

151-18 – APPENDIX A – GROUP 2
SPECIFICATION, JEA CLASS 212C: Truck / 3T BUCKET CUT IN

1. SCOPE

It is the intent of the JEA to purchase **TWO (2)** 3T 4X2 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 CAB / Chassis (FREIGHTLINER M2 or Equal)** with **Behind Cab Mount 40' One and One Half-Man Insulated Articulating/Telescoping** Ariel Attachment (ALTEC TA40, TEREX TL41 Attachment or Equal). Reference: **JEA Unit # 6330** for **General Layout/Design Details** and clarification.



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3. CAB / CHASSIS (CLASS-7).

- 3.1 Class-7 **Single Axle** Cab/Chassis (33,000 LB GVWR).
- 3.2 **CA:** Between **84"** and **90"**.
- 3.3 **WB:** Between **154"** and **160"**.
- 3.4 **Overall Height:** From Level Ground to Highest Point on Vehicle Not to Exceed **150"**.
- 3.5 **Overall Length:** Not to Exceed **340"**.
- 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.
- 6.3 Torsion bar stabilizer rated for Boom Attachment.

7. FRONT AXLE (RATED FOR 33,000 GVWR)

- 7.1 12,000 lb. with Oil Bathed Bearing/Hubs.
- 7.2 Torsion bar stabilizer rated for Boom Attachment.

8. TIRES

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

9. BRAKES (AIR DISC BRAKES)

- 9.1 Air Disc Brakes with Shields.

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- 9.2 Anti-lock braking system.
- 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 870 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, 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!)



- 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 **(1) LED GO-LIGHT / Remote Controlled:** Mounted RF Overhead Guard (May Relocate Per James Martin).
- 12.11 **POWER PACKAGE:** Power Windows, Locks, Mirrors (Heated), Cruise Control & Tilt Wheel.

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- 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.
- 12.15 **DIRECTIONAL LED LIGHT BAR:** Approximately 54" Wide and mounted to the Tail Shelf. Mount Controller in cab



- 12.16 CAB Guard MOUNTED LED Strobe Lights (Top/Front Corners, PS & DS) with Guards.
- 12.17 LED Ground Lighting / Area Lights (Drivers Side, Passenger Side & Rear of Unit).

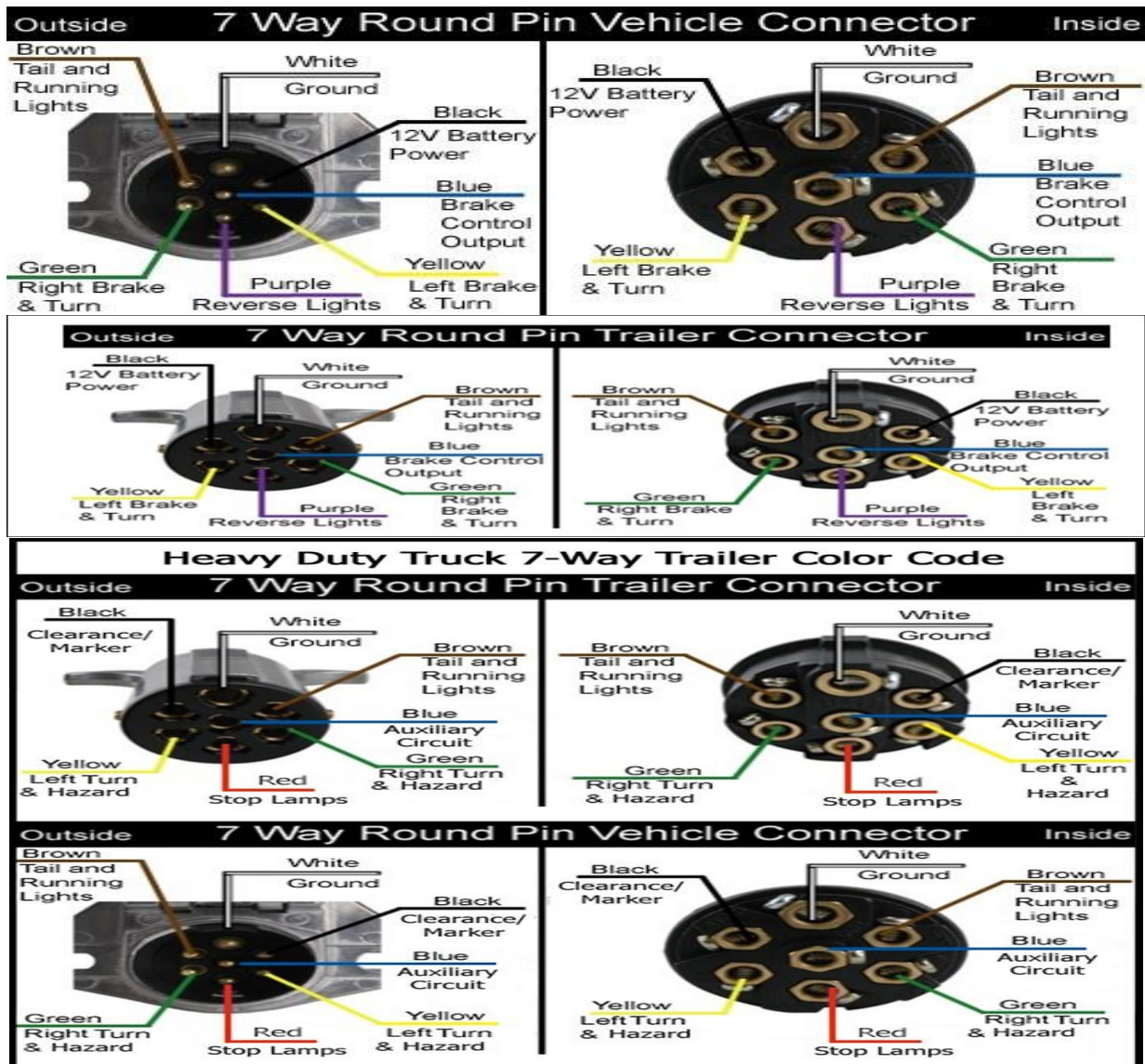
13. ADDITIONAL REQUIRED EQUIPMENT

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

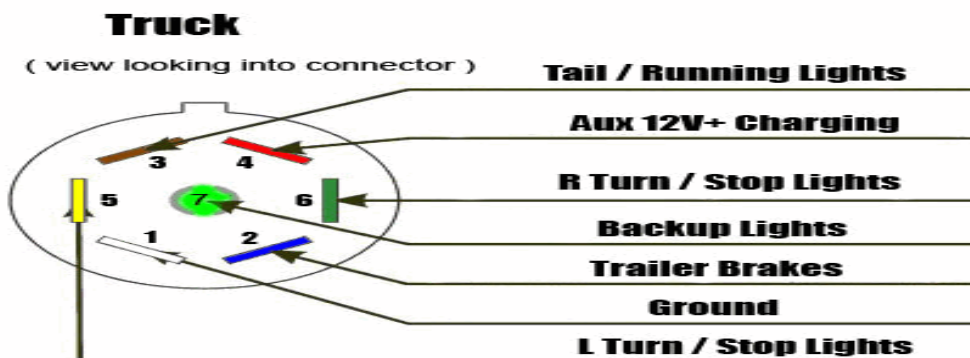
14. TOWING

- 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)**



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- 15. BOOM ATTACHMENT (CATEGORY C) with 1 and 1/2 MAN END MOUNTED INSULATED BUCKET (Altec TA40 or EQUAL).**
- 15.1 **BOOM Working Height:** Between **46 Feet** and **48 Feet**.
 - 15.2 **Side Reach:** Between **29.5'** and **33.2'**.
 - 15.3 **Boom Rotation:** By-Directional Continuous rotation with manual hex head shaft.
 - 15.4 **Lower and Upper Boom Articulation:** Minimum 0 degrees to 82 degrees and -38 degrees and 90 degrees respectively.
 - 15.5 **Platform Leveling and Rotation:** Hydraulic leveling system at upper and lower controls. 180-degree rotation controlled at upper controls.
 - 15.5 **Platform/Bucket Capacity:** 400LBS.
 - 15.6 **Upper Controls:** Single stick, 4-function nonmetallic control handle. Must be dielectrically tested between valve and handle (Additional Layer of Protection).
 - 15.7 **Lower Controls:** Individual levers / easy access at turntable (Boom Lift, Boom Extension, Platform Leveling and Boom Rotation)
 - 15.8 Include **Additional/Spare** Bucket Liner & Bucket Cover.
 - 15..9 **DC Pump:** Secondary Stowage System (Emergency Backup).
 - 15.10 **Dual Tool Circuit/Open Center** with dripless quick connects & **Tool Selector Valve** at Platform. 5 GPM at 2250 PSI at engine idle.
 - 15.11 **Hydraulics:** Open Center with 5 GPM at 725 Engine RPM and 8 GPM at 1050 Engine RPM.
 - 15.12 Platform Liner (JEA Standard).
 - 15.13 **Engine Start/Stop Switch:** Platform and Lower Controls.
 - 15.14 2 Lanyard Attachment Points (Painted Blue).
 - 15.15 Platform rest with rubber pad.
 - 15.16 Automatic Boom Latch.
 - 15.17 **Torsion Bar Stabilizers:** Rated for Boom Attachment ("**NO OUTRIGGERS**").
 - 15.18 **Holding Valves:** Required on hydraulic cylinders.
 - 15.19 **Throttle:** 2 Speed On Demand.
 - 15.20 **Red/White Reflective Tape:** BOOM TIP (CHEVRON).
 - [15.21 Include Additional Spare Bucket, Bucket Liner & Bucket Cover.](#)

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16. UTILITY BODY & CAB GUARD (REFERENCE JEA UNIT # 6330 TO CONFIRM MOUNTING LOCATIONS / DIMENSIONS)

- 16.1 Approximately 132" Long X 46" High X 94" Wide 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 **HALF Cab Guard** (Coated with Line X or Equal).
- 16.5 **LED Flood Lights:** adjustable & mounted to Top/Cab Guard facing cargo area.
- 16.6 JEA Standard 5 GALLON Aluminum Water Keg Holder, (Full Circle Aluminum).
- 16.7 **Red/White Reflective Tape:** Rear of Body and A Shaped/JEA Standard (CHEVRON).
- 16.8 **Nonskid Coating:** All Steps & Walking Surfaces.
- 16.9 **Collapsible Cone Holder** (JEA Standard). Front Bumper Mounted.



- 16.10 Integrated Wheel Chock Bins with Wheel Chocks.
- 16.11 **ALUMINUM LADDER BIN/Weatherproof with Lockable Rear Access Door:** 134"L x 25"H X 7-3/4"W mounted drivers side inside bed.
- 16.12 **Aluminum Hand Wash Tank with Ball Valve:** Mounted right rear of unit (5 Gallon Capacity).
- 16.13 **Access Steps, 26"W:** Curbside integrated with Tail Shelf.
- 16.14 **Utility Body Bin Shelving, Hooks & Layout:** Reference JEA # 6330.
- 16.15 Gas Shock Door Holders on all Body Compartment Doors.
- 16.16 **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.
- 16.17 Require recessed D-Ring Tie Downs **inside / on the sides of the utility bins** (3" to 4" From Top of Utility Body). (3) On the driver's side & (2) on the passenger side spaced evenly.

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- 16.18 **Utility Body Bins & All Other Bins:** Paint Interior White.
- 16.19 **Possum Belly Bin with Drop Down Door and Slam Latch:** 120" Stop.
- 16.20 **Rubber Fender Flares:** Rear Wheels.
- 16.21 **Utility Bins:**
- StreetSide**
 - 1st Vertical - 30"W X 46"H X 18"D
 - 2ND Vertical - 24"W X 46"H X 18"D
 - Horizontal - 54"W X 24"H X 16"D
 - Rear Vertical - 24"W X 46"H X 18"D
 - Hot Stick Shelf – 132" Long with rear dropdown door (2 Brackets)
 - CurbSide**
 - 1st Open to Sub Frame - 54"L X 8"H X 18"D (Basket)
 - Horizontal - 54"W X 24"H X 18"D
 - Rear Vertical - 24"W X 46"H X 18"D
- 16.22 **Tail Shelf:** 30"L X 94"W X 6"H (3" Lip around perimeter). Curbside Access.
- 16.23 **Reel Stands:** Behind cab/under boom with payout to the side (Reel Size: 28" Wide X 40" Diameter). 4-Way Roller Assembly mounted top of compartment.

17. ADDITIONAL EQUIPMENT REQUIRED

- 17.1 Doc Bumpers: fixed mounted to rear frame rails.
- 17.2 ICC Bumper.
- 17.3 Slope Indicator Assembly.
- 17.4 Lanyard & Lanyard Storage Pouch.
- 17.5 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.**

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