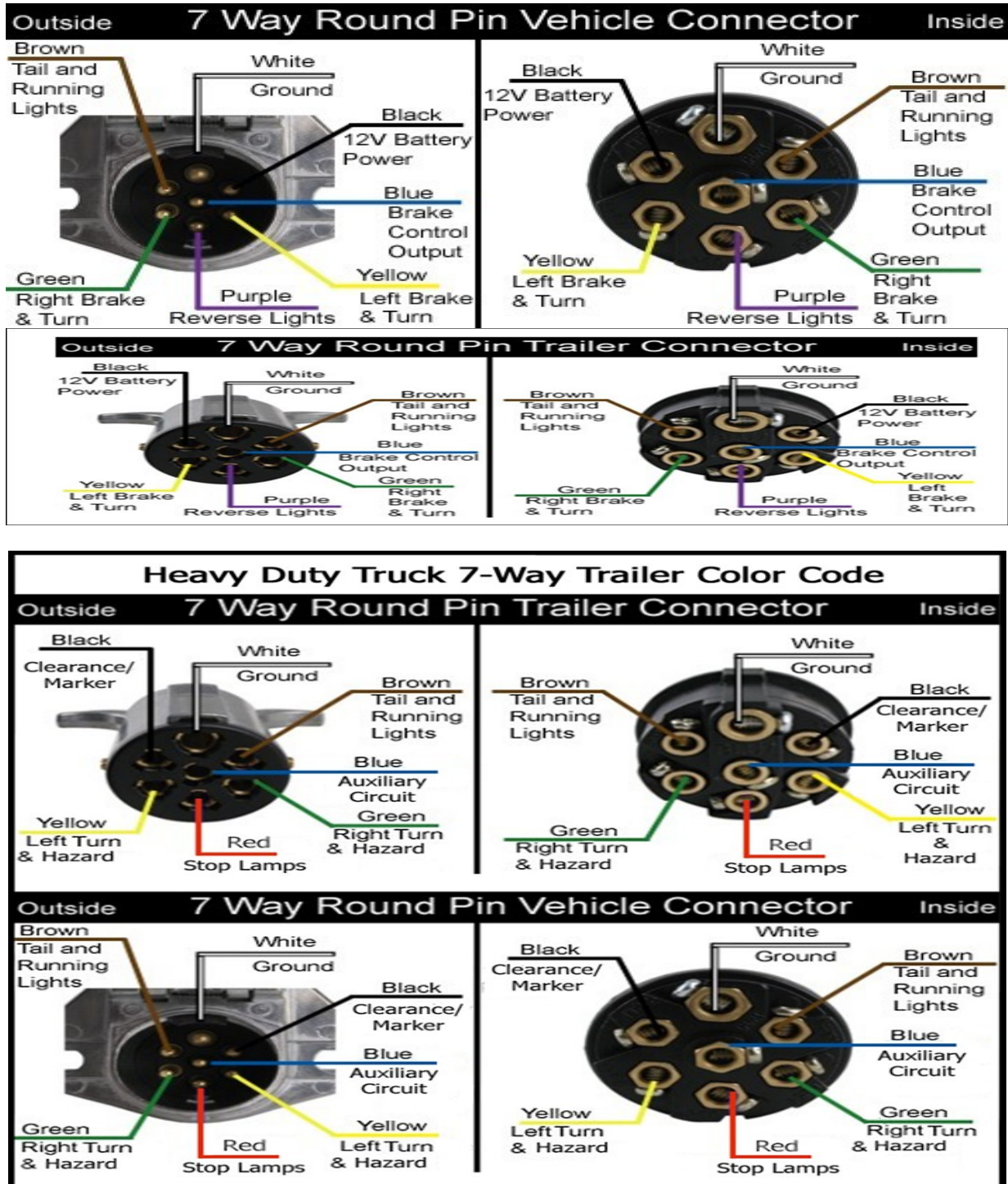
13. ADDITIONAL REQUIRED EQUIPMENT/OPTIONS

- 13.1 Tilt Wheel.
- 13.2 Front Bumper.
- 13.4 **Air Ride Drivers Seats with Collapsible Armrest** (70/30 Seat).
- 13.7 **Tow/Recovery Hooks:** Front and Rear.
- 13.8 **Fender/Hood Mounted Mirrors (2):** Passenger & Drivers Side for Blind Spots.
- 13.9 **Window Tint:** driver, passenger & rear windows (Max Legal in FL).
- 13.10 **Cup Holders:** Minimum 2.

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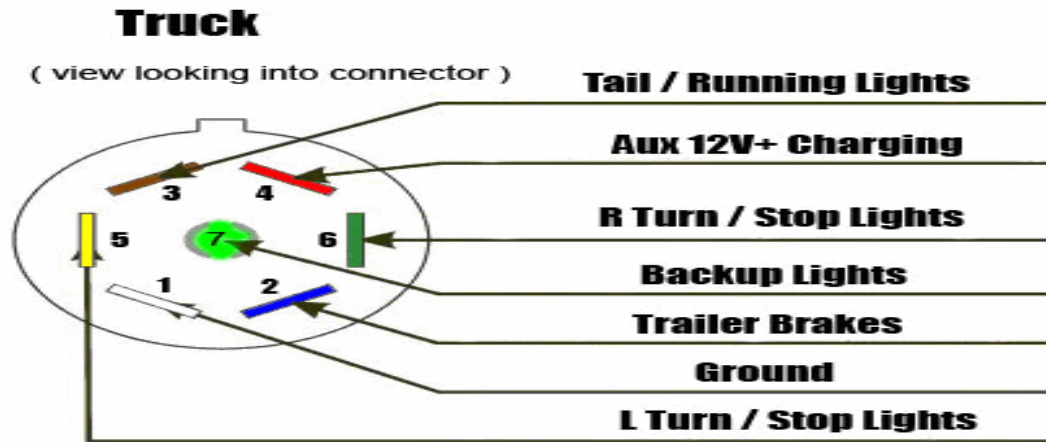
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- 13.11 Interior / Forward / Roof Mounted Console: Storage compartments.
- 13.12 Tow PACKAGE Trailer Receptacles (3 Receptacles): 7 Pin Round Trailer Recepticle, 7 Pin Round Heavy Duty Truck Trailer Receptacle (ABS) and a 7 Pin RV Trailer Receptacle.



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**7-way RV Style Trailer Plug Wiring
(aka Pollock or Bargman plug)**



13.13 **Tow PACKAGE / Pintle Hook:** Heavy Duty 25 Ton **Swivel OFF ROAD** and Safety Chain D-Rings. D-Rings Even with Hitch.

13.14 Tractor Protection Valve along with all Air Lines/Plumbing, Collapsible Glad Hands and Trailer Hand Valve.

14. DUMP BODY (OX BODIES: Model 14FT 13/15YD, Uniform with existing JEA Dump Truck # 70023)

14.1 **Elliptical Design:** Including Asphalt Lip and Tailgate Spreader Chains



14.2 **TARP SYSTEM:** Aluminum Automatic TELESCOPING Tarp System.

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14.3 **Dump Body Hydraulics, PTO, Lift Cylinders and all required Installation and Mounting Materials:** Must meet or exceed quality/durability of existing JEA Unit # 70023.

14.4 **IN CAB CONTROLS:** All Controls Including a Dual Cylinder Air Actuated Tailgate.



14.6 **Dump Body Prop:** Color **RED** with Labels.

14.7 Exterior and Interior Steps.



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14.8 Cab Shield



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

16.2 (1) set of maintenance / repair & parts manuals (Electronic Copy Is Acceptable).

16.2 KEY ALL UNITS ALIKE (Key Code Will Be Provided). FIVE Complete sets of keys per unit. **Stamp/Engrave JEA PROVIDED 5 Digit Unit Number On All Keys.**

16.3 (1) On-Site JEA Operator Orientation Classes (Complete Unit).

16.4 (1) On-Site JEA Maintenance Orientation Classes (Complete Unit).

16.5 Include a paper copy **Specification / Build Sheet / Drawings** in all units including Key Codes.

17 DRAWINGS

17.1 Drawings will be provided to JEA upon receipt of order. Drawings will include all interior and equipment layout details. Final Drawings / Layout will be approved by JEA.

18 WARRANTY

18.1 Minimum (1) One Year warranty on Chassis & All Attachments (Parts, Travel & Labor). Must include all standard manufacturer warranties.

19 OTHER REQUIREMENTS

19.1 Purchase / Install CITY License Plates.

19.2 **Install JEA Provided Branding / Decals:** You may solicit JEA's current vendor Graphics Applications Systems, at your expense.

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- 19.3 **Install JEA Provided/Required Safety Equipment:** Purple-K Fire Extinguisher (5 lb.), JEA First Aid Kit and Key Safe.
- 19.4 **Current DOT Inspection / Certification:** Complete with Decal installed lower left inside corner of windshield.
- 19.5 Must include/document the **Vin Number, Make, Model, Description, JEA PO #** and **JEA Provided 5 Digit Unit Number** on all Invoices and Change Order Invoices.



- 19.6 Reflective Roadside Triangle Warning/Hazard Kit.

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.**