



Altec Industries, Inc.

Ohio STS Contract #7751501908
PRICE LIST

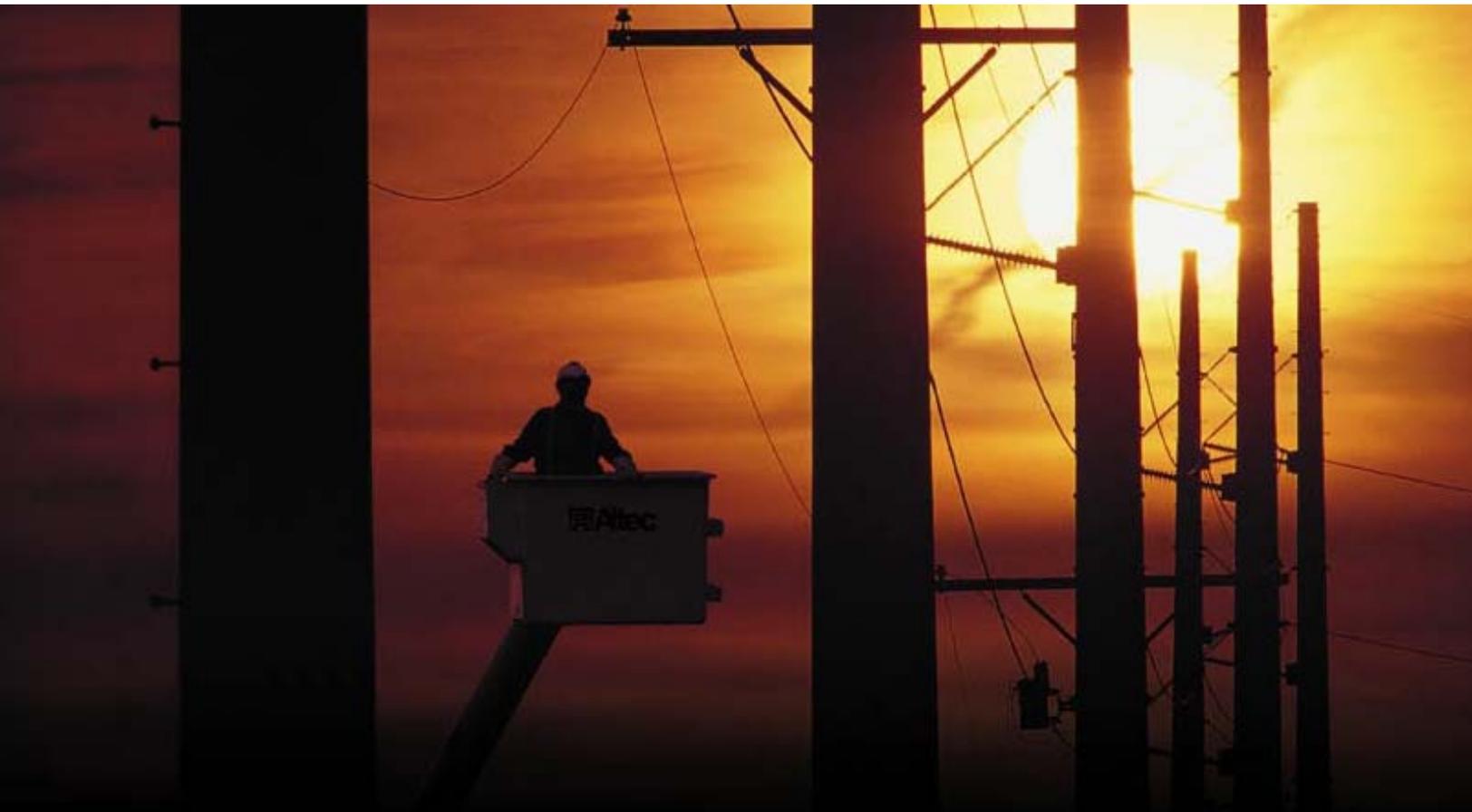




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March 1, 2013

OH STS Contract #7751501908
AT37G Aerial Device
37' Telescopic Articulating Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>UNIT</u>	
1.	1	<p>Altec Model AT37-G telescopic articulating aerial device with an insulated lower arm, insulated telescopic upper boom and an insulated ISO-Grip™ (patent applied for) system at the boom tip, for installation behind chassis cab, built in accordance to Altec's standard specifications and to include the following features:</p> <p>A. <u>Ground to Bottom of Platform Height:</u> 37.5 feet at 11.3 feet from centerline of rotation (11.4 m at 3.4 m)</p> <p>B. <u>Working Height</u> – 42.5 feet (13.0 m)</p> <p>C. <u>Maximum Reach to Edge of Platform:</u> 28.3 feet at 14.4 foot platform height (8.6 m at 4.3 m)</p> <p>D. <u>Pedestal:</u> Post type pedestal design with large service openings. Pedestal consists of fixture welded steel tubing 10.75 inch (273 mm) diameter. The 1.0 inch (25.4 mm) top plate of the pedestal is machined after welding to provide a rigid, flat mounting surface for the rotation bearing. This extends the life of the bearing and reduces life cycle cost. The pedestal is bolted to a quick mount interface frame which is attached to the chassis frame utilizing a bolt-on technique.</p> <p>E. <u>Rotation:</u> Noncontinuous rotation is provided by worm gear drive, equipped with extended shaft for manual rotation, driving a shear ball bearing rotation gear. <u>Continuous rotation is an available option.</u> The fully adjustable rotation drive assembly</p>	

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		includes an external eccentric ring adjustment of the gearbox pinion gear to the main rotation bearing, permitting the <u>ability to easily adjust backlash</u> , reduce boom side play and ensure proper tooth contact over the life of the unit. This reduces life cycle cost.	
F.		<u>Turntable</u> : Steel fixture-welded structure with a 1.0 inch (25.4 mm) steel bottom plate. The bottom plate of the turntable is machined after welding to ensure a flat mounting surface for the rotation bearing. A steel ring is welded to the bottom plate to stiffen the plate and to protect the rotation bearing. For ease of maintenance, hydraulic valving is located on the side of the turntable and protected by a metal guard.	
G.		<u>Articulating Arm</u> : Tubular steel structure with insulated fiberglass insert. The articulating arm is designed so that the articulating arm and telescopic boom are compensating. By raising the articulating arm only, the arm and telescopic boom maintain the same relative angle with the ground. By raising the articulating arm in conjunction with the telescopic boom the operator is able to position himself more quickly and easily into the work area.	
H.		<u>Lift Cylinders</u> : The rod eye is welded to the rod while the blind end of the cylinder is of cast steel, one piece design, which utilizes cartridge-type, bi-directional counter-balance holding valves. Non-lubricated type bushings are used at each end of the cylinder.	
I.		<u>Telescopic Boom</u> : Fabricated, reinforced steel with a round centrifugally cast, high density fiberglass insulator. Insulator provides 12 inches (305 mm) of isolation in the lower boom section. The inner surface of the fiberglass insulator has a wax coating molded in during manufacture to provide a dry, smooth inner surface which will cause moisture to bead. The outer surface has a smooth gelcoat finish.	
J.		<u>Telescopic Upper Boom Section</u> : Rectangular filament wound fiberglass, providing a minimum of 8.0 in (203 mm) of isolation when retracted and 35 inches (889 mm) when extended. The inner surface of the fiberglass boom has acrylic polyurethane applied to provide a dry, smooth inner surface which will cause moisture to bead. The outer surface has a smooth gelcoat finish	

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<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
K.		<p><u>Telescopic Boom Articulation</u>: -25 degrees to +75 degrees. This is important because it allows the platform to be placed below grade when the boom is extended. This allows the operator to access the platform from the ground very close to the side of the body or access the platform from the ground even on uneven terrain such as off the side of a roadbed.</p>	
L.		<p><u>Telescopic Boom Pivot Pin</u>: high strength chrome plated steel with self-lubricating, replaceable, non-metallic bearings.</p>	
M.		<p><u>Telescopic Upper Boom Extension</u>: The upper boom section 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 section.</p>	
N.		<p><u>Platform Leveling System</u>: The platform is leveled by hydraulic leveling means, contained within the telescopic 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 riser structure between the articulating arm and telescopic boom. The master-slave action of the cylinders maintains a level platform throughout the full range of boom articulation.</p>	
O.		<p><u>Platform</u>: Totally enclosed, fiberglass.</p>	
P.		<p><u>ISO-Grip™ System</u>: The Altec ISO-Grip™ (patent applied for) System includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system.</p> <ol style="list-style-type: none">1. <u>Control Handle</u>: An insulated single handle controller 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.2. <u>Auxiliary Control Covers</u>: Non-tested blue silicon covers for auxiliary controls.3. <u>Control Console</u>: Non-tested non-metallic control console	

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<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		plate.	
		4. Boom Tip Covers: Non-tested non-metallic boom tip covers. The covers are not dielectrically tested, but they may provide some protection against electrical hazards.	
		Q. <u>Manual Lowering Valve</u> : A valve located at the boom tip, easily accessible by the operator without having to remove any covers allows the lower boom to be lowered in the case of engine or hydraulic system failure.	
		R. <u>Hydraulic Tool Circuit</u> : Control easily accessible to the operator activates the tool circuit which provides 5.0 gpm (18.9 lpm) at 2,000 psi (138 bar) One set of HTMA quick disconnect couplings is located in a protected location inside the control cover at the platform.	
		S. <u>Outrigger/Boom Interlock System</u> : Helps prevent operator from using unit until all outriggers are lowered. (ONLY APPLICABLE IF OUTRIGGERS SELECTED)	
		T. <u>Outrigger/Unit Selector Control</u> : 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. (ONLY APPLICABLE IF OUTRIGGERS SELECTED)	
		U. <u>Outrigger Motion Alarm</u> : Provides audible alarm when any of the outriggers are in motion.	
		V. <u>Back-up Alarm</u> , installed	
		W. <u>Diagnostic Pressure Test Quick Disconnect Couplings</u> : are located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system pressure. This reduces life cycle cost.	
		X. <u>ISO 9001</u> : This aerial device is designed in a facility that is certified to meet ISO 9001 requirements.	
		Y. <u>ANSI Category C, 46 kV and below</u> dielectric rating	
		Z. <u>Manuals</u> : Two (2) Operator's and two (2) Maintenance/ Parts	

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<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		manuals.	
		AA. <u>Paint</u> : Painted white with the Altec Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electrostatically applied to the <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
2.	1	#210 AT37-G Aerial Device with <u>insulated</u> articulating arm and <u>continuous</u> rotation. Articulating arm includes a rectangular filament wound fiberglass insulator. The insulator provides 12.0 inches (305 mm) of isolation in the articulating arm. The inner surface of the filament wound fiberglass insulator has acrylic polyurethane applied to provide a dry, smooth inner surface, which will cause moisture to bead. The outer surface has a smooth gel-coat finish. The compensating link is centrifugal cast round fiberglass construction which has a smooth gel-coat outer surface.	
3.	1	#223 Single one man end-mounted platform. Platform is 24 x 30 x 42 inches high (610 x 762 x 1067 mm), rated at 350 pounds (159 kg) capacity without liner.	
4.	1	#368 Reservoir, 7 gallon (26.5 L) capacity, installed on the pedestal	
5.	1	Power Distribution Module installed in conjunction with the chassis and unit electrical systems.	
6.	1	#295/310 Engine start/stop with secondary stowage system, 12 VDC electric powered. Includes pump and motor, operates from 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 primary hydraulic source fails.	
7.	1	Two Speed throttle control at upper and lower controls (available with clutch pump only).	
8.	1	#293 Post Mount for installation of AT-G aerial device.	
9.	1	#355 Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, interlocking buckles on leg straps	

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<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		and nylon web loop fall arrest attachment on back. Lanyard has built in shock absorber that allows 28 inches (711 mm) of automatic adjustability.	
10.	1	#227 Increased platform capacity, increases the platform capacity on options 221, 222, 223, 224, 225 or 226 by 50 pounds (23 kg)	
11.	1	#252 Soft platform cover for one man platform, 24 x 30 inches (610 x 762 mm)	

UNIT AND HYDRAULIC ACCESSORIES

12.	1	Hydraulic oil and lubricants	
13.	1	Engine belt driven clutch pump installed in conjunction with chassis engine.	
14.	1	Torsion bar stabilizers installed on rear axle	
15.	1	Torsion bar stabilizer installed on front axle	
16.	1	(Pair) rubber wheel chocks, 10”L x 8”W x 5 ½”H.	

BODY

17.	1	Brand FX Body (BFXB84D-LP), suitable for installing on any chassis with an approximate CA dimension of 84 inches, built in accordance with the following specifications:	
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A. Body Dimensions:

131 inch overall body length
94 inch outside width
18 inch compartment depth

B. Compartmentation – Street Side:

First Vertical – 2 adjustable shelves with dividers.

Second Vertical – 2 adjustable shelves with dividers.

Horizontal – 1 shelf with dividers in bottom of compartment

Rear Vertical – Five swivel hooks (1-3-1)

Through Shelf – Full length shelf with drop down door at rear.

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<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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C. Compartmentation – Curb Side:

First Vertical – 2 adjustable shelves with dividers.

Second Vertical – Access walkway

Horizontal – 2 shelves with dividers.

Rear Vertical – Five swivel hooks (1-3-1)

Additional Items:

- Treadplate installed in cargo area
- Heavy duty 6” steel crossmembers
- Stainless steel hinges and recessed two stage paddle latches.
- Door holders on all compartment doors
- Automotive bulb type rubber door seals
- Deluxe interior package with material trays, hooks, and long shelf storage.
- Dome lighting with master switch in cab.
- White exterior finish
- Pockets for drop in boards at access walkway and end of cargo area

- | | | |
|-----|---|--|
| 18. | 1 | 30” Steel tailshelf with wheel chock holders, one each side, installed at rear of body |
| 19. | 2 | Grab handles, installed one on curbside rear corner of tailshelf and one on rear vertical curbside corner of the body. |
| 20. | 1 | Bumper, gripstrut step surface and allowance for pintle hook installation, installed at rear of body |
| 21. | 1 | Boom rest installed at left rear of cargo area |

BODY ACCESSORIES

- | | | |
|-----|---|---|
| 22. | 2 | Splash aprons, installed |
| 23. | 1 | Triangular reflector kit |
| 24. | 1 | Five pound fire extinguisher with mounting bracket, shipped loose |
| 25. | 1 | Combination 2” ball and pintle hook installed on the frame extension. To also include two (2) safety chain eyes installed one |

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<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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each side of pintle hook.

ELECTRICAL ACCESSORIES

- | | | | |
|-----|---|---|--|
| 26. | 1 | Lights and reflectors in accordance with FMVSS #108 lighting package, installed | |
| 27. | 1 | Trailer Receptacle, installed at rear | |
| 28. | 2 | LED Amber strobe lights with brush guard, installed on post at each side front of cargo area with master switch and indicator light installed in cab. Strobe light is to be visible from the front and rear of the vehicle. | |
| 29. | 1 | Backup alarm, installed at rear. Backup alarm adjusts automatically to provide from 87 to 112 decibels alarm, depending on ambient noise conditions. Alarm is installed in 4.5 inch (114 mm) diameter hole with rubber grommet and is wired to chassis backup lights. Installation at rear provides a protected environment for alarm, free from damage from road spray and debris. | |
| 30. | 1 | LED Four Corner Strobe System, installed:
A) Two 4" round amber strobes in rear light channel
B) Two strobe capsules in front turn signal housings
C) Master switch in cab | |
| 31. | 1 | Hour meter installed to record PTO operating hours | |

INSTALLATION

- | | | | |
|-----|---|---|--|
| 32. | 1 | Mounting Altec Aerial Device | |
| 33. | 1 | Altec Aerial Device painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection | |
| 34. | 1 | Mounting body and accessories | |
| 35. | 1 | Painting body and accessories white with urethane enamel | |

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<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
36.	1	Safety and Instructional Signs, installed	
37.	1	Vehicle height placard is to be placed in view of driver	
38.	1	DOT certification of completed vehicle	
<u>MISCELLANEOUS</u>			
39.	1	One (1) year parts warranty	
40.	1	One (1) year labor warranty	
41.	1	Ninety (90) days warranty for travel charges	
42.	1	Bidder 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.	
43.	1	For so long as the initial purchaser owns the product, major components warranty at an Altec service facility (See Altec Limited Warranty)	

LIST PRICE	\$ 65,584.00
STATE DISCOUNT	\$ 5,962.00
STATE PRICE	\$ 59,622.00

RECOMMENDED CHASSIS

GVWR: 17,950lb
CA: 84"

See chassis specs, options, and pricing at end of Pricelist

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AT37G Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
<u>OPTIONS</u>			
1		#346 Primary, vertical outrigger installed at front, behind chassis cab with 85.5 inches (2172 mm) of spread at maximum penetration. Outrigger control valves, includes one single-spool valve installed at left rear of tailshelf and one single-spool valve installed at right rear of tailshelf. Includes outrigger motion alarm. In lieu of torsion bars...	N/C
1		#317 Platform Leveling Control at lower controls. ADD...	\$ 296
1		Power take-off to be installed in conjunction with transmission and hydraulic pump. Single-speed throttle setting when PTO engaged. In lieu of clutch pump...ADD...	\$ 923
1		180-degree rotator for end mount platform, installed. ADD...	\$ 1,467
1		#258 Polyethylene platform liner for one man platform, 24 x 30 inches (610 x 762 mm), 50 kV rating (minimum). ADD...	\$ 408
1		Hydraulic tool outlet at tailshelf. ADD...	\$ 560
1		AT30G in lieu of AT37G aerial device. DEDUCT...	\$ (5,505)
1		AT35G in lieu of AT37G aerial device. DEDUCT...	\$ (947)
1		60"CA body package in lieu of 84"CA. DEDUCT...	\$ (498)
1		Premium aluminum package, including: aluminum crossmembers, aluminum treadplate floor, aluminum risers on cargo wall, aluminum treadplate on compartment tops. ADD...	\$ 3,205
1		Aluminum ladder rack assembly, installed. ADD...	\$ 830
1		Curbside 2 nd vertical to be standard compartment in lieu of access walkway. DEDUCT...	\$ (240)
1		Aluminum box with top opening lid 72"L x 18"W x 12"H. ADD...	\$ 995

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<u>Item</u>	<u>Quantity</u>	<u>Description</u>		<u>Price</u>
	1	Aluminum gripstrut for compartment top (up to 131"L), each. ADD...	\$	628
	1	Gang lock security system, customer to supply padlocks. ADD...	\$	411
	2	DICA Outrigger Pads for units with outriggers, includes holders on underside of body. ADD...	\$	484
	1	LED FMVSS #108 Lighting Package in lieu of standard. ADD...	\$	301
	1	Star Beam dual bulb R/C spotlight. ADD...	\$	1,097
	1	Post mount spotlight, installed in chassis A-pillar, each. ADD...	\$	349
	2	TST underbody lights. ADD...	\$	384
	1	Dimensions 1200W inverter with GFI outlet at curbside rear of body. ADD...	\$	1,514
	1	Rustproofing. ADD...	\$	577
	1	Custom color gelcoat for fiberglass body	\$	495
	1	Customer supplied paint code (other than white) for unit, and steel accessories. ADD...	\$	1,028

Important Note: The Altec ISO-Grip™ System, like the insulated upper boom and insulated lower boom insert, is not a primary protection system. These systems offer an additional layer of secondary dielectric protection for the operator, but they are not intended to replace safe work practices or primary methods of protection such as cover-up and the use of personal protection equipment, including rubber gloves and sleeves.



March 1, 2013

OH STS Contract #7751501908
AT40M/P Aerial Device
For 19,500GVWR/84"CA Chassis Application
40' Telescopic Articulating Material Handling Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>UNIT</u>	
1.	1	ALTEC Model AT40M telescopic articulating with an insulating lower arm, insulating telescopic upper boom and the Altec ISO-Grip™ (patent applied for) system, an upper control system incorporating high resistance components at the boom tip, for rear mount installation, built in accordance to ALTEC'S standard specifications and to include the following features: <ul style="list-style-type: none">A. <u>Material Handling System</u>: Hydraulically articulating jib (Altec ARM Jib). Material handling system comes with 80ft of 0.50 inch polyester double braid rope and a metal thimble in the working end. Minimum breaking strength of the rope is 8,400 lbs. Material handling capacity is dependent upon upper boom extension and lower boom articulation angle.B. <u>Ground to Bottom of Platform Height</u>: 40 feet at 12.4 feet from centerline of rotation (12.2 m at 3.8 m)C. <u>Working Height</u> – 45 feet (13.7 m)D. <u>Maximum Reach to Edge of Platform</u>: 30.8 feet at 16.5 foot platform height (9.4 m at 5.0 m)E. <u>Lower Boom Insulator</u>: Provides 12.0 inches (305 mm) of isolationF. <u>Side by Side Boom Configuration</u>: Travel height approximately 10'3" on a chassis with approximately 30" frame height. This may have to be increased depending on cab configuration.	

OH STS AT40M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
G.		<u>Articulating Arm</u> : Tubular steel structure. The articulating arm is designed so that the articulating arm and tension link are compensating. By raising the articulating arm only, the lower and upper boom maintain 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.	
H.		<u>Lift Cylinders</u> : The rod eye is welded to the rod while the blind end of the cylinder is of cast steel, one piece design, which utilizes cartridge-type, bi-directional counter-balance holding valves. The lower boom and arm cylinders have spherical-type bearings on both rod and base ends.	
I.		<u>Lower Boom</u> : Fabricated, reinforced steel box structure. Ultra high molecular weight polyurethane slide pads are installed at the boom tip to guide the telescopic upper boom. These pads have a large contact area in order to reduce wear. The pads are shimmed and attached for ease of adjustment or replacement without disassembly of the booms.	
J.		<u>Lower Boom Pivot Pin</u> : high strength chrome plated steel with self-lubricating, replaceable, non-metallic bearings.	
K.		<u>Telescopic Upper Boom</u> : filament wound, square fiberglass, providing a minimum of 31.5 inches (965 mm) of isolation. The inner surface of the fiberglass boom is coated with polyurethane to provide a dry, smooth inner surface, which will cause moisture to bead. The outer surface has a smooth gelcoat finish.	
L.		<u>Upper Boom Extension</u> : The upper boom 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.	
M.		<u>Hydraulic System</u> : The open-center hydraulic system operates at a system pressure of 3,000 psi (20.7 Mpa, 207 bar) and a free flow rate of 6.0 gpm (22.7pm). The system consists of a pump, 15.0 gallon (56.8 l) hydraulic oil reservoir, inlet manifold, lower control valve, tool/jib valve and single handle upper control valve assembly.	
N.		<u>Pedestal</u> : Post-type structure design with 12.75 inch (323.8 mm) diameter vertical pedestal tube with a heavy-duty welded flange at the base end and openings that provide	

OH STS AT40M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		easy access to the hydraulic hoses. The round structure facilitates personnel movement between the pedestal and body sides. Includes pedestal base plate for attachment to subbase.	
		O. <u>Rotation</u> : Continuous rotation is provided by worm gear drive, equipped with extended shaft for manual rotation, driving a shear ball bearing rotation gear. The fully adjustable rotation drive assembly includes an external eccentric ring adjustment of the gearbox pinion gear to the main rotation bearing, permitting the <u>ability to easily adjust backlash</u> , reduce boom side play and ensure proper tooth contact over the life of the unit. This reduces life cycle cost. All bearing attachment bolts are easily accessed from outside the pedestal and inside the turntable.	
		P. <u>Turntable</u> : Steel fixture-welded structure with a 1.25 inch (32 mm) steel bottom plate. The bottom plate of the turntable is machined after welding to ensure a flat mounting surface for the rotation bearing. The hydraulic rotary joint and hydraulic hoses are located in the turntable for ease of access. The main control valve is located outside the turntable for convenience and ease of access and is covered for protection.	
		Q. <u>Platform Leveling System</u> : 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.	
		R. <u>Platform</u> : Fiberglass non-insulating platform for use with or without insulated liner (per ANSI A92.2).	
		S. <u>ISO-Grip™ System</u> : The Altec ISO-Grip™ (Patent Applied For) System includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system. <ol style="list-style-type: none">1. <u>Control Handle</u>: A single handle controller incorporating that is dielectrically tested to 40 kV AC with no more than 400 microampers of leakage. The control handle	

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<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		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.	
		2. Auxiliary Control Covers: Non-tested blue silicon covers for auxiliary controls.	
		3. Control Console: Non-tested non-metallic control console plate.	
		4. Boom Tip Covers: Non-tested non-metallic boom tip covers. The covers are not dielectrically tested, but they may provide some protection against electrical hazards.	
T.		<u>Hydraulic Tool Circuit at Platform</u> : Control easily accessible to the operator activates the tool circuit which provides a maximum of 6.0 gpm (22.7 lpm). Tool system relief pressure set at 2,000 psi (13.8 Mpa). One set of hydraulic tool outlets is standard at the boom tip; they consist of one set of quick disconnect couplings at the platform, a valve assembly inside the control cover, and detented control handle. Operates open center tools.	
U.		<u>Outrigger/Boom Interlock System</u> : Prevents boom from being unstowed until outriggers have been at least partially deployed.	
V.		<u>Outrigger/Unit Selector Control</u> : 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.	
W.		<u>Outrigger Motion Alarm</u> : Provides audible alarm when any of the outriggers controls are operated.	
X.		<u>Back-up Alarm</u> , installed	
Y.		<u>Diagnostic Pressure Test Quick Disconnect Couplings</u> : 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 reduces life cycle cost.	
Z.		<u>ANSI Category C, 46 kV and below dielectric rating</u> . Upper boom must be extended approximately 20 inches.	
AA.		<u>Manuals</u> : Two (2) Operator's and two (2) Maintenance/ Parts manuals containing instructional markings indicating hazards inherent in the operation of an aerial device.	

OH STS AT40M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<p>BB.<u>Paint</u>: Painted white with the 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 fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection</p>	
2.	1	Pedestal, Behind Cab Mount, Low Cab Height –installed on Ford F-550.	
3.	1	Outriggers, Primary – 12 Volt outrigger controls mounted at rear of body. Installed on Ford F-550.	
4.	1	Single One-Man Platform – 24 x 30 x 42 inches (610 x 762 x 1067 mm) end mounted platform, rotates 180 degrees around boom tip. Platform has a capacity of 400lbs without liner on the AT40M (600lbs without liner on AT40P)	
5.	1	Platform Cover – soft vinyl, 24 x 30 inches (610 x 762 mm)	
6.	1	Platform Liner – for one-man fiberglass platform, 24 x 30 inches (610 x 762 mm), 50 kV rating (minimum)	
7.	1	Platform Floor Liner – 24 x 30 inches (610 x 762 mm)	
8.	1	Engine Start/Stop with Secondary Stowage System, 12 VDC electric powered. Includes pump and motor, operates from chassis battery. Control is captive air operated from the platform and momentary switch operated from the lower controls and tailshelf. This option allows the operator to completely stow the booms and platform in a situation wherein the primary hydraulic source fails.	
		NOTE: Requires Slip Ring and code 391 or code 392 (unless chassis has correct Diamond Logic codes)	
9.	1	Slip Ring	
		NOTE: Required for engine start/stop, secondary stowage system and throttle control options	
10.	1	Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches (305 x 330 mm), designed to be mounted behind the driver's seat, inside the cab. Additional modules plug in to	

OH STS AT40M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<p>accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical components. The PDM includes built in test capabilities and diagnostic input, output and status LED's to quickly assess the PDM's performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required.</p> <p>The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby reducing maintenance costs.</p>	
11.	1	Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, interlocking buckles on leg straps and nylon web loop fall arrest attachment on back. Lanyard has built in shock absorber that allows 28 inches (711 mm) of automatic adjustability.	
12.	1	Winch load line swivel hook	
<u>UNIT AND HYDRAULIC ACCESSORIES</u>			
13.	1	Hydraulic oil and lubricants	
14.	1	PTO for Ford automatic transmission.	
15.	1	Hydraulic Clutch Pump	
<u>BODY</u>			
16.	1	Service Line Body, suitable for installing on any chassis with an approximate CA dimension of 84 inches, built in accordance with the following specifications:	
17.	1	A. <u>Body</u> : Fabricated from fiberglass : One piece molded doors Steel understructure 3/16" aluminum tread floor	

OH STS AT40M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		3/16"smooth aluminum header panel 3/16" aluminum tailskirt Standard white gelcoat Type 304 stainless steel door latch and hardware Rotary latch, stainless steel Structural channel crossmembers Full length aluminum drip rail Aluminum rock guards Automotive grade bubble gasket Wheel chock holders installed one (1) on each side of body in fender panel Drop-in 2" x 6" plactic tailboard, pockets to be moved into cargo area to allow platform to stow properly	
		B. <u>Body Dimensions:</u>	
		132 inch overall body length 93 inch outside width 40 inch body height 20 inch compartment depth 53 inch floor width	
		C. <u>Compartmentation – Streetside:</u>	
		<u>First Vertical</u> – Six (6) adjustable locking swivel material hooks. <u>Second Vertical</u> – Three (3) adjustable shelves with dividers on 4" centers. <u>Horizontal</u> – vacant with exception of through shelf <u>Rear Vertical</u> – Two (2) adjustable shelves with removable dividers on 4 inch centers <u>Through Shelf</u> – Full length of body with hotstick brackets and access door at rear.	
		D. <u>Compartmentation – Curbside:</u>	
		<u>First Vertical</u> – Two (2) adjustable shelves with removable dividers on 4 inch centers <u>Second Vertical</u> – Two (2) adjustable shelves with removable dividers on 4 inch centers <u>Horizontal</u> – One (1) removable shelf with removable dividers on 8 inch centers <u>Rear Vertical</u> – Six (6) adjustable locking swivel material hooks.	
18.	1	93" long x 30" wide aluminum treadplate tailshelf	
19.	2	Grab handles, installed at curbside and streetside rear of tailshelf	

OH STS AT40M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
20.	1	Altec NU-step, installed at curbside rear of tailshelf	
21.	1	Rope Lighting, with master switch in cab.	
22.	1	Upper boom rest installed at streetside rear of cargo area. Installed as close to streetside cargo area wall as feasible to maximize access to cargo area.	
23.	1	Platform rest, rubber tube type. Installed directly on tailshelf, bolted and positioned under platform for support of platform during transit.	

BODY ACCESSORIES

24.	2	Splash Aprons (with Altec logo) installed	
25.	1	Triangular reflector kit, installed in cab	
26.	1	Fire extinguisher, 5 pounds, with bracket, shipped loose	
27.	1	Pintle hook, T60 style, and hitch assembly 19 - 21 inches (482 – 533 mm) (based on a 30” (762 mm) frame height) above ground (unloaded). Includes safety chain eyes.	
28.	2	Dica outrigger pads, 18” x 18” x 1” inches (Black plastic with built in handle)	
29.	2	Outrigger Pad holders.	
30.	2	Wheel Chocks – rubber (ribbed type)	
31.	1	Manual Pouch installed in cab.	

ELECTRICAL ACCESSORIES

32.	1	LED Lights and reflectors in accordance with FMVSS #108 lighting package.	
33.	1	6-way trailer receptacle includes wiring harness installed at rear.	
34.	1	Install Outrigger Motion Alarm: Provides audible alarm when any of the outrigger controls are operated.	
35.	1	Install backup alarm at rear	

OH STS AT40M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
36.	1	Hour meter installed to record PTO operating hours	
37.	1	Install Power Distribution Module	
38.	1	Install Start/Stop system with momentary switch for installation near outrigger controls	
39.	1	Install secondary stowage with momentary switch for installation near outrigger controls	
40.	2	LED Amber Strobe lights installed on a post at the front of the body, one (1) each side.	
41.	1	Four Corner LED Strobe system: A. Two 4" round amber LED strobes in rear light channel B. Two 4" round amber LED strobes in front bumper C. Wired to master switch in cab	
42.	2	Two (2) Spotlights installed one on driver and one on passenger side "A" pillars	
43.	1	TST Underbody Lights installed at front corners of body Wired to master switch	
44.	1	Install Altec MP System for in-cab accessory switch panel. Includes dual lit switches for function identification and function activation.	

INSTALLATION

45.	1	Mounting Altec Aerial Device	
46.	2	Two Inclinometers at tailshelf	
47.	1	Altec Aerial Device painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
48.	1	Mounting body and accessories	
49.	1	Painting body and accessories white with urethane enamel (required with steel body only)	
50.	1	Paint underneath black	

OH STS AT40M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
51.	1	Ferrox applied to all walking surfaces	
52.	1	Safety and Instructional Signs, installed	
53.	1	Vehicle height placard is to be placed in view of driver	
54.	1	Delivery of completed vehicle	
55.	1	DOT certification of completed vehicle	
56.	1	Test completed unit in accordance with OSHA/ANSI requirements and provide documentation	
57.	1	Temp Tag with delivery	

MISCELLANEOUS

58.	1	One (1) year parts warranty	
59.	1	One (1) year labor warranty	
60.	1	Ninety (90) days warranty for travel charges	
61.	1	Bidder 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.	
62.	1	For so long as the initial purchaser owns the product, major components warranty at an Altec service facility (See Altec Limited Warranty)	

LIST PRICE	\$ 90,508.00
STATE DISCOUNT	\$ 8,228.00
STATE PRICE	\$ 82,280.00

RECOMMENDED CHASSIS

OH STS AT40M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
19.	1	GWR 19,000 lbs CA: 84"	

See chassis specs, options, and pricing at end of Pricelist

OPTIONS

1.	1	Attec model AT40G ILO the AT40M	\$ (9,330)
2.	1	PTO pump in lieu of engine driven clutch pump. ADD...	\$ 923
3.	1	24x38x42 Platform ILO the 24x30x42 Platform. ADD...	\$ 250
4.	1	24x48 Personnel only (AT40P) , platform rated at 600 lbs (w/o liner).	\$ (2,350)
5.	1	Premium aluminum package, including: aluminum crossmembers, aluminum treadplate floor, aluminum risers on cargo wall, aluminum treadplate on compartment tops. ADD...	\$ 3,205
6.	1	Transverse 1 st vertical compartment with top opening lid. ADD...	\$ 1,151
7.	1	Aluminum ladder rack assembly. ADD...	\$ 830
8.	1	Curbside 2 nd vertical to be access walkway in lieu of compartment. DEDUCT...	\$ (240)
9.	1	Aluminum box with top opening lid 72"L x 18"W x 12"H ADD...	\$ 995
10.	1	Aluminum gripstrut for compartment top (up to 131"L), each. ADD...	\$ 628
11.	1	Gang lock security system customer to supply padlocks. ADD...	\$ 411
12.	1	Hastings grounding reel with 50' of 1/0 cable. Includes 3 point ground system with front and rear lugs. ADD...	\$ 3,529

OH STS AT40M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
13.	1	Star Beam dual bulb R/C spotlight. ADD...	\$ 1,097
14.	1	Dimensions 1200W inverter with GFI outlet at curbside rear of body. ADD...	\$ 1,514
15.	1	Hayes electric brake controller. ADD...	\$ 463
16.	1	Horizontal front bumper cone holder. Horizontal bar with pivot at curbside and locking pin at streetside. ADD...	\$ 599
17.	1	Vertical front bumper cone holder. Vertical storage with loops with drop down feature. ADD...	\$ 750
18.	1	Rust proofing. ADD...	\$ 577
19.	1	Custom color for gelcoat on fiberglass body in lieu of standard white. ADD...	\$ 495
20.	1	Custom color code in lieu of standard white for steel portions of build. ADD...	\$ 1,028
21.	1	Rear outrigger assembly, installed. NOTE: Will impact rear vertical storage in body compartments.	\$ 4,412

Important Note: The Altec ISO-Grip™ System, like the insulating upper boom and insulating lower boom insert, is not a primary protection system. These systems offer an additional layer of secondary dielectric protection for the operator, but they are not intended to replace safe work practices or primary methods of protection such as cover-up and the use of personal protection equipment, including rubber gloves and sleeves.



March 1, 2013

OH STS Contract #7751501908
TA45M Aerial Device
For 33k GVWR Chassis Application
45' Telescopic Articulating Material Handling Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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UNIT

- | | | | |
|----|---|--|--|
| 1. | 1 | Altec Model TA45M telescopic articulating aerial device with an insulated lower arm, insulated telescopic upper boom and an insulated ISO-Grip™ (patent applied for) system at the boom tip, for installation behind chassis cab, built in accordance to Altec's standard specifications and to include the following features: <ul style="list-style-type: none">A. <u>Ground to Bottom of Platform Height</u>: 44.5 feet at 10.8 feet from centerline of rotation (13.6 m at 3.3 m)B. <u>Working Height</u> – 49.5 feet (15.1 m)C. <u>Maximum Reach to Edge of Platform</u>: 30.5 feet at 20.9 foot platform height (9.3 m at 6.4 m)D. <u>Lower Boom Insulator</u>: Provides 55.0 inches (1397 mm) of isolationE. <u>Pedestal</u>: Post type pedestal design with large service openings. Pedestal consists of fixture welded steel tubing 12.75 inch (324 mm) diameter. The 1.0 inch (25.4 mm) top plate of the pedestal is machined after welding to provide a rigid, flat mounting surface for the rotation bearing. This extends the life of the bearing and reduces life cycle cost. The pedestal is attached to the | |
|----|---|--|--|

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		chassis frame utilizing a shear plate installation technique.	
F.		<u>Rotation</u> : Continuous rotation is provided by worm gear drive, equipped with extended shaft for manual rotation, driving a shear ball bearing rotation gear. The fully adjustable rotation drive assembly includes an external eccentric ring adjustment of the gearbox pinion gear to the main rotation bearing, permitting the <u>ability to easily adjust backlash</u> , reduce boom side play and ensure proper tooth contact over the life of the unit. This reduces life cycle cost. All bearing attachment bolts are easily accessed from outside the pedestal and inside the turntable.	
G.		<u>Turntable</u> : Steel fixture-welded structure with a 1.0 inch (25.4 mm) steel bottom plate. The bottom plate of the turntable is machined after welding to ensure a flat mounting surface for the rotation bearing. A steel ring is welded to the bottom plate to stiffen the plate and to protect the rotation bearing. For ease of maintenance, hydraulic valving is located on the side of the turntable and protected by a metal guard.	
H.		<u>Articulating Arm</u> : 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 maintain 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.	
I.		<u>Lift Cylinders</u> : The rod eye is welded to the rod while the blind end of the cylinder is of cast steel, one piece design, which utilizes cartridge-type, bi-directional counter-balance holding valves. Non-lubricated type bushings are used at the trunnion pins. The rod end has a spherical-type bearing.	
J.		<u>Lower Boom</u> : Fabricated, reinforced steel box structure. Ultra high molecular weight polyurethane slide pads are installed at the boom tip to guide the telescopic upper boom. These pads have a large contact area in order to reduce wear. The pads are shimmed and attached for ease of adjustment or replacement without disassembly of the booms.	
K.		<u>Lower Boom Pivot Pin</u> : high strength chrome plated steel with self-lubricating, replaceable, non-metallic bearings.	

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		L. <u>Telescopic Upper Boom</u> : Centrifugally cast, round fiberglass, providing a minimum of 24.0 (610 mm) of isolation. The inner surface of the fiberglass boom is impregnated with a wax compound to provide a dry, smooth inner surface which will cause moisture to bead. The outer surface has a smooth gelcoat finish.	
		M. <u>Upper Boom Extension</u> : The upper boom 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.	
		N. <u>Platform Leveling System</u> : 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.	
		O. <u>Platform</u> : Totally enclosed, single, one-man, side-mounted fiberglass platform, 24 x 30 x 42 inches (610 x 762 x 1067 mm), with 90 degree platform rotator	
		P. <u>Controls</u> : Boom and articulating arm functions are controlled with a single handle control. Control, through non-metallic linkages, actuates the interlock section and four individual boom function valves. The control provides good metering capability at all boom speeds. The single handle control activates Lower Boom— <i>Up and Down</i> , Upper Boom— <i>Extend and Retract</i> , Rotation— <i>Clockwise/Counter-clockwise</i> , and Articulating Arm— <i>Raise and Lower</i> . Unit rotation is accomplished by moving the control from side to side similar to a tiller while upper boom operation is accomplished by twisting the control handle clockwise to retract and counter clockwise to extend.	
		P. <u>Lower Boom Lifting Eye</u> : provides for 800 pounds (363 kg) of lifting capacity.	
		Q. <u>Hydraulic Tool Circuit</u> : Control easily accessible to the operator activates the tool circuit which provides 8.0 gpm (30.3 lpm) at	

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		2,000 psi (13 790 kPa) One set of HTMA quick disconnect couplings is located in a protected location on the control cover at the platform. In the “Off” position, the circuit is designed to relieve pressure from the quick disconnect couplings.	
R.		<u>Diagnostic Pressure Test Quick Disconnect Couplings</u> : 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 reduces life cycle cost.	
S.		<u>Outrigger/Boom Interlock System</u> : Helps prevent operator from using unit until all outriggers are lowered.	
T.		<u>Outrigger/Unit Selector Control</u> : 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.	
U.		<u>Outrigger Motion Alarm</u> : Provides audible alarm when any of the outriggers are in motion.	
V.		<u>Back-up Alarm</u> , installed	
W.		<u>ISO 9001</u> : This aerial device is designed in a facility that is certified to meet ISO 9001 requirements.	
X.		<u>ANSI Category C, 46 kV and below dielectric rating</u>	
Y.		<u>Manuals</u> : Two (2) Operator’s and two (2) Maintenance/ Parts manuals.	
Z.		<u>Paint</u> : Painted white with the Altec Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electrostatically applied to the <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
2.	1	#462 Pedestal, 62”	
3.	1	Material handling system is to include:	
		A. The jib provides an articulation range of –40° to +80°. The tilt	

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<p>mechanism is activated by a cylinder located beneath the boom and is equipped with a double pilot operated check valve.</p> <p>B. The jib is pinned securely in the tilt bracket with full retract and full extend positions. The jib is easily removed. The outer end of the jib is equipped with a pin-on sheave head assembly and is adaptable for attachment of hot line tools.</p> <p>C. A hydraulic winch is mounted to the boom tip on the platform shaft and is equipped with 80 feet (24.4 m) of ½ inch (13 mm) double braided synthetic rope.</p> <p>D. One set of hydraulic tool quick disconnect couplings is located at the platform with a valve which allows the couplings to drain to the tank when in the off position. Open or closed center tools may be operated from the tool circuit.</p> <p>E. Controls consist of three valves with appropriate placards to control jib tilt UP and DOWN, winch IN and OUT, and hydraulic tool circuit ON and OFF. A winch control valve is also provided at the turntable of the unit.</p>	
4.	1	#219 Hydraulically extendible square jib – mounted to the street side of the boom tip on the platform shaft with a hydraulically powered winch. Platform is mounted on curb side.	
5.	1	#248 Primary, modified A-frame outrigger installed at front, behind chassis cab with 130.0 inches (3302 mm) of spread at maximum penetration. Outrigger control valves, includes one single-spool valve installed at left rear of tailshelf and one two-spool valve installed at right rear of tailshelf. Tool circuit at tailshelf provides 8.0 gpm (30.3 lpm) and 2,000 psi (13 790 kPa).	
6.	1	#295/310 Engine start/stop with secondary stowage system, 12 VDC electric powered. Includes pump and motor, operates from 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 primary hydraulic source fails.	

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
7.	1	#307 Throttle Control Interface for electronic engines, automatically increases engine speed when needed for proper hydraulic system operation	
8.	1	<p>Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches (305 x 330 mm), designed to be mounted behind the driver's seat, inside the cab. Additional modules plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical components. The PDM includes built in test capabilities and diagnostic input, output and status LED's to quickly assess the PDM's performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required.</p> <p>The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby reducing maintenance costs.</p>	
9.	1	Soft platform cover for one man platform, 24 x 30 inches	
10.	1	Polyethylene platform liner for one man platform, 24 x 30 inches, 50 kV rating (minimum)	
11.	1	24" x 30" x 42" platform. Rated at 350 pounds without liner. 90 degree rotator.	
12.	1	Custom Option – AM50/55 style control setup. Control handle located between boom and platform when platform is in stowed position.	
13.	1	Custom Option – Load chart based on upper boom angle and extension.	
<u>UNIT AND HYDRAULIC ACCESSORIES</u>			
14.	1	Mil Spec 5606 hydraulic oil and lubricants	

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
15.	1	1T swivel hook for material handler	
16.	1	Custom Option - Ergonomic Scuff pad for 24 x 30 inch platform liner to protect liner floor.	
17.	1	Hydraulic pump, right hand rotation, pressure and flow compensated PVE-12	
18.	1	Power take-off to be installed in conjunction with transmission	
19.	1	(Pair) rubber wheel chocks, 10"L x 8"W x 5 1/2"H.	

BODY

20. 1 Steel General Service Step Body, suitable for installing on any chassis with an approximate CA dimension of 84 inches, built in accordance with the following specifications.

A. Body: Fabricated from A60 grade 100% zinc alloy coated steel with the following minimum gauge thickness:

- 14 gauge outside panels
- 16 gauge top panels
- 14 gauge end panels
- 19 gauge inner door panels
- 19 gauge outer door panels
- 18 gauge shelving, spangled steel
- 14 gauge wheel panels
- 12 gauge steel floor, formed checker plate
- Structural channel 4" crossmembers
- 1/8" treadplate installed on top of body compartments
- Radial wheel well liners
- Fuel fill cutout installed on street side rear fender panel
- Pockets for drop in tailboard
- Install outrigger pockets in rear wheel well
- Rope lighting

B. Body Dimensions:

- 136 inch overall body length
- 93 inch outside width
- 46 inch body height
- 18 inch compartment depth

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		57 inch floor width	
		C. <u>Compartmentation – Right (Curb) Side:</u>	
		<u>First Vertical</u> – 32”, Seven (7) material hooks, 2-3-2	
		<u>Second Vertical</u> – 22”, Three (3) material hooks, 0-3-0	
		<u>Horizontal</u> – 54”, One (1) fixed shelf with removable dividers on 8 inch centers	
		<u>Rear Vertical</u> – 28”, Two (2) adjustable shelves with removable dividers on 4 inch centers	
		<u>Through Shelf</u> – full length with hotstick brackets and rear access door	
		D. <u>Compartmentation – Left (Street) Side:</u>	
		<u>First Vertical</u> – 32”, Two (2) adjustable shelves with removable dividers on 4 inch centers	
		<u>Second Vertical</u> – 22”, Six (6) material hooks, 2-2-2	
		<u>Horizontal</u> – 54”, Two (2) adjustable shelves with removable dividers on 8 inch centers	
		<u>Rear Vertical</u> – 28”, Six (6) material hooks, 2-2-2	
21.	1	Tailshelf, 18”W, installed at rear of body	
22.	2	Grab handles, installed one each side at rear of tailshelf	
23.	1	Outrigger pad holders to accommodate DICA pads. Holders to be located as close to outriggers as possible.	
24.	1	Heavy-duty platform support installed at tailshelf	
25.	1	Compartment lights installed in each compartment. Wiring installed in loom with switch located in cab.	
		<u>BODY ACCESSORIES</u>	
26.	2	Splash aprons, installed	
27.	2	Hydraulic hose steps, installed one each side at rear of tailshelf	
28.	2	DICA 22x24x2 composite outrigger pads	
29.	1	Hand Coil Rack at front curbside cargo wall. Start at header and extend towards rear. To consist of top and bottom rail. Top rail to be	

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		18" off cargo floor, 48"L, 6" away from cargo wall. Bottom rail to be same except 5" off cargo floor.	
30.	1	Slide-N-Lock Rail, 48", installed rear of Hand Coil Rack. To be installed along top.	
31.	1	Triangular reflector kit	
32.	2	Ten pound fire extinguisher with mounting bracket, installed.	
33.	1	Heavy duty pintle hook with chassis frame reinforcement and two (2) safety chain eyes.	
<u>ELECTRICAL ACCESSORIES</u>			
34.	1	LED lights and reflectors in accordance with FMVSS #108 lighting package, installed	
35.	1	Wire compartment lights to dash mounted switch.	
36.	1	Trailer Receptacle, installed at rear	
37.	2	LED Amber strobe light installed on post at left and right front of cargo area with switch on dash	
38.	2	Spotlight installed on driver and passenger side "A" pillar	
39.	1	Four Corner LED Strobe System A) Two amber strobe capsules in front turn signal housings B) Two 4" amber strobes in rear light channel C) Master switch on dash	
40.	1	Two (2) rectangular strobes installed at rear of body on each side as high as possible.	
41.	4	TST Underbody lights, one at each corner of body	
42.	1	Three point ground system with front and rear ground lugs	
43.	1	Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.	
44.	1	Backup alarm, installed at rear.	

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
45.	1	Hour meter installed to record PTO operating hours	
46.	1	Install Altec MP System for in-cab accessory switch panel. Includes dual lit switches for function identification and function activation.	

INSTALLATION

47.	1	Mounting Altec Aerial Device	
48.	1	Altec aerial device painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
49.	1	Mounting body and accessories	
50.	1	Rustproofing	
51.	1	Non-skid on all walking surfaces	
52.	1	Painting body and accessories white with urethane enamel	
53.	1	Safety and Instructional Signs, installed	
54.	1	Vehicle height placard is to be placed in view of driver	
55.	1	Delivery of completed vehicle	

MISCELLANEOUS

56.	1	This aerial device is designed in a facility that is certified to meet ISO 9001	
57.	1	One (1) year parts warranty	
58.	1	One (1) year labor warranty.	
59.	1	Ninety (90) days warranty for travel charges.	
60.	1	Bidder is to supply a self-directed, computer based training (CBT) program. This program will provide basic instruction in the safe	

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		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	
61.	1	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	
61.	1	For so long as the initial purchaser owns the product, major components warranty at an Altec service facility (See Altec Limited Warranty)	

LIST PRICE \$ 102,045.00

STATE DISCOUNT \$ 9,277.00

STATE PRICE \$ 92,768.00

RECOMMENDED CHASSIS

62. 1 CA: 84"
GVWR: 33,000 lbs.

See chassis specs, options, and pricing at end of Pricelist

OPTIONS

1. 1 Astoria fiberglass body **in lieu of steel**. Includes following features: \$ 3,153
- Aluminum rock guards
 - Aluminum structural channel crossmembers
 - Spring loaded door holders on all vertical compartments
 - Vinyl coated chain on horizontal doors
 - Stainless steel latches on compartment doors
 - Drop in plastic tailboard at rear of body with aluminum pockets.
 - Aluminum treadplate riser 6" up each side of cargo wall.
- ADD...**

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>		<u>Price</u>
2.	1	Access walkway in curbside 2 nd vertical in lieu of standard compartment. ADD...	\$	643
3.	1	Aluminum tailshelf in lieu of steel. ADD...	\$	121
4.	1	Soft copper reel rack. To accommodate total of four (4) different reels. To have center spindle that pulls out to allow for individual removal of reels. ADD...	\$	463
5.	3	72"L PVC tubes with aluminum end caps installed along streetside cargo wall. Flush with rear of body. ADD...	\$	617
6.	1	Steel material goods box (18"H x 18"L x 36"W) on 6" risers to keep box off floor. To include top opening lid and gas props. ADD...	\$	1,010
5.	1	Steel rubber goods box (75"L x 18"W x 18"H). Wood lined, vented, with top opening lid on gas props. ADD...	\$	1,448
6.	1	Go-Light with dash mount controller. Installed in center of hood. ADD...	\$	463
7.	1	Steel ladder box 20"W x 8"H x Full Length installed on top of curbside compartment top. To include rear roller and strap. ADD...	\$	1,557
8.	1	Steel material goods box 18"W x 18"H x 61"L with curbside opening door on gas props and locking hasps installed flush with rubber goods box on curbside compartment top. ADD...	\$	1,712
9.	1	Two (2) Unity spot/flood lights, installed. Exact location TBD at drawing review. ADD...	\$	711
10.	1	Hastings spring loaded grounding reel with 50' of 1/0 cable, installed. ADD...	\$	3,529
11.	1	1200W inverter with GFI outlet installed at curbside rear. ADD...	\$	1,514
12.	1	Two (2) Yellow Streamlights with chargers installed in cab. ADD...	\$	864
13.	1	Custom color paint code for unit, steel body, and steel accessories in lieu of standard white. ADD...	\$	1,028
14.	1	Custom color paint code for gelcoat on Astoria body in lieu of standard white. ADD...	\$	1,601

TA45M Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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Important Note: The Altec ISO-Grip™ System, like the insulated upper boom and insulated lower boom insert, is not a primary protection system. These systems offer an additional layer of secondary dielectric protection for the operator, but they are not intended to replace safe work practices or primary methods of protection such as cover-up and the use of personal protection equipment, including rubber gloves and sleeves.



March 1, 2013

OH STS Contract #7751501908
TA50 Aerial Device
For 33k GVWR Chassis Application
50' Telescopic Articulating Material Handling Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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UNIT SPECIFICATIONS

- | | | | |
|----|---|---|--|
| 1. | 1 | Altec Model TA50 telescopic articulating aerial with an insulated lower arm, insulated telescopic upper boom and an insulated ISO-Grip™ (Patent Applied For) system at the boom tip, for installation behind chassis cab, built in accordance to Altec's standard specifications and to include the following features: | |
| | | A. <u>Ground to Bottom of Platform Height</u> : 49.5 feet at 12.5 feet from centerline of rotation (15.1 m at 3.8 m) | |
| | | B. <u>Working Height</u> – 54.5 feet (16.6 m) | |
| | | C. <u>Maximum Reach to Edge of Platform</u> : 36.2 feet at 19.9 foot platform height (11.0 m at 6.1 m) | |
| | | D. <u>Lower Boom Insulator</u> : Provides 12.0 inches (305 mm) of isolation | |

STANDARD UNIT FEATURES

- | | | | |
|--|--|--|--|
| | | E. <u>Hydraulic System</u> : The open-center hydraulic system operates at a system pressure of 3,000 psi (20 685 kPa, 207 bar) and a free flow rate of 8.2 gpm (30.8 lpm). The system consists of a pump, hydraulic oil reservoir, inlet manifold, lower control valve, tool/jib valve and single handle upper control valve assembly. | |
| | | F. <u>Pedestal</u> : Post type pedestal design with large service openings. Pedestal consists of fixture welded steel tubing 16.0 inch (407 | |

TA50 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		mm) diameter. The 1.63 inch (41 mm) top plate of the pedestal is machined after welding to provide a rigid, flat mounting surface for the rotation bearing. This extends the life of the bearing and reduces life cycle cost. The pedestal is attached to the chassis frame utilizing a shear plate installation technique.	
		G. <u>Rotation</u> : Continuous rotation is provided by worm gear drive, equipped with extended shaft for manual rotation, driving a shear ball bearing rotation gear. The fully adjustable rotation drive assembly includes an external eccentric ring adjustment of the gearbox pinion gear to the main rotation bearing, permitting the <u>ability to easily adjust backlash</u> , reduce boom side play and ensure proper tooth contact over the life of the unit. This reduces life cycle cost. All bearing attachment bolts are easily accessed from outside the pedestal and inside the turntable.	
		H. <u>Turntable</u> : Steel fixture-welded structure with a 1.25 inch (32 mm) steel bottom plate. The bottom plate of the turntable is machined after welding to ensure a flat mounting surface for the rotation bearing. The hydraulic rotary joint and hydraulic hoses are located on the turntable for ease of access. The main control valve is located outside the turntable for convenience and ease of access and is covered for protection.	
		I. <u>Articulating Arm</u> : 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 maintain 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.	
		J. <u>Lift Cylinders</u> : The rod eye is welded to the rod while the blind end of the cylinder is of cast steel, one piece design, which utilizes cartridge-type, bi-directional counter-balance holding valves. Non-lubricated type bushings are used at the trunnion pins. The rod end has a spherical-type bearing.	
		K. <u>Lower Boom</u> : Fabricated, reinforced steel box structure. Ultra high molecular weight polyurethane slide pads are installed at the boom tip to guide the telescopic upper boom. These pads have a large contact area in order to reduce wear. The pads are shimmed and attached for ease of adjustment or replacement without disassembly of the booms.	

TA50 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
L.		<u>Lower Boom Pivot Pin</u> : high strength chrome plated steel with self-lubricating, replaceable, non-metallic bearings.	
M.		<u>Telescopic Upper Boom</u> : filament wound, round fiberglass, providing a minimum of 38.0 inches (965 mm) of isolation for the TA50, 16.0 inches (406 mm) for the TA55, and 36 inches (914 mm) for the TA60. The inner surface of the fiberglass boom is impregnated with a wax compound to provide a dry, smooth inner surface which will cause moisture to bead. The outer surface has a smooth gelcoat finish.	
N.		<u>Upper Boom Extension</u> : The upper boom 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.	
O.		<u>Platform Leveling System</u> : 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.		<u>Platform</u> : Totally enclosed, fiberglass.	
Q.		<u>Controls</u> : The control system is an open-center full pressure, hydraulic manual control system incorporating a four-function single handle control actuating multiple valve sections at the platform. The single handle control activates Lower Boom— <i>Up and Down</i> , Upper Boom— <i>Extend and Retract</i> , Rotation— <i>Clockwise/Counter-clockwise</i> , and Articulating Arm— <i>Raise and Lower</i> . Multi-lever control handles are used to activate jib, winch, and platform tilt and rotate. The single handle control incorporates an interlock trigger and safety interlock at the platform. Activation of the interlock is required when operating a boom function. An air plunger controls the optional engine start/stop or throttle systems. An emergency stop valve is also provided at the upper controls.	
R.		<u>Lower Boom Lifting Eye</u> : provides for 1,000 pounds (454 kg) of lifting capacity.	

TA50 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		S. <u>Hydraulic Tool Circuit</u> : Control easily accessible to the operator activates the tool circuit which provides 8.0 gpm (30.3 lpm) at 2,000 psi (13 790 kPa). Two sets of hydraulic tool outlets are standard at the boom tip; they consist of two sets of quick disconnect couplings at the platform, a valve assembly inside the control cover, and detented control handle.	
		T. <u>Outrigger/Boom Interlock System</u> : Helps prevent operator from using unit until all outriggers are lowered.	
		U. <u>Outrigger/Unit Selector Control</u> : 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.	
		V. <u>Outrigger Motion Alarm</u> : Provides audible alarm when any of the outriggers are in motion.	
		W. <u>Back-up Alarm</u> , installed	
		X. <u>Diagnostic Pressure Test Quick Disconnect Couplings</u> : 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 reduces life cycle cost.	
		Y. <u>ISO 9001</u> : This aerial device is designed in a facility that is certified to meet ISO 9001 requirements.	
		Z. <u>ANSI Category C, 46 kV and below</u> dielectric rating	
		AA. <u>Manuals</u> : Two (2) Operator's and two (2) Maintenance/Parts manuals.	
		BB. <u>Paint</u> : Painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
2.	1	#289 Pedestal, Rear Mount, High Cab Height – includes 43 inch (1092 mm) pedestal height, 91.5 inch (2324 mm) mast height – recommended for TA55 and TA60, installed in tall cab height	

TA50 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		chassis	
3.	1	#220 Single Two-Man Platform – Platform end mounted, rotates 180 degrees around boom tip	
4.	1	#244 Outriggers, Primary – For rear mounted unit, outrigger mounts behind cab, swivel shoe	
5.	1	#296/310 Remote Engine Start/Stop with Secondary Stowage System – captive air from platform as above with 12 VDC electric powered operating system, includes pump and motor, operates from truck battery	
6.	1	#343 Remote throttle control, captive air, 2-speed	
7.	1	Slip Ring – 4 Circuits	
8.	1	#255 Platform Cover – soft vinyl, 24 x 48 inches (610 x 1219 mm)	
9.	1	#259 Platform Liner – for two-man fiberglass platform, 24 x 48 inches (610 x 1219 mm), 50 kV rating (minimum)	
10.	1	#391 Power Distribution Module installed behind driver's seat	

Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches (305 x 330 mm), designed to be mounted behind the driver's seat, inside the cab. Additional modules plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical components. The PDM includes built in test capabilities and diagnostic input, output and status LED's to quickly assess the PDM's performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required.

The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby reducing maintenance costs.

TA50 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
11.	2	#355 Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, interlocking buckles on leg straps and nylon web loop fall arrest attachment on back. Lanyard has built in shock absorber that allows 28 inches (711 mm) of automatic adjustability.	

UNIT AND HYDRAULIC ACCESSORIES

- | | | | |
|-----|---|---|--|
| 12. | 1 | Hydraulic oil and lubricants | |
| 13. | 1 | Power take-off to be installed in conjunction with transmission | |
| 14. | 1 | Hydraulic pump – right hand rotation, gear type | |
| 15. | 1 | (Pair) rubber wheel chocks, 10”L x 8”W x 5 ½”H. | |

BODY

- | | | | |
|-----|---|---|--|
| 16. | 1 | BrandFX Aerial Service Line Body (BFXB132-48), suitable for installing on any chassis with an approximate CA dimension of 84 inches, built in accordance with the following specifications: | |
|-----|---|---|--|

A. Body Dimensions:

- 132” inch overall body length
- 94 inch outside width
- 48 inch body height
- 18 inch compartment depth
- 58 inch floor width

B. Specific Body Items:

- Treadplate installed in cargo area
- Heavy duty 6” steel crossmembers
- Stainless steel hinges and recessed two stage paddle latches.
- Door holders on all compartment doors
- Automotive bulb type rubber door seals
- **Deluxe interior package with material trays, hooks, and long shelf storage.**
- Top opening access above curbside horizontal with weatherproof lid.
- Access walkway in 2nd vertical on curbside.

TA50 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<ul style="list-style-type: none">▪ Two (2) outrigger pad holders installed at front of body.▪ Two (2) wheel chock holders installed in body fenders▪ Dome lighting with master switch in cab.▪ White exterior finish	
17.	1	30" Steel tailshelf installed at rear of body	
18.	1	Bumper, gripstrut step surface and allowance for pintle hook installation, installed at rear of body on each side of frame rails.	
19.	2	Grab handles, installed one each side at rear of tailshelf	
20.	2	Cable steps, installed one each side at rear of tailshelf	
21.	1	Heavy-duty platform support installed at tailshelf	
<u>BODY ACCESSORIES</u>			
22.	2	Splash aprons, installed	
23.	1	Triangular reflector kit	
24.	2	DICA 24x22x1 Outrigger Pads, installed.	
25.	1	Five pound fire extinguisher with mounting bracket, shipped loose	
26.	1	Heavy duty pintle hook with chassis frame reinforcement and two (2) safety chain rings	
<u>ELECTRICAL ACCESSORIES</u>			
27.	1	Lights and reflectors in accordance with FMVSS #108 lighting package, installed	
28.	1	Wire compartment lights to dash mounted switch.	
29.	1	Trailer Receptacle, installed at rear	
30.	1	LED amber strobes at front of cargo area, each side.	
31.	1	Four Corner LED Strobe System, installed: <ul style="list-style-type: none">A) Two 4" round amber strobes in rear light channelB) Two strobe capsules in front turn signal housingsC) Master switch in cab	

TA50 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
32.	1	Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.	
33.	1	Backup alarm, installed at rear. Backup alarm adjusts automatically to provide from 87 to 112 decibels alarm, depending on ambient noise conditions. Alarm is installed in 4.5 inch (114 mm) diameter hole with rubber grommet and is wired to chassis backup lights. Installation at rear provides a protected environment for alarm, free from damage from road spray and debris.	
34.	1	Hour meter installed to record PTO operating hours	
35.	1	Install Altec MP System for in-cab accessory switch panel. Includes dual lit switches for function identification and function activation.	

INSTALLATION

36.	1	Mounting Altec Aerial Device	
37.	1	Altec Aerial Device painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
38.	1	Mounting body and accessories	
39.	1	Painting body and accessories white with urethane enamel	
40.	1	Safety and Instructional Signs, installed	
41.	1	Vehicle height placard is to be placed in view of driver	
42.	1	Delivery of completed vehicle	

MISCELLANEOUS

43.	1	This aerial device is designed in a facility that is certified to meet ISO 9001	
44.	1	One (1) year parts warranty	
45.	1	One (1) year labor warranty	

TA50 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
46.	1	Ninety (90) days warranty for travel charges	
47.	1	Bidder 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.	
48.	1	For so long as the initial purchaser owns the product, major components warranty at an Altec service facility (See Altec Limited Warranty)	

LIST PRICE	\$ 116,468.00
STATE DISCOUNT	#####
STATE PRICE	\$ 105,880.00

RECOMMENDED CHASSIS

- 1 Cab to Axle – 84 inches
GVWR: 33,000lbs

See chassis specs, options, and pricing at end of Pricelist

OPTIONS

1.	1	Rustproofing. ADD...	\$ 577
2.	1	Tool circuit below rotation, installed at curbside of tailshelf. ADD...	\$ 560
3.	1	Rear outriggers, installed. Includes subbase with longitudinal through storage and rear drop down door. ADD...	\$ 9,103

TA50 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>		<u>Price</u>
4.	1	#223 Single Two-Man Platform with hydraulically articulating jib (Altec ARMH Jib) – Platform end mounted, rotates 180 degrees around boom tip. ADD...	\$	6,155
5.	1	Aluminum crossmembers, treadplate floor, cargo wall liners and compartment tops. ADD...	\$	3,205
6.	1	Aluminum tailshelf in lieu of steel. ADD...	\$	267
7.	1	Aluminum ladder rack assembly, installed. ADD...	\$	647
8.	1	Curbside 2 nd vertical standard compartment in lieu of access walkway. DEDUCT...	\$	(241)
9.	1	Delete top opening lid above curbside horizontal. DEDUCT...	\$	(195)
10.	1	72”L x 18”W x 12”H aluminum box with top opening lid. ADD...	\$	995
11.	1	132”L gripstrut for installation on compartment top, each. ADD...	\$	774
12.	1	Ganglock system for body compartments, padlocks supplied by customer. ADD...	\$	411
13.	1	Cab guard. ADD...	\$	3,366
14.	1	LED FMVSS #108 Lighting Package in lieu of standard. ADD...	\$	301
15.	1	Star Beam dual bulb R/C spotlight. ADD...	\$	1,097
16.	1	Post Mount spotlight, each. ADD...	\$	349
17.	1	Additional 4” round strobes, each. ADD...	\$	297
18.	1	Whelen Model #9308 patrol style light bar (or equivalent). ADD...	\$	2,831
19.	2	TST Underbody lights. ADD...	\$	384
20.	1	1200W inverter with GFI receptacle installed at curbside rear. ADD...	\$	1,514

TA50 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>		<u>Price</u>
21.	1	Custom color for fiberglass body in lieu of white. ADD...	\$	1,601
22.	1	Painting unit, body, steel accessories customer specific color code. ADD...	\$	1,028

Important Note: The Altec ISO-Grip™ System, like the insulated upper boom and insulated lower boom insert, is not a primary protection system. These systems offer an additional layer of secondary dielectric protection for the operator, but they are not intended to replace safe work practices or primary methods of protection such as cover-up and the use of personal protection equipment, including rubber gloves and sleeves.



March 1, 2013

OH STS Contract #7751501908
TA60 Aerial Device
For 33k GVWR Chassis Application
60' Telescopic Articulating Aerial Device

Item Quantity Description Price

UNIT

1. 1 Altec Model TA60 telescopic articulating aerial with an insulated lower arm, insulated telescopic upper boom and an insulated ISO-Grip™ (Patent Applied For) system at the boom tip, for installation behind chassis cab, built in accordance to Altec's standard specifications and to include the following features:
- A. Ground to Bottom of Platform Height: 59.8 feet at 14.3 feet from centerline of rotation (18.2 m at 4.4 m)
 - B. Working Height – 64.8 feet (19.8 m)
 - C. Maximum Reach to Edge of Platform: 40.1 feet at 26.6 foot platform height (12.2 m at 8.1 m)
 - D. Lower Boom Insulator: Provides 12.0 inches (305 mm) of isolation
 - E. Hydraulic System: The open-center hydraulic system operates at a system pressure of 3,000 psi (20 685 kPa, 207 bar) and a free flow rate of 8.2 gpm (30.8 lpm). The system consists of a pump, hydraulic oil reservoir, inlet manifold, lower control valve, tool/jib valve and single handle upper control valve assembly.
 - F. Pedestal: Post type pedestal design with large service openings. Pedestal consists of fixture welded steel tubing 16.0 inch (407

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		mm) diameter. The 1.63 inch (41 mm) top plate of the pedestal is machined after welding to provide a rigid, flat mounting surface for the rotation bearing. This extends the life of the bearing and reduces life cycle cost. The pedestal is attached to the chassis frame utilizing a shear plate installation technique.	
		G. <u>Rotation</u> : Continuous rotation is provided by worm gear drive, equipped with extended shaft for manual rotation, driving a shear ball bearing rotation gear. The fully adjustable rotation drive assembly includes an external eccentric ring adjustment of the gearbox pinion gear to the main rotation bearing, permitting the <u>ability to easily adjust backlash</u> , reduce boom side play and ensure proper tooth contact over the life of the unit. This reduces life cycle cost. All bearing attachment bolts are easily accessed from outside the pedestal and inside the turntable.	
		H. <u>Turntable</u> : Steel fixture-welded structure with a 1.25 inch (32 mm) steel bottom plate. The bottom plate of the turntable is machined after welding to ensure a flat mounting surface for the rotation bearing. The hydraulic rotary joint and hydraulic hoses are located on the turntable for ease of access. The main control valve is located outside the turntable for convenience and ease of access and is covered for protection.	
		I. <u>Articulating Arm</u> : 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 maintain 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.	
		J. <u>Lift Cylinders</u> : The rod eye is welded to the rod while the blind end of the cylinder is of cast steel, one piece design, which utilizes cartridge-type, bi-directional counter-balance holding valves. Non-lubricated type bushings are used at the trunnion pins. The rod end has a spherical-type bearing.	
		K. <u>Lower Boom</u> : Fabricated, reinforced steel box structure. Ultra high molecular weight polyurethane slide pads are installed at the boom tip to guide the telescopic upper boom. These pads have a large contact area in order to reduce wear. The pads are shimmed and attached for ease of adjustment or replacement without disassembly of the booms.	

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
L.		<u>Lower Boom Pivot Pin</u> : high strength chrome plated steel with self-lubricating, replaceable, non-metallic bearings.	
M.		<u>Telescopic Upper Boom</u> : filament wound, round fiberglass, providing a minimum of 38.0 inches (965 mm) of isolation for the TA50, 16.0 inches (406 mm) for the TA55, and 36 inches (914 mm) for the TA60. The inner surface of the fiberglass boom is impregnated with a wax compound to provide a dry, smooth inner surface which will cause moisture to bead. The outer surface has a smooth gelcoat finish.	
N.		<u>Upper Boom Extension</u> : The upper boom 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.	
O.		<u>Platform Leveling System</u> : 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.		<u>Platform</u> : Totally enclosed, fiberglass.	
Q.		<u>Controls</u> : The control system is an open-center full pressure, hydraulic manual control system incorporating a four-function single handle control actuating multiple valve sections at the platform. The single handle control activates Lower Boom— <i>Up and Down</i> , Upper Boom— <i>Extend and Retract</i> , Rotation— <i>Clockwise/Counter-clockwise</i> , and Articulating Arm— <i>Raise and Lower</i> . Multi-lever control handles are used to activate jib, winch, and platform tilt and rotate. The single handle control incorporates an interlock trigger and safety interlock at the platform. Activation of the interlock is required when operating a boom function. An air plunger controls the optional engine start/stop or throttle systems. An emergency stop valve is also provided at the upper controls.	

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
R.		<u>Lower Boom Lifting Eye</u> : provides for 1,000 pounds (454 kg) of lifting capacity.	
S.		<u>Hydraulic Tool Circuit</u> : Control easily accessible to the operator activates the tool circuit which provides 8.0 gpm (30.3 lpm) at 2,000 psi (13 790 kPa). Two sets of hydraulic tool outlets are standard at the boom tip; they consist of two sets of quick disconnect couplings at the platform, a valve assembly inside the control cover, and detented control handle.	
T.		<u>Outrigger/Boom Interlock System</u> : Helps prevent operator from using unit until all outriggers are lowered.	
U.		<u>Outrigger/Unit Selector Control</u> : 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.	
V.		<u>Outrigger Motion Alarm</u> : Provides audible alarm when any of the outriggers are in motion.	
W.		<u>Back-up Alarm</u> , installed	
X.		<u>Diagnostic Pressure Test Quick Disconnect Couplings</u> : 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 reduces life cycle cost.	
Y.		<u>ISO 9001</u> : This aerial device is designed in a facility that is certified to meet ISO 9001 requirements.	
Z.		<u>ANSI Category C, 46 kV and below dielectric rating</u>	
AA.		<u>Manuals</u> : Two (2) Operator's and two (2) Maintenance/Parts manuals.	
BB.		<u>Paint</u> : Painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
2.	1	#289 Pedestal, Rear Mount, High Cab Height – includes 43 inch (1092 mm) pedestal height, 91.5 inch (2324 mm) mast height – recommended for TA55 and TA60, installed in tall cab height chassis	
3.	1	#220 Single Two-Man Platform – Platform end mounted, rotates 180 degrees around boom tip	
4.	1	#244 Outriggers, Primary – For rear mounted unit, outrigger mounts behind cab, swivel shoe	
5.	1	#242 Outriggers, Auxiliary – Required for TA55 and TA60 Rear Mount Configurations, optional for TA50. Flat shoe modified H-frame, 102 inches (2591 mm) maximum spread (outside of footpad to outside of footpad) and 6.7 inches (170 mm) of penetration. Shipped loose. Includes outrigger interlocks and motion alarms.	
6.	1	#296/310 Remote Engine Start/Stop with Secondary Stowage System – captive air from platform as above with 12 VDC electric powered operating system, includes pump and motor, operates from truck battery	
7.	1	#343 Remote throttle control, captive air, 2-speed	
8.	1	Slip Ring – 4 Circuits	
9.	1	#255 Platform Cover – soft vinyl, 24 x 48 inches (610 x 1219 mm)	
10.	1	#259 Platform Liner – for two-man fiberglass platform, 24 x 48 inches (610 x 1219 mm), 50 kV rating (minimum)	
11.	1	#391 Power Distribution Module installed behind driver's seat	

Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches (305 x 330 mm), designed to be mounted behind the driver's seat, inside the cab. Additional modules plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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components. The PDM includes built in test capabilities and diagnostic input, output and status LED's to quickly assess the PDM's performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required.

The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby reducing maintenance costs.

- | | | | |
|-----|---|---|--|
| 12. | 2 | #355 Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, interlocking buckles on leg straps and nylon web loop fall arrest attachment on back. Lanyard has built in shock absorber that allows 28 inches (711 mm) of automatic adjustability. | |
|-----|---|---|--|

UNIT AND HYDRAULIC ACCESSORIES

- | | | | |
|-----|---|---|--|
| 13. | 1 | Hydraulic oil and lubricants | |
| 14. | 1 | Power take-off to be installed in conjunction with transmission | |
| 15. | 1 | Hydraulic pump – right hand rotation, gear type | |
| 16. | 1 | Subbase assembly consisting of 6 x 4 inch (152 x 102 mm) rectangular tubing on each side for mounting of pedestal and outriggers. The subbase provides torsional stiffness and strength. To include subbase storage compartment with rear drop down door. | |
| 17. | 1 | Pair, rubber wheel chocks, 10”L x 8”W x 5 ½”H. | |

BODY

- | | | | |
|-----|---|--|--|
| 18. | 1 | BrandFX Aerial Service Line Body (BFXB150-48), suitable for installing on any chassis with an approximate CA dimension of 108 inches, built in accordance with the following specifications: | |
|-----|---|--|--|

A. Body Dimensions:

- 150 inch overall body length
- 94 inch outside width
- 48 inch body height
- 18 inch compartment depth

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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58 inch floor width

B. Specific Body Items:

- Treadplate installed in cargo area
- Heavy duty 6" steel crossmembers
- Stainless steel hinges and recessed two stage paddle latches.
- Door holders on all compartment doors
- Automotive bulb type rubber door seals
- **Deluxe interior package with material trays, hooks, and long shelf storage.**
- Top opening access above curbside horizontal with weatherproof lid.
- Access walkway in 2nd vertical on curbside.
- Four (4) outrigger pad holders installed at front and rear of body.
- Two (2) wheel chock holders installed in body fenders
- Dome lighting with master switch in cab.
- White exterior finish

- | | | |
|-----|---|---|
| 19. | 1 | 30" Steel tailshelf installed at rear of body |
| 20. | 2 | Grab handles, installed one each side at rear of tailshelf |
| 21. | 2 | Cable steps, installed one each side at rear of tailshelf |
| 22. | 1 | Bumper, gripstrut step surface and allowance for pintle hook installation, installed at rear of body on each side of frame rails. |
| 23. | 1 | Heavy-duty platform support, installed. |

BODY ACCESSORIES

- | | | |
|-----|---|---|
| 24. | 2 | Splash aprons, installed |
| 25. | 1 | Triangular reflector kit |
| 26. | 1 | Five pound fire extinguisher with mounting bracket, shipped loose |
| 27. | 4 | DICA 24x22x1 outrigger pads, installed. |
| 28. | 1 | Heavy duty pintle hook with chassis frame reinforcement and two |

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		(2) safety chain rings	

ELECTRICAL ACCESSORIES

29.	1	Lights and reflectors in accordance with FMVSS #108 lighting package, installed	
30.	1	Wire compartment lights to dash mounted switch.	
31.	1	Trailer Receptacle, installed at rear	
32.	1	LED amber strobes on posts at front of cargo area.	
33.	1	Four Corner LED Strobe System, installed: A) Two 4" round amber strobes in rear light channel B) Two strobe capsules in front turn signal housings C) Master switch in cab	
34.	1	Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.	
35.	1	Backup alarm, installed at rear. Backup alarm adjusts automatically to provide from 87 to 112 decibels alarm, depending on ambient noise conditions. Alarm is installed in 4.5 inch (114 mm) diameter hole with rubber grommet and is wired to chassis backup lights. Installation at rear provides a protected environment for alarm, free from damage from road spray and debris.	
36.	1	Hour meter installed to record PTO operating hours	
37.	1	Install Altec MP System for in-cab accessory switch panel. Includes dual lit switches for function identification and function activation.	

INSTALLATION

38.	1	Mounting Altec Aerial Device	
39.	1	Altec Aerial Device painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
40.	1	Mounting body and accessories	
41.	1	Painting body and accessories white with urethane enamel	
42.	1	Safety and Instructional Signs, installed	
43.	1	Vehicle height placard is to be placed in view of driver	
44.	1	Delivery of completed vehicle	

MISCELLANEOUS

45.	1	This aerial device is designed in a facility that is certified to meet ISO 9001	
46.	1	One (1) year parts warranty	
47.	1	One (1) year labor warranty	
48.	1	Ninety (90) days warranty for travel charges	
49.	1	Bidder 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.	
50.	1	For so long as the initial purchaser owns the product, major components warranty at an Altec service facility (See Altec Limited Warranty)	

LIST PRICE	\$ 124,165.00
STATE DISCOUNT	\$ 11,287.00
STATE PRICE	\$ 112,878.00

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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RECOMMENDED CHASSIS

1.	1	CA: 108" GVWR: 33,000lbs	
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See chassis specs, options, and pricing at end of Pricelist

OPTIONS

1.	1	ALTEC Model TA55 telescopic articulating aerial with an insulated lower arm, insulated telescopic upper boom and an insulated ISO-Grip™ (Patent Applied For) system at the boom tip, for rear mount installation, built in accordance to ALTEC'S standard specifications and to include the following features: A. <u>Lower Boom Insulator</u> : Provides 8.5 inches (216 mm) of isolation B. <u>Maximum Reach to Edge of Platform</u> : 38.3 feet at 22.7 foot platform height (11.7 m at 6.9 m) C. <u>Working Height</u> – 59.4 feet (18.1 m) D. <u>Ground to Bottom of Platform Height</u> : 54.4 feet at 13.6 feet from centerline of rotation (16.6 m at 4.1 m)	\$	(3,980)
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DEDUCT...

2.	1	Rustproofing. ADD...	\$	577
3.	1	#223 Single Two-Man Platform with hydraulically articulating jib (Altec ARMH Jib) – Platform end mounted, rotates 180 degrees around boom tip. ADD...	\$	3,508
4.	1	Tool circuit below rotation, installed at curbside rear of tailshelf. ADD...	\$	560
5.	1	Aluminum tailshelf in lieu of steel. ADD...	\$	267
6.	1	Aluminum crossmembers, treadplate floor, cargo wall liners, and	\$	2,889

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		compartment tops. ADD...	
7.	1	Transverse compartment with aluminum treadplate overlay between 1 st verticals. To include top opening lid and center shelf. ADD...	\$ 1,151
8.	1	Pull out drawer in bottom of transverse. ADD...	\$ 554
9.	1	Aluminum ladder rack, installed. ADD...	\$ 647
10.	1	Curbside 2 nd vertical to be standard compartment in lieu of access walkway. DEDUCT...	\$ (241)
11.	1	Delete top opening lid above curbside horizontal. DEDUCT...	\$ (195)
12.	1	96"L x 18"W x 12"H aluminum box with two (2) top opening lids. ADD...	\$ 1,035
13.	1	Gripstrut assembly for installation on compartment top, up to 150"L, each. ADD...	\$ 2,105
14.	1	Ganglock system for body compartments, padlocks supplied by customer. ADD...	\$ 411
15.	1	Cab Guard. ADD...	\$ 3,367
16.	1	LED FMVSS #108 Lighting Package. ADD...	\$ 301
17.	1	Star Beam dual bulb R/C spotlight. ADD...	\$ 1,097
18.	1	Post mount spotlight, each. ADD...	
19.	1	Additional 4" round LED strobes, each. ADD...	\$ 349
20.	1	Whelen model #9308 patrol style light bar (or equivalent). ADD...	\$ 2,831
21.	2	TST Underbody Lights. ADD...	\$ 384
22.	1	1200W inverter with GFI receptacle installed at curbside rear. ADD...	\$ 1,514
23.	1	Custom color for gelcoat in lieu of standard white. ADD...	\$ 1,601

TA60 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>		<u>Price</u>
24.	1	Painting steel portions of build to customer specific color code. ADD...	\$	1,028

Important Note: The Altec ISO-Grip™ System, like the insulated upper boom and insulated lower boom insert, is not a primary protection system. These systems offer an additional layer of secondary dielectric protection for the operator, but they are not intended to replace safe work practices or primary methods of protection such as cover-up and the use of personal protection equipment, including rubber gloves and sleeves.



March 1, 2013

OH STS Contract #7751501908
AA55/55E Aerial Device
For 33k GVWR Chassis Application
55' Articulating Non-Overcenter Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>UNIT</u>	
1.	1	#202 Altec Model AA55 articulating non-overcenter aerial device with an insulating lower arm, insulating telescopic upper boom and the Altec ISO-Grip™ (patent applied for) system, an upper control system incorporating high resistance components at the boom tip, for installation over rear axle, built in accordance to Altec's standard specifications and to include the following features: <ul style="list-style-type: none">A. <u>Ground to Bottom of Platform Height</u>: 55.1 feet at 29.2 feet from centerline of rotation (16.8 m at 8.9 m)B. <u>Working Height</u>: 60.1 feet (18.3 m)C. <u>Maximum Reach to Edge of Platform with Lower Boom at 105°</u>: 37.7 feet (11.5 m) (standard reach)C. <u>Pedestal and Turntable</u>: Box structure design with large service openings, 1.50 inch (38 mm) top plate of pedestal and stiffened 1.50 inch (38 mm) bottom plate of turntable machined after welding to provide a rigid, flat mounting surface for the rotation bearing. This extends the life of the bearing and reduces life cycle cost.D. <u>Rotation</u>: Continuous rotation provided by worm gear drive, equipped with extended shaft for manual rotation, driving a shear ball bearing rotation gear. The fully adjustable rotation drive assembly includes an external eccentric ring adjustment of the gearbox pinion gear to the main rotation bearing, permitting the	

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<p><u>ability to easily adjust backlash</u>, reduce boom side play and ensure proper tooth contact over the life of the unit. This reduces life cycle cost.</p>	
E.		<p><u>Lift Cylinders</u>: The rod eye is both thread and weld fastened to the rod while the blind end of the cylinder is of cast steel, one piece design, cartridge-type, bi-directional counter-balance holding valves. Self-aligning, spherical ball-type bushings are used at each end of the cylinder.</p>	
F.		<p><u>Lower Boom</u>: Fabricated, reinforced steel with a round centrifugally cast, high-density fiberglass insulator. Insulator provides 24 inches (610 mm) of isolation in the lower boom. The inner surface of the fiberglass insulator has a wax coating molded in during manufacture to provide a dry, smooth inner surface, which will cause moisture to bead. The outer surface has a smooth gelcoat finish. Lower boom articulation is 0° to 105°</p>	
G.		<p><u>Lower Boom Stow Protection</u>: To help prevent excessive down pressure by boom structures when stowing.</p>	
H.		<p><u>Lower Boom Pivot Pin</u>: high strength chrome plated steel with self-lubricating, replaceable, non-metallic bearing.</p>	
I.		<p><u>Upper Boom</u>: Round centrifugally cast, high density fiberglass, providing a minimum of 15.9 feet (4.8 m) of isolation in the upper boom. The inner surface of the fiberglass boom has a wax coating molded in during manufacture to provide a dry, smooth inner surface, which will cause moisture to bead. The outer surface has a smooth gelcoat finish. Upper boom articulation is 0° to 173°</p>	
J.		<p><u>Boom Compensation Linkage</u>: Hydraulically compensate upper boom controlled through the main control valve pilot system. Booms are compensated from upper controls with the ability to independently control the upper boom. From lower controls the booms can be operated individually without compensation. A non-overcenter system monitors the position of the upper boom and when activated disables both the pilot system and main boom spools.</p>	
K.		<p><u>Upper Boom Hold Down Device</u></p>	
L.		<p><u>Platform Leveling System</u>: The platform is leveled by a single leveling chain with fiberglass rods in upper boom, designed to</p>	

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		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. <u>Emergency Stop</u> at upper and lower control stations	
		N. <u>Platform</u> : Totally enclosed, fiberglass.	
		P. <u>ISO-Grip™ System</u> : The Altec ISO-Grip™ (Patent Applied For) System includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system. <ol style="list-style-type: none">1. <u>Control Handle</u>: A single handle controller incorporating high electrical resistance components that is dielectrically tested to 40 kV AC with no more than 400 microamperes 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.2. <u>Auxiliary Control Covers</u>: Non-tested blue silicon covers for auxiliary controls.3. <u>Control Console</u>: Non-tested non-metallic control console plate.4. <u>Boom Tip Covers</u>: Non-tested non-metallic boom tip covers. The covers are not dielectrically tested, but they may provide some protection against electrical hazards.	
		Q. <u>Control Purging System</u> : The hydraulic 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.	
		R. <u>Diagnostic Pressure Test Quick Disconnect Couplings</u> : Couplings are installed at turntable and include dust caps. Couplings allow a technician to quickly check tool and system pressure settings.	
		S. <u>Outriggers</u> : Primary, flat shoe, A-frame outrigger installed at rear, behind pedestal with 149 inch (3785 mm) maximum spread (standard reach)	
		T. <u>Outrigger Control Valves</u> : A single solenoid operated valve	

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		controls the four outriggers. The valve contains four spools that control each outrigger. Each outrigger spool has a solenoid on either end. The valve is controlled by rocker switches.	
		U. <u>Outrigger/Boom Interlock System</u> : Prevents boom from being unstowed until outriggers have been at least partially deployed.	
		V. <u>Outrigger/Unit Selector Control</u> : 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.	
		W. <u>Outrigger Motion Alarm</u> : Provides audible alarm when any of the outriggers are in motion.	
		X. <u>Back-up Alarm</u> , installed	
		Y. <u>ISO 9001</u> : This aerial device is designed and manufactured in a facility that is certified to meet ISO 9001 requirements.	
		X. <u>Manuals</u> : Two (2) Operator's and two (2) Maintenance/ Parts manuals containing instructional markings indicating hazards inherent in the operation of an aerial device.	
		Z. <u>Paint</u> : Painted white with the Altec Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electrostatically applied to the <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
2.	1	#219 Single two man end mounted platform includes hydraulic tool lines in boom to furnish 8.0 gpm at 2,000 psi (30.3 lpm/13 800 kPa). 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. Platform is 24 x 48 x 42 inches high (610 x 1219 x 1067 mm), rated at 700 pounds (317.5 kg) capacity.	
3.	1	ANSI Category B, 46 kV and below dielectric rating	
4.	1	#205 Load Sense hydraulic system, closed center, pressure compensating which provides the required flow and pressure on demand, resulting in increased fuel savings, reduced heat in the	

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		hydraulic system and less noise pollution	
5.	1	#369 Reservoir, triangular 30 gallon (113.6 L) capacity, located in the cargo area	
6.	1	#295/310 Engine start/stop with Secondary Stowage System, 12 VDC electric powered. 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.	1	#450 Primary, fold-up shoe, A-frame outrigger installed at rear, behind pedestal with 153" maximum spread.	
8.	1	#241 Auxiliary, flat-shoe, A-frame outrigger installed at front of body, behind cab with 149 inch (3785 mm) maximum spread.	
9.	1	#297 Outrigger control valves with tool circuit, contains four spools that control each outrigger and a fifth spool to control tool function. Hydraulic tool circuit includes one set of quick disconnect couplings, installed at tailshelf to supply 8.0 gpm and 2,000 psi to operate either open or closed center tools.	
10.	1	Throttle Control Interface for electronic engines, automatically increases engine speed when needed for proper hydraulic system operation	
11.	1	#355 Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, interlocking buckles on leg straps and nylon web loop fall arrest attachment on back. Lanyard has built in shock absorber that allows 28 inches (711 mm) of automatic adjustability.	
12.	1	#313 Lower boom lifting eye provides from 800 pounds (362.0 kg) capacity at 0° to 2,000 pounds capacity at lower boom angles greater than 60°	
13.	1	#255 Soft platform cover for two man platform	
14.	1	#259 Polyethylene platform liner for two man platform, 50 kV rating (minimum)	
15.	1	#291 Platform access step for side mounted platforms, installed on	

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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top of body compartments

16. 1 Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches (305 x 330 mm), designed to be mounted behind the driver's seat, inside the cab. Additional modules plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical components. The PDM includes built in test capabilities and diagnostic input, output and status LED's to quickly assess the PDM's performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required.

The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby reducing maintenance costs.

UNIT AND HYDRAULIC ACCESSORIES

17. 1 Scuff pad for 24 x 48 inch (610 x 1219 mm) platform liner to protect liner floor
18. 1 Mil Spec hydraulic oil and lubricants
19. 1 Hydraulic pump, load sensing, pressure and flow compensating piston type, installed. Rated at 21gpm (75.7 lpm) (**standard reach**)
20. 1 Power take-off to be installed in conjunction with Allison automatic transmission
21. 1 (Set) Rubber wheel chocks, 10"L x 9"W x 5 3/4"H.
22. 1 Subbase assembly consisting of 6 x 4 inch (152 x 102 mm) rectangular tubing on each side for mounting of pedestal and outriggers. The subbase provides torsional stiffness and strength. To include longitudinal through storage with drop down door and stops at 110" in side and center sections.

BODY

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
23.	1	Steel Body, suitable for installing on any chassis with an approximate CA dimension of 120 inches, built in accordance with the following specifications, including a walk-in step: <ul style="list-style-type: none">A. <u>Body</u>: Fabricated from A60 grade 100% zinc alloy coated steel with the following minimum gauge thickness:<ul style="list-style-type: none">16 gauge outside panels16 gauge top panels14 gauge end panels20 gauge inner door panels20 gauge outer door panels18 gauge shelving, spangled steel14 gauge wheel panels12 gauge steel floor, formed checker plateStructural channel crossmembersGalvannealed treadplate installed on top of body compartmentsWheel chock holders installed one (1) each side of body in fender panelDrop-in tailboard at rear of cargo areaRadial wheel well linersRope lightingB. <u>Body Dimensions</u>:<ul style="list-style-type: none">170 inch overall body length93 inch outside width46 inch body height18 inch compartment depth57 inch floor widthC. <u>Compartmentation – Right Side</u>:<ul style="list-style-type: none"><u>First Vertical</u> – Three (3) adjustable shelves with removable dividers on 4 inch centers<u>Second Vertical</u> – Six (6) material hooks.<u>Third Vertical</u> – Access steps to cargo area (Treadplate)<u>Horizontal</u> – Two (2) fixed shelves with removable dividers on 8 inch centers<u>Rear Vertical</u> – Seven (7) material hooksD. <u>Compartmentation – Left Side</u>:	

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>First Vertical</u> – Three (3) adjustable shelves with removable dividers on 4 inch centers	
		<u>Second Vertical</u> – Six (6) material hooks beneath shelf.	
		<u>Third Vertical</u> – Six (6) material hooks beneath shelf.	
		<u>Horizontal</u> – One (1) plain fixed shelf extending through rear vertical compartment	
		<u>Rear Vertical</u> – Top portion incorporated into horizontal compartment, lower portion is vacant.	
		<u>Through Shelf</u> – From second vertical to rear of left side with hotstick brackets and rear access door	
E.		<u>Standard Features:</u>	
		Basic body fabricated from A60 grade 100% zinc alloy coated steel	
		All doors are full, double paneled, self-sealed with built-in drainage. Electro-zinc plated, steel hinge rods extend full length of door. Door hinges are zinc alloy material attached with rivets.	
		All doors contain zinc plated flush type, single point paddle type locks with recessed handles, including keyed locks and adjustable two-stage strikers. Door handles are riveted to the outer door panel. Back panel has opening for easy access.	
		Heavy-gauge welded steel base construction with safety tread floor.	
		Door header drip rail at top for maximum weather protection.	
		Neoprene fenders on wheel fender panels.	
		Automotive underseal applied to entire understructure.	
		Prime painted with two part epoxy.	
		Automotive type non-porous door seals mechanically fastened to the door facing.	
24.	1	Steel treadplate tailshelf installed at rear of body	
25.	1	Cable step installed at access steps on right side	
26.	1	Grab handle installed at access steps on right side	
27.	4	Outrigger pad holders installed on underside of body.	
28.	1	Access step installed on side of cargo area for access to top of compartment	
29.	1	Boom rest support installed between front of body and back of chassis cab	

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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BODY ACCESSORIES

- | | | | |
|-----|---|---|--|
| 30. | 2 | Splash aprons, installed | |
| 31. | 2 | Rubber dock bumpers installed one each side at rear | |
| 32. | 4 | Composite outrigger pads, 2" thick. | |
| 33. | 1 | Triangular reflector kit | |
| 34. | 1 | Ten pound fire extinguisher with mounting bracket, shipped loose | |
| 35. | 1 | Heavy duty T125 type pintle hook with chassis frame reinforcement and two (2) safety chain rings installed at 28inches (+/- 1 inch) from ground to center of eye. | |

ELECTRICAL

- | | | | |
|-----|---|--|--|
| 36. | 1 | LED Lights and reflectors in accordance with FMVSS #108 lighting package, installed | |
| 37. | 1 | Trailer Receptacle, installed at rear. Customer specified. | |
| 38. | 2 | LED Amber strobe light installed at each side of boom support with master switch and indicator light installed in cab. Strobe light is to be visible from the front and rear of the vehicle. | |
| 39. | 1 | Four Corner LED Strobe System, installed:
A) Two 4" round amber strobes in rear light channel
B) Two strobe capsules in front turn signal housings
C) Master switch in cab | |
| 40. | 1 | Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion. | |
| 41. | 1 | Backup alarm, installed at rear. | |
| 42. | 1 | Hour meter installed to record PTO operating hours | |
| 43. | 1 | Install Altec MP System for in-cab accessory switch panel. Includes dual lit switches for function identification and function activation. | |

INSTALLATION

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
44.	1	Mounting Altec Aerial Device	
45.	1	Altec Aerial Device painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
46.	1	Mounting body and accessories	
47.	1	Painting body and accessories white with urethane enamel	
48.	1	Safety and Instructional Signs, installed	
49.	1	Vehicle height placard is to be placed in view of driver	
50.	1	Delivery of completed vehicle	
51.	1	DOT certification of completed vehicle	

MISCELLANEOUS

52.	1	This aerial device is designed and manufactured in a facility that is certified to meet ISO 9001	
53.	1	One (1) year parts warranty	
54.	1	One (1) year labor warranty	
55.	1	Ninety (90) days warranty for travel charges.	
56.	1	For so long as the initial purchaser owns the product, major components warranty at an Altec service facility (See Altec Limited Warranty)	
57.	1	Bidder 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.	

LIST PRICE

\$ 107,343.00

STATE DISCOUNT

\$ 9,758.00

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		STATE PRICE	\$ 97,585.00

RECOMMENDED CHASSIS

58. 1 CA: 120”
GVWR: 33,000lb

See chassis specs, options, and pricing at end of Pricelist

OPTIONS

1.	1	#204 Altec Model AA55E (extended reach) in lieu of AA55 standard reach , articulating non-overcenter aerial device with an insulating lower arm, insulating telescopic upper boom and the Altec ISO-Grip™ (patent applied for) system, an upper control system incorporating high resistance components at the boom tip, for installation over rear axle, built in accordance to Altec’s standard specifications and to include the following features: ADD...	\$ 4,962
2.	1	50’ in lieu of 55’ aerial device. DEDUCT...	\$ (550)
3.	1	60’ in lieu of 55’ aerial device. ADD...	\$ 8,115
4.	1	Overcenter aerial device. ADD...	\$ 2,610
5.	1	24” platform elevator assembly. Platform capacity deduct of 50lbs. ADD...	\$ 3,434
6.	1	#220 Single, two-man rotating end-mount – 24 x 48 x 42 (610 x 1219 x 1067 mm). Platform is rated at 700 pounds (317.5 kg) and rotates 180 degrees. Includes tool circuit. In lieu of code #219. ADD...	\$ 1,790
7.	1	#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.	\$ 10,520

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		In lieu of code #219. ADD...	
8.	1	Lower tool hydraulic circuit at tailshelf. ADD...	\$ 560
9.	1	Security lock system installed to allow left side compartments to be padlocked at the rear of the body. Right side rear compartments may be padlocked at the rear. Right side front compartments may be padlocked at the front. Padlocks are to be furnished by the customer. ADD...	\$ 495
10.	1	Rustproofing. ADD...	\$ 577
11.	1	Astoria fiberglass body in lieu of steel body . Includes following features: - Aluminum rock guards - Aluminum structural channel crossmembers - Spring loaded door holders on all vertical compartments - Vinyl coated chain on horizontal doors - Stainless steel latches on compartment doors - Drop in plastic tailboard at rear of body with aluminum pockets. - Drop in plastic board at access walkway with aluminum pockets. - Aluminum treadplate riser 6" up each side of cargo wall. ADD...	\$ 8,229
12.	1	Custom color for gelcoat on fiberglass body in lieu of standard white . ADD...	\$ 1,919
13.	1	Aluminum tailshelf in lieu of steel . ADD...	\$ 121
14.	1	Aluminum gripstrut assembly for compartment top (up to 170"L). ADD...	\$ 1,083
15.	1	80"L x 18"W x 18"H aluminum top opening box with gas props and locking hasp. ADD...	\$ 1,108
16.	1	Cab guard assembly. ADD...	\$ 2,228
17.	1	Star Beam dual bulb R/C spotlight. ADD...	\$ 1,097
18.	1	Post mount spotlight, each. ADD...	\$ 349
19.	1	Additional 4" round LED strobes, each. ADD...	\$ 297

AA55/AA55E Aerial Device Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>		<u>Price</u>
20.	2	TST Underbody lights. ADD...	\$	384
21.	1	1200W inverter with GFI receptacle installed at curbside rear. ADD...	\$	1,514
22.	1	Hastings grounding reel with 50' of 1/0 cable. Includes 3 point ground system with front and rear lugs. ADD...	\$	3,529
23.	1	Custom color code in lieu of standard white for steel portions of build. ADD...	\$	1,028
24.	1	Front bumper cone holder. Horizontal bar with pivot at curbside and locking pin at streetside. ADD...	\$	599
25.	1	Front bumper cone holder. Vertical storage with loops. ADD...	\$	750

Important Note: The Altec ISO-Grip™ System, an upper control system incorporating high resistance components at the boom tip, like the insulating upper boom and insulating lower boom insert, is not a primary protection system. These systems offer an additional layer of secondary dielectric protection for the operator, but they are not intended to replace safe work practices or primary methods of protection such as cover-up and the use of personal protection equipment, including rubber gloves and sleeves.



March 1, 2013

OH STS Contract #7751501908
LRV56/60 Tree Trimming Aerial Device
For 25,999k - 33k GVWR Chassis Application
56'/60' Articulating Overcenter Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>UNIT</u>	
1.	1	<p>#217 Altec Model LRV56 Articulating Overcenter Aerial Device with an insulated lower boom, insulated upper boom and an insulated ISO-Grip™ (Patent Applied For) system at the boom tip, for installation behind the cab, built in accordance to Altec's standard specifications and to include the following features:</p> <p>A. <u>Ground to Bottom of Platform Height</u>: 56.3 feet (17.2 m) at 3.0 feet (0.9 m) from centerline of rotation</p> <p>B. <u>Working Height</u>: 61.3 feet (18.7 m)</p> <p>C. <u>Maximum Reach to Edge of Platform with Upper Boom Overcenter</u>: 46.1 feet at 8.4 foot platform height (14.1 m at 2.6 m).</p> <p>D. <u>Maximum Reach to Edge of Platform with Upper Boom Non-overcenter and Lower Boom at 125 degrees</u>: 43.5 feet at 24.8 foot platform height (13.3 m at 7.6 m).</p> <p>E. <u>Side by Side Boom Configuration</u>: Travel height approximately 12.25 feet (3.7 m)</p> <p>F. <u>Lower Boom Articulation</u>: 0 to 125° (35° beyond vertical) accomplished by single hydraulic cylinder with a spherical bearing at the lower boom</p>	

Altec Model LRV56

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		connection. Equipped with integral holding valves which lock boom in place in the event of a hydraulic line failure and a cushion valve for controlled movement into position at maximum lower boom articulation.	
G.		<u>Upper Boom Articulation</u> : 270° in relation to lower boom, accomplished by dual cylinders with maintenance free Patented walking link drive system . Cylinders are equipped with integral holding valves to lock boom in place in the event of hydraulic line failure or loss of power.	
H.		<u>Pedestal-Subbase</u> : Fabricated from a 16 inch outside diameter x ½ inch (406 x 13 mm) wall steel tube welded into a fabricated steel subbase. Rotation bearing support ring is 1-5/8 inches (41 mm) thick.	
I.		<u>Lower Boom</u> : Fabricated of 12 x 12 x ¼ inch (305 x 305 x 6 mm) wall steel tubing. Length of lower boom is 254 inches (6452 mm) from centerline of lower pivot to centerline of outer pivot.	
J.		<u>Lower Boom Fiberglass Insulator</u> : Filament wound fiberglass insulator with 11-3/8 inch square X 5/8 inch (289 x 16 mm) wall thickness, located in lower end of lower boom. Provides 15 inch (381 mm) clear isolation gap.	
K.		<u>Upper Boom</u> : Filament wound fiberglass with 10 inch (254 mm) inside diameter contains insulated conduit for routing of hydraulic lines and fully contains upper boom leveling system. End of boom shaft has ring for attachment of fall protection system lanyard.	
L.		<u>Rotation</u> : Continuous rotation provided by hydraulic motor driving through a worm gear speed reducer and gear bearing. Capable of rotating full rated platform capacity up a 5° slope (9% grade). Gear box is rated at 22,378 inch pounds. ¾ inch attachment bolts are used	
M.		<u>Platform</u> : Molded fiberglass one-man, side-mounted, fixed mounting.	
N.		<u>Mechanical Platform Leveling System</u> : A positive mechanical parallelogram system of fiberglass insulating rods. Adjustment of leveling system made with turnbuckles located inside the cover on the lower boom and by adjusting studs accessible from the lower end of the upper boom. Platform level adjustment is easily accessible from external location on lower pivot.	
O.		<u>Platform Tilting System</u> – mechanical pin type allows easy removal of water or debris from the platform	
P.		<u>Hydraulic System</u> : Open center hydraulic system functions at 6.5 gpm and 3,100 psi (21 375 kPa). Includes 25 gallon (94.6 l) reservoir, suction	

Altec Model LRV56

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		strainer, return line filter, sectional control valves and plumbing.	
Q.		<u>ISO-Grip™ System</u> : The Altec ISO-Grip™ (Patent Applied For) System includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system. <ol style="list-style-type: none">1. <u>Control Handle</u>: An insulated single handle controller that is dielectrically tested to 40 kV AC with no more than 400 microamperes 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.2. <u>Auxiliary Control Covers</u>: Non-tested blue silicon covers for auxiliary controls.3. <u>Control Console</u>: Non-tested non-metallic control console plate.4. <u>Boom Tip Covers</u>: Non-tested non-metallic boom tip covers. The covers are not dielectrically tested, but they may provide some protection against electrical hazards.	
R.		<u>Hydraulic Tool Circuit</u> : Single tool circuit at boom tip, including one (1) set of Bruning HTMA quick disconnect couplings. Circuit provides 5 – 6 gpm (18.9 – 22.7 lpm) at 2,000 psi (13 789 kPa). Operates open center tools.	
S.		<u>Upper Boom Storage Support</u> : Cradle and tie down strap installed for horizontal stow units. “Low Stow” position also available.	
T.		<u>Outrigger/Boom Interlock System</u> : Helps prevent operator from using unit until all outriggers are lowered.	
U.		<u>Outrigger/Unit Selector Control</u> : 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.	
V.		<u>Outrigger Motion Alarm</u> : Provides audible alarm when any of the outriggers are in motion.	
W.		<u>Back-up Alarm</u> , installed	
X.		<u>Diagnostic Pressure Test Quick Disconnect Couplings</u> : 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 reduces life cycle cost.	
Y.		<u>Manuals</u> : Two (2) Operator’s and two (2) Maintenance/Parts manuals.	

Altec Model LRV56

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Z. <u>Paint</u> : Painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection.	
2.	1	#395 Manual stow securing system	
3.	1	#282 Pedestal & Subbase - Configuration for forestry package (behind the cab) Pedestal and subbase welded together. One three bank valve for installation on curb side for outrigger, outrigger/unit selector and chip box, and one single bank valve for installation on street side for outrigger furnished.	
4.	1	#241 Outriggers, Primary – Forestry package, swivel shoe A-frame, 154 inches (3912 mm) at maximum spread (outside of footpad to outside of footpad) and 7 inches penetration at 40 inch chassis frame height.	
5.	1	#319 Category C, 46kV and below	
6.	1	Pedestal – for behind cab mount	
7.	1	#214 Single one man side mounted, fiberglass platform with shaft-mounted controls (controls are located on the side of the platform nearest the upper boom). Platform is 24 x 24 x 42 inches (610 x 610 x 1067 mm), and is rated at 350 pounds (159 kg)	
8.	1	#296/310 Engine Start/Stop with Secondary Stowage System, 12 VDC electric powered. Includes pump and motor, operates from 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 primary hydraulic source fails.	
		NOTE: Requires code 397 Slip Ring	
9.	1	#343 Throttle Control, Captive Air – Throttle relay and solenoid allows operator to increase engine speed from platform.	
10.	1	#397 Slip Ring NOTE: Required for engine start/stop and secondary stowage system options	
11.	1	#251 Platform Cover – for single, side mounted platform, soft vinyl, 24 x 24	

Altec Model LRV56

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		inch (610 x 610 mm)	
12.	1	#259 Platform Liner 50 kV – for single platform 24 x 24 x 42 inches (610 x 610 x 1067 mm)	
13.	1	#229 Platform Step – located on <u>front</u> outside wall. In stowed position, step will be side of platform nearest elbow.	
14.	1	<p>Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches (305 x 330 mm), designed to be mounted behind the driver’s seat, inside the cab. Additional modules plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical components. The PDM includes built in test capabilities and diagnostic input, output and status LED’s to quickly assess the PDM’s performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required.</p> <p>The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby reducing maintenance costs.</p>	
15.	1	#294 Tool Circuit at Boom Tip, Dual Hydraulic – dual set of Bruning HTMA quick disconnect couplings provides 5.0 – 6.0 gpm at 2,000 psi (19 to 23 lpm at 13 789 kPa). This in lieu of standard single set of quick disconnect couplings. Operates open center tools.	
16.	1	#355 Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, interlocking buckles on leg straps and nylon web loop fall arrest attachment on back. Lanyard has built in shock absorber that allows 28 inches (711 mm) of automatic adjustability.	
17.	1	#369 Shut-Off Valve – at return filter	
<u>UNIT AND HYDRAULIC ACCESSORIES</u>			
18.	1	Hydraulic Oil and Lubricants, installed.	
19.	1	Hot shift PTO for automatic transmission.	

Altec Model LRV56

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
-------------	-----------------	--------------------	--------------

- | | | | |
|-----|---|--|--|
| 20. | 1 | Hydraulic pump, right hand rotation | |
| 21. | 1 | Pair, rubber wheel chocks – 10”L x 8”W x 5 ½”H, installed. | |

BODY

- | | | | |
|-----|---|---|--|
| 22. | 1 | Forestry Body, all components, except structural members, fabricated from A-60 galvaneal coated steel | |
|-----|---|---|--|

- A. Body: Chip Dump Body 14.5 cubic yard (11.1 m³) capacity 93 inches wide x 63 inches high x 132 inches long (2362 x 1600 x 3353 mm) with:

Structural Channel stringers and floor channel.
14 gauge roof.
14 gauge sides and front with full length die-formed reinforcing ribs
12 gauge floor plate with (4) full length die-formed reinforcing ribs.
Rear top and sides of body reinforced for lower boom support.
22½ inches (571 mm) high tailgate, **hinged curb side** with provision to hold open for dumping.
12 gauge rear under body skirt panels
Truck-Lite lighting package with rubber grommet shock mounts and wiring harness in automotive type loom.
Class “C” Hydraulic hoist, **installed, with 45 degree dump angle and body prop.**
Street side built-in ladder compartment, 12 inches wide x 26 inches high (305 x 660 mm) with rear plastisol. Roller and internal security chain.
Pole pruner compartment, 11 inches high (279.4 mm), above ladder compartment with rear locking door.
Interior of chip body finished with coal tar epoxy.
Underside of chip body undercoated (except stringer channels).
Front of chip box to be tapered at 45 degrees

- B. Thru Box: Thru Box tool compartment 48 inches wide x 50 inches high x 93.5 inches long (1219 x 1270 x 2375 mm) with 26.5 inch (673 mm) deep curb and street side compartments with the following compartmentation:

14 gauge top plate
16 gauge side and bottom panels
Street side – single compartment with vertical doors, not over-lapped. Left side has two (2) fixed shelves. Right side has four (4) unequal transverse compartments open to curb side. Compartment bottom 0.5-inch (12.7 mm) plywood liner partitioned for chain saw gas can and wedge storage. Security chain for chain saw provided in bottom.
Curb side – single compartment with vertical doors, not over-lapped. Left

Altec Model LRV56

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		side has four (4) unequal transverse compartments open to street side. All compartments have 0.5-inch (12.7 mm) plywood shelf liners. Top center has two (2) fixed shelves. Top right has six (6) swivel rope hooks (3-0-3). All grip on walking surfaces.	
		C. <u>Standard features:</u> Rivet door locks. Double acting spring type door holders. Door locks are attached by rivets. Paint compartment interiors gray. Rain deflectors above all doors.	
23.	1	Cab Guard	
24.	1	Cab Guard Accessory Kit.	
25.	1	Cab Guard Access Ladder.	
26.	2	Wheel chock holders, installed	
<u>BODY ACCESSORIES</u>			
27.	2	Splash aprons, installed	
28.	1	Triangular reflector kit, installed behind seat	
29.	1	Fire extinguisher, 5 pounds, with bracket, shipped loose	
30.	1	Pintle hook, BP-100A Buyers Products, mounted 22-23 inches (559 – 584 mm) above ground (unloaded), to include safety chain eyes.	
31.	1	Front bumper assembly, installed	
32.	1	Manual Pouch installed behind driver's side seat.	
<u>ELECTRICAL ACCESSORIES</u>			
33.	1	Lights and reflectors in accordance with FMVSS #108 lighting package installed.	
34.	1	6-way trailer receptacle, includes wiring harness installed at rear.	

Altec Model LRV56

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
35.	1	Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.	
36.	1	Backup alarm, installed at rear	
37.	1	Hour meter installed to record PTO operating hours	
38.	2	LED Strobe lights, installed one on cab guard and one at rear corner of chip box.	
39.	1	Install Altec MP System for in-cab accessory switch panel. Includes dual lit switches for function identification and function activation.	

INSTALLATION

40.	1	Install Altec aerial device	
41.	1	Altec Aerial Device painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
42.	1	Mounting body and accessories	
43.	1	Painting body and accessories white with urethane enamel	
44.	1	Safety and instructional signs installed	
45.	1	Vehicle height placard is to be placed in view of the driver	
46.	1	Delivery of completed vehicle	
47.	1	DOT certification of completed vehicle	
48.	1	Paint underneath black – 99A.	
49.	1	Ferrox applied to all walking surfaces.	
50.	1	All steel parts phosphate pressure washed and prime painted.	
51.	1	Test complete unit in accordance with OSHA/ANSI requirements and provide documentation.	

MISCELLANEOUS

Altec Model LRV56

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
52.	1	One (1) year parts warranty	
53.	1	One (1) year labor warranty	
54.	1	Ninety (90) days warranty for travel charges	
55.	1	Bidder 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.	
56.	1	For so long as the initial purchaser owns the product, major components warranty at an Altec service facility (See Altec Limited Warranty)	
LIST PRICE			\$ 87,044.00
STATE DISCOUNT			\$ 7,913.00
STATE PRICE			\$ 79,131.00

RECOMMENDED CHASSIS

FOR LRV56:	FOR LRV60:
CA: 120"	CA:138"
GVWR: 25,950lb	GVWR: 33,000lb
FAWR: 10,000lb	FAWR: 12,000lb
RAWR: 19,000lb	RAWR: 21,000lb

See chassis specs, options, and pricing at end of Pricelist

OPTIONS

1.	1	LRV60 in lieu of 55' aerial. ADD...	\$ 1,632
2.	1	24x30 platform, liner, and cover. ADD...	\$ 123
3.	1	Painting unit, body, steel accessories customer specific color code.	\$ 1,037

Altec Model LRV56

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		ADD...	
4.	1	Two (2) DICA 24x22x1 outrigger pads installed in holders. ADD...	\$ 510
5.	1	Additional 4" round LED amber strobes, each. ADD...	\$ 297
6.	1	Automatic Boom Stow. ADD...	\$ 816
7.	1	Upper tool circuit active while relocating aerial device. ADD...	\$ 572
8.	1	Rustproofing. ADD...	\$ 577

Important Note: The Altec ISO-Grip™ System, like the insulated upper boom and insulated lower boom insert, is not a primary protection system. These systems offer an additional layer of secondary dielectric protection for the operator, but they are not intended to replace safe work practices or primary methods of protection such as cover-up and the use of personal protection equipment, including rubber gloves and sleeves.



March 1, 2013

OH STS Contract #7751501908
LRV60-E70 Tree Trimming Aerial Device
For 33k GVWR Chassis Application
70' Overcenter Articulating Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>UNIT</u>	
1.	1	<p>#209 Altec Model LRV60-E70 Articulating Overcenter Aerial Device with an insulated lower boom, insulated upper boom and elevator and an insulated ISO-Grip™ (Patent Applied For) system at the boom tip, for installation behind the cab, built in accordance to Altec's standard specifications and to include the following features:</p> <p>A. <u>Ground to Bottom of Platform Height</u>: 69.7 feet (21.2 m) at 3.0 feet (0.9 m) from centerline of rotation</p> <p>B. <u>Working Height</u>: 74.7 feet (22.8 m)</p> <p>C. <u>Maximum Reach to Edge of Platform with Upper Boom Overcenter</u>: 49.1 feet at 18.4 feet platform height (15.0 m at 5.6 m).</p> <p>D. <u>Maximum Reach to Edge of Platform with Upper Boom Non-overcenter and Lower Boom at 125 degrees</u>: 45.1 feet at 37.3 foot platform height (13.7 m at 11.4 m).</p> <p>E. <u>Side by Side Boom Configuration</u>: Travel height approximately 12'7" on a chassis with approximately 40" frame height. (With standard 89" pedestal height. This may have to be increased depending on cab configuration.)</p> <p>F. <u>Lower Boom Articulation</u>: 0 to 125 degrees (35 degrees beyond vertical) accomplished by single hydraulic cylinder with a spherical bearing at the lower boom connection. Equipped with integral holding valves which lock boom in place in the event of a hydraulic</p>	

LRV60-E70 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		line failure and a cushion valve for controlled movement into position at maximum lower boom articulation.	
G.		<u>Upper Boom Articulation</u> : 270 degrees in relation to lower boom, accomplished by dual cylinders with maintenance-free patented walking link drive system . Cylinders are equipped with integral holding valves to lock boom in place in the event of hydraulic line failure or loss of power.	
H.		<u>Pedestal-Subbase</u> : Fabricated from a 16 inch outside diameter x ½ inch wall (406 x 13 mm) steel tube welded into a fabricated steel subbase. Rotation bearing support ring is 1-5/8 inches (41 mm) thick.	
I.		<u>Elevator Section</u> : Elevator link arms are mechanically compensated to provide 10 feet of directly vertical lift to the aerial device, with articulation of the elevator arms from stowed to 90 degrees. The elevator section is mounted parallel with the chassis frame rails providing maximum use of the space available for body bins, lower control platform, etc.	
J.		<u>Lower Boom</u> : Fabricated of 12 x 12 x ¼ inch (305 x 305 x 6 mm) wall steel tubing. Length of lower boom is 278 inches (7061 mm) from centerline of lower pivot to centerline of outer pivot.	
K.		<u>Lower Boom Fiberglass Insulator</u> : Filament wound fiberglass insulator is 11-3/8 inch square X 5/8 inch (289 x 16 mm) wall thickness and located in lower end of lower boom. Provides 15 inches (381 mm) clear isolation gap.	
L.		<u>Upper Boom</u> : Filament wound fiberglass with 10-inch (254 mm) inside diameter contains insulated conduit for routing of hydraulic lines and fully contains upper boom leveling system. End of boom shaft has ring for attachment of fall protection system lanyard.	
M.		<u>Rotation</u> : Continuous rotation provided by hydraulic motor driving through a worm gear speed reducer and gear bearing. Capable of rotating full-rated platform capacity up a 5° slope (9% grade). Gear box is rated at 22,378 inch pounds, ¾ inch attachment bolts are used.	
N.		<u>Platform</u> : Molded fiberglass one-man, side-mounted, fixed mounting.	
O.		<u>Mechanical Platform Leveling System</u> : A positive mechanical parallelogram system of fiberglass insulating rods and roller chain. Adjustment of leveling system made with turnbuckles located inside the cover on the lower boom and by adjusting studs accessible from the lower end of the upper boom. Platform level adjustment is easily	

LRV60-E70 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		accessible from external location on lower pivot.	
P.		<u>Platform Tilting System</u> – mechanical pin type allows easy removal of water or debris from the platform	
Q.		<u>Hydraulic System</u> : Open-center hydraulic system functions at 6.5 gpm and 3,100 psi (21 375 kPa, 214 bar). Includes 25 gallon (94.6 l) reservoir, suction strainer, return line filter, sectional control valves and plumbing.	
R.		<u>ISO-Grip™ System</u> : The Altec ISO-Grip™ (Patent Applied For) System includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system. <ol style="list-style-type: none">1. <u>Control Handle</u>: An insulated single handle controller 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.2. <u>Auxiliary Control Covers</u>: Non-tested blue silicon covers for auxiliary controls.3. <u>Control Console</u>: Non-tested non-metallic control console plate.4. <u>Boom Tip Covers</u>: Non-tested non-metallic boom tip covers. The covers are not dielectrically tested, but they may provide some protection against electrical hazards.	
S.		<u>Hydraulic Tool Circuit</u> : Single tool circuit at boom tip, including one (1) set of Bruning HTMA quick disconnect couplings. Circuit provides 5 - 6.0 gpm (18.9 - 22.7 lpm) at 2,000 psi (13 789 kPa). Operates open center tools.	
T.		<u>Upper Boom Storage Support</u> : Cradle and tie down strap installed for horizontal stow units.	
U.		<u>Outrigger/Boom Interlock System</u> : Helps prevent operator from using unit until all outriggers are lowered.	
V.		<u>Outrigger/Unit Selector Control</u> : 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.	
W.		<u>Outrigger Motion Alarm</u> : Provides audible alarm when any of the	

LRV60-E70 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		outriggers are in motion.	
		X. <u>Back-up Alarm</u> , installed	
		Y. <u>Preventative Maintenance</u> : Unit owner can select means of tracking maintenance intervals by calendar time or PTO hours. If the owner selects calendar driven cycles, preventative maintenance is required no more frequently than every 6 months. If the owner selects PTO hour driven cycles, preventative maintenance interval is likely to be greater than 6 months. Both programs allow the equipment owner to lower life cycle costs through higher product uptime and lower maintenance costs.	
		Z. <u>Diagnostic Pressure Test Quick Disconnect Couplings</u> : 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 reduces life cycle cost.	
		AA. <u>Manuals</u> : Two (2) Operator's and two (2) Maintenance/Parts manuals.	
		BB. <u>Paint</u> : Painted white with the Altec Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electrostatically applied to the <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection.	
2.	1	#395 Manual stow securing system	
3.	1	#241 Outriggers, Primary – 36 to 40 inch (914 to 1016 mm) chassis height. Forestry package, 5-degree swivel shoe A-frame, 154 inches (3912 mm) at maximum spread (outside of footpad to outside of footpad) and 7 inches (178 mm) penetration at a 40-inch chassis height. One three bank valve for installation on curb side for outrigger, outrigger/unit selector and chip box, and one single bank valve for installation on street side for outrigger furnished.	
4.	1	#319 Category C, 46kV and below	
5.	1	#212 Single one-man side-mounted, fiberglass platform with shaft-mounted controls (controls are located on the side of the platform nearest the upper boom). Platform is 24 x 24 x 39 inches (610 x 610 x 991 mm), and is rated at 350 pounds (159 kg)	

LRV60-E70 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
6.	1	#251 Platform Cover – Soft vinyl, 24 x 24 inch (610 x 610 mm)	
7.	1	#257 Platform Liner 50 kV – 24 x 24 x 39 inches (610 x 610 x 991 mm)	
8.	1	#233 Platform Liner Floor – 24 x 24 inches with safety tread (610 x 610 mm)	
9.	1	#229 Platform Step – located on outside wall. In stowed position, step will be side of platform <u>nearest</u> elbow.	
10.	1	#296 Secondary Stowage System – 12 VDC electric powered, captive air controlled from the platform; momentary switch located at lower controls; includes pump and motor, operates from chassis battery NOTE: Requires code 397 Slip Ring	
11.	1	#397 Slip Ring NOTE: Required for engine start/stop and secondary stowage system options	
12.	1	#294 Tool Circuit at Boom Tip, Dual Hydraulic – dual set of Bruning HTMA quick disconnect couplings provides 5.0 – 6.0 gpm at 2,000 psi (19 to 23 lpm at 13 789 kPa). This in lieu of standard single set of quick disconnect couplings. Operates open center tools.	
13.	1	#355 Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, interlocking buckles on leg straps and nylon web loop fall arrest attachment on back. Lanyard has built in shock absorber that allows 28 inches (711 mm) of automatic adjustability.	

UNIT AND HYDRAULIC ACCESSORIES

14.	1	Hydraulic Oil and Lubricants	
15.	1	Air shift PTO for manual transmission.	
16.	1	Hydraulic Pump	

BODY

17.	1	Forestry Body with all components, except structural members, fabricated from A-60-galvanneal coated steel:	
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LRV60-E70 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
18.	A.	<p><u>Body:</u> Chip Dump Body 14.5 cubic yard (11.1 m³) capacity 93 inches wide x 63 inches high x 132 inches long (2362 x 1600 x 3353 mm) with:</p> <p>Structural Channel stringers and floor channel. 12 gauge minimum floor plate. 14 gauge minimum sides and front with full length die-formed reinforcing ribs. 14 gauge roof. Rear top and sides of body reinforced for lower boom support. 22½ inches (571 mm) high tailgate, hinged curb side with provision to hold open for dumping. 12 gauge minimum rear under body skirt panel. Class “C” Hydraulic hoist, installed, with 45 degree dump angle and body prop. Lighting package with rubber grommet shock mounts and wiring harness in automotive type loom. Street side built-in ladder compartment, 12 inches wide x 25 inches high (305 x 635 mm) with rear roller and internal security chain. Pole pruner compartment, 11 inches high (279.4 mm), above ladder compartment with rear locking door. Interior of chip body finished with coal tar epoxy. Underside of chip body undercoated (except stringer channels).</p>	
	B.	<p><u>Compartmentation—Street side:</u></p> <p>Single compartment (66 inches long x 50 inches high x 26.5 inches deep) with three (3) vertical doors. Two (2) full width shelves fixed at 11 inches and 25 inches from top. Holder for chain saw provided in bottom on left side. Right side has access to horizontal thru compartment extending from curb side platform.</p>	
	C.	<p><u>Compartmentation—Curb side:</u></p> <p>Single compartment (41 inches long x 50 inches high x 26.5 inches deep) with two (2) vertical doors. Left side has two (2) full width shelves fixed at 11 inches and 25 inches from top. Right side has six (6) material hooks (3-0-3). Platform mounted behind compartment 12 inches high x 25 inches wide x 26.5 inches deep. Horizontal thru compartment (6 inches high) recessed 12 inches, open to street side with vertical partitions spaced 10 inches, 6 inches and 9 inches wide with drop-down door.</p>	
	D.	<p><u>Standard features:</u></p> <p>Rivet door locks.</p>	

LRV60-E70 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Double acting spring type door holders. Door locks are three point twist with lock cylinders Paint compartment interiors gray. Rain deflectors above all doors	
19.	1	Cab Guard	
20.	1	Front bumper assembly	
21.	1	Cab Guard Accessory Kit.	
22.	1	Cab Guard Access step mounted on rear of curb side compartment.	
23.	1	Stirrup step under curb side platform with two (2) grab handles.	
24.	2	Outrigger pad holders, to accommodate outrigger pads 19.5 x 19.5 x 1.875 inches (Wooden with orange metal band)	
25.	2	Wheel chock holders, to accommodate wheel chocks – rubber (ribbed type)	
<u>BODY ACCESSORIES</u>			
26.	2	Splash Aprons installed	
27.	1	Triangular reflector kit, installed behind seat	
28.	1	Fire extinguisher, 5 pounds, with bracket, shipped loose	
29.	1	Pintle hook, T100 style, and hitch assembly mounted 22-23 inches (559 – 584 mm) (based on a 40” frame height) above ground (unloaded). Includes safety chain eyes.	
30.	2	Outrigger pads 19.5 x 19.5 x 1.875 inches (Wooden with orange metal band)	
31.	2	Wheel Chocks – rubber (ribbed type)	
32.	1	Manual Pouch installed behind driver’s side seat.	
<u>ELECTRICAL ACCESSORIES</u>			
33.	1	Lights and reflectors in accordance with FMVSS #108 lighting package.	
34.	1	6-way trailer receptacle, includes wiring harness installed at rear.	

LRV60-E70 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
35.	1	Install Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.	
36.	1	Install secondary stowage with momentary switch for installation near outrigger controls	
37.	2	LED Strobe lights installed streetside, one under cab guard and one at rear corner of chip box	

INSTALLATION

38.	1	Install Altec aerial device	
39.	1	Altec Aerial Device painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
40.	1	Mounting body and accessories	
41.	1	Painting body and accessories white with urethane enamel	
42.	1	Paint cab guard black	
43.	1	Paint underneath black	
44.	1	Ferrox applied to all walking surfaces.	
45.	1	Safety and instructional signs installed	
46.	1	Vehicle height placard is to be placed in view of the driver	
47.	1	Delivery of completed vehicle	
48.	1	Tests complete unit in accordance with OSHA/ANSI requirements and provide documentation.	

MISCELLANEOUS

49.	1	This aerial device is to be designed in a facility that is certified to meet ISO 9001	
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LRV60-E70 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
50.	1	One (1) year parts warranty	
51.	1	One (1) year labor warranty	
52.	1	Ninety (90) days warranty for travel charges	
53.	1	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.	
54.	1	Bidder 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.	
LIST PRICE			\$ 107,767.00
STATE DISCOUNT			\$ 9,797.00
STATE PRICE			\$ 97,970.00

RECOMMENDED CHASSIS

CA: 138"
FAWR: 12,000lbs
RAWR: 21,000lbs
GVWR: 33,000lbs

OPTIONS

1	Custom color code in lieu of white for steel portions of unit/body. ADD...	\$	1,028
1	Automatic Boom Stow. ADD...	\$	816

LRV60-E70 Aerial Device

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
	1	Upper tool circuit active while relocating aerial device. ADD...	\$ 572
	1	Front bumper cone holder. Horizontal bar with pivot at curbside and locking pin at streetside. ADD...	\$ 599
	1	Front bumper cone holder. Vertical storage with loops with drop down feature. ADD...	\$ 750

Important Note: The Altec ISO-Grip™ System, like the insulated upper boom and insulated lower boom insert, is not a primary protection system. These systems offer an additional layer of secondary dielectric protection for the operator, but they are not intended to replace safe work practices or primary methods of protection such as cover-up and the use of personal protection equipment, including rubber gloves and sleeves.

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Counterbalance valves on motor provide reliable load holding	
		D. Insulated, “46 kV and below”	
		E. 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: <ul style="list-style-type: none">- Boom Lower- Intermediate Boom Extend- Third Stage Boom Extend- Winch Raise- Auger Dig System automatically resets when overload condition is relieved.	
		F. Hydraulic Side Load Protection relieves overload conditions by allowing rotation system to back drive.	
		G. System pressure gauges on all vehicle mounted main control stations.	
		H. Transferable Boom Flares include adjustable alignment guides .	
		I. Pole Guides – cylinder driven open/close and tilt includes double pilot operated check valves to support poles in both tilt directions. Also includes tilt interlock that prevents the upper boom from extending when the transferable flares are attached to the intermediate boom until the guides are articulated to the full up position.	
		J. Fiberglass Boom Tip with provisions for platform attachment.	
		K. Two-part load line attachment point on intermediate boom.	
		L. 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.	
		M. Cylinders: Rods are chrome plated and ends are threaded and welded.	
		N. Bearings: Lift cylinder equipped with self-aligning bearings. All extending booms utilize slide bearings ; there are no roller bearings on extending booms.	
		O. Proportional-Hydraulic Control System: The electrical control panel(s) and pilot hydraulic system provide easy to operate controls with superior metering. There are only two hydraulic lines through rotation . Hydraulic control valves for Rotation, Boom Elevation,	

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Boom Extension, Digger and Winch are pilot operated and controlled by a proportional pilot system which provides full metering and feathering characteristics. There are no hydraulic lines within operator control station.	
P.		Control system includes single quick connect plug for quick and easy installation of radio remote control system in the field upon request.	
Q.		Standard/Low Speed Selector allows an operator to select standard or low functional speeds without respect to engine throttle. When in standard mode, each function operates at normal speeds. When in low mode, the maximum operational speed of each function is approximately half that of the standard speed, providing a more meterable feel. The function is separate from engine throttle control, giving the operator additional fine tuning speed control.	
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 worm 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.		Complete Hydraulic System including: <ol style="list-style-type: none">1. Magnetic suction separator2. Return line filter with cold oil indicator3. Hydraulic pressure gauges	
W.		Outrigger/Boom Interlock System: Helps prevent operator from using unit until all outriggers are lowered.	
X.		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.	

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Y. Outrigger Control Valves, located at tailshelf	
		Z. Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.	
		AA. Back-up Alarm, installed	
		BB. Tool outlets at tailshelf – tool control valve is integral to the outrigger control valve on the vehicle curbside.	
		CC. Two (2) Operator’s and Maintenance/Parts Manuals	
		DD. 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 <i>inside</i> as well as outside of all fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection.	
2.	1	#005 Rear Mount pedestal	
3.	1	#008 Turntable Winch	
4.	1	#011 Winch, normal speed (15,000 pounds)	
5.	1	#175 Digger Derrick use only (no Personnel Handling)	
6.	1	#173 Rear Mount – Altec Opti-View Control Seat, installed on curb side of turntable, includes twin multi-function joystick controls and foot throttle.	
7.	1	#031 Foot throttle	
8.	1	No hard wired upper controls and no tool circuit at boom tip	
9.	1	#088 Digger – right-hand storage – normal (select digger below)	
10.	1	#094 Digger, Two-Speed Mechanical Shift, 12,000 ft-lbs, includes all of the components necessary to operate digger, installed	
11.	1	#206 Auger assembly, 18 inch diameter, for 2 ½ inch kelly bar, carbide teeth	
12.	1	#225 1 1/8 Inch x 115 feet – installed, 15,000 pound rating, for turntable winch	
13.	1	#020 Swivel hook/downhaul weight, 8-1/2 ton capacity, 33 lbs.	

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
14.	1	#044 Outriggers, A-frame, folding shoe, 153 inch maximum spread, auxiliary outriggers.	
15.	1	#450 Outriggers, A-frame, folding shoe, 153 inch maximum spread, for use as primary outriggers.	
16.	1	<p>#501 Power Distribution Module, shipped loose. The Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches (305 x 330 mm), designed to be mounted behind the driver's seat, inside the cab. Additional modules plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical components. The PDM includes built in test capabilities and diagnostic input, output and status LED's to quickly assess the PDM's performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required.</p> <p>The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby reducing maintenance costs, shipped loose.</p>	
17.	1	#132 Altec Electronic Side Load Protection (eSLP) TM - includes indicator gauge and lamp	
18.	1	#134 Altec RotaFloat – includes alarm and visual indicator	
19.	1	#077 Reservoir Assembly – includes 60 gallon reservoir, filter, and magnetic suction separator	
20.	1	#060 Pole Puller – with 7 feet of 5/8 inch high-tensile chain and base	
21.	1	Custom option - through storage for digger derrick pedestal.	
<u>UNIT AND HYDRAULIC ACCESSORIES</u>			
22.	1	Hydraulic oil and lubricants, installed	
23.	1	Hydraulic pump – right-hand rotation, 14/21 @ 1,200 rpm, tandem vane	

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
24.	1	Cab control, heavy duty SAE PTO	
25.	1	Subbase assembly for mounting of derrick pedestal and outriggers, to consist of 6 inch x 4 inch tubing (3/8 inch wall) each side of chassis frame with top and bottom plate. To include longitudinal through storage with drop down door at rear. Stops in center and side tubes at 120".	
26.	1	Samson Nylite spool shield	
27.	1	Pair, rubber wheel chocks, 10"L x 8"W x 5 1/2"H.	
28.	1	8-1/2 foot x 3/8 inch nylon wind up sling	
29.	1	Spring operated hydraulic hose reel for storage of two (2) 35 feet lengths of hose, installed.	
30.	1	0-8 GPM flow divider, variable for installation of tools at tailshelf	

BODY

30. 1 158 inch body, suitable for installing on any single rear axle chassis with 120 inch CA dimension. Body is built in accordance with our standard specifications, including:

A. Body: Fabricated from A60 grade 100% zinc alloy coated steel with the following minimum gauge thickness:

1. 16 gauge outside panels
2. 16 gauge top panels
3. 14 gauge end panels
4. 20 gauge inner door panels
5. 20 gauge outer door panels
6. 18 gauge shelving, spangled steel
7. 14 gauge wheel panels
8. 12 gauge safety tread steel floor (four-way pattern)
9. Structural channel crossmembers
10. Galvannealed treadplate installed on top of body compartments
11. Wheel chock holders installed one (1) each side of body in fender panel
12. Gripstrut on top of right side compartments behind access step
13. Radial wheel well liners
14. Rope lighting

B. Body Dimensions:

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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1. 158 inch overall body length
2. 93 inch outside width
3. 46 inch body height
4. 18 inch compartment depth
5. 57 inch floor width

C. Compartmentation – Curb Side:

1. First Vertical – Five (5) material hooks
2. Second Vertical – Access walkway
3. Third Vertical – Seven (7) locking swivel material hooks (2-3-2)
4. Horizontal – Two (2) fixed shelves with removable dividers on 8 inch centers
5. Rear Vertical – Four (4) locking swivel material hooks. Includes cutout for rear outrigger leg.

D. Compartmentation – Street Side:

1. First Vertical – Three (3) adjustable shelves with removable dividers on 4 inch centers
2. Second Vertical – Five (5) material hooks
3. Third Vertical – Five (5) material hooks
4. Horizontal – One (1) plain fixed shelf
5. Rear Vertical – Four (4) locking swivel material hooks. Includes cutout for rear outrigger leg.
6. Through Shelf – Full length of left side of body with hotstick brackets and rear door

E. Standard Features:

1. Basic body fabricated from A60 grade 100% zinc alloy coated steel
2. All doors are full, double paneled, self-sealed with built-in drainage for maximum weather-tightness. Electro-zinc plated, steel hinge rods extend full length of door. Door hinges are zinc alloy material attached with rivets.
3. All doors contain zinc plated flush type, single point paddle type locks with recessed handles, including keyed locks and adjustable two-stage strikers. Door handles are riveted to the outer door panel. Back panel has opening for easy access.
4. Heavy-gauge welded steel base construction with safety tread floor.
5. All edges are either rolled or folded for strength and safety

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		6. Door header drip rail at top for maximum weather protection.	
		7. Neoprene fenders on wheel fender panels.	
		8. Steel treated for extra good primer bond and rust resistance	
		9. Automotive underseal applied to body.	
		10. Prime painted with two part epoxy.	
		11. Automotive type non-porous door seals mechanically fastened to the door facing.	
31.	1	Tailshelf, 24 inches includes light channels beneath tailshelf	
32.	1	Steel rubber goods box, 75 inches long x 18 inches wide x 15 inches high, top opening. Includes wood lining, vents, gas props, and locking hasp.	
33.	1	Steel ladder box installed on streetside compartment top. To include rear roller and strap.	
34.	1	Cable suspended stirrup step installed at right side access steps	
35.	2	Grab handles installed one each side at rear	
36.	1	Grab handle installed at right side access steps	
37.	1	Access step installed in cargo area at right side for access to right side compartment top	
38.	1	Storage bracket for anchor auger on top of left side compartment	
39.	1	Grab handle installed on front corner of riding seat console	
40.	1	Grab handle installed at rear corner of riding seat console	
41.	4	Outrigger pad holders installed under body.	
42.	1	Storage bracket for the pole puller, installed on front outrigger leg.	
43.	1	Soft copper reel rack (Altec P/N: 9700-86449), installed.	
44.	1	Vise pocket plate and pocket installed at tailshelf extension. To include locking T-screw.	
45.	1	Pole rack assembly on streetside of body. Rack to accommodate two (2) poles. Rear pole rack uprights to be installed so they don't interfere with hotstick door or access to ladder rack. Front rack to have adjustable sliding collar. Rear pole rack to have bullet teeth and fixed uprights. Both racks to have nylon straps with hand ratchets.	

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
46.	1	Rope style compartment lights installed in each compartment. Wiring installed in loom with switch located in cab. Switch to be energized only when chassis lights are on.	
47.	1	Derrick storage support with auxiliary storage saddle for use when carrying poles.	
<u>BODY ACCESSORIES</u>			
48.	2	NuSteps installed one each side at rear	
49.	1	Two (2) D-Rings installed on rear of primary outriggers.	
50.	1	Pintle hook with frame reinforcement and two safety chain rings installed at 28 inches (+/- 1 inch) from ground to center of eye	
51.	1	(Set) splash aprons, installed behind rear wheels	
52.	1	Triangular reflector kit installed in cab behind seat on passenger's side	
53.	4	Wood outrigger pads 24x24x3.	
54.	2	Ten pound fire extinguisher with mounting bracket, shipped loose	
55.	1	Rubber dock bumpers installed on right and left side of frame at rear	
<u>ELECTRICAL ACCESSORIES</u>			
56.	1	LED Lights and reflectors in accordance with FMVSS #108 lighting package, installed	
57.	1	Electric brake controller, installed	
58.	2	LED Amber strobe light installed on each side of derrick storage support with master switch and indicator light installed in cab.	
59.	1	Four corner LED strobe system: A) Two (2) amber strobe capsules installed in front turn signal housings B) Two (2) 4" round amber strobes installed in rear light channel C) Master switch in cab	
60.	1	Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.	

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
61.	1	Backup alarm, installed at rear. Backup alarm adjusts automatically to provide from 87 to 112 decibels alarm, depending on ambient noise conditions. Alarm is installed in 4.5 inch (114 mm) diameter hole with rubber grommet and is wired to chassis backup lights. Installation at rear provides a protected environment for alarm, free from damage from road spray and debris.	
62.	1	Hour meter installed to record PTO operating hours	
63.	1	Install Altec MP System for in-cab accessory switch panel. Includes dual lit switches for function identification and function activation.	

INSTALLATION

64.	1	Installation of derrick and subbase assembly	
65.	1	Installation of body and accessories	
66.	1	Paint body White with urethane enamel	
67.	1	Derrick painted white with the 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 <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
68.	1	Non skid on all walking surfaces	
69.	3	Three (3) Lev-O-Gage inclinometers. Two (2) installed each side at rear of tailshelf and one (1) at curbside of tailshelf.	
70.	1	Safety and instructional signs, installed	
71.	1	Vehicle height placard is to be placed in view of driver	
72.	1	DOT Certification of completed vehicle	
73.	1	Delivery of completed vehicle	

MISCELLANEOUS

74.	1	This derrick is designed and manufactured in a facility that is certified to meet ISO 9001	
75.	1	One (1) year parts warranty	

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
76.	1	Ninety (90) days warranty for travel charges	
77.	1	One (1) year labor warranty	
78.	1	For so long as the initial purchaser owns the product, major components warranty at an Altec service facility (See Altec Limited Warranty)	
79.	1	Bidder 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.	
LIST PRICE			\$ 138,111.00
STATE DISCOUNT			\$ 12,556.00
STATE PRICE			\$ 125,555.00

RECOMMENDED CHASSIS

80.	1	CA: 120" GVWR: 33,000 pounds	
<i>See chassis specs, options, and pricing at end of Pricelist</i>			

OPTIONS

1.	1	Altec Model DM45 Hydraulic Derrick, Rear mount , designed for mounting over rear axle with a Boom tip winch , built in accordance with Altec's standard specifications. ADD... Includes: #009 Boom Tip Winch #226 7/8 Inch x 80 feet – installed, 15,000 pound rating, for boom tip winch #148 Extended shaft for Boom Tip Winch, allows use of capstan or collapsible reels	\$	555
2.	1	Altec Model DM47 Hydraulic Derrick, Rear mount , designed for mounting over rear axle with a Turntable winch , built in accordance with Altec's standard specifications. ADD...	\$	1,601

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Maximum Sheave Height 46.4 ft Maximum Horizontal Reach 37.0 ft Maximum Digging Radius 26.7 ft Elevation – From 80 degrees above horizontal to 20 degrees below horizontal	
3.	1	Altec Model DM47 Hydraulic Derrick, Rear mount , designed for mounting over rear axle with a Boom tip winch , built in accordance with Altec's standard specifications. ADD... Includes: #009 Boom Tip Winch #226 7/8 Inch x 80 feet – installed, 15,000 pound rating, for boom tip winch #148 Extended shaft for Boom Tip Winch, allows use of capstan or collapsible reels	\$ 2,156
4.	1	DM50 in lieu of DM47, <i>must order DM47 option.</i> ADD...	\$ 7,917
5.	1	#176 Platform use or combined Digger Derrick/Platform use. ADD...	\$ 300
6.	1	#145 Platform – fiberglass pin-on, 24 x 24 x 42 inches, nominal, with interior/exterior platform access step, 300 pound capacity. ADD...	\$ 996
7.	1	#150 Platform Cover – for single, one-man, side mounted fiberglass platform, nylon-reinforced vinyl, 24 x 24 inches. ADD...	\$ 54
8.	1	#153 Platform Liner – for single, one-man, side mounted fiberglass platform, 24 x 24 x 42 inches, 50 Kv. ADD...	\$ 296
9.	1	#168 Rear Mount – Traditional Control Seat, installed on curb side of turntable, includes single control station. In lieu of Opti-View. DEDUCT...	\$ (1,067)
10.	1	#109 Joystick Control Panel, replaces selected control panel. <i>Note: Joystick Control Panel replaces Traditional Control Seat.</i> ADD...	\$ 1,109
11.	1	Control console with T-Stand in lieu of riding seat. ADD...	\$ 2,276
12.	1	Swivel arm for T-Stand console. ADD...	\$ 1,047
13.	1	Flip-up operator platform at tailshelf. ADD...	\$ 631
14.	1	#039 Radio Remote Controls, lower controls. <i>Note: Radio Remote Controls can be a stand alone system or can be used in conjunction with</i>	\$ 8,196

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<i>other control systems. ADD...</i>	
15.	1	#118 Docking station for using main Radio Remote Control (Option 39) at boom tip for upper controls. ADD...	\$ 408
16.	1	#098 No hard wired upper controls, but with tool circuit at boom tip. ADD...	\$ 671
17.	1	#108 Four-Lever Upper Controls and Tool Circuit, transferable, including power package. ADD...	\$ 4,242
		Controls include: -four (4) individual levers, for lift, rotation, sequential extension and winch functions -one knob for on/off (blocking valve), including automatic two-speed throttle -one knob for on/off of upper tool circuit and engine start/stop	
18.	1	Steel sliding console covers for Opti-View control station. ADD...	\$ 598
19.	1	#119 Jib – fiberglass, 4.8 foot material handling, two (2) piece telescopic, extends from 3.6 feet to 4.8 feet, manual articulation. ADD...	\$ 1,566
20.	1	Jib storage bracket. ADD...	\$ 337
21.	1	Altec Braden PD18 Front Mounted Winch with heavy duty Braden Universal Bumper. ADD... INCLUDES: 20,000 pound capacity Extended shaft to curb side Hydraulic drive assembly for front winch, including: Electric-over-hydraulic controls for winch forward and reverse Winch controls installed at front extension (old style digger control lever) and in cab on dash (toggle switch). 6) 4-way roller 7) Two speed throttle, installed 8) 250' of 1/2" cable installed 9) Storage box, installed at street side 10) Tow eye 11) Screw shackle 12) Curved profile for International chassis 13) Wired for first gear hold 14) Emergency stop switch at front controls 15) Orange sight rods, installed. NOTE: This option requires a 14,000lb FAWR on 4x2 chassis	\$ 10,727

State of OH DM45-47-50 Spec

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		application.	
22.	1	Delete pole rack assembly and auxiliary boom saddle support. DEDUCT...	\$ (1,581)
23.	1	108"CA steel service line body in lieu of 120"CA. DEDUCT...	\$ (1,099)
24.	1	Astoria 120"CA fiberglass body in lieu of steel. ADD... Includes following features: Aluminum rock guards Steel structural channel crossmembers Spring loaded door holders on all vertical compartments Vinyl coated chain on horizontal compartments Drop in plastic tailboard at rear of body with aluminum pockets Aluminum treadplate riser, 6" up each side of cargo wall.	\$ 3,063
25.	1	Aluminum tailshelf in lieu of steel. ADD...	\$ 121
26.	1	Aluminum rubber goods box. ADD...	\$ 190
27.	1	Aluminum ladder box. ADD...	\$ 266
28.	4	Sauber aluminum outrigger pads in lieu of wood. ADD...	\$ 748
29.	1	Recessed swivel D-Ring installed in cargo floor, each. ADD...	\$ 286
30.	1	Hand coil rack consisting of upper and lower steel rails. Top rail to include 4 sliding 'J' hooks. Each rail approx 48"L. ADD...	\$ 617
31.	1	Water cooler bracket, adjustable. ADD...	\$ 71
32.	1	Hastings grounding reel with 50' of 1/0 cable. Includes 3 point ground system with front and rear lugs. ADD...	\$ 3,529
33.	1	Fifty feet (50') of 1/0 copper cable, shipped loose. To include C-clamp on one end and Duckbill clamp on other end. Includes 3 point ground system with front and rear lugs. ADD...	\$ 1,072
34.	1	Spotlight installed in chassis "A" pillar, each. ADD...	\$ 349
35.	1	Unity combination spot/flood light, each. ADD...	\$ 355
36.	1	Star Beam dual bulb R/C spotlight. ADD...	\$ 1,097

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<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
37.	2	TST Underbody lights. ADD...	\$ 384
38.	1	12V DC power outlet, each. ADD...	\$ 270
39.	1	Auxiliary start/stop at tailshelf. ADD...	\$ 263
40.	1	Reverse floodlights installed under tailshelf along frame rails. To include master switch in cab and tie to 'R' function on automatic transmission if available. ADD...	\$ 332
41.	1	Additional 4" round LED amber strobe, each. ADD...	\$ 297
42.	1	1200W inverter with GFI receptacle installed at curbside rear. Note: Customer must order uprated alternator for proper inverter output. ADD...	\$ 1,514
43.	1	Front bumper cone holder. Horizontal bar with pivot at curbside and locking pin at streetside. ADD...	\$ 599
44.	1	Front bumper cone holder. Vertical storage with loops. ADD...	\$ 750
45.	1	Rustproofing. ADD...	\$ 577
46.	1	Custom color paint code (in lieu of standard white) for steel body, unit, and accessories. ADD...	\$ 1,028
47.	1	Custom color gelcoat (in lieu of standard white) for Astoria Fiberglass body. ADD...	\$ 1,282



March 1, 2013

OH STS Contract #7751501908
D3050/55/60 Digger Derrick
For Tandem Axle Chassis Application
50'/55'/60' Sheave Height Hydraulic Digger Derrick

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>UNIT</u>	

1. 1 Altec Model D3050A Hydraulic Derrick, designed for behind the cab or rear mount, built in accordance with Altec's standard specifications and to include the following features:

Maximum Sheave Height 49.5 ft

Maximum Horizontal Reach 40.2 ft

Maximum Digging Radius 28.7 ft

Elevation – From 80 degrees above horizontal to 15 degrees below horizontal

Performance Ranges per the attached capacity chart.

A. Full Capacity Fiberglass Upper Boom, Hydraulically Extended with Flared Steel Boom Tip structurally capable of lifting to rated hydraulic capacity of the derrick in any given position while maintaining the derrick's full three to one structural safety factor.

Increases **EFFECTIVE POLE SETTING SHEAVE HEIGHT TO END OF UPPER BOOM**

B. Three to One Structural Safety Factor: Designed and tested so

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		that the yield point of the structural components is not exceeded when the derrick is loaded to three times it's rated capacity	
		C. Continuous rotation including worm 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.	
		D. 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.	
		E. Controls: Operator's main control panel with multi-lever controls to operate all derrick functions equipped with HOP and System Pressure Gauges.	
		F. Standard/Low Speed Selector allows an operator to select standard or low functional speeds without respect to engine throttle. When in standard mode, each function operates at normal speeds. When in low mode, the maximum operational speed of each function is approximately half that of the standard speed, providing a more meterable feel. The function is separate from engine throttle control, giving the operator additional fine tuning speed control.	
		G. Winch: 15,000 pound bare drum capacity winch, self-locking, high torque, worm gear winch, equipped with oil cooled brake with special provisions on drum for attaching wire rope or polypropylene rope. (Note: cable guides are furnished on turntable winch versions)	
		H. Closed center bypass inlet type hydraulic system. Including control valves, shut-off valve in suction line, and plumbing on unit – Excluding Pump and Reservoir	
		I. Transferable Boom Flares include adjustable alignment guides .	
		J. Fiberglass Boom Tip with provisions for platform attachment.	
		K. 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: <ul style="list-style-type: none">• Boom Lower• Intermediate Boom Extend• Third Stage Boom Extend	

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<ul style="list-style-type: none">• Winch Raise• Auger Dig• System automatically resets when overload condition is relieved.	
		L. Manual Override of Hydraulic Functions	
		M. Two part load line attachment on intermediate boom	
		N. Electronic Side Load Protection helps prevent overload conditions on rotation system. When side load limit is reached, derrick functions that could contribute to increased side load are halted.	
		O. Pole Guides – cylinder driven open/close and tilt includes double pilot operated check valves to support poles in both tilt directions. Also includes tilt interlock that prevents the upper boom from extending when the transferable flares are attached to the intermediate boom until the guides are articulated to the full up position.	
		P. Engine Start/Stop Switch at control panel	
		Q. Outriggers for corner mount units	
		R. Outrigger/Boom Interlock System: Helps prevent operator from using unit until all outriggers are lowered.	
		S. 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.	
		T. Outrigger Control Valves, located at tailshelf	
		U. Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.	
		V. Back-up Alarm, installed	
		W. This derrick is in compliance with ANSI A10.31 – 1995 standards in effect at time of manufacture	
		X. Insulated, “46 kV and below”	
		Y. This derrick is designed and manufactured in a facility that is	

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		certified to meet ISO 9001 requirements.	
		Z. ANSI Z535 Safety and Instructional Signs, shipped loose	
		AA. Two (2) Operator's and two (2) Maintenance/Parts manuals	
		BB. Painted white with the Altec Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electrostatically applied to the <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
2.	1	#5 Rear Mounting – available on all units	
3.	1	#8 Turntable Winch	
4.	1	#11 Normal Speed (15,000 lbs)	
5.	1	#175 Digger Derrick Use Only (No Personnel Handling)	
6.	1	#173 Rear Mount – Altec Opti-View Control Seat, installed on curb side of turntable, includes twin multi-function joystick controls and foot throttle.	
7.	1	No hard wired upper controls and no tool circuit at boom tip	
8.	1	#088 Digger – right-hand storage – normal (select digger below) including Auger Overstow Protection System	
9.	1	#094 Digger, Two-Speed Mechanical Shift, 12,000 ft-lbs, includes all of the components necessary to operate digger, installed	
10.	1	#047 Outrigger, Three-Stage, A-Frame with fold-up shoe – provides 165 inch (4191 mm) maximum spread. For use as auxiliary outriggers.	
11.	1	#048 Outriggers, Radial, 172 inch maximum spread. For use as primary outriggers.	
12.	1	#501 Power Distribution Module, shipped loose. The Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches (305 x 330 mm),	

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<p>designed to be mounted behind the driver’s seat, inside the cab. Additional modules plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical components. The PDM includes built in test capabilities and diagnostic input, output and status LED’s to quickly assess the PDM’s performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required.</p> <p>The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby reducing maintenance costs, shipped loose.</p>	
13.	1	#134 Altec RotaFloat – includes alarm and visual indicator	
14.	1	#077 Reservoir Assembly – includes 60 gallon reservoir, filter, and magnetic suction separator	
15.	1	#060 Pole Puller – with 7 feet of 5/8 inch high-tensile chain and base	
<u>UNIT AND HYDRAULIC ACCESSORIES</u>			
16.	1	Hydraulic oil and lubricants, installed	
17.	1	Hydraulic pump – right-hand rotation, 14/21 @ 1,200 rpm, tandem vane	
18.	1	Cab control, heavy duty SAE PTO to be air shifted on chassis with air brakes	
19.	1	Subbase assembly for mounting of derrick pedestal and outriggers, to consist of 8 inch x 3 inch tubing (3/8 inch wall) each side of chassis frame with top and bottom plate. To include longitudinal through storage with drop down doors at rear. Stops in center and side tubes at 120”.	
20.	1	Samson Nylite spool shield	
21.	1	115 Ft length of 1-1/8 inch Samson Spectron II synthetic braided rope with eye in each end	

OH STS D3050-55-60

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
22.	1	Crosby Laughlin 8.5-S-1 swivel block (33 pound downhaul weight)	
23.	1	18 Inch Diameter Auger, full flight with Pengo boring head and 2 – ½ inch hex	
24.	1	0-8 GPM flow divider, variable for installation of tools at tailshelf	
25.	1	Spring operated hydraulic hose reel for storage of two (2) 35 feet lengths of hose, installed.	
26.	1	Pair, rubber wheel chocks, 10”L x 8”W x 5 ½”H.	
27.	4	Outrigger pads, wood, 24 x 24 x 3 inches, installed.	

BODY

28. 1 Service Line Body suitable for installing on any tandem rear axle chassis with 138 inch CT dimension. Body is built in accordance with standard specifications including:

A. Body: Fabricated from A60 grade 100% zinc alloy coated steel with the following minimum gauge thickness:

1. 16 gauge outside panels
2. 16 gauge top panels
3. 14 gauge end panels
4. 20 gauge inner door panels
5. 20 gauge outer door panels
6. 18 gauge shelving, spangled steel
7. 14 gauge wheel panels
8. 12 gauge safety tread steel floor (four-way pattern)
9. Structural channel crossmembers
10. Galvannealed treadplate installed on top of body compartments
11. Wheel chock holders installed one (1) each side of body in fender panel
12. Gripstrut on top of right side compartments behind access step
13. Radial wheel well liners
14. Rope lighting

B. Body Dimensions:

1. 180 inch overall body length
2. 93 inch outside width

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		3. 46 inch body height	
		4. 18 inch compartment depth	
		5. 57 inch floor width	
		C. Compartmentation – Right Side:	
		1. <u>First Vertical</u> – Five (5) material hooks	
		2. <u>Second Vertical</u> – Access steps to cargo area (Treadplate)	
		3. <u>Third Vertical</u> – Three (3) material hooks	
		4. <u>First Horizontal</u> – Two (2) fixed shelves with removable dividers on 8 inch centers	
		5. <u>Second Horizontal</u> - Two (2) fixed shelves with removable dividers on 8 inch centers	
		D. Compartmentation – Left Side:	
		1. <u>First Vertical</u> – Three (3) adjustable shelves with removable dividers on 4 inch centers	
		2. <u>Second Vertical</u> – Five (5) material hooks	
		3. <u>Third Vertical</u> – Five (5) material hooks	
		4. <u>First Horizontal</u> – One (1) plain fixed shelf	
		5. <u>Second Horizontal</u> – One (1) plain fixed shelf	
		6. <u>Through Shelf</u> – Full length of left side of body with hotstick brackets and rear door	
		E. Standard Features:	
		1. Basic body fabricated from A60 grade 100% zinc alloy coated steel	
		2. All doors are full, double paneled, self-sealed with built-in drainage for maximum weather-tightness. Electro-zinc plated, steel hinge rods extend full length of door. Door hinges are zinc alloy material attached with rivets.	
		3. All doors contain zinc plated flush type, single point paddle type locks with recessed handles, including keyed locks and adjustable two-stage strikers. Door handles are riveted to the outer door panel. Back panel has opening for easy access.	
		4. Heavy-gauge welded steel base construction with safety tread floor.	
		5. All edges are either rolled or folded for strength and safety	
		6. Door header drip rail at top for maximum weather protection.	
		7. Neoprene fenders on wheel fender panels.	
		8. Steel treated for extra good primer bond and rust	

OH STS D3050-55-60

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		resistance	
		9. Automotive underseal applied to body.	
		10. Prime painted with two part epoxy.	
		11. Automotive type non-porous door seals mechanically fastened to the door facing.	
29.	1	Tailshelf, 24 inches includes light channels beneath tailshelf	
30.	1	Steel rubber goods box, 75 inches long x 18 inches wide x 15 inches high, top opening. Includes wood lining, vents, gas props, and locking hasp.	
31.	1	Steel ladder box installed on streetside compartment top. To include rear roller and strap.	
32.	1	Cable suspended stirrup step installed at right side access steps	
33.	2	Grab handles installed one each side at rear	
34.	1	Grab handle installed at right side access steps	
35.	1	Access step installed in cargo area at right side for access to right side compartment top	
36.	1	Storage bracket for anchor auger on top of left side compartment	
37.	1	Grab handle installed on front corner of riding seat console	
38.	1	Grab handle installed at rear corner of riding seat console	
39.	4	Outrigger pad holders installed under body.	
40.	1	Storage bracket for the pole puller, installed on front outrigger leg.	
41.	1	Soft copper reel rack (Altec P/N: 9700-86449), installed.	
42.	1	Vise pocket plate and pocket installed at tailshelf extension. To include locking T-screw.	
43.	1	Pole rack assembly on streetside of body. Rack to accommodate two (2) poles. Rear pole rack uprights to be installed so they don't interfere with hotstick door or access to ladder rack. Front rack to have adjustable sliding collar. Rear pole rack to have bullet teeth and fixed uprights. Both racks to have nylon straps with hand ratchets.	

OH STS D3050-55-60

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
44.	1	Rope style compartment lights installed in each compartment. Wiring installed in loom with switch located in cab. Switch to be energized only when chassis lights are on.	
45.	1	Derrick Storage Support	
<u>BODY ACCESSORIES</u>			
46.	1	T125 Pintle hook with frame reinforcement and two safety chain rings installed at 28 inches (+/- 1 inch) from ground to center of eye	
47.	2	NuSteps installed one each side at rear	
48.	2	D-Rings installed on rear of primary outriggers.	
49.	1	(Set) splash aprons, installed behind rear wheels	
50.	1	Triangular reflector kit installed in cab behind seat on passenger's side	
51.	2	Ten pound fire extinguisher with mounting bracket, shipped loose	
52.	1	Rubber dock bumpers installed on right and left side of frame at rear	
<u>ELECTRICAL ACCESSORIES</u>			
53.	1	LED Lights and reflectors in accordance with FMVSS #108 lighting package, installed	
54.	1	Electrical trailer connection installed	
55.	2	LED Amber strobe light installed on each side of derrick storage support with master switch and indicator light installed in cab.	
56.	1	Four corner LED strobe system: A) Two (2) amber strobe capsules installed in front turn signal housings B) Two (2) 4" round amber strobes installed in rear light channel C) Master switch in cab	
57.	1	Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.	
58.	1	Backup alarm, installed at rear. Backup alarm adjusts automatically to provide from 87 to 112 decibels alarm, depending on ambient noise	

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		conditions. Alarm is installed in 4.5 inch (114 mm) diameter hole with rubber grommet and is wired to chassis backup lights. Installation at rear provides a protected environment for alarm, free from damage from road spray and debris.	
59.	1	Hour meter installed to record PTO operating hours	
60.	1	Install Altec MP System for in-cab accessory switch panel. Includes dual lit switches for function identification and function activation.	

INSTALLATION

61.	1	Installation of derrick and subbase assembly	
62.	1	Installation of body and accessories	
63.	1	Paint body White with urethane enamel	
64.	1	Derrick painted white with the Altec Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electrostatically applied to the <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection	
65.	1	Non skid on all walking surfaces	
66.	3	Three (3) Lev-O-Gage inclinometers. Two (2) installed each side at rear of tailshelf and one (1) at curbside of tailshelf.	
67.	1	Safety and Instructional Signs, installed	
68.	1	Vehicle height placard is to be placed in view of driver	
69.	1	DOT Certification of completed vehicle	
70.	1	Delivery of completed vehicle	

MISCELLANEOUS

71.	1	This derrick is designed and manufactured in a facility that is certified to meet ISO 9001	
72.	1	One (1) year parts warranty	

OH STS D3050-55-60

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
73.	1	One (1) year labor warranty	
74.	1	Ninety (90) days warranty for travel charges	
75.	1	For so long as the initial purchaser owns the product, major components warranty at an Altec service facility (See Altec Limited Warranty)	
76.	1	Bidder 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.	
LIST PRICE			\$ 164,600.00
STATE DISCOUNT			\$ 14,964.00
STATE PRICE			\$ 149,636.00

RECOMMENDED CHASSIS

77. 1 CT: 138 inches
GVWR: 48,000 pounds
FAWR: 14,000 pounds
RAWR: 34,000 pounds

See chassis specs, options, and pricing at end of Pricelist

OPTIONS

- | | | | |
|----|---|---|----------|
| 1. | 1 | Altec Model D3055A Hydraulic Derrick, designed for behind the cab or rear mount, built in accordance with Altec's standard specifications and to include the following features:
IN LIEU OF D3050. ADD... | \$ 654 |
| 2. | 1 | Altec Model D3060A Hydraulic Derrick, designed for behind the cab or rear mount, built in accordance with Altec's standard specifications and to include the following features:
IN LIEU OF D3050. ADD... | \$ 1,307 |

OH STS D3050-55-60

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
3.	1	D4060A in lieu of D3060A, must pickup option for D3060 as well. ADD...	\$ 5,695
4.	1	D4050A in lieu of D3050A ADD...	\$ 5,695
5.	1	#46 Radial auxiliary outriggers in lieu of the #47 three-stage outriggers. ADD...	\$ 1,435
6.	1	Hydraulically activated out and down outriggers in lieu of the "A" frame and radial outriggers. ADD...	\$ 5,182
7.	1	Rotation Interlock System. ADD....	\$ 1,398
8.	1	#176 Platform use or combined Digger Derrick/Platform use. ADD...	\$ 300
9.	1	#145 Platform – fiberglass pin-on, 24 x 24 x 42 inches, nominal, with interior/exterior platform access step, 300 pound capacity. ADD...	\$ 996
10.	1	#150 Platform Cover – for single, one-man, side mounted fiberglass platform, nylon-reinforced vinyl, 24 x 24 inches. ADD...	\$ 54
11.	1	#153 Platform Liner – for single, one-man, side mounted fiberglass platform, 24 x 24 x 42 inches, 50 Kv. ADD...	\$ 296
12.	1	#168 Rear Mount – Traditional Control Seat, installed on curb side of turntable, includes single control station. IN LIEU OF OPTI-VIEW SEAT. DEDUCT...	\$ (1,067)
13.	1	#109 Joystick Control Panel, replaces selected control panel. <i>Note: Joystick Control Panel replaces Traditional Control Seat.</i> ADD...	\$ 1,109
14.	1	Control Console with T-Stand in lieu of riding seat. ADD...	\$ 2,276
15.	1	Swivel arm for T-Stand console. ADD...	\$ 1,047
16.	1	Flip-up operator platform at tailshelf. ADD...	\$ 631
17.	1	#039 Radio Remote Controls, lower controls. <i>Note: Radio Remote Controls can be a stand alone system or can be used in conjunction with other control systems.</i> ADD...	\$ 8,196
18.	1	#118 Docking station for using main Radio Remote Control (Option 39) at boom tip for upper controls. ADD...	\$ 408

OH STS D3050-55-60

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
19.	1	#098 No hard wired upper controls, but with tool circuit at boom tip. ADD...	\$ 671
20.	1	#108 Four-Lever Upper Controls and Tool Circuit, transferable, including power package. Controls include: (a) four (4) individual levers, for lift, rotation, sequential extension and winch functions (b) one knob for on/off (blocking valve), including automatic two-speed throttle (c) one knob for on/off of upper tool circuit and engine start/stop ADD...	\$ 5,220
21.	1	Steel sliding console covers for Opti-View control station. ADD...	\$ 598
22.	1	#119 Jib – fiberglass, 4.8 foot material handling, two (2) piece telescopic, extends from 3.6 feet to 4.8 feet, manual articulation. ADD...	\$ 1,566
23.	1	Jib storage bracket. ADD...	\$ 337
24.	1	Braden Model AHSU10-12FEB Front Mounted Winch with heavy duty Braden Universal Bumper. ADD... A. 30,000-lbs. Capacity B. 4:1 extended shaft speed C. Extended shaft to right side D. Extend front frame rails as necessary for installation E. Extend front bumper and cover with treadplate F. Low Mount installation G. Hydraulic drive assembly for front winch including: 1. Two speed hydraulic motor 2. Hydraulic hoses and fittings 3. Installation including controls for winch forward/reverse and two-speed in cab and at front extension H. (Set) flag holders installed on front bumper I. 4-way roller J. Storage box on street side K. Quick hook (wide-mouth type) L. 200' of ½" diameter IWRC winch cable with loop sliced in one end M. Winch guard upper and lower N. Vernier throttle at front extension	\$ 16,121

OH STS D3050-55-60

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		O. Wired for first gear hold	
		P. Emergency stop/start	
25.	1	Delete pole rack assembly and auxiliary boom saddle support. DEDUCT...	\$ (1,581)
26.	1	Astoria 138"CT fiberglass body in lieu of steel. Includes following features: ADD... <ul style="list-style-type: none"> - Aluminum rock guards - Steel structural channel crossmembers - Spring loaded door holders on all vertical compartments - Vinyl coated chain on horizontal compartments - Drop in plastic tailboard at rear of body with aluminum pockets - Aluminum treadplate riser, 6" up each side of cargo wall. 	\$ 7,888
27.	1	Aluminum tailshelf in lieu of steel. ADD...	\$ 121
28.	1	Aluminum rubber goods box in lieu of steel. ADD...	\$ 190
29.	1	Aluminum ladder box in lieu of steel. ADD...	\$ 266
30.	4	Sauber aluminum outrigger pads in lieu of wood. ADD...	\$ 748
31.	1	Recessed swivel D-Ring installed in cargo floor, each. ADD...	\$ 286
32.	1	Hand coil rack consisting of upper and lower steel rails. Top rail to include 4 sliding 'J' hooks. Each rail approx 48"L. ADD...	\$ 617
33.	1	Water cooler bracket, adjustable. ADD...	\$ 71
34.	1	Hastings grounding reel with 50' of 1/0 cable. Includes 3 point ground system with front and rear lugs. ADD...	\$ 3,529
35.	1	Fifty feet (50') of 1/0 copper cable, shipped loose. To include C-clamp on one end and Duckbill clamp on other end. Includes 3 point ground system with front and rear lugs. ADD...	\$ 1,072
36.	1	Spotlight installed in chassis "A" pillar, each. ADD...	\$ 349
37.	1	Unity combination spot/flood light, each. ADD...	\$ 355
38.	1	Hayes electric brake controller. ADD...	\$ 463

OH STS D3050-55-60

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
39.	1	Star Beam dual bulb R/C spotlight (Altec p/n: 0684-35052). ADD...	\$ 1,097
40.	2	TST Underbody lights. ADD...	\$ 384
41.	1	12V DC power outlet, each. ADD...	\$ 270
42.	1	Auxiliary start/stop at tailshelf. ADD...	\$ 263
43.	1	Reverse floodlights installed under tailshelf along frame rails. To include master switch in cab and tie to 'R' function on automatic transmission if available. ADD...	\$ 332
44.	1	Additional 4" round LED amber strobe, each. ADD...	\$ 297
45.	1	1200W inverter with GFI receptacle installed at curbside rear. Note: Customer must order uprated alternator for proper inverter output. ADD...	\$ 1,514
46.	1	Front bumper cone holder. Horizontal bar with pivot at curbside and locking pin at streetside. ADD...	\$ 599
47.	1	Front bumper cone holder. Vertical storage with loops. ADD...	\$ 750
48.	1	Rustproofing. ADD...	\$ 577
49.	1	Custom color paint code (in lieu of standard white) for steel body, unit, and accessories. ADD...	\$ 1,028
50.	1	Custom color gelcoat (in lieu of standard white) for Astoria Fiberglass body. ADD...	\$ 1,919



March 1, 2013

OH STS Contract #7751501908
DM45/47/50 Digger Derrick (C3506)
For 33k – 37k GVWR Chassis Application
45’/47’/50’ Sheave Height Hydraulic Digger Derrick – Flatbed T-Box

Item **Quantity**

Description

UNIT

1. 1 Altec Model **DM45** Hydraulic Derrick, **Rear mount**, designed for mounting over rear axle with a **Turntable winch**, built in accordance with Altec Industries standard specifications and to include the following features:

Maximum Sheave Height 44.4 ft

Maximum Horizontal Reach 35.0 ft

Maximum Digging Radius 24.8 ft

Elevation – From 80 degrees above horizontal
to 20 degrees below horizontal

Performance Ranges per the attached capacity chart.

- A. Unit meets or exceeds ANSI 10.31-1995. Unit serial number placard clearly states compliance.
- B. Unit is designed and manufactured in facilities that are certified to meet ISO 9001 requirements.
- C. 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

50' Digger Derrick with Flatbed

<u>Item</u>	<u>Quantity</u>	<u>Description</u>
		gear winch. Counterbalance valves on motor provide reliable load holding
		D. Insulated, "46 kV and below"
		E. 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: <ul style="list-style-type: none">- Boom Lower- Intermediate Boom Extend- Third Stage Boom Extend- Winch Raise- Auger Dig System automatically resets when overload condition is relieved.
		F. Hydraulic Side Load Protection relieves overload conditions by allowing rotation system to back drive.
		G. System pressure gauges on all vehicle mounted main control stations.
		H. Transferable Boom Flares include adjustable alignment guides .
		I. Pole Guides – cylinder driven open/close and tilt includes double pilot operated check valves to support poles in both tilt directions. Also includes tilt interlock that prevents the upper boom from extending when the transferable flares are attached to the intermediate boom until the guides are articulated to the full up position.
		J. Fiberglass Boom Tip with provisions for platform attachment.
		K. Two-part load line attachment point on intermediate boom.
		L. 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.
		M. Cylinders: Rods are chrome plated and ends are threaded and welded.
		N. Bearings: Lift cylinder equipped with self-aligning bearings. All extending booms utilize slide bearings ; there are no roller bearings on extending booms.

50' Digger Derrick with Flatbed

Item Quantity

Description

- O. Proportional-Hydraulic Control System: The electrical control panel(s) and pilot hydraulic system provide easy to operate controls with superior metering. There are only **two hydraulic lines through rotation**. Hydraulic control valves for Rotation, Boom Elevation, Boom Extension, Digger and Winch are pilot operated and controlled by a proportional pilot system which provides full metering and feathering characteristics. There are **no hydraulic lines within operator control station**.
- P. Control system includes **single quick connect plug** for quick and easy installation of radio remote control system in the field upon request.
- Q. Standard/Low Speed Selector allows an operator to select standard or low functional speeds without respect to engine throttle. When in standard mode, each function operates at normal speeds. When in low mode, the maximum operational speed of each function is approximately half that of the standard speed, providing a more meterable feel. The function is separate from engine throttle control, giving the operator additional fine tuning speed control.
- 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 worm 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. Complete Hydraulic System including:
 - 1. Magnetic suction separator
 - 2. Return line filter with cold oil indicator
 - 3. Hydraulic pressure gauges
- W. Outrigger/Boom Interlock System: Helps prevent operator from using unit until all outriggers are lowered.

50' Digger Derrick with Flatbed

Item Quantity

Description

- X. 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.
- Y. Outrigger Control Valves, located at tailshelf
- Z. Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.
- AA. Back-up Alarm, installed
- BB. Preventative Maintenance: Unit owner can select means of tracking maintenance intervals by calendar time or PTO hours. If the owner selects calendar driven cycles, preventative maintenance is required no more frequently than every 6 months. If the owner selects PTO hour driven cycles, preventative maintenance interval is likely to be greater than 6 months. Both programs allow the equipment owner to lower life cycle costs through higher product uptime and lower maintenance costs.
- CC. Tool outlets at tailshelf – tool control valve is integral to the outrigger control valve on the vehicle curbside.
- DD. Two (2) Operator's and Maintenance/Parts Manuals
- EE. 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 electrostatically applied to the *inside* as well as outside of all fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection.

- 2. 1 #005 Rear Mount pedestal
- 3. 1 #008 Turntable Winch
- 4. 1 #011 Winch, normal speed (15,000 pounds)
- 5. 1 #175 Digger Derrick use only (no Personnel Handling)
- 6. 1 #168 Rear Mount – Traditional Control Seat, installed on curb side of turntable, includes single control station

50' Digger Derrick with Flatbed

<u>Item</u>	<u>Quantity</u>	<u>Description</u>
7.	1	#031 Foot throttle
8.	1	#102 Cover – for standard Control Panel, vinyl
9.	1	No hard wired upper controls and no tool circuit at boom tip
10.	1	#088 Digger – right-hand storage – normal
11.	1	#094 Digger, Two-Speed Mechanical Shift, 12,000 ft-lbs, includes all of the components necessary to operate digger, installed
12.	1	#206 Auger assembly, 18 inch diameter, for 2 ½ inch kelly bar, carbide teeth
13.	1	#222 1 Inch x 115 feet – installed, 12,000 pound rating, for turntable winch
14.	1	#019 Swivel hook/downhaul weight, 5 ton capacity, 16 lbs.
15.	1	#044 Outriggers, A-frame, folding shoe, 153 inch maximum spread, for use as auxiliary outriggers only on DM units
16.	1	#450 Outriggers, A-frame, folding shoe, 153 inch maximum spread, for use as primary outriggers
17.	1	#501 Power Distribution Module, shipped loose. The Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches (305 x 330 mm), designed to be mounted behind the driver's seat, inside the cab. Additional modules plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical components. The PDM includes built in test capabilities and diagnostic input, output and status LED's to quickly assess the PDM's performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required.

The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby reducing maintenance costs, shipped loose.

50' Digger Derrick with Flatbed

<u>Item</u>	<u>Quantity</u>	<u>Description</u>
18.	1	No Electronic Side Load Protection – unit will be equipped with standard hydraulic side load protection
19.	1	No Altec RotaFloat System
20.	1	#077 Reservoir Assembly – includes 60 gallon reservoir, filter, and magnetic suction separator. Installed at front of flatbed.
21.	1	#060 Pole Puller – with 7 feet of 5/8 inch high-tensile chain and base
22.	1	Custom Option – pedestal through storage tunnel

UNIT AND HYDRAULIC ACCESSORIES

23.	1	Hydraulic pump – right-hand rotation, 14/21 @ 1,200 rpm, tandem vane
24.	1	(Set) Rubber wheel chocks, 10”L x 8”W x 5 1/2”H.
25.	1	Hydraulic oil and lubricants, installed
26.	1	Cab control, heavy duty SAE PTO to be electronically engaged and disengaged.
27.	1	Subbase assembly for mounting of derrick pedestal and outriggers, to consist of 6 inch x 4 inch tubing (3/8 inch wall) each side of chassis frame with top and bottom plate. To include longitudinal storage with stops at 120”. Includes rear drop down door.
28.	1	Samson Nylite spool shield
29.	1	Auger wind up sling
30.	1	Stanley hydraulic tamp complete with three (3) feet of hose and quick disconnect couplings with three (3) foot handle
31.	1	(Set) of two 40 foot hydraulic hoses with two (2) quick disconnect couplings, dust caps, and fittings for hydraulic tool use installed on spring loaded reel at center rear of flatbed.
32.	1	0-8GPM flow divider, variable for installation of tools at tailshelf
33.		Altec Braden PD18 Front Mounted Winch with heavy duty Braden Universal Bumper, including: <ul style="list-style-type: none">A. 20,000 pound capacityB. Extended shaft to curb sideC. Hydraulic drive assembly for front winch, including:

50' Digger Derrick with Flatbed

<u>Item</u>	<u>Quantity</u>	<u>Description</u>
		1. Control valve assembly, installation including controls for winch forward/reverse
		2. Hydraulic hoses and fittings
		D. Winch controls installed at front extension
		E. 4-way roller
		F. Vernier throttle, installed
		G. IWRC 250' of ½" diameter winch cable with loop spliced in one end
		H. Storage box, installed at street side
		I. Tow eye
		J. Screw shackle
		K. Curved profile for International chassis
		L. Wired for auto neutral
		M. Winch guard upper and lower (for front winch)

BODY

34. 1 Altec 42" saddle compartment, for installation on any rear wheel chassis with an 120"CA dimension, to include the following:

A. Body Features

1. Structural channel subbase
2. Treadplate installed on top of compartments
3. Rigid door holders on all body doors
4. Drip molding above and in front of all door openings
5. Full length rod-style hinges
6. Gang locks, installed one (1) each side of body
7. Automotive style rotary paddle latches
8. Automotive style bubble gasket door seals, installed on all four (4) sides of door opening.
9. Rope lighting, installed on all three (3) sides of compartment and wired to Altec's standards

B. Body Dimensions

1. 42" length
2. 96" outside width
3. 46" height
4. 20"D compartment

C. Compartmentation- Street Side

Single compartment with double overlapping doors:

1. Eight (8) swivel material hooks mounted (2-4-2) as high as possible in compartment.
2. Three (3) adjustable shelves with dividers on 4 inch centers.

50' Digger Derrick with Flatbed

<u>Item</u>	<u>Quantity</u>	<u>Description</u>
		D. Compartmentation- Curb Side Single compartment with double overlapping doors: <ol style="list-style-type: none">1. Eight (8) swivel material hooks mounted (2-4-2) installed 12" above compartment floor. Hooks to have an 8" throat2. Two (2) adjustable, reinforced shelves with adjustable dividers on 4" centers.
35.	1	Altec Flatbed, build in conjunction with 42"L saddle compartment, to include the following: <ol style="list-style-type: none">A. Flatbed Features<ol style="list-style-type: none">1. 12 gauge safety tread steel floor (four-way pattern)2. Structural channel understructure, notched for subbase3. 5" perimeter lip with drain holes4. Retainer pockets and removable boards, installed across all openings in perimeter of flatbed.5. Four "D" rings, installed in front of the pedestalB. Approximate Flatbed Dimensions<ol style="list-style-type: none">1. 120" overall length2. 96" outside widthC. Standard Features:<ol style="list-style-type: none">1. Basic body fabricated from A60 grade 100% zinc alloy coated steel2. All doors are full, double paneled, self-sealed with built-in drainage for maximum weather-tightness. Electro-zinc plated, steel hinge rods extend full length of door. Door hinges are zinc alloy material attached with rivets.3. All doors contain zinc plated flush type, single point paddle type locks with recessed handles, including keyed locks and adjustable two-stage strikers. Door handles are riveted to the outer door panel. Back panel has opening for easy access.4. Heavy-gauge welded steel base construction with safety tread floor.5. All edges are either rolled or folded for strength and safety6. Door header drip rail at top for maximum weather protection.7. Steel treated for extra good primer bond and rust resistance8. Automotive underseal applied to body.9. Prime painted with two part epoxy.10. Automotive type non-porous door seals mechanically

50' Digger Derrick with Flatbed

<u>Item</u>	<u>Quantity</u>	<u>Description</u>
		fastened to the door facing.
35.	1	Punched metal mesh screen 12"H around top edge of transverse compartment
36.	1	Vertical ladder steps installed at right side of flatbed rear of T-Box.
37.	1	Grab handle installed at right side access steps
38.	1	Gripstrut step on side of flatbed edge to aid getting around control panel riding seat.
39.	2	Grab handles installed one each side of curbside rear access step.
40.	1	Vertically adjustable step installed on riding seat platform for access from flatbed.
41.	1	2 pole capacity pole rack installed on street side of flatbed.
42.	1	Storage bracket for the pole puller, installed on curbside outrigger leg.
43.	1	Cone holder, rear of flatbed.
44.	1	Rope style compartment lights installed in each compartment. Wiring installed in loom with switch located in cab. Switch to be energized only when chassis lights are on.
45.	1	Derrick Storage Support w/ offset for pole rack

BODY ACCESSORIES

46.	1	Pintle hook with frame reinforcement and two safety chain rings installed at 28 inches (+/- 1 inch) from ground to center of eye
47.	1	(Set) splash aprons, installed behind rear wheels
48.	1	E-Z Step installed at curbside rear corner of flatbed.
49.	1	Triangular reflector kit installed in cab behind seat on passenger's side
50.	2	Ten pound fire extinguisher with mounting bracket, installed at front of body.
51.	1	Rubber dock bumpers installed on right and left side of frame at rear
52.	1	(Set) tow hooks installed at front of chassis

50' Digger Derrick with Flatbed

<u>Item</u>	<u>Quantity</u>	<u>Description</u>
53.	1	Through storage for 6 inch body cross members
<u>ELECTRICAL ACCESSORIES</u>		
54.	1	LED Lights and reflectors in accordance with FMVSS #108 lighting package, installed
55.	1	Six way (6) electrical trailer connection installed
56.	2	LED Amber strobe light installed on street side of derrick storage support with master switch and indicator light installed in cab. Strobe light is to be visible from the front and rear of the vehicle.
57.	1	Hastings spring loaded grounding reel with 50' of 2/0 cable, ferrule, and clamp, installed at rear of flatbed next to hose reel, paying out to the rear.
58.	1	3 Point grounding system, including front & rear grounding lugs.
59.	1	Post mounted spotlight installed on driver's side
60.	2	Unity combination spot/flood lights. One installed on derrick storage support facing flatbed and one installed on rear of pedestal.
61.	1	Directional light bar installed at rear of flatbed.
62.	1	4 Corner LED Strobe System: A) Strobes in front turn signal housings B) Strobes installed in rear light channel C) Master switch on dash
63.	1	Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.
64.	1	Backup alarm, installed at rear. Backup alarm adjusts automatically to provide from 87 to 112 decibels alarm, depending on ambient noise conditions. Alarm is installed in 4.5 inch (114 mm) diameter hole with rubber grommet and is wired to chassis backup lights. Installation at rear provides a protected environment for alarm, free from damage from road spray and debris.
65.	1	Hour meter installed to record PTO operating hours
66.	1	Install Altec MP System for in-cab accessory switch panel. Includes dual lit switches for function identification and function activation.

50' Digger Derrick with Flatbed

Item Quantity

Description

INSTALLATION

- | | | |
|-----|---|--|
| 67. | 1 | Installation of derrick and subbase assembly |
| 68. | 1 | Installation of body and accessories |
| 69. | 1 | Paint body White with urethane enamel |
| 70. | 1 | Derrick painted white with the Altec Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electrostatically applied to the <i>inside</i> as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection |
| 71. | 1 | Safety and instructional signs, installed |
| 72. | 1 | Vehicle height placard is to be placed in view of driver |
| 73. | 1 | DOT Certification of completed vehicle |
| 74. | 1 | Delivery of completed vehicle |

MISCELLANEOUS

- | | | |
|-----|---|---|
| 75. | 1 | This derrick is designed and manufactured in a facility that is certified to meet ISO 9001 |
| 76. | 1 | One (1) year parts warranty |
| 77. | 1 | Ninety (90) days warranty for travel charges |
| 78. | 1 | One (1) year labor warranty |
| 79. | 1 | For so long as the initial purchaser owns the product, major components warranty at an Altec service facility (See Altec Limited Warranty) |
| 79. | 1 | Bidder 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. |

LIST PRICE

\$ 151,849.00

50' Digger Derrick with Flatbed

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	
		STATE DISCOUNT	\$ 13,805.00
		STATE PRICE	\$ 138,044.00

RECOMMENDED CHASSIS

- | | | |
|-----|---|---|
| 80. | 1 | 120"CA
14,000-lb. FAWR
21,000-lb. RAWR
35,000-lb. GVWR |
|-----|---|---|

See chassis specs, options, and pricing at end of Pricelist

OPTIONS

- | | | | |
|-----|---|---|----------|
| 1. | 1 | Altec Model DM47 Hydraulic Derrick, Rear mount , designed for mounting over rear axle with a Turntable winch , built in accordance with Altec's standard specifications. ADD... | \$ 1,601 |
| 2. | 1 | DM50 in lieu of DM47, <i>must order DM47 option.</i> ADD... | \$ 7,917 |
| 3. | 1 | Control console with T-Stand in lieu of riding seat. ADD... | \$ 2,276 |
| 4. | 1 | Swivel arm for T-Stand console. ADD... | \$ 1,047 |
| 5. | 1 | Flip-up operator platform at tailshelf. ADD... | \$ 631 |
| 6. | 1 | #176 Platform use / combined Digger Derrick/Platform use. ADD... | \$ 300 |
| 7. | 1 | #134 Altec Rota-Float : includes alarm and visual indicator. ADD... | \$ 1,142 |
| 8. | 1 | #132 Altec Electronic Side Load Protection (eSLP) TM - includes indicator gauge and lamp. ADD... | \$ 1,322 |
| 9. | 1 | #039 Radio Remote Controls, lower controls. <i>Note: Radio Remote Controls can be a stand alone system or can be used in conjunction with other control systems.</i> ADD... | \$ 8,196 |
| 10. | 1 | #098 No hard wired upper controls, but with tool circuit at boom tip. ADD... | \$ 671 |
| 11. | 1 | #118 Docking station for using main Radio Remote Control at boom | \$ 408 |

50' Digger Derrick with Flatbed

<u>Item</u>	<u>Quantity</u>	<u>Description</u>		
		tip for upper controls. ADD...		
12.	1	#145 Platform – fiberglass pin-on, 24 x 24 x 42 inches, nominal, with interior/exterior platform access step, 300 pound capacity. ADD...	\$	996
13.	1	#150 Platform Cover – for single, one-man, side mounted fiberglass platform, nylon-reinforced vinyl, 24 x 24 inches. ADD...	\$	54
14.	1	#153 Platform Liner – for single, one-man, side mounted fiberglass platform, 24 x 24 x 42 inches, 50 kV. ADD...	\$	296
15.	1	#152 Scuff pad, liner, 24 x 24 inches. ADD...	\$	124
16.	1	Transverse 1 st vertical compartment with top opening lid.	\$	1,151
17.	1	Single doors for each compartment in lieu of double overlapping.		N/C

March 1, 2013

OH STS Contract #7751501908
DB37 Backyard Digger and Trailer
37' Sheave Height Backyard Machine

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
1		<p>Altec Model DB37 Hydraulic Derrick, designed for mounting on a tracked carrier with a turntable winch, built in accordance with Altec's standard specifications and to include the following features:</p> <p>Maximum Sheave Height: 36.6 feet (without jib)</p> <p>Maximum Sheave Height: 44.6 feet (with jib)</p> <p>Maximum Horizontal Reach: 30.2 feet</p> <p>Maximum Digging Radius: 19.5 feet</p> <p>Elevation - From 75 degrees above horizontal to 6 degrees below horizontal</p> <p>A. Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are being hydraulically actuated.</p> <p>B. Digger, Single-Speed, fully proportional, 2,500 ft-lbs (3390 N-m) - includes all of the components necessary to operate digger (installed)</p> <p>C. Auger assembly, 18 inch (457 mm) diameter, for 2 inch (51 mm) Kelly bar, carbide teeth</p> <p>D. Rope, material handling, 1/2 inch x 80 feet (13 mm x 24.4 m) - installed, 3,000 pounds (1361 kg) rating. Includes eyes at both ends.</p> <p>E. Outrigger/boom interlock system, prevents operation of unit until all outriggers are down.</p> <p>F. Swivel hook/downhaul weight, 1 1/2 ton (1.4 t) capacity.</p>	

G. Digger Derrick Conforms to ANSI A10.31-1995

H. Insulated, "46 kV and below"

I. Pendant drive controls installed.

1. 1 #410 Trailer - 10,000 pound GVWR includes wheel chock holders and tie down straps.
2. 1 #121 Jib - fiberglass, 8 foot (2.4 m) material handling, one (1) piece, manual articulation accomplished utilizing five (5) pinning positions. Includes boom mounting bracket and hardware, pins, and trailer brackets.
3. 1 #145 Platform - fiberglass pin-on, 24 x 24 x 42 inches (610 x 610 x 1067 mm), nominal, with interior/exterior platform access step, 300 pound capacity (136 kg) (See Note #1) - price is per platform and includes unit mounting bracket and trailer tie down strap. *Note: requires radio remote controls and docking station.*
4. 1 #150 Platform Cover - for single, one-man, side mounted fiberglass platform, nylon-reinforced vinyl, 24 x 24 inches (610 x 610 mm)
5. 1 #39 Radio Remote Controls, installed, Operate all Digger Derrick functions
6. 1 #118 Docking station for use with Radio Remote Control at boom tip for upper controls
7. 1 #113 Pole guide, manual tilt
8. 1 #400 Pole Carrier, bracket mounted to carrier - maximum weight rating of 2,000 pounds (907 kg)
9. 1 #420 Cargo Platform, fold out - maximum weight rating of 1,300 pounds (590 kg)
10. 1 #297 Tools below rotation - one set of quick disconnect tool outlets
11. 1 #411 Outrigger pads, set of 4, wood, 18 x 18 x 3 inch
12. 1 #155 Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, interlocking buckles on leg straps and nylon web loop fall arrest attachment on back. Lanyard has built in shock absorber that allows 28 inches (711 mm) of automatic adjustability. (See Note #1)

UNIT AND HYDRAULIC ACCESSORIES

1. 1 Hydraulic oil and lubricants, installed
2. 1 Substructure for mounting of derrick pedestal and outriggers to carrier.
3. 1 Derrick Boom Storage Support

INSTALLATION

1. 1 Installation of derrick and subbase assembly
2. 1 Derrick painted white with the 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 fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection
3. 1 Safety and instructional signs, installed

MISCELLANEOUS

1. 1 This derrick is designed and manufactured in a facility that is certified to meet ISO 9001
2. 1 One (1) year parts and labor warranty. Ninety (90) days warranty for travel charges.
3. 1 Delivery of completed vehicle

CARRIER

1. 1 Tracked Carrier
Diesel engine and direct drive pump provide hydraulic power for carrier and unit operation.
Fuel tank, installed, 12 gallon (45 l) capacity.

LIST PRICE	\$ 157,599.00
STATE DISCOUNT	\$ 14,327.00
STATE PRICE	\$ 143,272.00

March 1, 2013

OH STS Contract #7751501908
Fiberglass Service Body
For 60"CA Chassis Application

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	<u>Body</u>		
1.	Brand FX model BFXB 60LS Series Service body designed for mounting on cab and chassis with extended cab, 60 inch CA. 108 inches long. 94 inches wide. 54 inch floor width. 42 inch height. 20 inch compartment depth. -Aluminum understructure. -Aluminum treadplate on cargo floor, walls and compartment tops. -Stainless steel hinges, latches and hardware. Latches shall be recessed paddle type. -All doors to have rubber seals and door holders. -Three adjustable shelves in the vertical compartments and one adjustable shelf in the horizontal compartments. Shelves to have removable dividers. -Yellow gelcoat to match chassis, Ford W-6695.	1	
2.	Service Body -Aluminum tailshelf, 30 inches with streetside and curbside access to cargo area with steps and handrails. -LED lights mounted into tailshelf as follows: All to be round, grommet mounted, 4 inch LED, pigtail and Deutsch connector. Two outer lights, each side, red Brake/Turn/Tail. One inner light, each side, clear Backup. Rope style compartment lights. -Aluminum ladder rack mounted on top of curbside compartment. Mud flaps installed behind rear wheels	1	
3.	Delivery Of Completed Unit	1	
	LIST PRICE		\$16,262
	STATE DISCOUNT		(\$1,477)
	STATE PRICE		\$14,785

ADDITIONAL OPTIONS

Additional Option 1 -Class III receiver hitch with 2 inch safety chain loops. -Round 7 pole trailer receptacle with round pins. ADD.....	1	\$530
Additional Option 2 -Rear warning lights to include round 4 inch amber LED, pigtail and Deutsch connector, grommet mounted into upper rear of the streetside and curbside compartments, controlled by switch in cab. ADD.....	1	\$725
Additional Option 3 -Backup alam. ADD.....	1	\$135
Additional Option 4 -Two post mounted spotlights in chassis cab, one in driver side post and one in passenger side post. ADD....	1	\$495
Additional Option 5 -1200 watt inverter, location TBD, with curbside rear GFI receptacle. ADD....	1	\$1,514
Additional Option 6 -2400 watt inverter, location TBD, with curbside rear GFI receptacle. ADD.....	1	\$2,756



March 1, 2013

OH STS Contract #7751501908
Common Options List
For applicable Aerial Devices and Digger Derricks

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
1.	1	Recessed swivel D-Ring, ADD...	\$ 286
2.	1	Standard D-Ring (non-recessed), each. ADD...	\$ 179
3.	1	Water cooler bracket. ADD...	\$ 71
4.	1	Buckingham ergonomic harness/lanyard. ADD...	\$ 238
5.	1	Three point ground system with front and rear lugs. ADD...	\$ 829
6.	1	Hastings spring loaded grounding reel with 50' of 1/0 cable, includes three point ground system with front and rear lugs. ADD...	\$ 3,529
7.	1	Hastings spring loaded grounding reel with 50' of 2/0 cable, includes three point ground system with front and rear lugs. ADD...	\$ 3,710
8.	1	50' of 1/0 grounding cable (loose), three point ground system, front and rear ground lugs. ADD...	\$ 1,072
9.	1	Hannay spring loaded grounding reel with 50' of 1/0 cable, includes three point ground system with front and rear lugs. ADD...	\$ 1,829
10.	1	Post mount spotlight for chassis 'A' pillar, ADD...	\$ 349
11.	1	Unity combination spot/flood light, ADD...	\$ 355

Common Options List

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
12.	1	Electric brake controller, ADD...	\$ 462
13.	2	TST Underbody Lights. ADD...	\$ 384
14.	1	Streamlight with vehicle mounted holder/charger. ADD...	\$ 432
15.	1	GoLight remote control light with dash mounted controller. ADD...	\$ 462
16.	1	NiteRay spot/flood remote control light with dash mounted control. ADD...	\$ 664
17.	1	Reverse/Work floodlights installed under tailshelf. ADD...	\$ 332
18.	1	LED cargo wall light, each. ADD...	\$ 263
19.	1	Additional 4" round LED strobe. ADD...	\$ 303
20.	1	My Mobile Vision, SM7-127-1087 KIT, back up camera system. ADD...	\$ 1,050
21.	1	Back up sensor, only, installed. ADD...	\$ 405
22.	1	1200W inverter with one (1) weatherproof GFI receptacle. ADD...	\$ 1,514
23.	1	2400W inverter with one (1) weatherproof GFI receptacle. ADD...	\$ 2,756
24.	1	Additional weatherproof GFI receptacle. ADD...	\$ 171
25.	1	12V DC power outlet, each. ADD...	\$ 270
26.	1	Auxiliary throttle control switch (when applicable). ADD...	\$ 263
27.	1	Auxiliary start/stop with emergency power (when auxiliary pump is applicable). ADD...	\$ 263
28.	1	Electric rear mount capstan, 1000 lb. capacity, w/ capstan head. ADD...	\$ 3,050
29.	1	Soft copper reel rack (holds up to 4 reels). Capable of removing individual reels without removing all reels. ADD...	\$ 662
30.	1	Hand coil rack assembly with sliding hooks. ADD...	\$ 617
31.	1	Horizontal front bumper cone holder with pivot arm and keeper	\$ 500

Common Options List

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		tab. ADD...	
32.	1	Vertical front bumper cone holder loops with drop down feature. ADD...	\$ 750
33.	1	PVC tube (75”L) with aluminum end caps, each. ADD...	\$ 617
34.	1	Aircraft Dynamics Roboreel Universal Guy Stand – Curbside installation. ADD...	\$ 750
35.	1	Aircraft Dynamics Roboreel Universal Guy Stand – Streetside installation. ADD...	\$ 750
36.	1	Aircraft Dynamics Roboreel – Triplex. ADD...	\$ 864
37.	1	Post type cone holder. ADD...	\$ 212
38.	1	Removable vise bracket with pocket assembly and locking ‘T’ screw. ADD...	\$ 234
39.	1	Removable cone holder bracket with pocket and locking ‘T’ screw. ADD...	\$ 288
40.	1	Wilton 6” vise. ADD...	\$ 212
41.	1	Universal transformer bracket. ADD...	\$ 385
42.	1	Slide-N-Lock rail assembly (up to 60”L), each. ADD...	\$ 356
43.	1	EZ-Step pull out access step in lieu of NuStep hose step. ADD...	\$ 241
44.	1	Transverse tailshelf storage with drop down doors each side (when applicable). ADD...	\$ 569
45.	1	Panned in storage area between frame rails with mesh bottom and drop down door (when applicable). ADD...	\$ 697
46.	1	Cargo access walkway in curbside of tailshelf in lieu of side of body. ADD.....	\$ 325
47.	1	Customer specified color code for steel portions of build in lieu of standard white. ADD...	\$ 1,078
48.	1	Rustproofing. ADD...	\$ 569
49.	1	Rotafloat screw anchor installation system (diggers only). ADD...	\$ 1,142

Common Options List

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
50.	1	eSLP electronic side load protection (for diggers only). ADD...	\$ 1,322
51.	1	Altec Braden PD18 Front Mounted Winch with heavy duty Braden Universal Bumper. ADD... INCLUDES: <ul style="list-style-type: none"> ✓ 20,000 pound capacity ✓ Extended shaft to curb side ✓ Hydraulic drive assembly for front winch, including: <ul style="list-style-type: none"> ➤ Electric-over-hydraulic controls for winch forward and reverse ➤ Winch controls installed at front extension and in cab on dash (toggle switch). ✓ 6) 4-way roller ✓ 7) Two speed throttle, installed ✓ 8) 250' of 1/2" cable installed ✓ 9) Storage box, installed at street side ✓ 10) Tow eye ✓ 11) Screw shackle ✓ 12) Curved profile for chassis ✓ 13) Wired for first gear hold ✓ 14) Emergency stop switch at front controls ✓ 15) Orange sight rods, installed. <p>NOTE: This option typically requires a an upgraded front axle</p>	\$ 10,730
52.	1	Hydraulic rear mount capstan, 4,000 lb capacity, with capstan head. ADD.....	\$ 6,100
53.	1	Hybrid prep package for applicable PERSONNEL ONLY aerial devices. For use with Eaton ePTO hybrid power systems. ADD...	\$ 9,866
54.	1	Hybrid prep package for applicable MATERIAL HANDLER aerial devices. For use with Eaton ePTO hybrid power systems. ADD...	\$ 10,522
55.	1	Remote mounted PEC. Required when hybrid batteries are not mounted on frame rail under extended cab chassis have to be relocated in body. ADD...	\$ 1,322



March 1, 2013

OH STS Contract #7751501908
Ford F-550 Chassis

NOTE: Chassis' are not for individual sale – all chassis orders must be in conjunction with unit/body order.

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>CHASSIS</u>	
1.	1	2013 (or newer) F-550 4x2 Cab and Chassis CA – 60 inches GVWR 18,000 lbs. FAWR 7,000 lbs. with 6,500lb springs RAWR 13,660 lbs. with 13,660 springs and 900lb auxiliary 4.10 rear axle ratio Diesel Engine - 6.7L V8; 300 hp @ 2,800 rpm; 660 lb.-ft. @ 1,600 rpm Transmission six speed electronic shift w/ OD and PTO provision Fuel tank: 40 gallon tank mounted aft of rear axle Snowplow prep package XL Décor Package Power steering with super engine cooling package Hydraulic disc brakes with 4 wheel ABS Intermittent wipers Front tow hooks Engine block heater Standard Gauge Package Dash mounted engine hour-meter 200 AMP alternator Dual maintenance free batteries (750CCA) Telescoping manual trailer tow mirrors LT225/70R/19.5F traction tread radial tires - front and rear. A/C Heater/Defroster Bench split seat (40/20/40) Dual sun visors Tinted glass Cigarette lighter	

OH STS Ford F-550 Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Auxiliary power point Tilt column steering wheel AM/FM Stereo Radio Z1 Oxford White exterior paint	
		LIST PRICE	\$36,350
		STATE DISCOUNT	(\$760)
		STATE PRICE	\$35,590
<u>OPTIONS</u>			
1.	1	84"CA in lieu of 60"CA, ADD...	\$213
2.	1	19,000GVWR in lieu of 17,950 (Must order Option #1) ADD...	\$1,155
3.	1	4x4 in lieu of 4x2, ADD...	\$4,281
4.	1	Triton V-10 gas engine in lieu of the 6.7L diesel engine, DEDUCT...	(\$5,795)
5.	1	Limited slip rear axle (for 4x2 chassis), ADD...	\$360
6.	1	Manual transmission (This option is no longer available, automatic transmission only is available)	Not Available
7.	1	Super Cab in lieu of standard cab (when applicable) ADD...	\$2,485
8.	1	Crew Cab in lieu of standard cab (when applicable) ADD...	\$3,481
9.	1	Running boards, ADD...	\$320
10.	1	Vinyl bucket seats in lieu of vinyl bench seat, ADD...	\$355
11.	1	Power Equipment Group; Includes: Power Locks, Power Front Side Windows, Includes driver side 1-touch down and accessory delay, Trailer Tow Mirrors w/Power Heated Glass, Includes manual telescoping and integrated clearance lights/turn signals). ADD...	\$895
12.	1	Standard Ford exterior color other than white	N/C



March 1, 2013

OH STS Contract #7751501908
Dodge 5500 Chassis
60"CA

NOTE: Chassis' are not for individual sale – all chassis orders must be in conjunction with unit/body order.

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>CHASSIS</u>	
1.	1	2013 (or newer) Dodge 5500 4x2 Cab and Chassis CA – 60 inches GVWR 18,750 lbs. FAWR 7,000 lbs. RAWR 13,500 lbs. Cummins Diesel Engine - 6.7L 305 HP Transmission, six speed, manual with PTO provision. Fuel tank: 52 gallon tank mounted aft of rear axle ST Package Power steering with super engine cooling package Hydraulic disc brakes with 4 wheel ABS Variable intermittent wipers Front tow hooks Engine block heater 136 amp alternator Standard Gauge Package AM/FM/CD Radio – Satellite Ready Dual front airbags with passenger cancel Dual maintenance free batteries Telescoping manual trailer tow mirrors 225/70R/19.5F (traction tread all around) A/C Heater/Defroster Vinyl 40/20/40 split bench seat Dual sun visors Tinted glass	

OH STS Dodge 5500 – 60”CA

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Cigarette lighter	
		Cruise Control	
		White exterior paint	
<u>LIST PRICE</u>			\$40,378.00
<u>STATE DISCOUNT</u>			\$841.00
<u>STATE PRICE</u>			\$39,537.00
<u>OPTIONS</u>			
1.	1	4x4 in lieu of 4x2, ADD...	\$ 3,811
2.	1	Six speed Aisin automatic, ADD...	\$ 2,869
3.	1	Full size spare tire and wheel, ADD...	\$ 438
4.	1	220 amp alternator, ADD...	\$ 419
5.	1	Snowplow prep package (if installing bumper winch package), ADD...	\$ 238
6.	1	Anti spin rear differential, ADD...	\$ 406
7.	1	Cloth 40/20/40 split bench seat in lieu of vinyl, ADD...	\$ 319
8.	1	Power accessory group, ADD...	\$750



March 1, 2013

OH STS Contract #7751501908

Dodge 5500 Chassis

84"CA

NOTE: Chassis' are not for individual sale – all chassis orders must be in conjunction with unit/body order.

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>CHASSIS</u>	
1.	1	2013 (or newer) Dodge 5500 4x2 Cab and Chassis CA – 84 inches GVWR 19,500 lbs. FAWR 7,000 lbs. RAWR 13,500 lbs. Cummins Diesel Engine - 6.7L 305 HP 50 state emission Transmission, six speed, manual with PTO provision. Fuel tank: 52 gallon tank mounted aft of rear axle ST Package Power steering with super engine cooling package Hydraulic disc brakes with 4 wheel ABS Variable intermittent wipers Front tow hooks Engine block heater 136 amp alternator Standard Gauge Package AM/FM/CD Radio – Satellite Ready Dual front airbags with passenger cancel Dual maintenance free batteries Telescoping manual trailer tow mirrors 225/70R/19.5F (traction tread all around) A/C Heater/Defroster Vinyl 40/20/40 split bench seat Dual sun visors Tinted glass Cigarette lighter	

OH STS Dodge 5500 – 84”CA

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Cruise Control White exterior paint	
		<u>LIST PRICE</u>	\$40,745.00
		<u>STATE DISCOUNT</u>	\$849.00
		<u>STATE PRICE</u>	\$39,896.00

OPTIONS

1.	1	4x4 in lieu of 4x2, ADD...	\$	3,811
2.	1	Six speed Aisin automatic, ADD...	\$	2,869
3.	1	Full size spare tire and wheel, ADD...	\$	438
4.	1	220 amp alternator, ADD...	\$	419
5.	1	Snowplow prep package (if installing bumper winch package), ADD...	\$	238
6.	1	Anti spin rear differential, ADD...	\$	406
7.	1	Cloth 40/20/40 split bench seat in lieu of vinyl, ADD...	\$	319
8.	1	Power accessory group, ADD...		\$750.00



March 1, 2013

OH STS Contract #7751501908
Ford F-750 4x2 Chassis

NOTE: Chassis' are not for individual sale – all chassis orders must be in conjunction with unit/body order.

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>CHASSIS</u>	
1.	1	2013 (or newer) F-750 4x2 cab and chassis 84"CA 12,000-lb. FAWR 21,000-lb. RAWR 33,000-lb. GVWR Transmission: Allison 3000RDS, 5 speed automatic transmission, close ratio Cummins ISB Diesel Engine: 240 HP Horizontal exhaust Fuel tank, 50 gallon, mounted under cab Exterior Color: white Front axle: 12,000 lb. I-beam type. Rear axle: 21,000 Dana Spicer 21060S Front suspension: 12,000lb spring parabolic, taper leaf. Rear suspension: 23,500 lb. Rear axle ratio: 5.57 Conventional steel cab Fiberglass tilting front end Front tires- (2) Hankook AH12 (or equivalent) Rear tires- (4) Hankook DL01 (or equivalent) Dual air brake system Front and rear automatic slack adjusters Air dryer with heater Air compressor- 13.2 CFM Auto moisture ejectors Tilting steering column 12-volt electrical system Vinyl bench seat	

OH STS Ford F-750 Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Intermittent windshield wipers	
		Cigar lighter	
		130 amp alternator	
		Battery system- Total of 2, temporary mounted.	
		AM/FM radio	
		Air horn	
		Halogen headlights	
		Engine block heater	
		Cruise Control	
		Auxiliary power point on dash	
		Exterior grab handle	
		XL Décor	
		Driver seat, fixed, high back with integral headrest	
		Two-man high intermediate back passenger seat, integrated headrest in both occupant positions	
		Break-away mirrors, West coast style with convex spots	
		Air conditioner with heater and defroster	
		Deluxe trim	
		STATE PRICE	\$ 57,158.00
		STATE DISCOUNT	\$ 1,191.00
		STATE PRICE	\$ 55,967.00
<u>OPTIONS</u>			
1.	1	102"CA in lieu of 84"CA	N/C
2.	1	108"CA in lieu of 84'CA, ADD...	\$ 88
3.	1	120"CA in lieu of 84"CA, ADD...	\$ (125)
4.	1	Driver controlled locking differential. ADD...	\$ 1,875
5.	1	Super cab in lieu of standard cab (when applicable). ADD...	\$ 2,019
6.	1	Crew cab in lieu of standard cab (when applicable). ADD...	\$ 4,781
7.	1	260HP in lieu of 240HP. ADD...	\$ 1,463
8.	1	300HP in lieu of 240HP. ADD...	\$ 2,288

OH STS Ford F-750 Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
9.	1	Allison 3500RDS, 6spd wide ratio transmission. ADD...	\$ 5,156
10.	1	Manual transmission. DEDUCT...	\$ (1,100)
11.	1	Vertical exhaust. ADD...	\$ 213
12.	1	Heated mirrors. ADD...	\$ 113
13.	1	Air Ride Driver seat, with arm rest. ADD...	\$ 500
14.	1	Single man air ride passenger seat, high back in lieu of 2 man bench. ADD...	\$ 425
15.	1	Delete A/C. DEDUCT...	\$ (300)
16.	1	Standard exterior color other than white	N/C
17.	1	200 amp (or equivalent) alternator upgrade. ADD...	\$ 738
18.	1	270 amp (or equivalent) alternator upgrade. ADD...	\$ 1,075
19.	1	Tractor trailer tow package with rear glad hands. ADD...	\$ 2,319
20.	1	Front frame rail extension. ADD...	\$ 363

OH STS Freightliner M2 33k-37k GWVR Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Battery system- Total of 2 with 2200CCA	
		AM/FM radio	
		Air horn	
		Halogen headlights	
		Cruise Control	
		Auxiliary power point on dash	
		Engine block heater	
		Driver seat, fixed, high back with integral headrest	
		Two-man high back passenger seat, integrated headrest in both occupant positions	
		Break-away mirrors, West coast style with convex spots	
		Air conditioner with heater and defroster	
		Deluxe trim	
LIST PRICE			\$ 67,342.00
STATE DISCOUNT			\$ 1,403.00
STATE PRICE			\$ 65,939.00
<u>OPTIONS</u>			
1.	1	102"CA in lieu of 84"CA. ADD...	\$ 156
2.	1	108"CA in lieu of 84'CA. ADD...	\$ 156
3.	1	120"CA in lieu of 84"CA. ADD...	\$ 448
4.	1	¼" C Channel Frame Insert. ADD...	\$ 926
5.	1	33,000lb GVWR (13,000lbFA and 20,000lb RA).	N/C
6.	1	35,000lb GVWR (14,000lb FA and 21,000lb RA). ADD...	\$ 1,404
7.	1	35,000lb GVWR (12,000lb FA and 23,000lb RA). ADD...	\$ 486
8.	1	37,000lb GVWR (14,000lb FA and 23,000lb RA). ADD...	\$ 1,148
9.	1	Driver controlled locking differential. ADD...	\$ 518
10.	1	Extended cab in lieu of standard cab. ADD...	\$ 5,446

OH STS Freightliner M2 33k-37k GWVR Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
11.	1	Crew cab in lieu of standard cab. ADD...	\$ 9,346
12.	1	Cummins 260HP/620lb-ft in lieu of 240HP. ADD...	\$ 5,525
13.	1	Cummins 260HP/800lb-ft in lieu of 240HP. ADD...	\$ 5,948
14.	1	Cummins 285HP/800lb-ft in lieu of 240HP. ADD...	\$ 6,773
15.	1	Allison 3500RDS, 6 speed automatic transmission, close ratio. ADD...	\$ 211
16.	1	Manual transmission. DEDUCT...	\$ (4,309)
17.	1	Horizontal exhaust in lieu of vertical. DEDUCT...	\$ (308)
18.	1	Heated mirrors. ADD...	\$ 113
19.	1	Power windows and locks. ADD...	\$ 219
20.	1	Bench seat. DEDUCT...	\$ (77)
21.	1	Air Ride Driver seat, with arm rest. ADD...	\$ 259
22.	1	Single man air ride passenger seat, high back in lieu of 2 man bench. ADD...	\$ 341
23.	1	Delete A/C. DEDUCT...	\$ (472)
24.	1	Standard exterior color other than white. ADD...	\$ 240
25.	1	Custom exterior color other than white. ADD...	\$ 981
26.	1	Exterior grab handle, each. ADD...	\$ 59
27.	1	200 amp (or equivalent) alternator upgrade. ADD...	\$ 374
28.	1	270 amp (or equivalent) alternator upgrade. ADD...	\$ 696
29.	1	Tractor trailer towing package with rear glad hands. ADD...	\$ 670
30.	1	Front frame rail extension (delete front bumper). ADD...	\$ 1,938
31.	1	Two way radio wiring effects. ADD...	\$ 76

OH STS Freightliner M2 33k-37k GWVR Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
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March 1, 2013

OH STS Contract #7751501908
International DuraStar 4300 (25,999GVWR) 4x2 Chassis

NOTE: Chassis' are not for individual sale – all chassis orders must be in conjunction with unit/body order.

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>CHASSIS</u>	
1.	1	2013 (or newer) 4300 4x2 cab and chassis 91"CA (vertical exhaust, 84" usable) 10,000-lb. FAWR 19,000-lb. RAWR 25,999-lb. GVWR Transmission: Allison 3000RDS, 5 speed automatic transmission, close ratio MaxxForce 7 Engine: 230 HP / 620 ft-lbs Vertical exhaust Fuel tank, 50 gallon, mounted under cab Exterior Color: 9219 winter white Front axle: 12,000 lb. I-beam type Rear axle: 19,000 lb, single reduction. Front suspension: spring parabolic, taper leaf. Rear suspension: 19,000 lb. Conventional steel cab Fiberglass tilting front end Front tires- (2) G149 or equivalent Rear tires- (4) G177 or equivalent Dual air brake system Manual reset circuit breakers with trip indicators Remote engine throttle control Front and rear automatic slack adjusters Air dryer with heater Air compressor- 13.2 CFM Auto moisture ejectors Tilting steering column 12-volt electrical system	

OH STS International 4300 (25,999GVWR) Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Intermittent windshield wipers	
		Cigar lighter	
		140 amp alternator	
		Battery system- Total of 3 with 1950CCA	
		AM/FM radio	
		Air horn	
		Cruise Control	
		Halogen headlights	
		Engine block heater	
		Driver seat, fixed, high back with integral headrest	
		Two-man high back passenger seat, integrated headrest in both occupant positions	
		Break-away mirrors, West coast style with convex spots	
		Air conditioner with heater and defroster	
		Deluxe trim	
		LIST PRICE	\$ 72,146.00
		STATE DISCOUNT	\$ 1,503.00
		STATE PRICE	\$ 70,643.00

OPTIONS

1.	1	102"CA in lieu of 84"CA.	N/C
2.	1	108"CA in lieu of 84'CA.	N/C
3.	1	120"CA in lieu of 84"CA, ADD...	N/C
4.	1	25,999lb GVWR (12,000lb FA and 19,000lb RA), ADD...	\$ 331
5.	1	Extended cab (26") with rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 3,161
6.	1	Extended cab (26") without rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 2,786
7.	1	Crew cab with rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 7,576

OH STS International 4300 (25,999GVWR) Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
8.	1	Crew cab <i>without</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 7,201
9.	1	Manual transmission, DEDUCT...	\$ (5,152)
10.	1	Horizontal exhaust in lieu of vertical (102"CA or 169"WB and up). DEDUCT...	\$ (317)
11.	1	Heated mirrors, ADD...	\$ 68
12.	1	Power windows, ADD...	\$ 303
13.	1	Air Ride Driver seat, with arm rest, ADD...	\$ 195
14.	1	Single man air ride passenger seat, high back in lieu of 2 man bench. (Requires Air Ride Driver Seat) ADD...	\$ 269
15.	1	Delete A/C, DEDUCT...	\$ (543)
16.	1	Standard exterior color other than white.	N/C
17.	1	Custom exterior color other than white, ADD...	\$ 375
18.	1	Auxiliary power point in dash. ADD...	\$ 35
19.	1	Exterior grab handle, chrome. On driver and passenger side of cab. ADD...	\$ 106
20.	1	190 amp (or equivalent) alternator upgrade, ADD...	\$ 260
21.	1	270 amp (or equivalent) alternator upgrade, ADD...	\$ 826
22.	1	Tractor trailer towing package, ADD...	\$ 326
23.	1	Front frame rail extension (delete front bumper) ADD...	\$ 241
24.	1	Two way radio wiring effects, ADD...	\$ 44



March 1, 2013

OH STS Contract #7751501908
International DuraStar 4300 (33k-37k GVWR) 4x2 Chassis

NOTE: Chassis' are not for individual sale – all chassis orders must be in conjunction with unit/body order.

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>CHASSIS</u>	
1.	1	2013 (or newer) 4300 4x2 cab and chassis 91"CA (84" usable with vertical exhaust) 12,000-lb. FAWR 21,000-lb. RAWR 33,000-lb. GVWR Transmission: Allison 3500RDS, 5 speed automatic transmission MaxxForce 7 Engine: 245 HP / 620 lb-ft Vertical exhaust Fuel tank, 50 gallon, mounted under cab Exterior Color: 9219 winter white Front axle: 12,000 lb. I-beam type Rear axle: 21,000 lb, single reduction Front suspension: 12,000lb spring parabolic, taper leaf. Rear suspension: 23,500 lb. with 4500 auxiliary springs Conventional steel cab Fiberglass tilting front end Front tires- (2) G149 or equivalent Rear tires- (4) G177 or equivalent Dual air brake system Manual reset circuit breakers with trip indicators Remote engine throttle control Front and rear automatic slack adjusters Air dryer with heater Air compressor- 13.2 CFM Auto moisture ejectors Tilting steering column 12-volt electrical system	

OH STS International 4300 (33k-37k GVWR) Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Intermittent windshield wipers	
		Cigar lighter	
		140 amp alternator	
		Battery system- Total of 3 with 1950CCA	
		AM/FM radio	
		Air horn	
		Cruise Control	
		Halogen headlights	
		Engine block heater	
		Driver seat, fixed, high back with integral headrest	
		Two-man high back passenger seat, integrated headrest in both occupant positions	
		Break-away mirrors, West coast style with convex spots	
		Air conditioner with heater and defroster	
		Deluxe trim	
		LIST PRICE	\$ 73,071.00
		STATE DISCOUNT	\$ 1,523.00
		STATE PRICE	\$ 71,548.00

OPTIONS

1.	1	102"CA in lieu of 84"CA, vertical exhaust.	N/C
2.	1	102"CA in lieu of 84"CA, includes change to horizontal exhaust. DEDUCT...	\$ (317)
3.	1	108"CA in lieu of 84"CA, vertical exhaust	N/C
4.	1	108"CA in lieu of 84"CA, includes change to horizontal exhaust. DEDUCT...	\$ (317)
5.	1	120"CA in lieu of 84'CA, vertical exhaust.	N/C
6.	1	120"CA in lieu of 84"CA, includes change to horizontal exhaust. DEDUCT...	\$ (317)
7.	1	138"CA in lieu of 84'CA, vertical exhaust.	\$ 219

OH STS International 4300 (33k-37k GVWR) Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
8.	1	138"CA in lieu of 84"CA, includes change to horizontal exhaust. DEDUCT...	\$ (155)
9.	1	33,000lb GVWR (13,000lb FA and 20,000lb RA), includes horizontal exhaust on 102"CA and up. ADD...	\$ 831
10.	1	33,000lb GVWR (14,000lb FA and 19,000lb RA), includes horizontal exhaust on 102"CA and up. ADD...	\$ 1,313
11.	1	35,000lb GVWR (14,000lb FA and 21,000lb RA) includes horizontal exhaust on 102"CA and up. ADD...	\$ 1,560
12.	1	35,000lb GVWR (12,000lb FA and 23,000lb RA) includes horizontal exhaust on 102"CA and up. ADD...	\$ 546
13.	1	37,000lb GVWR (14,000lb FA and 23,000lb RA) includes horizontal exhaust on 102"CA and up. ADD...	\$ 1,983
14.	1	Driver controlled locking differential (20,000lb rear axle and up). ADD...	\$ 1,219
15.	1	Extended cab (26") <i>with</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 3,161
16.	1	Extended cab (26") <i>without</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 2,786
17.	1	Crew cab <i>with</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 7,576
18.	1	Crew cab <i>without</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 7,201
19.	1	6 Speed manual transmission. DEDUCT...	\$ (5,331)
20.	1	Heated mirrors. ADD...	\$ 124
21.	1	Power windows. ADD...	\$ 114
22.	1	Air Ride Driver seat, with arm rest. ADD...	\$ 199

OH STS International 4300 (33k-37k GVWR) Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
23.	1	Single man air ride passenger seat, high back in lieu of 2 man bench. Air Ride Driver Seat required. ADD...	\$ 269
24.	1	Delete A/C. DEDUCT...	\$ (543)
25.	1	Standard exterior color other than white	N/C
26.	1	Custom exterior color other than white. ADD...	\$ 375
27.	1	Auxiliary power point in dash. ADD...	\$ 35
28.	1	Exterior grab handle, chrome. On driver and passenger side of cab. ADD...	\$ 119
29.	1	190 amp (or equivalent) alternator upgrade. ADD...	\$ 260
30.	1	270 amp (or equivalent) alternator upgrade. ADD...	\$ 826
31.	1	Tractor trailer towing package. ADD...	\$ 640
32.	1	Front frame rail extension (delete front bumper). ADD...	\$ 241
33.	1	Two way radio wiring effects. ADD...	\$ 78



March 1, 2013

OH STS Contract #7751501908
International DuraStar 4400 (33k-37k GVWR) 4x2 Chassis

NOTE: Chassis' are not for individual sale – all chassis orders must be in conjunction with unit/body order.

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		<u>CHASSIS</u>	
1.	1	2013 (or newer) 4400 4x2 cab and chassis 91"CA (84" usable, vertical exhaust) 12,000-lb. FAWR 21,000-lb. RAWR 33,000-lb. GVWR Transmission: Allison 3500RDS, 5 speed automatic transmission MaxxForce 7 Engine: 260 HP / 800 ft-lbs Vertical exhaust Fuel tank, 50 gallon, mounted under cab Exterior Color: 9219 winter white Front axle: 12,000 lb. I-beam type Rear axle: 21,000 lb, single reduction Front suspension: 12,000lb spring parabolic, taper leaf. Rear suspension: 23,500 lb. with 4500lb aux springs Conventional steel cab Fiberglass tilting front end Front tires- (2) G149 or equivalent Rear tires- (4) G177 or equivalent Dual air brake system Manual reset circuit breakers with trip indicators Remote engine throttle control Front and rear automatic slack adjusters Air dryer with heater Air compressor- 13.2 CFM Auto moisture ejectors Tilting steering column	

OH STS International 4400 (33k-37k GVWR) Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		12-volt electrical system	
		Intermittent windshield wipers	
		Cigar lighter	
		140 amp alternator	
		Battery system- Total of 3 with 1950CCA	
		AM/FM radio	
		Air horn	
		Cruise Control	
		Halogen headlights	
		Engine block heater	
		Driver seat, fixed, high back with integral headrest	
		Two-man high back passenger seat, integrated headrest in both occupant positions	
		Break-away mirrors, West coast style with convex spots	
		Air conditioner with heater and defroster	
		Deluxe trim	
		LIST PRICE	\$ 75,418.00
		STATE DISCOUNT	\$ 1,572.00
		STATE PRICE	\$ 73,846.00

OPTIONS

1.	1	102"CA in lieu of 84"CA, vertical exhaust	N/C
2.	1	102"CA in lieu of 84"CA, includes change to horizontal exhaust. DEDUCT...	\$ (325)
3.	1	108"CA in lieu of 84"CA, vertical exhaust	N/C
4.	1	108"CA in lieu of 84"CA, includes change to horizontal exhaust. DEDUCT...	\$ (325)
5.	1	120"CA in lieu of 84"CA, vertical exhaust	N/C
6.	1	120"CA in lieu of 84"CA, includes change to horizontal exhaust. DEDUCT...	\$ (325)
7.	1	138"CA in lieu of 84"CA, vertical exhaust	\$ 219

OH STS International 4400 (33k-37k GVWR) Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
8.	1	138"CA in lieu of 84"CA, includes change to horizontal exhaust. DEDUCT...	\$ (160)
9.	1	33,000lb GVWR (14,000lb FA and 19,000lb RA). ADD...	\$ 1,318
10.	1	33,000lb GVWR (13,000lbFA and 20,000lb RA). ADD...	\$ 510
11.	1	35,000lb GVWR (14,000lb FA and 21,000lb RA). ADD...	\$ 1,580
12.	1	35,000lb GVWR (12,000lb FA and 23,000lb RA). ADD...	\$ 523
13.	1	37,000lb GVWR (14,000lb FA and 23,000lb RA). ADD...	\$ 2,008
14.	1	Driver controlled locking differential (20,000lb rear axle and up). ADD...	\$ 1,219
15.	1	Extended cab (26") <i>with</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 3,161
16.	1	Extended cab (26") <i>without</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 2,786
17.	1	Crew cab <i>with</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 7,576
18.	1	Crew cab <i>without</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat, 197"WB for 84"C usable CA) ADD...	\$ 7,201
19.	1	MaxxFforce 285HP in lieu of 260HP. ADD...	\$ 595
20.	1	Allison 3500RDS, 6 speed automatic transmission.	N/C
21.	1	6 speed manual transmission. DEDUCT...	\$ (4,316)
22.	1	Heated mirrors. ADD...	\$ 124
23.	1	Power windows. ADD...	\$ 364
24.	1	Air Ride Driver seat, with arm rest. ADD...	\$ 199

OH STS International 4400 (33k-37k GVWR) Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
25.	1	Single man air ride passenger seat, high back in lieu of 2 man bench. Requires Air Ride Driver seat. ADD...	\$ 285
26.	1	Delete A/C. DEDUCT...	\$ (556)
27.	1	Standard exterior color other than white.	N/C
28.	1	Custom exterior color other than white. ADD...	\$ 375
29.	1	Auxiliary power point in dash. ADD...	\$ 35
30.	1	Exterior grab handle, chrome. On driver and passenger side of cab. ADD...	\$ 119
31.	1	180 amp (or equivalent) alternator upgrade. ADD...	\$ 265
32.	1	270 amp (or equivalent) alternator upgrade. ADD...	\$ 846
33.	1	Tractor trailer towing package. ADD...	\$ 640
34.	1	Front frame rail extension (delete front bumper). ADD...	\$ 370
35.	1	Two way radio wiring effects. ADD...	\$ 161



March 1, 2013

OH STS Contract #7751501908
International WorkStar 7400 4x4 Chassis

NOTE: Chassis' are not for individual sale – all chassis orders must be in conjunction with unit/body order.

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
<u>CHASSIS</u>			
1.	1	2013 (or newer) 7400 4x4 cab and chassis 120"CA 12,000-lb. FAWR 21,000-lb. RAWR 33,000-lb. GVWR Transmission: Allison 3500RDS, 5 speed automatic transmission MaxxForce Engine: 230HP / 620 ft-lbs Vertical exhaust (ONLY) Fuel tank, 50 gallon, mounted under cab Exterior Color: 9219 winter white Front axle: 12,000 lb. I-beam type Rear axle: 21,000 lb, single reduction Front suspension: 12,000 spring parabolic, taper leaf. Rear suspension: 23,500 lb. Conventional steel cab Fiberglass tilting front end Front tires- (2) G149 or equivalent Rear tires- (4) G177 or equivalent Dual air brake system Manual reset circuit breakers with trip indicators Remote engine throttle control Electric brake controller provision Front and rear automatic slack adjusters Air dryer with heater Air compressor- 13.2 CFM Auto moisture ejectors	

OH STS International 7400 4x4 Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Tilting steering column	
		12-volt electrical system	
		Intermittent windshield wipers	
		Cigar lighter	
		140 amp alternator	
		Battery system- Total of 3 with 1950CCA	
		AM/FM radio	
		Air horn	
		Cruise Control	
		Halogen headlights	
		Engine block heater	
		Driver seat, fixed, high back with integral headrest	
		Two-man high back passenger seat, integrated headrest in both occupant positions	
		Break-away mirrors, West coast style with convex spots	
		Air conditioner with heater and defroster	
		Deluxe trim	
		LIST PRICE	\$ 87,185.00
		STATE DISCOUNT	\$ 1,817.00
		STATE PRICE	\$ 85,368.00

OPTIONS

1.	1	138"CA in lieu of 120"CA. ADD...	\$ 431
2.	1	35,000lb GVWR (14,000lb FA and 21,000lb RA). ADD...	\$ 2,665
3.	1	35,000lb GVWR (12,000lb FA and 23,000lb RA). ADD...	\$ 645
4.	1	37,000lb GVWR (14,000lb FA and 23,000lb RA). ADD...	\$ 3,106
5.	1	39,000lb GVWR (16,000lb FA and 23,000lb RA). ADD...	\$ 5,249
6.	1	Driver controlled locking differential (21k RA only). ADD...	\$ 823
7.	1	Driver controlled locking differential (23k RA only). ADD...	\$ 1,036

OH STS International 7400 4x4 Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
8.	1	Extended cab (26'') <i>with</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat.) ADD...	\$ 2,666
9.	1	Extended cab (26'') <i>without</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat.) ADD...	\$ 2,541
10.	1	Crew cab <i>with</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat. Recommend horizontal exhaust.) ADD...	\$ 7,735
11.	1	Crew cab <i>without</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat. Recommend horizontal exhaust.) ADD...	\$ 7,485
12.	1	MaxxForce 260HP in lieu of 225HP. ADD...	\$ 5,643
13.	1	Maxx Force 300HP in lieu of 225HP ADD...	\$ 6,669
14.	1	6 speed manual transmission. DEDUCT...	\$ (5,723)
15.	1	Heated mirrors. ADD...	\$ 126
16.	1	Power windows. ADD...	\$ 626
17.	1	Air Ride Driver seat, with arm rest. ADD...	\$ 203
18.	1	Single man air ride passenger seat, high back in lieu of 2 man bench. Requires Air Ride Driver Seat. ADD...	\$ 293
19.	1	Delete A/C. DEDUCT...	\$ (570)
20.	1	Standard exterior color other than white.	N/C
21.	1	Custom exterior color other than white. ADD...	\$ 375
22.	1	Auxiliary power point in dash. ADD...	\$ 35
23.	1	Exterior grab handle, driver side only. ADD...	\$ 119
24.	1	180 amp (or equivalent) alternator upgrade. ADD...	\$ 273

OH STS International 7400 4x4 Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
25.	1	270 amp (or equivalent) alternator upgrade. ADD...	\$ 868
26.	1	Tractor trailer towing package with rear glad hands. ADD...	\$ 603
27.	1	Front frame rail extension (delete front bumper). ADD...	\$ 330
28.	1	Two way radio wiring effects. ADD...	\$ 159



March 1, 2013

OH STS Contract #7751501908
International WorkStar 7400 6x4 Chassis

NOTE: Chassis' are not for individual sale – all chassis orders must be in conjunction with unit/body order.

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
<u>CHASSIS</u>			
1.	1	2013 (or newer) 7400 6x4 cab and chassis- 120"CT 12,000-lb. FAWR 40,000-lb. RAWR 52,000-lb. GVWR Transmission: Allison 3500RDS, 5 speed automatic transmission MaxxForce DT Engine: 230 HP / 620 ft-lbs Vertical exhaust Fuel tank, 50 gallon, mounted under cab Exterior Color: 9219 winter white Front axle: 12,000 lb. I-beam type Rear axle: 40,000 lb Dana Spicer single reduction, Front suspension: 12,000 spring parabolic, taper leaf. Rear suspension: 40,000 lb. Conventional steel cab Fiberglass tilting front end Front tires- (2) G149 or equivalent Rear tires- (4) G177 or equivalent Dual air brake system Manual reset circuit breakers with trip indicators Remote engine throttle control Electric brake controller provision Front and rear automatic slack adjusters Air dryer with heater Air compressor- 13.2 CFM Auto moisture ejectors	

OH STS International 7400 6x4 Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		Tilting steering column	
		12-volt electrical system	
		Intermittent windshield wipers	
		Cigar lighter	
		140 amp alternator	
		Battery system- Total of 3 with 1950CCA	
		AM/FM radio	
		Air horn	
		Cruise Control	
		Halogen headlights	
		Engine block heater	
		Driver seat, fixed, high back with integral headrest	
		Two-man high back passenger seat, integrated headrest in both occupant positions	
		Break-away mirrors, West coast style with convex spots	
		Air conditioner with heater and defroster	
		Deluxe trim	
		LIST PRICE	\$ 84,523.00
		STATE DISCOUNT	\$ 1,761.00
		STATE PRICE	\$ 82,762.00

OPTIONS

1.	1	138"CA in lieu of 120"CA	N/C
2.	1	48,000lb GVWR (14,000lb FA and 34,000lb RA. Note: No rear locking diff available). ADD...	\$ 1,176
3.	1	54,000lb GVWR (14,000lb FA and 40,000lb RA) ADD...	\$ 1,269
4.	1	56,000lb GVWR (16,000lb FA and 40,000lb RA). ADD...	\$ 3,969
5.	1	Driver controlled locking differential (40k rear axle only) ADD...	\$ 1,029
6.	1	Extended cab (26") <i>with</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat.) ADD...	\$ 2,666
7.	1	Extended cab (26") <i>without</i> rear bench seat	\$ 2,541

OH STS International 7400 6x4 Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
		(Minimum requirements are horizontal exhaust, single man passenger seat.) ADD...	
8.	1	Crew cab <i>with</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat. Recommend horizontal exhaust.) ADD...	\$ 7,735
9.	1	Crew cab <i>without</i> rear bench seat (Minimum requirements are horizontal exhaust, single man passenger seat. Recommend horizontal exhaust.) ADD...	\$ 7,485
10.	1	MaxxForte 260HP in lieu of 230HP. ADD...	\$ 1,279
11.	1	MaxxForte 300HP in lieu of 230HP. ADD...	\$ 2,261
12.	1	10 speed manual transmission. DEDUCT...	\$ (5,122)
13.	1	Horizontal exhaust in lieu of vertical. DEDUCT...	\$ 101
14.	1	Heated mirrors. ADD...	\$ 126
15.	1	Power windows. ADD...	\$ 319
16.	1	Air Ride Driver seat, with arm rest. ADD...	\$ 319
17.	1	Single man air ride passenger seat, high back in lieu of 2 man bench. (Requires Air Ride Driver Seat). ADD...	\$ 293
18.	1	Delete A/C. DEDUCT...	\$ (570)
19.	1	Standard exterior color other than white. ADD...	N/C
20.	1	Custom exterior color other than white. ADD...	\$ 375
21.	1	Auxiliary power point in dash. ADD...	\$ 35
22.	1	Exterior grab handle, driver side only. ADD...	\$ 118
23.	1	180 amp (or equivalent) alternator upgrade. ADD...	\$ 273
24.	1	270 amp (or equivalent) alternator upgrade. ADD...	\$ 868
25.	1	Tractor trailer towing package. ADD...	\$ 603

OH STS International 7400 6x4 Chassis

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Price</u>
26.	1	Front frame rail extension (delete front bumper). ADD...	\$ 330
27.	1	Two way radio wiring effects. ADD...	\$ 159