

October 28, 2016 Our 87th Year

Ship To:

CITY OF ORLAND PARK 14700 RAVINIA AVE Orland Park, IL 60462 US

Attn: Phone: 708-403-6016 Email:

Altec Quotation Number:	337875 - 2
Account Manager:	Bradley Clay Graves
Technical Sales & Support:	John Richard Onders

<u>ltem</u>

Description

<u>Unit</u>

- 1. Altec Model TA60 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:
 - A. Ground to Bottom of Platform Height: 59.8 ft at 14.3 ft from centerline of rotation (18.2 m at 4.4 m)
 - **B.** Working Height: 64.8 ft (19.8 m)
 - C. Maximum reach to edge of platform: 40.1 ft at 26.6 ft platform height (12.2 m at 8.1 m)
 - **D.** Continuous Rotation
 - E. Articulating Arm Articulation: O to 93 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 minimum of 36.0 in (914.4 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. Two sets of quick disconnect couplings at the platform. The open center hydraulic system on this unit requires the use of open center tools.
 - J. 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

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Qty

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Bill To:

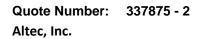
Price

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Price

<u>ltem</u>	Description	<u>Qty</u>
	 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. 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. K. Lifting eye: on lower boom with 1000 lb. capacity. L. Lower Controls: A lower control station includes and is located on the of the turntable. A selector valve is provided to override the upper controls. 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 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. N. Outrigger/boom interlock system prevents boom from being unstowed until outrigger shave been at least partially deployed. O. Outrigger motion alarm provides audible alarm when any of the outriggers controls are operated. P. Outrigger motion alarm provides audible alarm when any of the outriggers controls are operated. Q. Diagnostic Pressure Test Quick Disconnect Couplings: are located at the turntable to allow a mobile service technician to quickly and easily attach	
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.	220 Single Two-Man Platform with hydraulically articulating jib (Altec ARM Jib) - Platform end mounted, rotates 180 degrees around boom tip. Platform has a capacity of 600lbs without liner. Material handling system comes with 80ft of 0.50 inch polyester double braid rope, a metal thimble in the working end and jib rated at a maximum capacity of 1,000 lbs	1
5.	Soft Platform Cover For Two Man Platform (24x48)	1
6.	No Platform liner required	1
7.	Tool Circuit At Boom Tip, Dual Hydraulic (TA End Mount)	1
8.	Engine Start/Stop & Secondary Stowage System: 12 VDC powered motor and pump We Wish To Thank You For Giving Us The Pleasure And Opportunity of Serving You	1





<u>ltem</u>	Description	<u>Qty</u>	<u>Price</u>
	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.		
9.	Throttle Control - Manually increase/decrease chassis engine speed to preset values. Control is captive air operated from the platform and momentary switch operated from the lower controls and curbside at tailshelf.	1	
10.	241S - Outrigger, A-Frame with Swivel-Shoe - 135.6 inch maximum spread pin to pin	1	
11.	240 Modified flat-shoe, A-frame, Fixed Shoe, Outrigger installed at rear of body, with 101 inches (2565 mm) of spread at maximum penetration.	1	
12.	Electric Over Hydraulic Outrigger Control Valve	1	
13.	Winch load line swivel hook	1	
14.	Altec Aerial Device Powder Painted White	1	
15.	Custom Option Lifting eye, 700 pounds	1	
	Unit & Hydraulic Acc.		
16.	Reservoir, 30 Gallon, Triangular, Mounted in Cargo Area	1	
10.	 A. Internal return filter, 10 micron absolute, fiberglass media B. Ball valves in suction and return lines. C. Magnetic suction strainer. D. Filler/breather cap with dipstick. 		
17.	TA Series Subbase	1	
18.	Subbase Storage With Drop Down Door (Paddle Latch) At Rear	1	
19.	Temperature Sight Gauge	1	
20.	HVI-22 Hydraulic Oil (Standard).	35	
21.	Standard Pump For PTO	1	
22.	Hot shift PTO for automatic transmission	1	
23.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. Once the chassis is shifted back into gear the PTO will disengage. For some truck configurations the PTO switch must be turned off to allow the transmission to shift into gear.	1	

<u>Body</u>

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<u>ltem</u>	Description	Qty	<u>Price</u>
25.	Steel Body	1	
26.	Aerial Service Line With Step (ASLS)	1	
27.	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 With Structural Channel Crossmembers. 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. 		
28.	160" Overall Body Length	1	
29.	94 Body Width	1	
30.	46 Inch Body Compartment Height	1	
31.	18 Body Compartment Depth	1	
32.	Finish Paint Body Custom Color 2303NH Bright Red	1	
33.	Undercoat Body	1	
34.	E-Coat Body	1	
35.	5.5 Inch Drop-In Wood Cargo Retaining Board At Rear Of Body	1	
36.	5.5 Inch Drop-In Wood Cargo Retaining Board At Top Of Side Access Step	1	
37.	Rope Lights (LED) Around Top And Sides Of Compartment Door Facings	9	
38.	Stainless Steel Rotary Paddle Latches With Keyed Locks	9	
39.	All Locks Keyed Alike Including Accessories (Preferred Option)	1	
40.	Gas Shock (Gas Spring) Rigid Door Holders On All Vertical Doors	1	
41.	Standard Master Body Locking System, Except Not Located At The Front On Curbside With Access Step (Standard Placement Is At Rear. Sidepacks With A Throughshelf/Hotstick Door At Rear, Standard Placement Is At The Front)	9	
42.	One Chock Holder On Each Side of Body With Retaining Lip In Fender Panel	1	
43.	Hotstick Shelf Extending Full Length Of Body On Streetside	1	
44.	Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel	1	
	We Wish To Thank You For Giving Us The Pleasure And Opportunity of Serving You		Page A



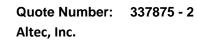
<u>ltem</u>	Description	Qty	<u>Price</u>
	Slam Paddle Latch With Keyed Lock		
45.	1st Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	2	
46.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2	
47.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	2	
48.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2	
49.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2	
50.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	2	
51.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2	
52.	1st Horizontal (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	1	
53.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1	
54.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3	
55.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1	
56.	Rear Vertical (SS) - Outrigger Housing, With Outrigger Pin Access As Needed	1	
57.	1st Vertical (CS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	3	
58.	2nd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2	
59.	2nd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	2	
60.	2nd Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2	
61.	3rd Vertical (CS) - Gripstrut Access Steps With Two (2) Sloped Grab Handles	1	
62.	1st Horizontal (CS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	2	
63.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1	
64.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3	
65.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1	
66.	Rear Vertical (CS) - Outrigger Housing, With Outrigger Pin Access As Needed	1	
67.	Small Steel Grab Handle Installed At Rear	2	
68.	Steel U-Shaped Grab Handle	2	
69.	Rigid Step Mounted Beneath Side Access Steps	1	
70.	Platform Access Step From Body Floor	1	

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<u>ltem</u>	Description	<u>Qty</u>	<u>Price</u>
71.	29" L Steel Tailshelf, Width of Body. Includes One (1) U-Shaped Grab Handle Installed on Each Side at Rear.	1	
72.	Treadplate Steel Floor	1	
73.	Treadplate Steel Tailshelf	1	
	Body and Chassis Accessories		
74.	ICC (Underride Protection) Bumper Installed At Rear	1	
75.	Combination 2 Ball (10,000 LB MGTW) And Pintle Hitch (16,000 LB MGTW)	1	
76.	Custom Towing Device Safety breakaway eye for trailer.	1	
77.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1	
78.	Send Out for Spring Build Up	1	
79.	Cable Step Installed At Rear, Double Step with Rigid Top Step	2	
80.	Platform Access Step From Body Floor	1	
81.	Platform Rest, Rigid with Rubber Tube	1	
82.	Lower Boom Rest Weldment	1	
83.	Mounting Brackets for Lights, Located on Lower Boom Rest	1	
84.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4	
85.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4	
86.	Mud Flap Without Altec Logo (Pair)	1	
87.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75'' L X 7.75'' W X 5.00'' H (Pair)	2	
88.	Dock Bumpers (Pair), Fixed Mounting (Rectangular Bumper), Installed At Rear Frame Rails So They Are The Furthest Point Back	1	
89.	Slope Indicator Assembly For Machine With Outriggers	1	
90.	Safety Harness And 4.5' Lanyard (Fits Medium To Xlarge) Includes Pouch and Placards	2	
91.	Triangular Reflector Kit, Shipped Loose	1	
92.	10 LB Fire Extinguisher With Heavy Duty Bracket, Installed Shipped loose.	2	
93.	Vinyl manual pouch for storage of all operator and parts manuals	1	
94.	Additional Body/Chassis Accessory Pole rack	1	

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<u>ltem</u>	Description	Qty	<u>Price</u>
	 to support/transport one 16' Aluminum utility pole, weighing approximately 400 lbs. on streetside Two U shaped brackets, one at rear of body or off the frame (similiar to Boom rest) and one on rear chassis cab. Include nylon strap tie downs to secure the pole while transporting. 		
	Electrical Accessories		
95.	Compartment Lights Wired To Dash Mounted Master Switch	1	
96.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1	
97.	Dual Tone Back-Up With Outrigger Motion Alarm	1	
98.	Altec Standard Multi-Point Grounding System	3	
99.	6-Way Trailer Receptacle (Pin Type) Installed At Rear	1	
100.	2400 Watt Pure-Sine Wave Inverter Install curbside first vertical.	1	
101.	Inverter Wired Ignition Hot with Dash Mounted Switch	1	
102.	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	
103.	Install Remote Start/Stop system in Final Assembly. Install at tailshelf. One streetside and one curbside.	2	
104.	Install Outrigger Interlock System	1	
105.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1	
106.	PTO Indicator Light Installed In Cab	1	
	Finishing Details		
107.	Powder Coat Unit Altec White	1	
108.	Finish Paint Body Accessories Custom Color (Specify Color Code) 2303NH Red Bright	1	
109.	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	
110.	Apply Non-Skid Coating to all walking surfaces	1	
111.	English Safety And Instructional Decals	1	
	We Wish To Thank You For Giving Us The Pleasure And Opportunity of Serving You		Page 7 (



<u>ltem</u>	Description	<u>Qty</u>	<u>Price</u>
112.	Vehicle Height Placard - Installed In Cab	1	
113.	Placard, HVI-22 Hydraulic Oil	1	
114.	Dielectric test unit according to ANSI requirements.	1	
115.	Stability test unit according to ANSI requirements.	1	
116.	Focus Factory Build	1	
117.	Delivery Of Completed Unit	1	
118.	Inbound Freight	1	
119.	TA60 FA Installation	1	
	<u>Chassis</u>		
120.	Chassis	1	
121.	Altec Supplied Chassis	1	
122.	2018 Model Year	1	
123.	Freightliner M2-106	1	
124.	4x2	1	
125.	108 Clear CA (Round To Next Whole Number)	1	
126.	Regular Cab	1	
127.	Chassis Cab	1	
128.	Chassis Color - Red 2303 NH Bright red	1	
129.	Cummins ISB	1	
130.	250 HP Engine Rating	1	
131.	Allison 3500 RDS Automatic Transmission	1	
132.	GVWR 33,000 LBS	1	
133.	13,000 LBS Front GAWR	1	
134.	20,000 LBS Rear GAWR	1	
135.	11R22.5 Front Tire	1	
136.	11R22.5 Rear Tire	1	
137.	Air Brakes	1	



<u>ltem</u>	Description	<u>Qty</u>	<u>Price</u>
138.	Park Brake In Rear Wheels	1	
139.	016-1C2 - Freightliner Vertical Exhaust (Right-Horizontal-Under Cab-Vertical)	1	
140.	Freightliner - Clear Area Around Allison PTO Openings (362-1Y0) and (363-011)	1	
141.	Freightliner - Rear Cab Crossmember Flush With Back Of Cab (561-010)	1	
142.	Freightliner PTO Throttle Wiring for Automatic Transmission (163-004) (148-074) (87L-003)	1	
143.	Freightliner Transmission Dipstick Relocated to RH Side of Transmission (346-013)	1	
144.	Freightliner/Allison Body Builder Connection (34C-001)	1	
145.	No Prewire Chassis	1	
146.	No Idle Engine Shut-Down Required	1	
147.	50-State Emissions	1	
148.	Clean Idle Certification	1	
149.	204-215 Freightliner 50 Gallon Fuel Tank (Left Hand Under Cab)	1	
150.	23U-001, 43X-002 Freightliner 6 Gallon DEF Tank (Under Cab Left Hand)	1	
151.	Chassis Without Front Frame Extensions	1	
152.	Battery Under Cab Left Hand	1	
153.	Air Horn Under Cab	1	
154.	AM/FM Radio	1	
155.	Bluetooth	1	
156.	Cruise Control	1	
157.	High Visibility Seat Belts	1	
158.	Tilt Steering Wheel	1	
159.	Block Heater	1	
160.	Vinyl Bucket Seat	1	
161.	Air Ride Drivers Seat	1	
162.	Air Ride Passenger Seat	1	
163.	Additional Chassis Option Automatic locking differential	1	
164.	Additional Chassis Option Power/heated mirrors.	1	
165.	Additional Chassis Option 6.14 rear gear ratio or slowest highway speed possible. We Wish To Thank You For Giving Us The Pleasure And Opportunity of Serving You	1	Dage Q



<u>ltem</u>	Description	<u>Qty</u>	<u>Price</u>
	Additional Pricing		
166.	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 FET Total Total		199,589.00 0.00 199,589.00
Altec In	ndustries, Inc.		
BY			
Jo	hn Richard Onders		
Notes:			
1	Altec Standard Warranty:		
	One (1) year parts warranty.		
	One (1) year labor warranty.		
	Ninety (90) days warranty for travel charges.		
	Warranty on structural integrity of the following major components is to be warranted for so long as the initial purchaser owns the product: Booms, boom articulation links, hydraulic cylinder structures, outrigger weldments, pedestals, subbases and turntables.		
	Altec is to supply a self-directed, computer based training (CBT) program. This program will provide basic instruction in the safe operation of this aerial device. This program will also include and explain ANSI and OSHA requirements related to the proper use and operation of this unit.		
	Altec offers its standard limited warranty with the Altec supplied components which n and its installation, but expressly disclaims any and all warranties, liabilities, and resp any implied warranties of fitness for a particular purpose and merchantability, for any parts	oonsibilities, inclu	uding
	Altec designs and manufactures to applicable Federal Motor Vehicle Safety and DO	T standards	
2	Altec takes pride in offering solutions that provide a safer work environment for our c to focus on safety, we would encourage you to consider the following items:	ustomers. In an	effort
	Outrigger pads (When Applicable) Fall Protection System		
	We Wish To Thank You For Giving Us The Pleasure And Opportunity of Serving You		Page 10 of 12



Quote Number: 337875 - 2 Altec, Inc.

Fire extinguisher/DOT kit Platform Liner (When Applicable) Altec Sentry Training Wheel Chocks

The aforementioned equipment can be offered in our new equipment quotations. If you find that any of these items have not been listed as priced options in the body of your quotation and are required by your company, we would encourage you to contact your Altec Account Manager and have an updated quotation developed for you. These options must be listed as individual options in the body of the quotation for them to be supplied by Altec.

- 3 Unless otherwise noted, all measurements used in this quote are based on a 40 inch (1016mm) chassis frame height and standard cab height for standard configurations.
 - F.O.B. Customer Site
 - Changes made to this order may affect whether or not this vehicle is subject to F.E.T. A review will be made at the time of invoicing and any applicable F.E.T. will be added to the invoice amount.
- 6 Price does not reflect any local, state or Federal Excise Taxes (F.E.T). The quote also does not reflect any local title or licensing fees. All appropriate taxes will be added to the final price in accordance with regulations in effect at time of invoicing.
- 7 Interest charge of 1/2% per month to be added for late payment.
 - Delivery: 270-300 days after receipt of order PROVIDING:

A. Order is received within 14 days from the date of the quote. If initial timeframe expires, please contact your Altec representative for an updated delivery commitment.

- B. Chassis is received a minimum of sixty (60) days before scheduled delivery.
- C. Customer approval drawings are returned by requested date.
- D. Customer supplied accessories are received by date necessary for compliance with scheduled delivery.

E. Customer expectations are accurately captured prior to releasing the order. Unexpected additions or changes made at a customer inspection will delay the delivery of the vehicle.

Altec reserves the right to change suppliers in order to meet customer delivery requirements, unless specifically identified, by the customer, during the quote and or ordering process.

9 Trade-in offer is contingent upon equipment being maintained to DOT (Department of Transportation) operating and safety standards. This will include, but not limited to tires, lights, brakes, glass, etc. If a trade-in is not maintained to DOT standards, additional transportation expenses will apply and could be invoiced separately.

All equipment, i.e., jibs, winches, pintle hooks, trailer connectors, etc., are to remain with the vehicle unless otherwise agreed upon in writing by both parties. Altec Industries reserves the right to re-negotiate its trade-in offer if these conditions are not met.

Customer may exercise the option to rescind this agreement in writing within sixty (60) days after receipt of purchase order. After that time Altec Industries will expect receipt of trade-in vehicle upon delivery of new equipment as part of the terms of the purchase order.

Titles for trade-in equipment should be given to the appropriate Altec Sales associate or forwarded to Altec Nueco at address 1730 Vanderbilt Road, Birmingham, AL 35234.

This quotation is valid until NOV 23, 2016. After this date, please contact Altec Industries, Inc. for a

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possible extension.

- 11 After the initial warranty period, Altec Industries, Inc. offers mobile service units, in-shop service and same day parts shipments on most parts from service locations nationwide at an additional competitive labor and parts rate. Call 877-GO-ALTEC for all of your Parts and Service needs.
- 12 Please email Altec Capital at finance@altec.com or call 888-408-8148 for a lease quote today.
- 13 Please direct all questions to Bradley Clay Graves at (317) 872-3460

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