

RESOLUTION NO. 2020 - 476

A RESOLUTION AUTHORIZING THE PURCHASE OF AN OVERCENTER ARTICULATING AERIAL DEVICE WITH MATERIAL HANDLING, MODEL AN55E-OC FROM ALTEC INDUSTRIES INC., PLAINS, PA, IN THE AMOUNT NOT TO EXCEED \$226,709.00, PURSUANT TO A NATIONAL COOPERATIVE CONTRACT AGREEMENT WITH SOURCEWELL.

WHEREAS, the Vineland Municipal Electric Utility – Distribution Division desires to purchase an Overcenter Articulating Aerial Device with Material Handling, Model AN55E-OC; and;

WHEREAS, the City of Vineland is a member of a National Cooperative Purchasing Program known as Sourcewell; and,

WHEREAS, Sourcewell, the National Cooperative Purchasing Program has acted as lead agency and awarded Contract #012418-ALT; and,

WHEREAS, N.J.S.A. 52:34-6.2 permits the City of Vineland to purchase of an Overcenter Articulating Aerial Device with Material Handling, Model AN55E-OC using the offered National Cooperative Contract without public bidding, subject to the submittal and acceptance of certain documentation by Altec Inc.; and

WHEREAS, the City of Vineland intends under Sourcewell - Contract #012418-ALT, to purchase from Altec Inc., Plains, PA, an Overcenter Articulating Aerial Device with Material Handling, Model AN55E-OC, in an amount not to exceed \$226,709.00 as listed in the Quotation, dated October 27, 2020, made available through the Sourcewell.

WHEREAS the Director of Municipal Utilities and the Qualified Purchasing Agent, with the concurrence of the Business Administrator, recommend the use of the National Cooperative Pricing through Sourcewell for this procurement;

WHEREAS, the City of Vineland Purchasing Agent has determined that the use of the offered National Cooperative Contract will result in cost savings after all factors, including charges for service, material and delivery have been considered and has verified that such equipment is not available through State Contract awarded by the Division of Purchase and Property in the New Jersey Department of the Treasury pursuant to N.J.S.A. 40A:11-12; and

WHEREAS, the availability of funds for said purchase to be awarded herein have been certified by the Chief Financial Officer; and

WHEREAS, the City of Vineland has certified that this meets the statute and regulations governing the award of said contracts;

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF VINELAND, that the Purchasing Agent is authorized to prepare a purchase order for an Overcenter Articulating Aerial Device with Material Handling, Model AN55E-OC in an amount not to exceed \$226,709.00.

BE IT FURTHER RESOLVED that the purchase order shall contain a requirement that “the vendor shall maintain all documentation related to products, transactions or services under this contract for a period of five years from the date of final payment. Such records shall be made available to the New Jersey Office of the State Comptroller upon request”.

Adopted:

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President of Council

ATTEST:

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City Clerk

REQUEST FOR RESOLUTION  
FOR COOPERATIVE CONTRACT AWARDS  
UNDER 40A:11-12, N.J.A.C. 5:34-7.29 & LFN 2012-10  
(REQUIRED FOR PURCHASES OVER \$17,500.00)



FOR ELECTRIC DISTRIBUTION

11-2-2020  
(DATE)

1. Goods or Services (detailed description): OVERCENTER ARTICULATING AERIAL DEVICE WITH MATERIAL HANDLING MODEL AN55E-OC

2. Amount to be Awarded: \$ 226,709

- Encumber Total Award  
 Encumber by Supplemental Release

3. Budgeted: By Ordinance No. \_\_\_\_\_  
Or Grant: Title & Year \_\_\_\_\_

4. \*\*Account Number to be Charged: 0-05-55-512-9003-52000-E392

5. Contract Period (if applicable): \_\_\_\_\_

6. Date to be Awarded: \_\_\_\_\_

7. Recommended Vendor and Address: ALTEC INDUSTRIES  
250 LAIRD ST  
PLACES PA 18705

8. Justification for Vendor Recommendation: (attach add'l information for Council review)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Type of Contract:  State  National  Regional  County

Vendor's Cooperative Contract # Sourcewell 012418-ALT

9. Evaluation Performed by: Don Schmitt

10. Approved by: John Lelle

11. Attachments:

- Awarding Proposal  
 Other: \_\_\_\_\_

- Send copies to:  
Purchasing Department  
Business Administration

\*\*If more than one account #, provide break down

Quoted for: City of Vineland

Altec Account Manager: Phil Vierno  
Phone: 201-249-0257 / Email: Phil.Vierno@Altec.com  
Quoted by: Karen Barbini

**REFERENCE ALTEC MODEL**

<b>AN55E-OC</b>	<b>Overcenter Articulating Aerial Device with Material Handling, Extended Side Reach with X-Frame Outriggers (Insulated)</b>	<b>\$185,060</b>
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**(A.) SOURCEWELL OPTIONS ON CONTRACT (Unit)**

1			
2			
3			
4			

**(A1.) SOURCEWELL OPTIONS ON CONTRACT (General)**

1	HRS	HOSE REEL. Spring Loaded for Mounting 25' Conductive Hoses with HTMA Quick Couplings that Come with the Lower Tool Circuit. When it is an available option, Lower Tool Circuit Must be Ordered Separately.	\$1,419
2	LTC	LOWER TOOL CIRCUIT	\$382
3	SPOT3	FOUR (4) POINT STROBE SYSTEM (LED)	\$573
4	VCAM	Backup Camera System	\$852
5	TBE	ELECTRIC TRAILER BRAKE CONTROLLER. Controls Trailers with Electric Brakes	\$238
6	SPOT6	Remote Spot Light, LED, Permanent Mount, With Wireless Dash Mounted Controls	\$723
7			
8			
<b>SOURCEWELL OPTIONS TOTAL:</b>			<b>\$189,247</b>

**(B.) OPEN MARKET ITEMS (Customer Requested)**

1	UNIT		
2	UNIT & HYDRAULIC ACC		
3	BODY	Altec Model ASLS steel service body, per specs	\$15,172
4	BODY & CHASSIS ACC	Body accessories, per specs	\$2,890
5	ELECTRICAL	Electrical accessories, per specs	\$7,831
6	FINISHING	Finishing details, per specs	\$3,317
7	CHASSIS	2022 Freightliner M2 106 4x 2 Chassis	\$3,445
8	OTHER	5 year extended warranty - Labor and Material (NO TRAVEL)	\$3,607
<b>OPEN MARKET OPTIONS TOTAL:</b>			<b>\$36,262</b>

**SUB-TOTAL FOR UNIT/BODY/CHASSIS: \$225,509**  
**Delivery to Customer: \$1,200**  
**TOTAL FOR UNIT/BODY/CHASSIS: \$226,709**

**(C.) ADDITIONAL ITEMS (items are not included in total above)**

1		WAI-45F CUM 2017 B6.7: HD1 MD DTY 5 YEARS / 250,000 MILES / 402,500 KM EXTENDED WARRANTY. FEX APPLIES	\$1,650
2		WAI-45K CUM 2017 B6.7: HD1 MD DTY 6 YEARS / 250,000 MILES / 402,500 KM EXTENDED WARRANTY. FEX APPLIES	\$2,165
3		WBB-268 TC4: MD MODERATE 5 YEARS/250,000 MILES / 402,500 KM EXTENDED TRUCK COVERAGE. FEX APPLIES	\$3,750
4		WBB-745 TC4: MD MODERATE 6 YEARS/250,000 MILES/402,500 KM. EXTENDED TRUCK COVERAGE FEX APPLIES	\$4,070

\*\*Pricing valid for 45 days\*\*

**NOTES**

**PAINT COLOR:** White to match chassis, unless otherwise specified  
**WARRANTY:** Standard Altec Warranty for Aerials and Derricks - One (1) year parts warranty One (1) year labor warranty Ninety (90) days warranty for travel charges (Mobile Service) Limited Lifetime Structural Warranty. Chassis to include standard warranty, per the manufacturer.  
**TO ORDER:** To order, please contact the Altec Account Manager listed above.  
**CHASSIS:** Per Altec Commercial Standard  
**DELIVERY:** No later than 300-330 days ARO, FOB Customer Location  
**TERMS:** Net 30 days  
**BEST VALUE:** Altec boasts the following "Best Value" features: Altec ISO Grip Controls for Extra Protection, Only Lifetime Warranty on Structural Components in Industry, Largest Service Network in Industry (Domestic and Overseas), Altec SENTRY Web/CD Based Training, Dedicated/Direct Gov't Sales Managers, 24/7 Service Team, and more. **Altec is the only company that comes with Every Order.**



October 29, 2020  
Our 91st Year

**Ship To:**  
CITY OF VINELAND (NJ)  
PO BOX 1508  
ATTN ACCOUNTS PAYABLES  
VINELAND, NJ 08362-1508  
US

**Bill To:**  
CITY OF VINELAND (NJ)  
PO BOX 1508  
ATTN ACCOUNTS PAYABLES  
VINELAND, NJ 08362-1508  
United States

Attn:  
Phone: 856-794-4000  
Email:

**Altec Quotation Number:** 744796 - 2  
**Account Manager:** Philip Vierno  
**Technical Sales Rep:** Karen Barbini

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	Altec Model AN55E-OC Articulating Overcenter Aerial Device with a fiberglass upper boom and fiberglass insulator in the lower boom and a proportional joystick upper control and toggle switches. Built in accordance to ALTEC's standard specifications and to include the following features:  <ul style="list-style-type: none"> <li>A. Ground to Bottom of Platform Height: 56.5 ft at 0 ft from centerline of rotation (17.2 m at 0 m)</li> <li>B. Working Height: 61.5 ft (18.7 m)</li> <li>C. Maximum reach to edge of platform: 43.1 ft at 28.6 ft platform height (13.1 m at 8.7 m)</li> <li>D. Rotation: Continuous</li> <li>E. Upper Boom Articulation: 0 to 196 degrees. Insulator provides a minimum of 156 in (396 mm) of isolation.</li> <li>F. Lower Boom Articulation: 0 to 120 degrees. Insulator provides a minimum of 24 in (610 mm) of isolation.</li> <li>G. Lower boom stow protection to help prevent excessive down pressure by boom structures when stowing.</li> <li>H. Upper Controls: The upper controls system includes a proportional joystick upper control and toggle switches.</li> <li>I. The Altec ISO-Grip System (U.S. Patent No. 7,416,053) includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system. Control Handle is a single handle controller incorporating high electrical resistance components that is dielectrically tested to 40 kV AC with no more than 400 microampers of leakage. The control handle is green in color to differentiate it from other non-tested controllers. The handle also includes an interlock guard that reduces the potential for inadvertent boom operation. Auxiliary control covers are non-tested blue silicon covers. The control console in non-tested non-metallic control console plate. The boom tip covers are non-tested non metallic and are not dielectrically tested, but they may provide some protection against electrical hazards.</li> <li>J. Lower Controls: A lower control station is located on the curb side of the turntable with the control valves under a protective cover. A selector valve at the lower</li> </ul>	1

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Item	Description	Qty
	control station is provided to override the upper controls.	
K.	Control purging system contains a continuous automatic purge feature, which provides for oil flow through the control system, to eliminate trapped air. This feature is operational any time the selector at the lower controls is in the upper control position and the pump is operating.	
L.	The platform is leveled by a single leveling chain with fiberglass rods in upper and lower boom, designed to maintain the dielectric integrity of the aerial device. Controls for tilting the platform are located at the platform. The mechanism for tilting the platform includes one dual acting cylinder incorporating counterbalance load holding valves to lock the platform in the event of hydraulic line failure.	
M.	Outrigger/boom interlock system prevents boom from being unstowed until outriggers have been at least partially deployed.	
N.	Outrigger/Unit selector control is 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.	
O.	Outrigger motion alarm provides audible alarm when any of the outriggers are in motion.	
P.	Diagnostic Pressure Test Quick Disconnect Couplings: are located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system and tool circuit pressure. This convenient troubleshooting feature saves time and reduces the risk of high pressure oil sprays.	
Q.	Unit meets or exceeds ANSI 92.2 standards.	
2.	375 - Automatic stow system	1
3.	217- Single, two-man platform mounted on curbside, 24 x48 x 42 inches (610 x 1219 x 1067 mm). Platform is rated at 700 pounds (317.5 kg) and rotates 90 degrees to end of boom. Includes two sets of quick disconnect couplings and controls for hydraulic tools. Includes hydraulically articulating and extending material handling jib with winch and rope mounted on opposite side of upper boom.	1
A.	Material handling jib capacity is in addition to platform capacity. Jib and winch system includes hydraulic tool lines in boom to furnish 8.0 gpm at 2,000 psi (30.3 lpm/13 800 kPa) and includes:	
B.	Material handling, hydraulically articulated jib, -30 degree to +90 degree tilt angle (relative to the upper boom). Jib also extends from 43 to 67 inches ( 1092 x 1702 mm) in five pinning positions.	
C.	One (1) piece 4.0 inch (101.6 mm) square jib	
D.	Hydraulically powered winch rated to 2,000 pounds (907.2 kg) full drum, mounted on the side of the upper boom	
E.	80 feet of 7/16 inch (24.4 m of 11.1 mm) double-braided synthetic rope	
F.	Control valves at platform for hydraulic tools, platform rotation, jib tilt, jib extend and winch control	
G.	Auxiliary winch line control valve and platform rotation valve at the turntable to allow rescue	
H.	Valve at boom tip relieves pressure from quick disconnect couplings in Off position. Open-center or closed-center tools may be operated from tool circuit	
I.	Fiberglass covers	
4.	259 Polyethylene platform liner for two man platform, 50 kV rating (minimum)	1
5.	Electric Over Hydraulic Outrigger Controls	1
6.	315 Engine start/stop with Secondary Stowage System, 12 VDC electric powered.	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	Includes auxiliary pump and electric motor, powered by the chassis battery. Control is captive air operated from the platform and toggle switch operated from the lower controls. This option allows the operator to completely stow the booms and platform in a situation wherein the engine, PTO or pump fails.	
7.	319 - Category C 46 kV and below	1
8.	460 - Outrigger X-Frame with flat shoe - 172.8 inch max spread	1
9.	241 - Outrigger A-Frame with Flat-shoe - provides 149 inch (3785 mm) maximum spread outside to outside of shoe.	1
10.	Powder coat unit Altec White.	1
11.	Custom Option 2" Outrigger Extensions on front and rear outriggers.	1
<b><u>Unit &amp; Hydraulic Acc.</u></b>		
12.	Unit Installation Components.	1
13.	Platform Cover, 24 X 48, Soft Vinyl	1
14.	Hook, Material Handling, 1-Ton With Latch, Installed On End Of Aerial Winch Line	1
15.	Reservoir, 30 Gallon, Triangular, Mounted in Cargo Area	1
	<ul style="list-style-type: none"> <li>A. Internal return filter, 10 micron absolute, fiberglass media</li> <li>B. Ball valves in suction and return lines.</li> <li>C. Magnetic suction strainer.</li> <li>D. Filler/breather cap with dipstick.</li> </ul>	
16.	AA/AN 50/55/50E/55E/60/60E AN46-OC/50-OC/55-OC/46E-OC/50E-OC/55E-OC Subbase	1
17.	HVI-22 Hydraulic Oil (Standard).	38
18.	Standard Pump For PTO	1
19.	Hot shift PTO for automatic transmission	1
20.	Muncie PTO (Altec Standard)	1
21.	Standard Altec PTO/Machine Functionality: PTO won't engage until parking brake is set.-Once parking (holding) brake is set, PTO and machine functions are enabled.-If parking (holding) brake is disengaged, both PTO and machine functions are disabled.	1
22.	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
23.	Spring Loaded Hose Reel, 50 FT Hose Capacity mounted on tailshelf, curbside.	1
24.	Install Tool Circuit For Hose Reel Installation, Below Rotation (Male Pressure, Female Return -Installed at Hose Reel)	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
25.	25' Non-Conductive Hose Kit, Orange, Includes Quick Disconnects and Dust Caps (Male Pressure, Female Return)	1
	<u>Body</u>	
26.	Altec Body	1
27.	Steel Body	1
28.	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	
29.	Smooth Galvanneal Steel Floor	1
30.	Aerial Service Line With Step (ASLS)	1
31.	Finish Paint Body Altec White	1
32.	Undercoat Body	1
33.	170" Estimated Body Length (Engineering To Determine Final Length)	1
34.	94" Body Width	1
35.	46" Body Compartment Height	1
36.	18" Body Compartment Depth	1
37.	5.5 Inch Drop-In Wood Cargo Retaining Board At Rear Of Body	1
38.	5.5 Inch Drop-In Wood Cargo Retaining Board At Top Of Side Access Step	1
39.	Adhesive Strip Lighting (LED) Around Top And Sides Of Compartment Door Facings	9
40.	Stainless Steel Rotary Paddle Latches With Keyed Locks	9
41.	All Locks Keyed Alike Including Accessories (Preferred Option)	1
42.	Standard Master Body Locking System (Standard Placement Is At Rear. Sidepacks With A Throughshelf/Hotstick Door At Rear, Standard Placement Is At The Front)	9
43.	Gas Prop Rigid Door Holders On All Vertical Doors	1
44.	Chains On All Horizontal Doors	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
45.	One Chock Holder On Each Side of Body With Retaining Lip In Fender Panel	1
46.	Hotstick Shelf Extending From Rear Of First Vertical To Rear Of Body On Streetside	1
47.	Two Hotstick Brackets On Streetside	1
48.	Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel Slam Paddle Latch With Keyed Lock	1
49.	1st Vertical (SS) - Adjustable Shelf With Removable Dividers On 4" Centers	3
50.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1
51.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	4
52.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1
53.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1
54.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	4
55.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1
56.	1st Horizontal (SS) - Fixed Shelf Extending Through Rear Vertical	1
57.	Rear Vertical (SS) - Outrigger Housing, With Outrigger Pin Access As Needed	1
58.	1st Vertical (CS) - Adjustable Shelf With Removable Dividers On 4" Centers	3
59.	1st Vertical (CS) - Louvered Panel On Rear Wall To Ventilate Compartment	1
60.	1st Vertical (CS) - Inverter Storage Inside Of Body Compartment With Guard And Provisions For Remote GFCI Receptacle (Mounted On Top Shelf Unless Otherwise Specified)	1
61.	2nd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1
62.	2nd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	4
63.	2nd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1
64.	3rd Vertical (CS) - Gripstrut Access Steps With Two (2) Sloped Grab Handles, Vented Battery Storage (Keyed Lock)	1
65.	1st Horizontal (CS) - Adjustable Shelf With Removable Dividers On 8" Centers	2
66.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1
67.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3
68.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1
69.	Rear Vertical (CS) - Outrigger Housing, With Outrigger Pin Access As Needed	1
70.	24" L Steel Tailshelf, Width To Match Body	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
71.	3" Fixed Steel Retaining Rail On Sides And Rear Of Tailshelf With Corner Wash-Out	1
72.	Platform Rest Socket Installed On Rear Of Tailshelf	1
73.	Smooth Galvanneal Steel Tailshelf	1
74.	Custom Ladder Storage (Please Specify The Following: Style, Material, Easy Retrieval Method, Retaining Method, Approximate Dimensions) Ladder box, 8 1/4" H X 20" W X 132" L, steel, powder coated white. Mounted streetside on top of body compartments.	1
75.	Additional Body Option Storage box, 12" H X 18" W X 70" L, steel, powder coated white, with one (1) lid with gripstrut on top. Mounted on top of compartments, curbside. Piece of Gripstrut to be added forward of box on side pack, 18" wide x 24" long.  To have gatorhyde on top of and inside box.	1
76.	Additional Body Option Storage box, 12" H X 18" W X 132" L, with two (2) lids and gas props. Steel, powder coated white. Mounted on top of ladder box, streetside.  Gatorhyde on top and inside of box.	1
77.	Additional Body Option Storage box, 12" H X 12" W X 90" L, steel, mounted underbody, streetside to curbside, at rear, aft of outriggers, with doors on both sides. Doors to open toward front of truck.. To be powder coated white. Gatorhyde to be inside of box.	1

**Body and Chassis Accessories**

78.	ICC (Underride Protection) Bumper Installed At Rear	1
79.	Swivel Style Pintle Hitch (30 000 LB MGTW with 6 000 LB MVL), 11-Bolt T-Mount, Altec Preferred (T-125 Style)	1
80.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
81.	Relocate Chassis-Supplied Glad Hands cap off chassis air package and tie up.	1
82.	Rigid Step Mounted Beneath Side Access Steps (Installed To Extend Approx. 2" Outward)	1
83.	Compartment Top Access Step from Body Floor	1
84.	Single Platform Access, One Step Mounted to Turntable	1
85.	Platform Access Step From Top of Body Compartment	1
86.	Platform Rest, Rigid with Rubber Tube	1
87.	Lower Boom Rest Weldment	1
88.	Mounting Brackets for Lights, Located on Lower Boom Rest	1
89.	Plastic Outrigger Pad, 24 x 24 x 1 Inch, Black With Handle DICA	4
90.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads,	4

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	
91.	Pendulum Retainers For Outrigger Pad Holders	4
92.	Mud Flaps With Altec Logo (Pair)	1
93.	Wheel Chocks, Rubber, 9.75" L x 7.75" W x 5.00" H, with 4" L Metal Hairpin Style Handle (Pair)	1
94.	Dock Bumpers (Pair), Fixed Mounting (Rectangular Bumper), Installed At Rear Frame Rails So They Are The Furthest Point Back	1
95.	No Grab Handles Required NO ACCESS FROM REAR	1
96.	Slope Indicator Assembly For Machine With Outriggers	1
97.	Cone Holder, Horizontal Style, Swing Out For Mounting On Front Bumper (Holds up to four 15"x15" large cones)	1
98.	Custom Wire Rack/Reel Wire reel spools, mounted on platform rest.	6
99.	Safety Harness & 4.5 FT Lanyard (Medium To X-large)	2
100.	Triangular Reflector Kit, Shipped Loose	1
101.	5 LB Fire Extinguisher With Light Duty Bracket And Placard, Shipped Loose	1
102.	Vinyl manual pouch for storage of all operator and parts manuals	1
103.	Outrigger Control Guards- Underhung Tailshelf Mount	1
<b><u>Electrical Accessories</u></b>		
104.	Compartment Lights Wired To Dash Mounted Master Switch	1
105.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
106.	Altec Standard Amber LED Strobe Light with Brush Guard mounted one each side on lower boom rest.	2
107.	4-Corner Strobes, Amber, LED, Two (2) Surface Mounted Lights In Grille, Two (2) Round Lights At Rear	1
108.	Work Light, LED, Undercarriage, Waterproof, 13" L Two (2) lights at rear under truck to illuminate ground, two (2) on curbside, two (2) on streetside, equally spaced.	6
109.	Remote Spot Light, Halogen, Permanent Mount with Wireless Dash Mounted Controls and Programmable Wireless Remote mounted on boom rest support, curbside, inboard of strobe.	1
110.	Dual Tone Back-Up With Outrigger Motion Alarm	1
111.	Altec Standard Multi-Point Grounding System	6
112.	Grounding Reel, Automatic Retracting, Hannay - Holds #2 GA, #1/0 GA (Max 75'), Or	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	#2/0 GA Cable (Max 65') mount on curbside ICC bumper, payout to curbside.	
113.	Grounding Cable, 2/0 GA Yellow Jacketed Cable	25
114.	Copper U Shaped Grounding Lug (Threaded) mounted front and rear curbside.	2
115.	Grounding Clamp, Aluminum C-Clamp Style With Smooth Jaws (Includes Ferrule and Heat Shrink Tubing)	1
116.	Altec Backup Camera System, 7" Color LCD Monitor, Heated Infrared Camera with Day/Night Sensor and Audio	1
	A. 7" Color LCD Monitor With LED Backlighting And Proximity Indicators	
	B. 2 Inputs With Independent Triggers	
	C. Heated Infrared Camera With Day/Night Sensor And Audio	
	D. Mirror/Normal View	
	E. IP68 Rated	
	F. Wide Viewing Angle (104 Degrees Horizontal x 78 Degrees Vertical)	
	G. 20 Meter Cable Assembly	
117.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1
118.	Relocate Trailer Receptacle Supplied With Chassis	1
119.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
120.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1
121.	Inverter, 2000 Watt, Pure Sine Wave, 120 VAC (Sensata #MS2012G) mounted in 1st curbside compartment, with switch on dash.	1
122.	Inverter Wired Ignition Hot with Dash Mounted Switch	1
123.	Deep Cycle Auxiliary Battery For Vented Applications (Group 31) mounted in side access step storage	1
124.	120 Volt GFCI Receptacle Includes Weather-resistant Enclosure mounted in 1st compartment, curbside.	1
125.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1
126.	Install Outrigger Interlock System Outrigger interlock system MUST not be blocked and must be accessible.	1
127.	Additional Electrical Accessory 12 volt (14 gauge) wiring coming out of PDM for customer supplied radio. To be wired battery hot.	1

**Finishing Details**

128.	Powder Coat Unit Altec White	1
129.	Finish Paint Body Accessories Above Body Floor Altec White	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
130.	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
131.	Heavy Duty Cargo Coating, Gator Hyde, Cargo Area Floor and Tailshelf on all walking surfaces, top of all boxes and inside of all boxes	1
132.	English Safety And Instructional Decals	1
133.	Vehicle Height Placard - Installed In Cab	1
134.	Placard, HVI-22 Hydraulic Oil	1
135.	Dielectric test unit according to ANSI requirements.	1
136.	Stability test unit according to ANSI requirements.	1
137.	Completed Test Forms To Be Included In The Manual Pouch A. Stability Test Form B. Dielectric Test Form (For Insulating Units)	1
138.	Pre-delivery / Customer Validation Inspection Required	1
139.	Focus Factory Build	1
140.	Delivery Of Completed Unit	1
141.	Inbound Freight	1
142.	As Built Electrical And Hydraulic Schematics To Be Included In The Manual Pouch	1
143.	AN55E-OC FA Installation	1
<b><u>Chassis</u></b>		
144.	Altec Supplied Chassis	1
145.	Chassis	1
146.	2022 Model Year	1
147.	Freightliner M2-106	1
148.	4x2	1
149.	121 Clear CA (Round To Next Whole Number)	1
150.	Regular Cab	1
151.	Chassis Cab	1
152.	Dual Rear Wheel	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
153.	Chassis Color - White	1
154.	Chassis Wheelbase Length - 190	1
155.	Cummins B6.7	1
156.	Diesel	1
157.	250 HP Engine Rating	1
158.	Allison 3500 RDS Automatic Transmission (Left and Right Side PTO Openings Only)	1
159.	Other Chassis GVWR 36,220	1
160.	13,300 LBS Front GAWR	1
161.	Spring Suspension	1
162.	23,000 LBS Rear GAWR	1
163.	11R22.5 Front Tire	1
164.	11R22.5 Rear Tire	1
165.	Air Brakes	1
166.	Park Brake In Rear Wheels	1
167.	016-1C3 - Freightliner Horizontal Exhaust (Right-Horizontal-Under Cab-Horizontal)	1
168.	Freightliner - Clear Area Around Allison PTO Openings (362-824) and (363-011)	1
169.	Freightliner - Radiator (950 Square Inch) for ISB/B.7 or DD8.1 (SS) (266-078)	1
170.	Freightliner - Rear Cab Crossmember Flush With Back Of Cab (561-010)	1
171.	Freightliner PTO Throttle Wiring for Automatic Transmission (163-004) (148-074) (87L-003)	1
172.	Freightliner Transmission Dipstick Tube Enters Curbside of Transmission (346-013)	1
173.	Freightliner/Allison Body Builder Connection (34C-001)	1
174.	No Prewire Chassis	1
175.	No Idle Engine Shut-Down Required	1
176.	50-State Emissions	1
177.	Clean Idle Certification	1
178.	204-215 Freightliner 50 Gallon Fuel Tank (Left Hand Under Cab)	1
179.	23U-001, 43X-002 Freightliner 6 Gallon DEF Tank (Under Cab Left Hand)	1
180.	Chassis Without Front Frame Extensions	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
181.	Battery Under Cab Left Hand	1
182.	Air Horn Under Cab	1
183.	AM/FM Radio	1
184.	Bluetooth	1
185.	Air Conditioning	1
186.	Block Heater	1
187.	Driver Controlled Locking Differential	1
188.	Towing Package	1
189.	Trailer Air Brake Package	1
190.	Air Ride Drivers Seat	1
191.	Other Seat Options Passenger - high back non suspension seat	1

**Additional Pricing**

192.	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
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**Miscellaneous**

193.	Ext Warranty Labor Mat. Expense (NO Travel) (Day 366-1825) Large Aerials-Mat. Handler (AA AN AM 5X)	1
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**Altec Industries, Inc.**

BY \_\_\_\_\_

Karen Barbini

**Notes:**

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