



MEMORANDUM

To: Mayor and Members of the City Council

From: Rich Olson, City Manager
Anthony Pollard, Electric Superintendent

Date: July 19, 2019

Re: Consideration – Authorize Replacement of Vehicle #3 - Digger/Derrick Truck
2019-2020 Capital Purchase

BACKGROUND:

The Electric Distribution Department has a 1993 Digger/Derrick truck that has become problematic and needs to be aged out. Over the past three years, the truck has cost the Electric Department approximately \$9,400.00 in maintenance to keep it in operation. Additionally, the truck has been in use for more than 10,063 hours.

ANALYSIS:

The 1993 Digger/Derrick vehicle is approximately 26 years old, and no longer made, making it increasingly difficult to find parts when it needs repairs. The vehicle has reached a point where it breaks down every time it is operated; it is no longer of use in its capacity. Purchase of a new Digger/Derrick truck was requested and subsequently approved as Capital Outlay for the Electric Department within the FY 2019-2020 Budget.

Bids were submitted to a number of Digger/Derrick truck manufacturers and came back as follows:

| | |
|------------|--------------|
| Terex: | \$224,301.00 |
| Altec: | \$217,487.00 |
| Versalift: | \$243,815.00 |

Specifications are attached for review.

FINANCIAL:

The Finance Committee discussed this matter during its July 18, 2019 meeting. Upon motion made by Councilwoman Young, seconded by Mayor Parker, the Committee unanimously recommended approval by the City Council.

STAFF RECOMMENDATION:

By motion, authorize purchase of the 2019 ALTEC Model DH50H Hydraulic Digger/Derrick with Freightliner M2-106 Chassis in the amount of \$217,487.00.



Quote Number:
Altec, Inc.

May 20, 2019
Our 90th Year

Ship To:
City of Elizabeth City

Bill To:
City of Elizabeth City

Attn:
Phone:
Email:

Altec Quotation Number: 475878 - 1
Account Manager: 0338 No Sales Credit
Technical Sales Rep: Jeff Atkins

| <u>Item</u> | <u>Description</u> | <u>Qty</u> | <u>Price</u> |
|-------------|--|------------|--------------|
| | <u>Unit</u> | | |
| 1. | ALTEC Model DH50H Hydraulic Derrick, built in accordance with Altec standard specifications and to include the following features: | 1 | |
| | A. Maximum Sheave Height: 50.6 ft | | |
| | B. Maximum Horizontal Reach: 41.0 ft | | |
| | C. Maximum Digging Radius: 29.0 ft | | |
| | D. Articulation: From 80 degrees above horizontal to 20 degrees below horizontal | | |
| | E. Winch: 15,000 pound bare drum capacity turntable winch with 8.625 diameter drum to comply with ANSI 10.31 Section 4.10.4 for synthetic rope or 15,000 pound bare drum capacity boom tip winch. High torque hydraulic motor drives a self-locking worm gear winch. Counterbalance valves on motor provide reliable load holding | | |
| | F. Insulated: 46 kV and below | | |
| | G. Hydraulic Overload Protection System: activates when unit is exposed to overload condition. System prevents actuation of all functions that could add to the overload condition including: -Boom Lower -Intermediate Boom Extend -Third Stage Boom Extend -Winch Raise -Auger Dig System automatically resets when overload condition is relieved. | | |
| | H. Hydraulic Side Load Protection: relieves overload conditions by allowing rotation system to back drive. | | |
| | I. System pressure gauges mounted on main control stations. | | |
| | J. Passive zone rating system with visual light indicators to show instability of unit (only when mounted on single axle chassis) | | |
| | K. Transferable Boom Flares include adjustable alignment guides. | | |
| | L. Pole Guides: proportionally controlled hydraulic cylinders drive open/close and tilt functions and include double pilot operated check valves to support poles in both tilt directions. Also includes two function pole guide interlock preventing any collisions between the pole guide and upper boom when the transferable flares are attached to the intermediate boom. | | |
| | M. Fiberglass Boom Tip with provisions for platform attachment. | | |
| | N. Two-part load line attachment point on intermediate boom. | | |

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UTILITY EQUIPMENT AND BODIES SINCE 1929

| <u>Item</u> | <u>Description</u> | <u>Qty</u> | <u>Price</u> |
|-------------|---|------------|--------------|
| O. | Full capacity fiberglass upper boom is round and is fabricated using a Centrifically Cast process that provides a smooth surface finish inside and out that is easy to clean and is highly resistant to damage. | | |
| P. | Proportional Fully-Hydraulic Control System: The pilot operated hydraulic system provides easy to operate controls with superior metering. Hydraulic control valves for Rotation, Boom Elevation, Boom Extension, Digger and Winch are fully hydraulic and controlled by a proportional pilot system which provides full metering and feathering characteristics. | | |
| R. | Hydraulic Dump Valve installed in pedestal: Provides extra protection by diverting hydraulic flow away from the main control valve when unit is idle. Dump valve solenoid is electronically activated when a function is operated. | | |
| S. | Boom Storage Protection System: switch on main boom activates hydraulic overload protection system to prevent operator from inadvertently placing excessive down force on boom stow bracket. | | |
| T. | Continuous rotation including planetary drive rotation gearbox. With booms horizontal and fully extended, unit is able to rotate a 500 lbs load on winch line at boom tip up a 5 degree slope. | | |
| U. | Manual Override of Hydraulic Functions at main control valve. | | |
| V. | Outrigger/Boom Interlock System: Prevents boom from being unstowed until outriggers have been at least partially deployed. | | |
| W. | Outrigger/Unit Selector Control: Located near the outrigger controls, allows operator to divert hydraulic oil from machine circuit for outrigger operation. This reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped. | | |
| X. | Outrigger Control Valves, located at tailshelf | | |
| Y. | Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion. | | |
| Z. | Back-up Alarm, installed | | |
| AA. | Tool outlets at tailshelf, tool control valve is integral to the outrigger control valve on the vehicle curbside. | | |
| AB. | Two (2) Operator and Maintenance/Parts Manuals containing instructional markings indicating hazards inherent in the operation of an aerial device | | |
| AC. | Painted white with Altec Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electro-statically applied to the inside as well as outside of all fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection. | | |
| AD. | Unit meets or exceeds ANSI 10.31-2006. Unit serial number placard clearly states compliance. | | |
| AE. | Unit is designed and manufactured in facilities that are certified to meet ISO 9001 requirements. | | |
| 2. | Pilot Control System | 1 | |
| 3. | Rear Mount Over Rear Axle for DH | 1 | |
| 4. | DH Traditional Swing Open Riding Seat Control Station, Rear Mount | 1 | |
| 5. | 31 - Foot throttle. Included when Altec Opti-View Control Seat is selected. | 1 | |
| 6. | No hard wired upper controls and NO TOOL CIRCUIT at boom tip | 1 | |
| 7. | 8 - Turntable Winch | 1 | |
| 8. | 11 - Normal winch speed (15,000 lbs) | 1 | |

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|---|--|------------|--------------|
| 9. | 94 - Digger, Two-Speed Mechanical Shift, 12,000 ft-lbs, includes all of the components necessary to operate digger, installed | 1 | |
| 10. | 2.50 in Hex Output Shaft With 2.50 in Hex Extension Shaft | 1 | |
| 11. | 88 - Digger - right-hand storage, viewing from boom tip - streetside for rear and corner mount, curbside for behind cab mount - normal. Includes Auger Overstow Protection System | 1 | |
| 12. | 175 - ANSI use criteria, Digger Derrick use only (no Personnel Handling) | 1 | |
| 13. | No Platform | 1 | |
| 14. | Standard Pole Guides for 18.00 in Dia Pole Maximum | 1 | |
| 15. | Derrick Tong Protectors | 1 | |
| 16. | Hydraulic Side Load Protection: relieves overload conditions by allowing rotation system to back drive. | 1 | |
| 17. | Zone Rating System | 1 | |
| 18. | Manual Hydraulic Outrigger Controls | 1 | |
| 19. | 450 - Outriggers, A-frame, folding shoe, 153 maximum spread, for use as auxiliary outriggers on all units or primary outriggers on select units | 1 | |
| 20. | 450 - Outriggers, A-frame, folding shoe, 153 maximum spread, for use as auxiliary outriggers on all units or primary outriggers on select units, includes: <ul style="list-style-type: none"> A. Maximum Spread: 153 inches measured from centerline of shoe pins B. Penetration at maximum extension: 6.5 inches (for standard installation on a 40 inch frame height) C. Standard Shoe Dimensions: 14 x 15.25 inches D. Hydraulic Outrigger Control Valves E. Outrigger/Unit Selector Control: Reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped. F. Outrigger motion alarms G. Outrigger Interlocks: Will not allow the unit to be operated until the outriggers have been at least partially deployed. | 1 | |
| <u>Unit & Hydraulic Acc.</u> | | | |
| 21. | Unit Installation Components. | 1 | |
| 22. | Dirt Auger, 18 Inch DIA, With 2-1/2 Inch Hex X 104 Inch Long (Painted Black) | 1 | |
| 23. | Winch Rope For Turntable Winch | 1 | |
| 24. | Load Line Swivel Hook, 8-1/2 Ton (Crosby) | 1 | |
| 25. | Standard Spacer between Subbase and frame for hose routing and ease of maintenance. | 1 | |

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|-------------|--|------------|--------------|
| 26. | DH Series Derrick Subbase (Rigid) | 1 | |
| 27. | Subbase Storage With Drop Down Door (Paddle Latch) At Rear | 1 | |
| 28. | Reservoir, 60 Gallon, (Altec Standard) Located next to pedestal, under riding seat. | 1 | |
| 29. | Hydraulic components needed when locating reservoir more than 86" from pump. | 1 | |
| 30. | HVI-22 Hydraulic Oil (Standard). | 65 | |
| 31. | Piston Pump, Pressure Compensated, right hand rotation, provides 46 gpm max system flow at 3000 psi max system pressure. | 1 | |
| 32. | Hot shift PTO for automatic transmission | 1 | |
| 33. | Muncie PTO (Altec Standard) | 1 | |
| 34. | Standard Altec PTO/Machine Functionality with Winch Recovery: Machine functions aren't enabled until parking brake is set.-PTO is able to be activated before parking (holding) brake is engaged.-Once parking (holding) brake is set, machine functions are enabled.-Once parking (holding) brake is disengaged, machine functions are disabled but PTO is still available. | 1 | |
| 35. | Winch Recovery Option, Winch Operates In Neutral, First And Reverse (Automatic Transmissions Only)PTO is allowed to engage in Neutral, First and Reverse (Winch Recovery). When Park Brake is applied, chassis is forced to Neutral (normal machine operation). PTO will disengage when RPM limits are exceded (chassis speed of approximately 5 mph). | 1 | |
| 36. | Braden PD18 Hydraulic Front Winch And Bumper Package. 20,000 LB Planetary, Single-Speed Winch With Tool Box And RH Extended Shaft. Includes emergency stop switch mounted near winch, with indicator light in cab. | 1 | |
| 37. | 200' Of 1/2" Winch Cable | 1 | |
| 38. | Quick Hook (5 TON) | 1 | |
| 39. | Winch Controls, Dual Location (In-Cab And Remote Mounted), Air, Single Axis Control Levers (Non-Meterable), Altec Preferred Dual Location Air Controllers | 1 | |
| 40. | Altec recommends any connection made to the tool circuit be done with Non-Conductive hose. If ordering a Hose reel, Altec recommends ordering a hose reel with Non-Conductive hose. The lower tool circuit hoses may be, or become, conductive. Death or serious injury could occur if the unit becomes energized while lower tool circuit is in use. | 1 | |
| 41. | Spring Loaded Hose Reel, 50 FT Hose Capacity Installed on tailshelf CS | 1 | |
| 42. | Install Tool Circuit For Hose Reel Installation, Below Rotation (Male Pressure, Female Return -Installed at Hose Reel) | 1 | |
| 43. | 50' Non-Conductive Hose Kit, Orange, Includes Quick Disconnects and Dust Caps (Male Pressure, Female Return) | 1 | |

Body

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| <u>Item</u> | <u>Description</u> | <u>Qty</u> | <u>Price</u> |
|-------------|---|------------|--------------|
| 44. | Altec Body | 1 | |
| 45. | Steel Body | 1 | |
| 46. | Body Is To Be Built In Accordance With The Following Altec Standard Specifications: | 1 | |
| | A. Basic Body Fabricated From A40 Grade 100% Zinc Alloy Coated Steel. | | |
| | B. All Doors Are Full, Double Paneled, Self-Sealed With Built-In Drainage For Maximum Weather-Tightness. Stainless Steel Hinge Rods Extend Full Length Of Door. | | |
| | C. Heavy-Gauge Welded Steel Frame Construction. | | |
| | D. Integrated Door Header Drip Rail At Top For Maximum Weather Protection. | | |
| | E. Fender Panels Are Either Roll Formed Or Have Neoprene Fenderettes Mechanically Fastened. | | |
| | F. Steel Treated For Improved Primer Bond And Rust Resistance. | | |
| | G. Automotive Type Non-Porous Door Seals Fastened To The Door Facing. | | |
| | H. B-Line Channel Installed In Compartments | | |
| 47. | Smooth Galvanneal Steel Floor | 1 | |
| 48. | Bobtail Service Line With Step (BSLS) | 1 | |
| 49. | Finish Paint Body Altec White | 1 | |
| 50. | Undercoat Body | 1 | |
| 51. | 144" Estimated Body Length (Engineering To Determine Final Length) | 1 | |
| 52. | 94" Body Width | 1 | |
| 53. | 46" Body Compartment Height | 1 | |
| 54. | 18" Body Compartment Depth | 1 | |
| 55. | 5.5 Inch Drop-In Wood Cargo Retaining Board At Rear Of Body | 1 | |
| 56. | 5.5 Inch Drop-In Wood Cargo Retaining Board At Top Of Side Access Step | 1 | |
| 57. | Stainless Steel Rotary Paddle Latches With Keyed Locks | 7 | |
| 58. | All Locks Keyed Alike Including Accessories (Preferred Option) | 1 | |
| 59. | Standard Master Body Locking System (Standard Placement Is At Rear. Sidepacks With A Throughshelf/Hotstick Door At Rear, Standard Placement Is At The Front) | 7 | |
| 60. | Gas Shock (Gas Spring) Rigid Door Holders On All Vertical Doors | 1 | |
| 61. | Chains On All Horizontal Doors | 1 | |
| 62. | One Chock Holder On Each Side of Body With Retaining Lip In Fender Panel | 1 | |
| 63. | Hotstick Shelf Extending Full Length Of Body On Streetside | 1 | |
| 64. | Two Hotstick Brackets On Streetside | 1 | |
| 65. | Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel | 1 | |

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|--|--|------------|--------------|
| | Slam Paddle Latch With Keyed Lock | | |
| 66. | 1st Vertical (SS) - Adjustable Shelf With Removable Dividers On 4" Centers | 3 | |
| 67. | 2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall | 1 | |
| 68. | 2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall | 4 | |
| 69. | 2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall | 1 | |
| 70. | 3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall | 1 | |
| 71. | 3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall | 4 | |
| 72. | 3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall | 1 | |
| 73. | 1st Horizontal (SS) - Fixed Shelf With Slots, No Dividers Provided | 1 | |
| 74. | 1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall | 1 | |
| 75. | 1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall | 4 | |
| 76. | 1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall | 1 | |
| 77. | 2nd Vertical (CS) - Gripstrut Access Steps With Two (2) Sloped Grab Handles | 1 | |
| 78. | 3rd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall | 2 | |
| 79. | 3rd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall | 2 | |
| 80. | 3rd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall | 2 | |
| 81. | 1st Horizontal (CS) - Adjustable Shelf With Removable Dividers On 8" Centers | 2 | |
| 82. | 34" L Steel Tailshelf, Width To Match Body | 1 | |
| 83. | 3" Fixed Steel Retaining Rail On Sides And Rear Of Tailshelf With Corner Wash-Out | 1 | |
| 84. | Smooth Galvanneal Steel Tailshelf | 1 | |
| <u>Body and Chassis Accessories</u> | | | |
| 85. | ICC (Underride Protection) Bumper Installed At Rear | 1 | |
| 86. | Swivel Style Pintle Hitch (30 000 LB MGTW with 6 000 LB MVL), 11-Bolt T-Mount, Altec Preferred (T-125 Style) | 1 | |
| 87. | Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount. | 1 | |
| 88. | Glad Hands At Rear, Straight Type | 1 | |
| 89. | Rigid Step Mounted Beneath Side Access Steps (Installed To Extend Approx. 2" Outward) | 1 | |
| 90. | Riding Seat Access Step (For Derricks) | 1 | |

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|--------------------------------------|--|------------|--------------|
| 91. | Compartment Top Access Step from Body Floor | 1 | |
| 92. | Lower Boom Rest Weldment | 1 | |
| 93. | Mounting Brackets for Lights, Located on Lower Boom Rest | 1 | |
| 94. | Wood Outrigger Pad, 24" x 24" x 2.5", with Rope Handle | 4 | |
| 95. | Outrigger Pad Holder, 25" L x 25" W x 5" H, Fits 24.5" x 24.5" x 4" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer | 4 | |
| 96. | Pendulum Retainers For Outrigger Pad Holders | 4 | |
| 97. | Mud Flaps With Altec Logo (Pair) | 1 | |
| 98. | Wheel Chocks, Rubber, 9.75" L x 7.75" W x 5.00" H, with 4" L Metal Hairpin Style Handle (Pair) | 1 | |
| 99. | Dock Bumpers (Pair), Fixed Mounting (Rectangular Bumper), Installed At Rear | 1 | |
| 100. | Slope Indicator Assembly For Machine With Outriggers | 1 | |
| 101. | Pole Rack, Two Pole Capacity With Ratchet Tie Binders (Fixed at Rear) Installed on SS - Ratchets must be accessible from ground | 1 | |
| 102. | Secondary Boom Saddle For Offset Stowing Of Derrick Due To Pole Rack | 1 | |
| 103. | Triangular Reflector Kit, Installed | 1 | |
| 104. | 5 LB Fire Extinguisher With Light Duty Bracket, Shipped Loose | 1 | |
| 105. | Vinyl manual pouch for storage of all operator and parts manuals | 1 | |
| 106. | Outrigger Control Guards- Underhung Tailshelf Mount | 1 | |
| <u>Electrical Accessories</u> | | | |
| 107. | Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights) | 1 | |
| 108. | Altec Standard Amber LED Strobe Light with Brush Guard Installed on boom stow | 2 | |
| 109. | Dual Tone Back-Up With Outrigger Motion Alarm | 1 | |
| 110. | Altec Standard Multi-Point Grounding System | 6 | |
| 111. | Copper U Shaped Grounding Lug (Threaded) installed on CS, front and rear | 2 | |
| 112. | 7-Way Trailer Receptacle (Pin Type) Installed At Rear | 1 | |
| 113. | Electric Trailer Brake Controller (Kelsey Hayes #81741) | 1 | |
| 114. | Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches | 1 | |

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|---------------------------------|--|------------|--------------|
| 115. | Pre-Wire Power Distribution Module (Includes Operators Manual) | 1 | |
| 116. | Install Outrigger Interlock System | 1 | |
| <u>Finishing Details</u> | | | |
| 117. | Finish Paint Body Accessories Above Body Floor Altec White | 1 | |
| 118. | Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc. Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders. | 1 | |
| 119. | Apply Non-Skid Coating to all walking surfaces | 1 | |
| 120. | English Safety And Instructional Decals | 1 | |
| 121. | Vehicle Height Placard - Installed In Cab | 1 | |
| 122. | Placard, HVI-22 Hydraulic Oil | 1 | |
| 123. | Dielectric test unit according to ANSI requirements. | 1 | |
| 124. | Stability test unit according to ANSI requirements. | 1 | |
| 125. | Completed Test Forms To Be Included In The Manual Pouch | 1 | |
| | A. Stability Test Form | | |
| | B. Dielectric Test Form (For Insulated Units) | | |
| 126. | DOT Certification Required Altec Industries, Inc. 33 Inverness Center Pkwy Ste 100 Birmingham, AL 35242 | 1 | |
| 127. | Focus Factory Build | 1 | |
| 128. | Delivery Of Completed Unit | 1 | |
| 129. | Demo Unit | 1 | |
| 130. | Inbound Freight | 1 | |
| 131. | As Built Electrical And Hydraulic Schematics To Be Included In The Manual Pouch | 1 | |
| 132. | DH50H-TR FA Installation | 1 | |
| 133. | Stock Unit | 1 | |
| <u>Chassis</u> | | | |
| 134. | Chassis | 1 | |

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|-------------|--|------------|--------------|
| 135. | Altec Supplied Chassis | 1 | |
| 136. | 2019 Model Year | 1 | |
| 137. | Freightliner M2-106 | 1 | |
| 138. | 4x2 | 1 | |
| 139. | 121 Clear CA (Round To Next Whole Number) | 1 | |
| 140. | Regular Cab | 1 | |
| 141. | Chassis Cab | 1 | |
| 142. | Cummins B6.7 | 1 | |
| 143. | 250 HP Engine Rating | 1 | |
| 144. | Allison 3500 RDS Automatic Transmission (Left and Right Side PTO Openings Only) | 1 | |
| 145. | GVWR 33,000 LBS | 1 | |
| 146. | 14,600 LBS Front GAWR | 1 | |
| 147. | Spring Suspension | 1 | |
| 148. | 21,000 LBS Rear GAWR | 1 | |
| 149. | Air Brakes | 1 | |
| 150. | Park Brake In Rear Wheels | 1 | |
| 151. | 016-1C3 - Freightliner Horizontal Exhaust (Right-Horizontal-Under Cab-Horizontal) | 1 | |
| 152. | Freightliner - Clear Area Around Allison PTO Openings (362-1Y0) and (363-011) | 1 | |
| 153. | Freightliner - Electric Brake Controller Wiring With Combined Stop/Turn Signal Heavy Duty Tail Light Wiring At EOF (296-027) | 1 | |
| 154. | Freightliner - Radiator (950 Square Inch) for ISB/B.7 or DD8.1 (SS) (266-078) | 1 | |
| 155. | Freightliner - Rear Cab Crossmember Flush With Back Of Cab (561-010) | 1 | |
| 156. | Freightliner PTO Throttle Wiring for Automatic Transmission with Pre-Wire (163-001), (148-074), (87L-003) | 1 | |
| 157. | Freightliner Transmission Dipstick Relocated to RH Side of Transmission (346-013) | 1 | |
| 158. | Freightliner/Allison Body Builder Connection with Pre-Wire (34C-002) | 1 | |
| 159. | Freightliner - Pre-Wire Chassis with Cab Backwall Pass-Thru (33U-001) | 1 | |
| 160. | No Idle Engine Shut-Down Required | 1 | |
| 161. | 50-State Emissions | 1 | |
| 162. | Clean Idle Certification | 1 | |

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| 163. | 204-215 Freightliner 50 Gallon Fuel Tank (Left Hand Under Cab) | 1 | |
| 164. | 23U-001, 43X-002 Freightliner 6 Gallon DEF Tank (Under Cab Left Hand) | 1 | |
| 165. | Chassis Without Front Frame Extensions | 1 | |
| 166. | Battery Under Cab Left Hand | 1 | |
| 167. | Air Horn Under Cab | 1 | |
| 168. | AM/FM Radio | 1 | |
| 169. | Trailer Air Brake Package | 1 | |
| 170. | Vinyl Bucket Seat | 1 | |
| 171. | Vinyl Split Bench Seat | 1 | |

Additional Pricing

| | | | |
|------|---|---|--|
| 172. | Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty | 1 | |
|------|---|---|--|

| | |
|-----------------------------|------------|
| Unit / Body / Chassis Total | 217,487.00 |
| FET Total | 0.00 |
| Total | 217,487.00 |

Altec Industries, Inc.

BY _____

Jeff Atkins

Notes: