

RESOLUTION NO. 2022 - 89

A RESOLUTION AUTHORIZING THE PURCHASE OF ONE (1) TA50 MODEL ARTICULATING TELESCOPIC AERIAL DEVICE TRUCK FROM ALTEC INDUSTRIES, INC., PLAINS, PA, IN AN AMOUNT NOT TO EXCEED \$274,845.00, PURSUANT TO A NATIONAL COOPERATIVE PRICING AGREEMENT WITH SOURCEWELL.

WHEREAS, the City of Vineland Electric Utility is in need of one (1) TA50 Model Articulating Telescopic Aerial Device Truck; and

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

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

WHEREAS, N.J.S.A. 52:34-6.2 permits the City of Vineland to purchase vehicles using the offered National Cooperative Pricing Agreement without public bidding, subject to the submittal and acceptance of certain documentation by Altec Industries, Inc.; and

WHEREAS, the City of Vineland intends under Sourcewell, under the Category: Digger Derricks, Bucket Trucks and Utility Equipment, Contract #012418-ALT, to purchase one (1) TA50 Model Articulating Telescopic Aerial Device Truck, in an amount not to exceed \$274,845.00 from Altec Industries, Inc., Plains, PA, as listed in the Quotation dated January 4, 2022, made through 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; and

WHEREAS, the City of Vineland Purchasing Agent has determined that the use of the offered National Cooperative Pricing Agreement will result in cost savings after all factors, including charges for service, material and delivery have been considered and has verified that such vehicle 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 has 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 to procure one (1) TA50 Model Articulating Telescopic Aerial Device Truck, in an amount not to exceed \$274,845.00.

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:

President of Council

ATTEST:

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)



2-9-22
(DATE)

1. Goods or Services (detailed description): MODEL T150 ARTICULATING TELESCOPIC AERIAL DEVICE FOR ELECTRIC UTILITY

2. Amount to be Awarded: \$ 274,845

- Encumber Total Award
 Encumber by Supplemental Release

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

4. **Account Number to be Charged: 2-05-55-512-9003-52000-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 SCHULTZ

10. Approved by: John Lillie

11. Attachments:

- Awarding Proposal
 Other: _____

• Send copies to:
Purchasing Department
Business Administration

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



Quote Number: 931532-2
 Sourcewell Contract #: 012418-ALT
 Date: 1/4/2022

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		Sourcewell Price
TA50	Articulating Telescopic Aerial Device with Material Handling (Insulated)	\$215,408

(A.) SOURCEWELL OPTIONS ON CONTRACT (Unit)

1			
2			
3			
4			

(A1.) SOURCEWELL OPTIONS ON CONTRACT (General)

1	T36	STANLEY ID07 IMPACT DRILL;HYDRAULIC;WITHOUT TRIGGER GUARD;QUICK CHANGE 7/16 IN CHUCK;4 - 12 GPM;750-2000 PSI	\$927
2	SPOT3	FOUR (4) POINT STROBE SYSTEM (LED)	\$701
3	SPOT6	Remote Spot Light, LED, Permanent Mount, With Wireless Dash Mounted Controls And Programmable Wireless Remote	\$887
4	VCAM	Backup Camera System	\$1,092
5	PSWI	PURE SINE WAVE INVERTER,1800 Watts Continuous. GFCI Outlet at Rear	\$3,188
6			
7			
8			
SOURCEWELL OPTIONS TOTAL:			\$222,203

(B.) OPEN MARKET ITEMS (Customer Requested)

1	UNIT		
2	UNIT & HYDRAULIC ACC	Unit and Hydraulic accessories, per specs	\$231
3	BODY	Altec steel service body, per specs	\$19,402
4	BODY & CHASSIS ACC	Body and Chassis accessories, per specs	\$5,264
5	ELECTRICAL	Electrical accessories, per specs	\$7,937
6	FINISHING		
7	CHASSIS	2023 Freightliner M2-106 4 x 2 Chassis	\$8,113
8	EXT WARR	5 years, travel/labor/materials	\$5,200
9	EXT WARR - CHASSIS	5 years, chassis/engine/transmission	\$3,745
OPEN MARKET OPTIONS TOTAL:			\$49,892

SUB-TOTAL FOR UNIT/BODY/CHASSIS: \$272,095
Delivery to Customer at \$2.20 / mile: \$2,750

TOTAL FOR UNIT/BODY/CHASSIS: \$274,845

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

1			
2			
3			
4			

Pricing valid for 30 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: Chassis pricing should be considered budgetary only and is subject to change when specific model year pricing becomes available from the OEM. Additionally, the chassis model year is subject to change based on availability at time of order.
DELIVERY: No later than 820 - 850 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 Manager, In-Service Training with Every Order.



January 5, 2022
Our 93rd 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: 931532 - 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 TA50 Articulating Telescopic Aerial Device with a fiberglass upper boom and fiberglass insulator in the articulating arm 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"> A. Ground to Bottom of Platform Height: 49.5 ft at 12.0 ft from centerline of rotation (15.1 m at 3.7 m) B. Working Height: 54.5 ft (16.6 m) C. Maximum reach to edge of platform: 36.2 ft at 19.9 ft platform height (11 m at 6.1 m) D. Continuous Rotation E. Articulating Arm Articulation: -5 to 92 degrees. Insulator provides a minimum of 12 in (304.8 mm) of isolation. F. Articulating arm is a tubular steel structure. The articulating arm is designed so that the articulating arm and lower boom are compensating. By raising the articulating arm only, the lower and upper boom maintains the same relative angle with the ground. By raising the articulating arm in conjunction with the lower boom, the operator is able to position himself more quickly and easily into the work area. G. Upper Boom Articulation: -25 to 75 degrees. Insulator provides a minimum 38.0 in (609.6 mm) of isolation. The telescopic upper boom is filament wound, square fiberglass that is extended and retracted by a double acting hydraulic cylinder installed within the booms. The boom extends and retracts over slide bearings located in the end of the lower boom. H. Upper Controls: The upper controls system includes a proportional joystick upper control and toggle switches. 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 	1

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Item	Description	Qty
	<p>controllers. The handle also includes an interlock guard that reduces the potential for inadvertent boom operation. The handle is tiller style and points away from elbow. 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.</p> <p>J. Two sets of quick disconnect couplings at the platform. The open center hydraulic system on this unit requires the use of open center tools.</p> <p>K. Lifting eye: on lower boom with 1000 lb. capacity.</p> <p>L. Lower Controls: A lower control station includes and is located on the curbside of the turntable. A selector valve is provided to override the upper controls.</p> <p>M. The platform is leveled by hydraulic leveling means, contained within the upper boom and designed to maintain the dielectric integrity of the aerial device. Controls for leveling and tilting the platform are located at the platform. Leveling for the platform includes two double acting cylinders incorporating counterbalance load holding valves to lock the platform in the event of hydraulic line failure. Cylinders are located at the platform and at the end of the lower boom. The master-slave action of the cylinders maintains a level platform throughout the full range of boom articulation.</p> <p>N. Outrigger/boom interlock system prevents boom from being unstowed until outriggers have been at least partially deployed.</p> <p>O. 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.</p> <p>P. Outrigger motion alarm provides audible alarm when any of the outriggers controls are operated.</p> <p>Q. 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.</p> <p>R. Unit meets or exceeds ANSI 92.2 standards.</p>	
2.	Automatic Upper Boom Stow Securing System with support cradle.	1
3.	Pedestal, Rear Mount, High Cab Height - includes 43 inch (1092 mm) pedestal height, 91.5 inch (2324 mm) mast height - recommended for T55 and TA60, installed in tall cab height chassis	1
4.	Single 1-Man Platform, 24" x 30" x 42" (610 x 762 x 1067 mm), End Mount, 180 Degree Rotation, No Jib	1
5.	258 - Platform liner 24x30, 50 kV rating (minimum)	1
6.	297 Tool Circuit Below Rotation - Includes 8.0 gpm (30.3 lpm) control valve and HTMA quick disconnect couplings, shipped loose	1
7.	Engine Start/Stop & Secondary Stowage System: 12 VDC powered motor and pump assembly for temporary operation of the unit in a situation wherein the primary hydraulic source fails. Electric motor is powered by the chassis battery. This feature allows the operator to completely stow the booms, platform, and outriggers. Secondary Stowage & Start/Stop is activated with an air plunger at the platform or momentary switch at the lower control station and outriggers.	1
8.	Electric Over Hydraulic Outrigger Controls	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
9.	999 - Custom Outriggers no auxiliary outriggers needed	1
10.	241 - Outrigger A-Frame with Flat-shoe - provides 149 inch (3785 mm) maximum spread outside to outside of shoe.	1
11.	Powder coat unit Altec White.	1
12.	999-Custom Tool Flow and Pressure All hydraulic tool outlets at platform and rear of truck shall use Holmbury flat face A-Series premier plus quick connect couplers with dust covers: Part number 35620183.	1
<u>Unit & Hydraulic Acc.</u>		
13.	Tool Trays Custom Option 1 Plastic techniques HD tool tray. Same as TA40 build, 67088237.	1
14.	Scuff Pad 24 x 30 With Step For Use With Platform Liner (U&H Acc)	1
15.	Platform Cover, 24 x 30, Soft Vinyl, Aerial Units	1
16.	TA50/55/60 Series Subbase	1
17.	30 Gallon Reservoir, Triangular, Mounted in Cargo Area, Standard	1
18.	HVI-22 Hydraulic Oil (Standard)	38
19.	Standard Pump for PTO	1
20.	Hot Shift PTO (for Automatic Transmission)	1
21.	Standard Altec PTO/Transmission Functionality with Park Brake Auto Neutral for Allison Automatic Transmissions: -Once the PTO switch is on, the Parking Brake is engaged, and the transmission is in a near stationary condition (i.e., below 5 mph) the transmission will be forced to neutral, and PTO will engage.	1
22.	Standard Parking Brake Machine Interlock: Parking (holding) brake must be set before machine is operable.	1
23.	Stanley Impact Wrench/Drill, 7/16 In QC (ID07810) (Requires 4-12 GPM, 750-2000 PSI) To include fiberglass drill holder and Holmbury flat face A-series premier plus quick connect couplers with dust covers - part number 35620183	1
<u>Body</u>		
24.	Altec Body	1

<u>Item</u>	<u>Description</u>	<u>Qty</u>
25.	Steel Body	1
26.	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	
27.	Smooth Galvanneal Steel Floor	1
28.	Aerial Service Line With Step (ASLS)	1
29.	Finish Paint Body Altec White	1
30.	Undercoat Body	1
31.	Approximate Body Length (Engineering to Determine Final Length) 134"	1
32.	94" Body Width	1
33.	Custom Body Compartment Height 50"	1
34.	Custom Body Compartment Depth 20"	1
35.	2" x 6" Drop-In Composite Retaining Board At Rear Of Body	1
36.	2 x 6 Drop-In Composite Retaining Board At Top Of Side Access	1
37.	Rope Lights (LED) Around Top And Sides Of Compartment Door Facings	7
38.	Stainless Steel Rotary Paddle Latches With Keyed Locks	7
39.	All Locks Keyed Alike Including Accessories (Preferred Option)	1
40.	Standard Master Body Locking System	7
41.	Gas Prop Rigid Door Holders On All Vertical Doors	1
42.	Chains On All Horizontal Doors	1
43.	Two Chock Holders On Each Side of Body With Retaining Lip In Fender Panel	1
44.	Hotstick Shelf Extending Full Length Of Body On Streetside	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
45.	Hotstick Shelf Extending Full Length Of Body On Curbside	1
46.	Two Hotstick Brackets On Streetside	1
47.	Two Hotstick Brackets On Curbside	1
48.	Plywood Lining For Hotstick Shelf On Streetside	1
49.	Plywood Lining For Hotstick Shelf On Curbside	1
50.	Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel Slam Paddle Latch With Keyed Lock	1
51.	Standard Drop-Down Hotstick Door For One (1) Shelf On Curbside, Stainless Steel Slam Paddle Latch With Keyed Lock	1
52.	1st Vertical (SS) - Adjustable Shelf With Removable Dividers On 4" Centers Mounted under drawer assembly	1
53.	1st Vertical (SS) - 6" High Drawer Kit On Slides, As Wide As Possible, Latched, Adjustable Dividers On 4" Centers	1
54.	2nd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4" Centers	3
55.	1st Horizontal (SS) - Fixed Shelf With Removable Dividers On 4 Inch Centers To be centered in opening of compartment height-wise	1
56.	Rear Vertical (SS) - Locking Swivel Hook(s) On A Fixed Rail - Left Wall	1
57.	Rear Vertical (SS) - Locking Swivel Hook(s) On A Fixed Rail - Rear Wall	3
58.	Rear Vertical (SS) - Locking Swivel Hook(s) On A Fixed Rail - Right Wall	1
59.	1st Vertical (CS) - Adjustable Shelf With Removable Dividers On 4" Centers	3
60.	1st Vertical (CS) - Louvered Panel On Rear Wall To Ventilate Compartment	1
61.	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
62.	2nd Vertical (CS) - Gripstrut Access Steps With Two (2) Sloped Grab Handles, Vented Battery Storage (Keyed Lock)	1
63.	1st Horizontal (CS) - Adjustable Shelf With Removable Dividers On 4" Centers	2
64.	Rear Vertical (CS) - Locking Swivel Hook(s) On A Fixed Rail - Left Wall	2
65.	Rear Vertical (CS) - Locking Swivel Hook(s) On A Fixed Rail - Rear Wall	3
66.	Rear Vertical (CS) - Locking Swivel Hook(s) On A Fixed Rail - Right Wall	2
67.	Custom Tailshelf Dimensions/Material	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	To be 35" and built of 1/8" diamond safety treadplate with through tunnel storage. To have locking doors at each end and be watertight	
68.	Smooth Galvanneal Steel Tailshelf	1
69.	Custom Steel Ladder Storage	1
	Ladder rack, installed on top of streetside body compartment, to be approx 132"L x 20"W x 8" H. To allow flat storage of ladder with roller at rear to allow ladder in/out ease (roller to be external type). Ladder to secure at rear with retainer chain. To have a removable cleanout at front of ladder box.	
70.	Steel Material Rail, 48"L	1
	Installed curbside inside top of load area.	
	Ref TA40 build, 67088237.	
71.	Sliding Hooks For Material Rails	6
72.	Additional Body Option	1
	Supply 36 extra removable dividers	
73.	Additional Body Option	2
	Storage box on both streetside and curbside directly under and attached to tailshelf. Make the bottom edge of these boxes at the same height of the bottom of the body side packs. Box to be 24" x 26"D x bottom of compartmentation. To have flip down lid and be watertight. To have stainless steel slam latches keyed like body	
74.	Additional Body Option	1
	Punched metal box, 42"L x 10"H x 10"D, mounted to streetside interior of body just under lid of rubber goods box	
75.	Additional Body Option	1
	Equipment box mounted on top of the ladder box, to be approx. 108" long x 20" wide x 10.5" high, equipped with hinged lift up treadplate lid with assist handles and gas lid supports. To be plywood lined and vented towards the load area of the body. To be watertight and lid to be ferroxed	
76.	Additional Body Option	1
	Rubber goods box installed on curbside rear section. 84" long x 12" high x 20" wide. To be plywood lined and vented towards the inside of the body. Hinged, lift up treadplate lid with assist handles and gas props for lid. To be watertight and lid to be ferroxed.	
<u>Body and Chassis Accessories</u>		
77.	Dock Bumpers (Pair), Rectangular, installed at Rear Frame Rail at the furthest point back	1
78.	Set of Safety Chain D-Rings	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
79.	Swivel Style Pintle Hitch (30 000 LB MGTW with 6 000 LB MVL), 11-Bolt T-Mount, Altec Preferred (T-125 Style), D-Rings, Dock Bumper, 4X2/6X4	1
80.	ICC (Underride Protection) Bumper, Installed at Rear	1
81.	Cable Step Installed at Rear, Double Step with Rigid Top Step Installed one each side at rear of tailshelf. To be reinforced structural steel.	2
82.	Rigid Step, Mounted Beneath Side Access Steps (Installed to Extend Approx. 2 Outward)	1
83.	Platform Access Step from Body Floor	1
84.	Small Grab Handle Installed at Rear Installed on streetside below top lip of tailshelf, for 3-point access.	1
85.	U-Shaped Grab Handle Installed on streetside at rear of tailshelf.	1
86.	Boom Rest for a Telescopic Unit (Located in Cargo Area)	1
87.	Boom Rest Option 1 Standard padded upper boom rest equipped with a quick latch/release hold down to prevent damage during road travel.	1
88.	Platform Rest, Rigid with Rubber Tube	1
89.	Wheel Chocks Rubber with Metal Hairpin Handle 9.75 L x 7.75 W x 5 H (Pair) (Altec Preferred)	2
90.	Mud Flaps without Altec Logo (Pair)	1
91.	Anti-Sail Mud Flap Brackets (Pair)	1
92.	Grab Handle Option 1 Post style grab handle installed on curbside.	1
93.	Ring Style Cone Holder For Installation On A Front Bumper (Holds up to four 15 x 15 large cones)	2
94.	Wire Reel Option 1 E-Z Products AS-60 Wire Rack/Reel. To be mounted vertically behind the drivers side of cab. With pedestal support running along side of inner body to floor. Payout reel shall accommodate utility hand coils of nominal dimensions: 35" outer diameter, 20" inner diameter, 8" coil height. To have a payout system (PVC PIPING) running from reel under cargo area floor to a 4 way roller system at rear of tailshelf or under the tailshelf.	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	Note: hole in body to be at rear of wheel.	
95.	10 LB Fire Extinguisher with Heavy Duty Bracket Installed Per DEPS 042 (Amerex #B456) Installed in first curbside compartment.	1
96.	First Aid Kit, 2 Person	1
97.	Safety Harness and 4.5 Ft Lanyard (Fits Medium to Xlarge)	1
98.	Triangular Reflector Kit (Contains 3 Reflectors) Shipped Loose	1
99.	Slope Indicator Assembly for Machine with Outrigger	1
100.	Vinyl Manual Pouch for Storage of All Operator and Parts Manuals	1
101.	Send Out for Spring Build Up	1
102.	Additional Body/Chassis Accessory (1) 4 reel holder Mounted on curbside Tailshelf. Rotate to payout to curbside.	1
103.	Additional Body/Chassis Accessory Ensure holes are drilled in the front bumper for NJ front license plate mounting.	1
<u>Electrical Accessories</u>		
104.	Compartment Lights Wired To Dash Mounted Master Switch	1
105.	Lights And Reflectors In Accordance With FMVSS 108 (Complete LED)	1
106.	Strobe Beacon, Amber, LED, With Brush Guard (Tecniq #K10-AAAD-1), Class II (Permit May Be Required) Mounted on curbside front of body. Top of strobe to be black (ok to paint black). Independently controlled by dash mounted switch.	1
107.	4-Corner Strobes, Amber, LED, Two (2) Surface Mounted Lights In Grille, Two (2) Round Lights At Rear, Class II (Permit May Be Required) Tied into same switch as the post mounted strobes.	1
108.	Spot Light, LED, With Chrome Housing, 6 Inch DIA, Permanent Mount (Unity #AG-R-8547) Front two to be post-mounted, one each side of boom stow. The rear (2) to be mounted (1) on top of the ladder box and (1) on the rear panel of the top storage box on curbside. All (4) lights to be tied into a lighted switch in the cab.	4
109.	Remote Spot Light, LED, Permanent Mount, With Wireless Dash Mounted Controls And Programmable Wireless Remote (Go-Light #20074) Mounted on curbside boom rest; outboard of strobe light.	1

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	To have hardwired remote in cab dash as well as a radio remote for platform operation.	
110.	Single Tone Backup Alarm, Installed between the chassis frame rails at the rear of the chassis. To work in conjunction with chassis reverse drive system.	1
111.	Altec Standard Multi-Point Grounding System	4
112.	Grounding Reel Option Hastings 21364 retractable payout reel, mounted on top of ICC bumper; between frame rails mounted horizontally. Cable to run to a clamp on curbside of body under storage compartment. Ref TA40 build, 67088237.	1
113.	Grounding Cable, #1/0 GA, Yellow Jacketed (Specify Length In Feet)	40
114.	Grounding Clamp, Bronze Tower Style With Serrated Jaws (Includes Ferrule And Heat Shrink Tubing), #1/0 GA Cable	1
115.	Altec Backup Camera System, 7 Inch Color LCD Monitor, Heated Infrared Camera With Day/Night Sensor And Audio To be wired into reverse so that it automatically activates when vehicle is backing up. Monitor to be installed where rear view mirror would be. A. 7 Inch 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	1
116.	PTO Hour Meter, Digital, With 10 000 Hour Display	1
117.	Trailer Receptacle, 7-Way (Pin Type) Installed At Rear	1
118.	Altec Modular Panel System (AMPS) - Includes Mounting Panel And Accessory Switches	1
119.	Inverter, 1800 Watt, Pure Sine Wave, 120 VAC (Sensata #12/1800N) To be installed in bottom of 1st vertical on curbside. To have switch for on/off in cab	1
120.	Deep Cycle Auxiliary Battery For Vented Applications (Group 31) (Specify a Location) installed in curbside access step.	2
121.	Electrical Receptacle, 120 Volt, GFCI, Includes Weather-Resistant Enclosure Hard wired to the inverter. To be recessed mounted one on curbside rear and one on streetside rear of body.	2
122.	Pre-Wire Power Distribution Module 10 is a Compact Self-Contained Electronic System We Wish To Thank You For Giving Us The Pleasure And Opportunity of Serving You	1

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	that Provides a Standardized Interface with the Chassis Electrical System	
123.	Cab Interior Light, Fluorescent With switch on light.	1
124.	Additional Electrical Accessory (1) Install 12volt pigtail in first compartment curbside- 10 Ga wire with 30Amp Fuse. Provide ground (1) Install 12volt pigtail in cab - 10 Ga wire with 30Amp Fuse. Provide ground	2
125.	Additional Electrical Accessory Install (1) white LED recessed light in accessway, (2) on S/S inside of load area and (1) on Curbside wall. All tied into 1 switch in the cab	1
126.	Additional Electrical Accessory Customer supplied radio, to be installed by Altec.	1
127.	Additional Electrical Accessory Customer supplied charge guard, installed by Altec.	1

Finishing Details

128.	Front and Rear Frame Mounted Components and Under Body Mounted Components Will Be Painted Black DEPS 005 DEPS 095 (Includes Non OEM Front Bumpers and Cabguards)	1
129.	Powder Coat Unit Altec White	1
130.	Finish Paint Body Accessories Above Body Floor Altec White	1
131.	Apply Non-Skid Coating (Black) to All Walking Surfaces DEPS 057	1
132.	Safety and Instructional Decals English	1
133.	Vehicle Height Placard Installed In Cab DEPS 002	1
134.	HVI-22 Hydraulic Oil Placard	1
135.	Dielectric Test Unit According to ANSI Requirements	1
136.	Stability Test Unit According to ANSI Requirements	1
137.	Focus Factory Build	1
138.	Delivery Of Completed Unit	1
139.	Inbound Freight	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
140.	As Built Electrical and Hydraulic Schematics to be Included In the Manual Pouch (Deps 024)	1
141.	Completed Test Forms To Be Included In The Manual Pouch: -Stability Test Form -Dielectric Test Form (For Insulated Units)	1
142.	Additional Finishing Detail Shield all hydraulic hoses from exhaust heat. All hydraulic lines shall be protected as required from heat or sharp edges. Shield exhaust as required to protect against oil spray.	1
143.	TA50 FA Installation	1
<u>Chassis</u>		
144.	Altec Supplied Chassis	1
145.	Chassis	1
146.	2023 Model Year	1
147.	Freightliner M2-106	1
148.	4x2	1
149.	87 Clear CA (Round To Next Whole Number)	1
150.	Regular Cab	1
151.	Chassis Cab	1
152.	Dual Rear Wheel	1
153.	Set Back Axle	1
154.	Chassis Color - White	1
155.	Other Chassis Wheelbase Length 156"	1
156.	Cummins B6.7	1
157.	Diesel	1
158.	325 HP Engine Rating	1
159.	Allison 3500 RDS Automatic Transmission (Left and Right Side PTO Openings Only)	1
160.	GVWR 33,000 LBS	1
161.	12,000 LBS Front GAWR	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
162.	Spring Suspension	1
163.	21,000 LBS Rear GAWR	1
164.	11R22.5 Front Tire	1
165.	11R22.5 Rear Tire	1
166.	Air Brakes	1
167.	Park Brake In Rear Wheels	1
168.	016-1C3 - Freightliner Horizontal Exhaust (Right-Horizontal-Under Cab-Horizontal)	1
169.	Freightliner - Electric Brake Controller Wiring With Combined Stop/Turn Signal Heavy Duty Tail Light Wiring At EOF (296-027)	1
170.	Freightliner - Radiator (950 Square Inch) for ISB/B.7 or DD8.1 (SS) (266-078)	1
171.	Freightliner - Rear Cab Crossmember Flush With Back Of Cab (561-010)	1
172.	Freightliner PTO Throttle Wiring for Automatic Transmission with Pre-Wire (163-001), (148-074), (87L-003)	1
173.	Freightliner Transmission Dipstick Tube Enters Curbside of Transmission (346-013)	1
174.	Freightliner/Allison Body Builder Connection with Pre-Wire (34C-002)	1
175.	Freightliner - Pre-Wire Chassis with Cab Backwall Pass-Thru (33U-001)	1
176.	No Idle Engine Shut-Down Required	1
177.	EPA Emissions	1
178.	No Clean Idle Certification Required	1
179.	204-215 Freightliner 50 Gallon Fuel Tank (Left Hand Under Cab)	1
180.	23U-001, 43X-002 Freightliner 6 Gallon DEF Tank (Under Cab Left Hand)	1
181.	Chassis Without Front Frame Extensions	1
182.	Battery Under Cab Left Hand	1
183.	Air Horn Under Cab	1
184.	AM/FM Radio	1
185.	Bluetooth	1
186.	Air Conditioning	1
187.	Power Door Locks	1
188.	Power Windows	1
189.	Tilt Steering Wheel	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
190.	Block Heater	1
191.	Towing Package	1
192.	Other Seat Options	1
	756-338 BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	
	760-338 BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	

Additional Pricing

193.	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

194.	Ext Warranty, TLME, 5 Year Total (4 Year Extended), Category 2	1
195.	Ext Warr, Chassis, 5 Years/150k Miles, Freightliner (M2-106)	1
196.	Engine Extended Warranty, Cummins Protection Plan 1, B6.7 Non-CARB Engine, 5 Years/150k Miles	1
197.	Ext Warr, Transmission, 5 Years/Unlimited Miles, Allison, Freightliner	1

Altec Industries, Inc.

BY _____

Karen Barbini

Notes: