

151-18 – APPENDIX A – GROUP 3
SPECIFICATION, JEA CLASS 213: Truck / 3T BUCKET

1. SCOPE

It is the intent of the JEA to purchase **FOUR (4)** 3T 4X2 EXTENDED CAB BUCKET TRUCKS. 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 25, 2019**. Liquidated Damages (\$30.00 Per Day Per Unit) start **SEPTEMBER 25, 2019**.

2. MODEL:

New, current model year production **Class-7 Extended CAB / Chassis (INTERNATIONAL 4400** or Equal **Due To Lower CAB Height Requirement**) with 55' Two Man, Insulated Ariel Attachment (ALTEC AA55E Attachment or Equal). Reference: **JEA Unit # 50713** for **General Layout/Design Details** and clarification.



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3. CAB / CHASSIS (CLASS-7). EXTENDED CAB

- 3.1 Class-7 **Single Axle** Cab/Chassis (37,000 LB GVWR).
- 3.2 **CA:** Not to Exceed **136"**.
- 3.3 **WB:** Not to Exceed **220"**.
- 3.4 **Overall Height:** From Level Ground to Highest Point on Vehicle Not to Exceed **148"**.
- 3.5 **Overall Length:** Not to Exceed **426"**.
- 3.6 Set **Max Speed** at **72 MPH**.

4. ENGINE (REQUIRE CUMMINS **ISL9 DUE TO RELIABILITY / DURABILITY)**

- 4.1 Horse Power: Minimum **330 HP**.
- 4.2 Torque Range: Minimum **750 lbs.** to **1000 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 3500.
- 5.2 PTO Provision

6. REAR AXLE (AIR RIDE)

- 6.1 **Air Ride** / 23K with manual dump valve.
- 6.2 Locking Differential.

7. FRONT AXLE (RATED FOR 37,000 GVWR)

- 7.1 14,600 lb. with Oil Bathed Bearing/Hubs.

8. TIRES

- 8.1 **REAR:** 11R 22.5 to accommodate GVWR, All Terrain Tread.
- 8.2 **FRONT:** 12R 22.5 to accommodate GVWR, All Terrain Tread.

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

- 9.1 Air Disc Brakes with Shields.
- 9.2 Anti-lock braking system.

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9.3 Automatic drain valves.

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

11.1 **CAPACITY:** Minimum 80 gallons useable fuel capacity.

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

NOTE: WIRE ALL LED STROBE LIGHTS TO ONE OEM UP-FITTER SWITCH IN CAB with Label. WIRE ALL BIN LIGHTS TO ONE OEM UP-FITTER SWITCH. WIRE ALL AREA LIGHTS TO ONE UP-FITTER SWITCH. ALL LIGHTING IS REQUIRED TO BE LED.

12.1 **Meters:** Engine hour meter, PTO 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 **OEM UP-FITTER SWITCHES/UPPER CONSOLE:** For wiring Strobe Lights, Area Lights & Etc.

12.3 **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

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- 12.4 **MASTER SWITCH WITH LOCKOUT/TAGOUT:** In Cab, (Mitigate Dead Batteries Due To GPS & Etc.). **EXAMPLE: TR**
SERIES DUAL POLE MASTER DISCONNECT SWITCH (500A • DPST • IP67/IP69k • Integrated Lockout Tagout).



- 12.5 **All Cab / Chassis Lights:** LED ONLY.
- 12.6 **4** Corner Mounted LED Strobe Sights & **2** Recessed Amber LED Strobe Lights (3" or 4" Round) mounted outside/center of Utility Body (1 on DS & 1 on PS).
- 12.7 **Auxiliary Battery Jump Ports:** Insulated remote posts protected and mounted Drivers Side underneath cab body / behind steps. (Do not mount over fuel tank!).

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- 12.8 **DC Accessory Power Outlets:** THREE 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. Power/Wire to the Auxiliary / Accessory Fuse BLOCK



- 12.9 **LED Post Mounted Spot Light,** Drivers Side.
- 12.10 **(2) LED GO-LIGHTS / Remote Controlled:** 1 mounted RF Overhead Guard & 1 mounted RR Overhead Guard.
- 12.11 **POWER PACKAGE:** Power Windows, Locks, Mirrors (Heated), Cruise Control & Tilt Wheel.
- 12.12 Factory installed air conditioner and heater.
- 12.13 Backup Camera (7" or 8" Color Monitor) and Backup Alarm.
- 12.14 AM / FM / Weather Band Stereo with Auxiliary Input and [Bluetooth/Hands Free](#).

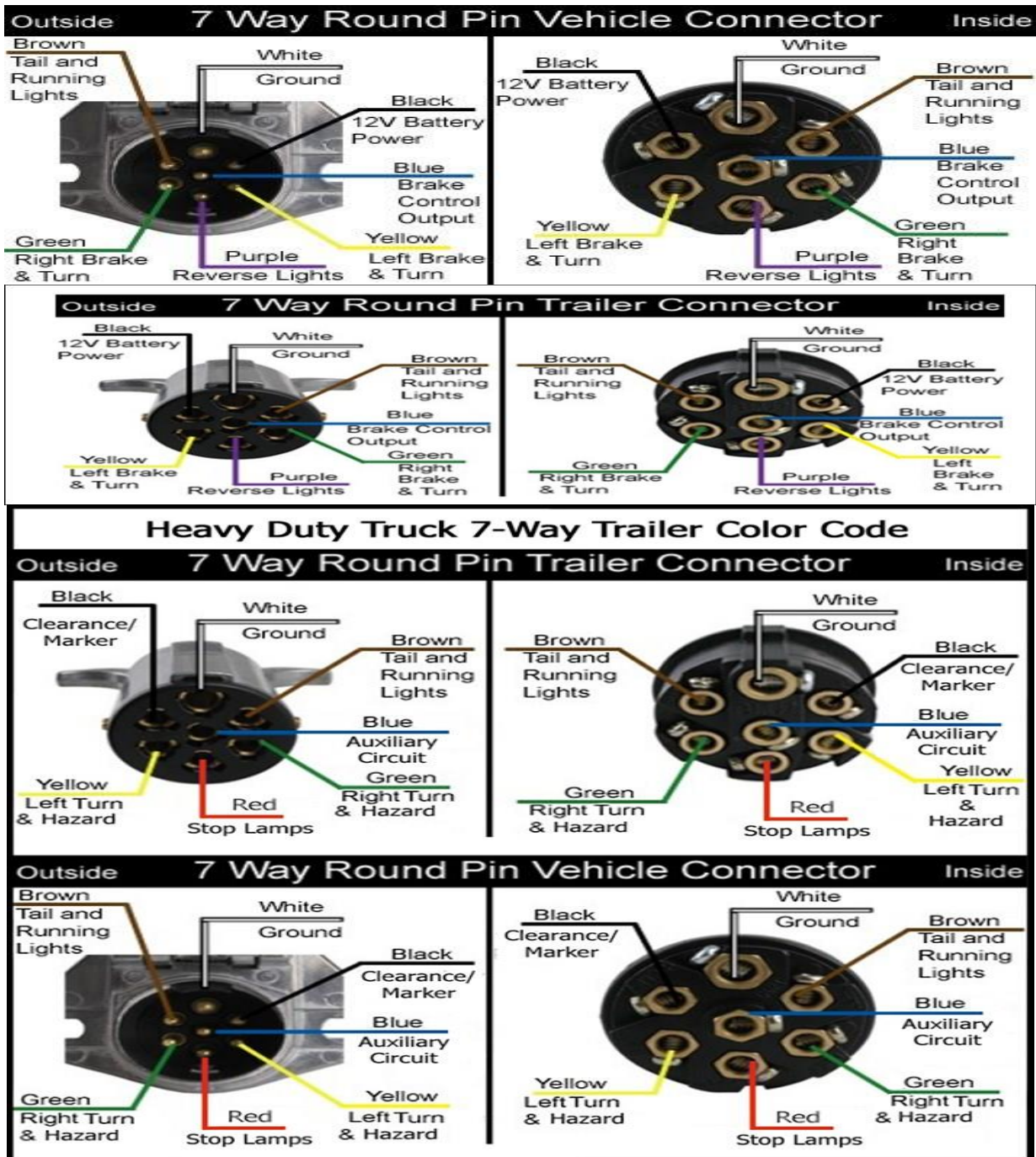
13. ADDITIONAL REQUIRED EQUIPMENT

- 13.1 Front bumper.
- 13.2 **Air Ride Driver's Seat** and **Air Ride Passengers Seat** with **Collapsible Armrest** and **Head Rest**.
- 13.3 **EXTENDED CAB REAR SEAT:** Full Width Bench Seat with Storage.
- 13.4 **Tow/Recovery Hooks:** Front & Rear.
- 13.5 (2) Two fender/hood mounted mirrors (Passenger & Drivers Side for Blind Spots).
- 13.6 **Window Tint:** driver, passenger & rear windows (Max Legal in FL).
- 13.7 **Cup Holders:** Minimum 2.
- 13.8 Interior / Forward / Roof Mounted Console with storage compartments.

14. TOWING

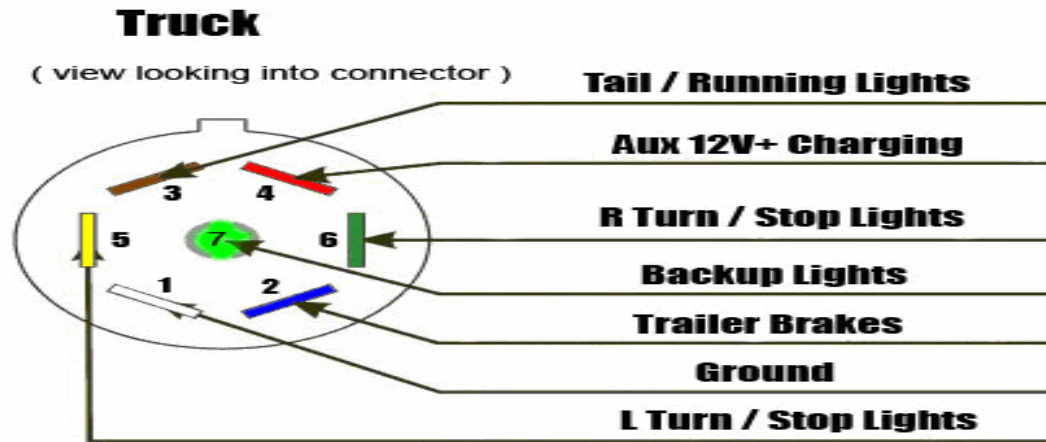
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- 14.1 **Tow PACKAGE / Pintle Hook:** Heavy Duty 25 Ton Swivel OFF ROAD and Safety Chain D-Rings
- 14.2 **Tractor Protection Valve:** Include Collapsible Glad Hands and Trailer Hand Valve.
- 14.3 **Trailer Receptacles (3 Receptacles):** 7 Pin Round Trailer Receptacle, 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)**



15. **BOOM ATTACHMENT With 2 MAN END MOUNTED INSULATED BUCKET (Altec AA55E or EQUAL).**
- 15.1 **BOOM:** 55', Ground to bottom of Platform.
 - 15.2 **SIDE REACH:** Between 42.8' and 43.2'.
 - 15.3 **WORKING HEIGHT:** Between 60' and 62'.
 - 15.4 **Extended Reach Lower Boom (180 Degree Rotator/Bucket):** Must be able to position the Bucket Ground Level (Enter/Egress from Ground Level).
 - 15.5 **DC Pump:** Secondary Stowage System (Emergency Backup).
 - 15.6 Outrigger Boom Interlock.
 - 15.7 Fiberglass Chain Saw Holder (JEA Standard). Mounting Location TBD.
 - 15.8 Hydraulic Oil Cooler.
 - 15.9 **Dual Tool Circuit:** Dripless Quick Connects & Tool Selector Valve.
 - 15.10 Platform Liner (JEA Standard).
 - 15.11 Engine Start/Stop Switch's: Platform and Lower Controls
 - 15.12 Platform/Bucket Capacity: **700LBS.**
 - 15.13 2 Lanyard Attachment Points (Painted Blue).
 - 15.14 Spring loaded platform rest with rubber pad.

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- 15.15 Automatic Boom Latch.
- 15.16 **Outriggers:** Full Hydraulic Rated for Boom Capacity with Alarms.
- 15.17 Include **Additional/Spare** Bucket, Bucket Liner & Bucket Cover.
- 15.18 Continuous Rotation

16. UTILITY BODY & CAB GUARD (REFERENCE JEA UNIT # 50713 TO CONFIRM MOUNTING LOCATIONS / DIMENSIONS)

- 16.1 Approximately 170" Long X 94" Wide X 46" High with Secondary Bin Lock System (Accommodate Pad Locks).
- 16.2 **4" Recessed Round LED Lights:** 1 mounted inside/centered Utility Bed on Drivers Side, 1 mounted inside/centered on Passenger Side & 1 mounted inside/centered Step Well on Passenger Side. (Adjust location as needed to accommodate for hydraulic tank location & bin locations).
- 16.3 **LED Body Compartment Rope Lighting:** All Utility Bins.
- 16.4 Full Cab Guard (Coated with Line X or Equal).
- 16.5 **LED Flood Lights:** adjustable & mounted to Top/Cab Guard facing cargo area.
- 16.6 **4** Polymer Outrigger Pads with Storage Compartments (Compartments Mounted Under Utility Body (2 DS & 2 PS).
- 16.7 JEA Standard Aluminum Water Keg Holder (Full Circle Aluminum).
- 16.8 **Red/White Reflective Tape:** A Shaped/JEA Standard (CHEVRON).
- 16.9 **Nonskid Coating:** All Steps & Walking Surfaces.
- 16.10 Collapsible Cone Holder (JEA Standard). Front Bumper Mounted.



- 16.11 Integrated Wheel Chock Bins with Wheel Chocks.
- 16.12 12' Ladder Rack (JEA Standard) mounted Topside of Drivers Side Body Compartment (Powder Coated / Steel).
- 16.13 Aluminum Rubber Goods Bin (JEA Standard) mounted inside utility bed, drivers side & accessible from rear of unit (16.5"H X 12"D X 76"L). Rear mounted door.
- 16.14 Aluminum Hand Wash Tank with ball valve mounted right rear of unit under bucket entry steps (5 Gallon Capacity).

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- 16.15 Bulkhead Box/Bin (56"L X 48"W X 24" High).
- 16.16 **Blanket Bin:** Blanket Bin: Top access with lockable lid mounted Inside Utility Bed / Passenger Side between Pedestal & Utility Body.
- 16.17 **24" L Tail Shelf** with 3" Steel Retaining Rail (Corner Wash Out Voids) with ICC Bumper with integrated grip strut steps. No Cable Mounted Steps.
- 16.18 **Access Steps:** Body floor & platform.
- 16.19 **Utility Body Bin Shelving, Hooks & Layout:** Reference **JE A # 50713**.
- 16.20 Gas Shock Door Holders in Body Compartments.
- 16.21 **Sprayed In Bed Liner (LINE X or Equal):** Inside Bed, Inside Bed Sides & Top of Utility Body. **Spray Inside floors of all Utility Bins up to 8" on Walls.**
- 16.22 Require recessed D-Ring Tie Downs **inside / on the sides of the utility bins** (3" to 4" From Top of Utility Body). (4) On the driver's side & (2) on the passenger side spaced evenly.
- 16.23 **Utility Body Bins & All Other Bins:** Paint Interior White.

17. ADDITIONAL EQUIPMENT REQUIRED

- 17.1 CAB Guard MOUNTED LED Strobe Lights (Top/Front Corners, PS & DS). With Guards.
- 17.2 LED Ground Lighting / Area Lights (Drivers Side, Passenger Side & Rear of Unit).
- 17.3 Doc Bumpers: fixed mounted to rear frame rails.
- 17.4 Slope Indicator Assembly.
- 17.5 Lanyard & Lanyard Storage Pouch.
- 17.6 Operator Manual Storage Pouch.

18. POWER INVERTER (2400 Watt Pure-Sine Wave)

- 18.1 Mounted Inside PS / Right Front Utility Bin. Ignition Key Hot.**
- 18.2 Weatherproof GFI 120V Dual Power Outlet mounted Right Rear of Utility Body.

19. COLOR / GRAPHICS

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

20. MANUALS, VIDEOS, KEYS & OPERATOR ORIENTATION

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- 20.1 (1) set of operator manuals per unit (HARD COPY). (1) Electronic Copy maintenance, repair & parts manuals.
- 20.2 **(5) complete sets of keys per unit (Including Attachments, Bins & Tool Boxes). Key All CAB/CHASSIS Alike (Ignition & Cab Doors). Key All Bins & Tool Boxes Alike. Stamp/Engrave JEA PROVIDED 5 Digit Unit Number On All Keys.**
- 20.3 (1) On-Site JEA Operator Orientation Class (Complete Unit Overview: Chassis & Attachments).
- 20.4 (1) On-Site JEA Maintenance Orientation Class (Complete Unit: Chassis & Attachments).
- 20.5 Include a paper copy **Specification / Build Sheet / Drawings** in all units including Key Codes.

21. DRAWINGS

- 21.1 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).

22. WARRANTY

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

23. OTHER REQUIREMENTS

- 23.1 Purchase / Install CITY License Plates.
- 23.2 Install JEA provided Branding / Decals.
- 23.3 Install JEA provided required safety equipment: purple-k fire extinguisher, first aid kit and key safe.
- 23.4 Current **DOT** Inspection / Certification with Decal installed lower left inside corner of windshield.
- 23.5 Must include/document the **Vin Number, Make, Model & Description** on all Invoices & Change Order Invoices.
- 23.6 Install **Vehicle Height Warning Placard** with Maximum Height (Feet / Inches) in cab on the dash (Drivers View).

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.**