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Summary

Aerial Unit	Retail Price	Discount	State Price
30' / 35' / 37' Telescopic Articulated Aerial Unit	57,512.00	-(2,876.00)	54,636.00
40' Telescopic Articulated Aerial Unit	76,763.00	-(3,839.00)	72,924.00
45' Telescopic Articulated Aerial Unit	103,072.00	-(5,154.00)	97,918.00
50' / 55' / 60' Telescopic Articulated Aerial Unit	107,963.00	-(5,399.00)	102,563.00
50' / 55' / 60' Non-Insulated Telescopic Articulated Aerial Unit	107,963.00	-(5,399.00)	102,563.00
50' / 55' / 60' Articulated Aerial Unit	107,220.00	-(5,361.00)	101,859.00
50' / 55' / 60' Articulated Over-Center Material Handler Aerial Unit	123,149.00	-(6,158.00)	116,991.00
100' Articulated Aerial Unit	305,820.00	-(16,096.00)	289,724.00
60' Articulated Aerial Unit (City of Cleveland)	172,802.00	-(10,800.00)	162,002.00
60' Telescopic Articulated Aerial Unit (City of Cleveland)	159,459.00	-(9,966.00)	149,493.00
60'/70' Tree Care Articulated Aerial Unit	83,438.00	-(4,172.00)	79,266.00

Digger Derrick Unit	Retail Price	Discount	State Price
45' / 47' Standard Duty Derrick	123,415.00	-(6,170.00)	117,245.00
50' / 60' Heavy Duty Derrick	157,197.00	-(7,860.00)	149,337.00
37' Backyard Derrick	140,500.00	-(2,500.00)	138,000.00
12' Pressure Digger	325,000.00	-(1,000.00)	324,000.00
50' Digger Derrick (City of Cleveland)	271,002.00	-(11,546.00)	259,456.00

Chassis Options	Retail Price	Discount	State Price
Freightliner Single Axle	68,559.00	-(699.00)	67,860.00
Freightliner Tandem Axle	82,804.00	-(844.00)	81,960.00
International Single Axle, 4x2 Drive	68,862.00	-(702.00)	68,160.00



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International Single Axle, 4x4 Drive	86,103.00	-(878.00)	85,225.00
International Tandem Axle	86,593.00	-(883.00)	85,710.00
Kenworth Single Axle	68,577.00	-(699.00)	67,878.00
Kenworth Tandem Axle	84,623.00	-(863.00)	83,760.00
Ford Single Axle F-550	40,417.00	-(412.00)	40,005.00
Dodge Single Axle Ram 5500	41,020.00	-(418.00)	40,602.00
Freightliner Single Axle 4x2 (City of Cleveland Spec)	87,655.00	-(894.00)	86,761.00

30' / 35' / 37' Telescopic Articulated Aerial Unit AT37G Aerial Device



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Unit</u>		
1.	<p>ALTEC Model AT37G telescoping/articulating continuous rotation aerial device with an insulating articulating arm, insulating telescopic upper boom, and the patented ISO-Grip insulating system at the boom tip. Includes the following features:</p> <ul style="list-style-type: none"> A. Ground to bottom of platform height: 37.8 feet B. Working height: 42.8 feet C. Maximum reach to edge of platform. Side Mounted Platform: 26.6 feet. End Mounted Platform: 28.3 feet (at 14.4 foot platform height). D. Telescopic boom extension: 9 feet 8 inches E. Continuous rotation F. Insulating Aerial Device, ANSI Category C, 46kV and Below G. Articulating Arm: Articulation is from -7 to 90 degrees. Insulator provides 12 inches of isolation. H. Compensation System: By raising the articulating arm only, the telescopic boom maintains its relative angle in relation to the ground. The work position is achieved through a single function operation. I. Telescoping upper boom: Articulation is from -25 to 75 degrees. J. Master/ Slave Leveling: Platform automatically maintains level during boom articulation through a lifetime master/slave hydraulic leveling system that requires no major preventive maintenance. K. The INSULATING UPPER CONTROL SYSTEM includes a single handle controller incorporating high electrical resistance components that is dielectrically tested to 40 kV AC with no more than 400 microampers of leakage. The control handle is green in color to differentiate it from other non-tested controllers. 	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<ul style="list-style-type: none"> L. One set of tool outlets at the platform providing up to 5 gpm of flow for open center tools M. Hydraulic System: Open center system operating at 5gpm and 2,400 psi. N. Unit is painted with a powder coat paint process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. O. Structural Warranty all of the following applicable 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. P. Manuals: Two (2) operator and Maintenance/Parts manuals 	
2.	AT37G Unit Model	1
3.	Post style pedestal mounting	1
4.	Poly Reservoir, Pedestal Mounted, 7 Gallon; Includes Sight Gauge.	1
5.	Single, One (1) Man, Fiberglass Platform; End Mounted with 180 degree rotator. 24 x 30 x 42 inches, includes hydraulic tilt.	1
6.	Two (2) Platform Steps	1
7.	Platform Capacity, 400LBS.	1
8.	Altec Patented ISO-Grip Insulating 4 Function, Proportional Speed, Upper Control Handle - with safety interlock and interlock guard. Forward/back operates upper boom in/out, tiller operates rotation CW/CCW, up/down operates upper boom up/down, and twist operates lower arm up/down. Platform leveling is controlled with a separate interlocked control handle.	1
9.	Engine Start/Stop & Secondary Stowage System: 12 VDC powered motor and pump assembly for temporary operation of the unit in a situation where in the primary hydraulic source fails. Electric motor is powered by the chassis battery. This feature allows the operator to completely stow the booms and platform. Secondary Stowage & Start/Stop is activated with an air plunger at the platform and switch at the lower control station.	1
10.	Manual lowering valve located at the boomtip. For use in emergency situations to allow the operator to lower the boom to the ground	1
11.	Powder coat unit Altec White.	1
<u>Unit & Hydraulic Acc.</u>		
12.	HVI-22 Hydraulic Oil (Standard).	9
13.	Standard Pump For PTO	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
14.	Hot shift PTO for automatic transmission	1

Body

15.	108 Inch Universal Small Aerial Body for a 60 Inch CA Chassis with 38 Inch Long Side Access Tailshelf to Meet the Following Specifications:	1
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- A. Basic body fabricated from A40 grade 100% zinc alloy coated steel
- B. All doors are full, double paneled, self-sealed with built-in drainage.
- C. Electro-zinc plated, steel hinge rods extend full length of door.
- D. Door hinges are zinc alloy material attached with rivets
- E. All doors contain stainless steel, flush mounted, paddle activated rotary style latches with two-stage locking, including keyed locks and adjustable strikers.
- F. Heavy-gauge welded steel frame construction with smooth galvaneal floor.
- G. All edges are either rolled or folded for strength and safety
- H. Door header drip rail at top for maximum weather protection.
- I. Neoprene or rolled fenders on wheel fender panels.
- J. Steel treated for improved primer bond and rust resistance.
- K. Automotive underseal applied to body.
- L. Automotive type non-porous door seals fastened to the door facing.
- M. 108 Inch Body Length
- N. 40 Inch Body Height (Standard)
- O. 94 Inch Body Width (Standard)
- P. 20 Inch Body Compartment Depth (Standard)
- Q. Body Color - White (Standard)
- R. Finish Paint Body At Body Manufacturer (Standard)
- S. 8 Inch Body Cross-members (Standard)
- T. No Treadplate On Compartment Tops
- U. 6 Inch tall wood tailboard installed at the rear of body cargo area
- V. No Compartment Lighting Supplied by the Body Manufacturer
- W. Stainless Steel Rotary Paddle Latch With Lock (Standard)
- X. Master Body Locking System (Standard)
- Y. No Chock Holders In Line Body Fender Panel Required (Standard)
- Z. Gas Shock Type Rigid Door Holders For Vertical Doors (Standard)
- AA. Chains On Horizontal Doors
- AB. Hotstick shelf extending full length of body on curbside.
- AC. Drop-Down Hot Stick Door For One (1) Shelf (Right Side)
- AD. Two (2) Hot Stick Brackets
- AE. 1st Vertical Street Side (LH) - Two (2) Adjustable Shelf With Removable Dividers On 4 Inch Centers



<u>Item</u>	<u>Description</u>	<u>Qty</u>
AF.	1st Horizontal Street Side (LH) - One (1) Fixed Shelf With Removable Dividers On 8 Inch Centers	
AG.	Rear Vertical Street Side (LH) - Six (6) Adjustable Locking Swivel Hooks	
AH.	1st Vertical Curb Side (RH) - Seven (7) Adjustable Locking Swivel Hooks, Louvered Panel Installed in Cargo Wall	
AI.	1st Horizontal Curb Side (RH) - Vacant	
AJ.	Rear Vertical Curb Side (RH) - Two (2) Adjustable Shelf With Removable Dividers On 4 Centers	
AK.	Aluminum Rock Guards Installed at Bottom	
AL.	38" Tailshelf with Integrated Side Access Steps, Two Wheel Chock Holders, and Smooth Galvaneal Floor Installed at Rear of Body	

Body and Chassis Accessories

16.	ICC Underride Protection	1
17.	Combination 2 Ball (10,000 LB MGTW) And Pintle Hitch (16,000 LB MGTW)	1
18.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
19.	Front Torsion Bar Installed On Chassis	1
20.	Rear Torsion Bar Installed On Chassis	1
21.	Install Counterweight As Needed	1
22.	Platform Rest, Rigid with Rubber Tube	1
23.	Boom Rest for a Telescopic Unit	1
24.	Mud Flaps With Altec Logo (Pair)	1
25.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
26.	Small Grab Handle Installed At Rear	1
27.	Slope Indicator Assembly For Machine Without Outriggers	1
28.	5 LB Fire Extinguisher With Light Duty Bracket, Installed Per DEPS 042 (In Cab or Inside Compartment Only)	1
29.	Triangular Reflector Kit, Installed	1
30.	Soft Vinyl Lanyard Pouch	1

40' Telescopic Articulated Aerial Unit AT40P Aerial Device



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	Altec Model AT40P Articulating Telescopic Aerial Device with a fiberglass upper boom and fiberglass insulator in the articulating arm and a proportional joystick upper control and toggle switches. Built in accordance to ALTEC's standard specifications and to include the following features: <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 39.4 ft at 10.0 ft from centerline of rotation (12 m at 3 m) B. Working Height: 44.4 ft (13.5 m) C. Maximum reach to edge of platform: 29.6 ft at 16.3 ft platform height (9 m at 5 m) D. Rotation: Continuous 	1
2.	Pedestal	1
3.	Steel Reservoir, 15 gallon capacity, triangular, 17" L x 17" W x 24" H, and includes breather caps and dipsticks	1
4.	Sight and Temperature gauge for hydraulic reservoir	1
5.	Single 1-Man Platform, Fiberglass, 24" x 30" x 42", End Mount, 180 Degree Rotation, Platform-Mounted Single Handle Controls, No Jib	1
6.	Two(2) Platform steps - located on the side of the platform nearest the elbow in the stowed position	1
7.	Hydraulic Tool Circuit at Platform: One set of quick disconnect couplings at the boom tip for	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	open center tools. Tool system relief pressure set at 2,250 psi.	
8.	Engine Start/Stop & Secondary Stowage System: 12 VDC powered motor and pump assembly for temporary operation of the unit in a situation wherein the primary hydraulic source fails. Electric motor is powered by the chassis battery. This feature allows the operator to completely stow the booms, platform, and outriggers. Secondary Stowage & Start/Stop is activated with an air plunger at the platform or momentary switch at the lower control station and outriggers.	1
9.	Slip Ring: Required for engine start/stop, secondary stowage system, and throttle control options	1
10.	Primary Modified A-Frame Outriggers With Integrated Subbase, fixed shoe, provides 112 inch (2844 mm) maximum spread. Includes motion alarm and outrigger interlocks, which will not allow the unit to be operated until the outriggers have been deployed. For installation on a 30 to 34 inch chassis frame height.	1
11.	Electric Outrigger Controls: drive hydraulic outrigger control valves. Durable weather proof electronic switches are located at the rear of the unit unless otherwise specified. Use of electronic switches reduces the number of hydraulic hoses and leak points.	1
12.	Altec Aerial Device Powder Painted White	1

Unit & Hydraulic Acc.

13.	HVI-22 Hydraulic Oil (Standard).	25
14.	Standard Pump For PTO	1
15.	Hot shift PTO for automatic transmission	1
16.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1

Body

17.	Altec LGSS-132-84 (81) Low-Side General Service Body With Step:	1
	A. Steel Body	
	B. 8" Steel Structural Channel Crossmembers	
	C. 132" Body Length	



<u>Item</u>	<u>Description</u>	<u>Qty</u>
D.	94" Body Width	
E.	40" Body Compartment Height	
F.	20" Body Compartment Depth	
G.	24" From Body Floor To Compartment Tops	
H.	Finish Paint Entire Body Altec White	
I.	Undercoat Applied Under The Body	
J.	5.5" Drop-In Wood Cargo Retaining Board At Rear Of Body	
K.	5.5" Drop-In Wood Cargo Retaining Board At Top Of Side Access Step	
L.	Stainless Steel Rotary paddle Latches With Locks	
M.	Gas Props On All Vertical Doors	
N.	Chains On All Horizontal Doors	
O.	Standard Master Body Locking System	
P.	Hotstick Shelf Extending Full Length Of Body On Streetside	
Q.	Two (2) Hotstick Brackets On Streetside	
R.	1st Vertical (SS) - 34" W - One (1) Outrigger Housing And Two (2) Adjustable Shelves With Removable Dividers On 4 Inch Centers	
S.	2nd Vertical (SS) - 24" W - Two (2) Adjustable Shelves With Removable Dividers On 4 Inch Centers	
T.	1st Horizontal (SS) - 50" W - One (1) Fixed Shelf With Removable Dividers On 4 Inch Centers On Bottom of Compartment	
U.	Rear Vertical (SS) - 24" W - Six (6) Locking Swivel Hooks On An Adjustable Rail (1-4-1)	
V.	1st Vertical (CS) - 34" W - One (1) Outrigger Housing And Two (2) Adjustable Shelves With Removable Dividers On 4 Inch Centers	
W.	2nd Vertical (CS) - 24" W - Gripstrut Access Steps With Two (2) Sloped Grab Handles	
X.	1st Horizontal (CS) - 50" W - One (1) Adjustable Shelf With Removable Dividers On 4 Inch Centers And One (1) Fixed Shelf With Removable Dividers On 4 Inch Centers On Bottom Of Compartment	
Y.	Rear Vertical (CS) - 24" W - Six (6) Locking Swivel Hooks On An Adjustable Rail (1-4-1)	
Z.	Body Floor Cut-Out For AT36/40 M/P/S Aerial Device At Front Of Body, 28" L x 54" W	
AA.	Steel Tailshelf, 29" L x 94" W, With Wheel Chock Holders Installed On Each Side	
AB.	Rigid Step Mounted Beneath Side Access Steps (Installed To Extend Approx. 2" Outward)	

Body and Chassis Accessories

18.	ICC (Underride Protection) Bumper Installed At Rear	1
19.	T-60 Style Pintle Hitch (10,000 LB MGTW with 2,000 LB MVL)	1
20.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
21.	Platform Rest, Rigid with Rubber Tube	1
22.	Boom Rest for a Telescopic Unit	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
23.	Plastic Outrigger Pad, 18" x 18" x 1", Black With Handle	2
24.	Outrigger Pad Holder, 20" L x 20" W x 3" H, Fits 19.5" x 19.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	2
25.	Pendulum Retainers For Outrigger Pad Holders	2
26.	Mud Flaps With Altec Logo (Pair)	1
27.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
28.	Slope Indicator Assembly For Machine With Outriggers	1
29.	5 LB Fire Extinguisher With Light Duty Bracket, Shipped Loose	1
30.	Triangular Reflector Kit, Installed	1
31.	Vinyl manual pouch for storage of all operator and parts manuals	1

Electrical Accessories

32.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
33.	Altec Standard Amber LED Strobe Light with Brush Guard	1
34.	Dual Tone Back-Up With Outrigger Motion Alarm	1
35.	6-Way Trailer Receptacle (Pin Type) Installed At Rear	1
36.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
37.	Dash panel rocker switches supplied with Ford Chassis, 4 auxiliary switches supplied in up fitting package from Ford	1
38.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1
39.	Install secondary stowage system.	1
40.	Install Remote Start/Stop system in Final Assembly.	1
41.	Install Outrigger Interlock System	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
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42.	PTO Indicator Light Installed In Cab	1
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Finishing Details

43.	Non-Focus Factory Build	1
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44.	Delivery Of Completed Unit	1
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45.	Inbound Freight	1
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46.	Powder Coat Unit Altec White	1
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47.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
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48.	Apply Non-Skid Coating to all walking surfaces	1
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49.	English Safety And Instructional Decals	1
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50.	Vehicle Height Placard - Installed In Cab	1
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51.	Dielectric test unit according to ANSI requirements.	1
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52.	Stability test unit according to ANSI requirements.	1
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53.	Placard, HVI-22 Hydraulic Oil	1
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54.	Installation - AT40P	1
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Warranty

55.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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AT40P Standard Retail Price	\$76,763.00
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Ohio STS Discount	<table border="0"> <tr> <td style="border-bottom: 1px solid black; width: 80%;"></td> <td style="text-align: right;">-(\$3,839.00)</td> </tr> </table>		-(\$3,839.00)
	-(\$3,839.00)		

AT40P Ohio STS Price	\$72,924.00
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Description	Add or Deduct	Price
Material Handling Aerial Device With Arm Jib	Add	\$6,408.00
24" x 30" x 42" Platform With Hydraulically Extendible Jib	Add	\$6,808.00
36' Unit, 24" x 48" x 42" Platform With Arm Jib	Deduct	-\$4,506.00
24" x 38" x 42" Platform	Add	\$534.00
Non Insulated Unit With 60" x 36" x 45" Platform, End Mount, 180 Degree, No Jib	Add	\$2,556.00
Non Insulated Unit With 60" x 36" x 45" Platform, End Mount, 180 Degree, ARM Jib	Add	8,802.00
Toe Space On Platform	Add	\$866.00
Auxiliary Outriggers, 87" Spread, Fixed Shoe	Add	\$3,110.00
84" Altec Fiberglass Body With Aluminum Treadplate	Add	\$3,027.00
Remove Side Access And Add Vacant Vertical Compartment	Add	-\$241.00
Custom Color Above Rotation And Pedestal	Add	\$1,800.00
Custom Color Body And Accessories	Add	\$1,900.00
Rustproof Bottom Of Body	Add	\$800.00
Gatorhyde Protection Paint, Cargo And Tailshelf Area	Add	\$2,400.00

45' Telescopic Articulated Aerial Unit TA45M Aerial Device



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	206-TA45M telescopic articulating aerial device with an insulating lower arm, insulating telescopic upper boom and the Altec ISO-Grip (U.S. Patent No. 7,416,053) system, an upper control system incorporating high resistance components at the boom tip, for installation behind chassis cab, built in accordance to ALTECS standard specifications and to include the following features: <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 44.5 feet at 10.8 feet from centerline of rotation (13.6 m at 3.3 m) B. Working Height 49.5 feet (15.1 m) C. Maximum Reach to Edge of Platform: 30.5 feet at 20.9 foot platform height (9.3 m at 6.4 m) 	1
2.	454 - 54 pedestal height	1
3.	No Platform liner required	1
4.	307 Throttle Control Interface for electronic engines, automatically increases engine speed when needed for proper hydraulic system operation, 2 speed	1
5.	217 Manually 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.	1
6.	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. This option allows the operator to start and stop the operation of the units as well as completely stow the booms and platform in a situation where in the primary hydraulic source fails.	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
7.	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).	1
8.	Powder coat unit Altec White.	1

Unit & Hydraulic Acc.

9.	Swivel Hook For Winch Load Line	1
10.	Reservoir, 15 Gallon, Triangular, Mounted in Cargo Area	1
11.	TA Series Subbase	1
12.	Temperature Sight Gauge	1
13.	HVI-22 Hydraulic Oil (Standard)	20
14.	Standard Pump For PTO	1
15.	Hot shift PTO for automatic transmission	1
16.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1

Body

17.	Altec Body	1
18.	Steel Body	1
19.	Aerial Service Line With Step (ASLS)	1
20.	Body Is To Be Built In Accordance With The Following Altec Standard Specifications:	1
	A. Basic Body Fabricated From A40 Grade 100% Zinc Alloy Coated Steel.	
	B. All Doors Are Full, Double Paneled, Self-Sealed With Built-In Drainage For Maximum Weather-Tightness. Hinge Rods Extend Full Length Of Door.	
	C. Heavy-Gauge Welded Steel Frame Construction With Structural Channel Crossmembers And Tread Plate Floor.	



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	D. Integrated Door Header Drip Rail At Top For Maximum Weather Protection.	
	E. Fender Panels Are Either Roll Formed Or Have Neoprene Fenderettes Mechanically Fastened.	
	F. Steel Treated For Improved Primer Bond And Rust Resistance.	
	G. Automotive Type Non-Porous Door Seals Mechanically Fastened To The Door Facing.	
21.	160" Estimated Body Length (Engineering To Determine Final Length)	1
22.	94 Inch Body Width	1
23.	46 Inch Body Compartment Height	1
24.	18 Inch Body Compartment Depth	1
25.	Finish Paint Body Altec White (Applies To Steel And Aluminum)	1
26.	Undercoat Body	1
27.	2 Inch x 6 Inch Drop-In Composite Retaining Board At Rear Of Body	1
28.	2 Inch x 6 Inch Drop-In Composite Retaining Board At Top Of Side Access	1
29.	Stainless Steel Rotary Paddle Latches With Keyed Locks	9
30.	All Locks Keyed Alike Including Accessories (Preferred Option)	1
31.	Gas Shock (Gas Spring) Rigid Door Holders On All Vertical Doors	1
32.	Chains On All Horizontal Doors	1
33.	Standard Master Body Locking System (Standard Placement Is At Rear. Sidepacks With A Throughshelf/Hotstick Door At Rear, Standard Placement Is At The Front)	9
34.	One Chock Holder On Each Side of Body With Retaining Lip In Fender Panel (Rear Of Wheel Or Opposite Fuel Fill)	1
35.	Hotstick Shelf Extending Full Length Of Body On Streetside	1
36.	Two Hotstick Brackets On Streetside	1
37.	Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel Slam Paddle Latch With Keyed Lock	1
38.	1st Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	2



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
39.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1
40.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3
41.	2nd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1
42.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1
43.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3
44.	3rd Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1
45.	1st Horizontal (SS) - Fixed Shelf With Removable Dividers On 4 Inch Centers	1
46.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1
47.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3
48.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1
49.	1st Vertical (CS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	3
50.	2nd Vertical (CS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	3
51.	3rd Vertical (CS) - Gripstrut Access Steps With Two (2) Sloped Grab Handles	1
52.	1st Horizontal (CS) - Fixed Shelf With Removable Dividers On 4 Inch Centers	1
53.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1
54.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3
55.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1
56.	29" L Steel Tailshelf, Width To Match Body	1

Body and Chassis Accessories

57.	ICC (Underride Protection) Bumper Installed At Rear	1
58.	T-125 Style Pintle Hitch (30,000 LB MGTW with 6,000 LB MVL)	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
59.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
60.	Cable Step Installed At Rear, Double Step with Rigid Top Step	2
61.	Rubber Belted Step Mounted Beneath Side Access Steps (Installed To Extend Approx. 2" Outward)	1
62.	Platform Access Step From Body Floor	1
63.	Boom Rest for a Telescopic Unit	1
64.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4
65.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4
66.	Mud Flaps With Altec Logo (Pair)	1
67.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
68.	U-Shaped Grab Handle	2
69.	Slope Indicator Assembly For Machine With Outriggers	1
70.	Triangular Reflector Kit, Installed	1
71.	5 LB Fire Extinguisher With Light Duty Bracket, Installed Per DEPS 042 (In Cab or Inside Compartment Only)	1
72.	Vinyl manual pouch for storage of all operator and parts manuals	1
<u>Electrical Accessories</u>		
73.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
74.	Altec Standard Amber LED Strobe Light with Brush Guard - Install on streetside boomrest	1
75.	Dual Tone Back-Up With Outrigger Motion Alarm	1
76.	Altec Standard Multi-Point Grounding System	3
77.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
78.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
79.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1
80.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1

Finishing Details

81.	Non-Focus Factory Build	1
82.	Delivery Of Completed Unit	1
83.	Inbound Freight	1
84.	Finish Paint Body Accessories Above Body Floor Altec White	1
85.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
86.	Apply Non-Skid Coating to all walking surfaces	1
87.	English Safety And Instructional Decals	1
88.	Vehicle Height Placard - Installed In Cab	1
89.	Dielectric test unit according to ANSI requirements.	1
90.	Stability test unit according to ANSI requirements.	1
91.	Placard, HVI-22 Hydraulic Oil	1
92.	TA45M FA Installation	1

Warranty

93.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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50' / 55' / 60' Telescopic Articulated Aerial Unit TA50 Aerial Device



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Unit</u>		
1.	Altec Model TA50 Articulating Telescopic Aerial Device with a fiberglass upper boom and fiberglass insulator in the articulating arm and a proportional joystick upper control and toggle switches. Built in accordance to ALTEC's standard specifications and to include the following features:	1
	<ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 49.5 ft at 12.0 ft from centerline of rotation (15.1 m at 3.7 m) B. Working Height: 54.5 ft (16.6 m) C. Maximum reach to edge of platform: 36.2 ft at 19.9 ft platform height (11 m at 6.1 m) D. Continuous Rotation 	
2.	Automatic Upper Boom Stow Securing System with support cradle.	1
3.	288 Pedestal, 44 (1118 mm) inches, Behind Cab Mount	1
4.	Single 1-Man Platform, 24" x 30" x 42" (610 x 762 x 1067 mm), End Mount, 180 Degree Rotation, No Jib	1
5.	No Platform liner required	1
6.	Tool Circuit At Boom Tip, Dual Hydraulic (TA End Mount)	1
7.	Engine Start/Stop & Secondary Stowage System: 12 VDC powered motor and pump assembly for temporary operation of the unit in a situation wherein the primary hydraulic source fails. Electric motor is powered by the chassis battery. This feature allows the operator to completely stow	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	the booms, platform, and outriggers. Secondary Stowage & Start/Stop is activated with an air plunger at the platform or momentary switch at the lower control station and outriggers.	
8.	241 - Outrigger A-Frame with Flat-shoe - provides 149 inch (3785 mm) maximum spread outside to outside of shoe.	1
9.	No Auxiliary Outriggers	1
10.	Electric Over Hydraulic Outrigger Control Valve	1
11.	Altec Aerial Device Powder Painted White	1

Unit & Hydraulic Acc.

12.	Swivel Hook For Winch Load Line	1
13.	Reservoir, 25 Gallon, Sloped, Mounted in Cargo Area	1
	<ul style="list-style-type: none"> A. Internal return filter, 10 micron absolute, fiberglass media. B. Ball valves in suction and return lines. C. Suction strainer. D. Filler/breather cap with dipstick. 	
14.	TA Series Subbase	1
15.	Temperature Sight Gauge .	1
16.	HVI-22 Hydraulic Oil (Standard).	30
17.	Standard Pump For PTO	1
18.	Hot shift PTO for automatic transmission	1
19.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1

Body

20.	160 inch Universal Aerial Body, suitable for installing on any 4x2 chassis with an appropriate CA dimension of 108 inches, built in accordance with the following specifications:	1
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<u>Item</u>	<u>Description</u>	<u>Qty</u>
A.	Basic body fabricated from A40 grade 100% zinc alloy steel.	
B.	All doors are full, double paneled, self-sealed with built-in drainage for maximum weather-tightness. Stainless steel hinge rods extend full length of door.	
C.	All doors are to contain stainless steel flush type, single point, two-stage rotary paddle latches with recessed handles, including keyed locks and strikers. door latches are bolted to the outer door panel.	
D.	Heavy-gauge welded steel frame construction with structural channel crossmembers and tread plate floor.	
E.	All edges are either rolled or folded for strength and safety.	
F.	Integrated door header drip rail at top for maximum weather protection.	
G.	Fender panels are either roll formed or have neoprene fenderettes mechanically fastened.	
H.	Steel treated for improved primer bond and rust resistance.	
I.	Automotive underseal applied to entire underside of body.	
J.	White primer applied to complete interior and exterior of body.	
K.	Automotive type non-porous door seals mechanically fastened to the door facing.	
L.	160 inch overall body length.	
M.	94 inch overall body width.	
N.	46 inch overall body height.	
O.	18 inch body compartment depth.	
P.	Body finish paint color - Altec White.	
Q.	Finish paint body at body manufacturer.	
R.	2 inch x 6 inch drop-in wood cargo retaining board at rear of body.	
S.	2 inch x 6 inch drop-in wood cargo retaining board at side access step.	
T.	Gas shock type rigid door holders for vertical doors.	
U.	Standard master body locking system.	
V.	One (1) wheel chock holder installed in fender panel on each side of body.	
W.	Hotstick shelf extending the full length of body on streetside.	
X.	Two (2) hotstick brackets installed on streetside.	
Y.	Standard size side-hinged hotstick door installed on streetside.	
Z.	1st vertical streetside (LH) - Six (6) locking swivel hooks on adjustable rails. 2-2-2 configuration.	
AA.	2nd vertical streetside (LH) - Six (6) locking swivel hooks on adjustable rails. 2-2-2 configuration.	
AB.	3rd vertical streetside (LH) - Six (6) locking swivel hooks on adjustable rails. 2-2-2 configuration.	
AC.	1st horizontal streetside (LH) - One (1) adjustable shelf with removable dividers on 4 inch centers.	
AD.	Rear vertical streetside (LH) - Two (2) adjustable shelves with removable dividers on 4 inch centers.	
AE.	1st vertical curbside (RH) - Two (2) adjustable shelves with removable dividers on 4 inch centers.	
AF.	2nd vertical curbside (RH) - Gripstrut access steps with two (2) sloped grab handles.	



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
AG.	3rd vertical curbside (RH) - Six (6) locking swivel hooks on adjustable rails. 2-2-2 configuration.	
AH.	1st horizontal curbside (RH) - Two (2) adjustable shelves with removable dividers on 4 inch centers.	
AI.	Rear vertical curbside (RH) - Six (6) locking swivel hooks on adjustable rails. 2-2-2 configuration.	
AJ.	Curbside compartment top access step installed in the cargo area behind side access step.	
AK.	29 inch long x 94 inch wide steel tailshelf, with 3 inch high retainer rail around sides and rear, two (2) U-shaped grab handles, installed at rear of body.	

Body and Chassis Accessories

21.	ICC (Underride Protection) Bumper Installed At Rear	1
22.	T-125 Style Pintle Hitch (30,000 LB MGTW with 6,000 LB MVL)	1
23.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
24.	Cable Step Installed At Rear, Double Step with Rigid Top Step	2
25.	Rubber Belted Step Mounted Beneath Side Access Steps (Installed To Extend Approx. 2" Outward)	1
26.	Platform Access Step From Body Floor	1
27.	Boom Rest for a Telescopic Unit	1
28.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4
29.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4
30.	Mud Flaps With Altec Logo (Pair)	1
31.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
32.	U-Shaped Grab Handle	2
33.	Slope Indicator Assembly For Machine With Outriggers	1
34.	Triangular Reflector Kit, Installed	1
35.	5 LB Fire Extinguisher With Light Duty Bracket, Installed Per DEPS 042 (In Cab or Inside Compartment Only)	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
36.	Vinyl manual pouch for storage of all operator and parts manuals	1
<u>Electrical Accessories</u>		
37.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
38.	Altec Standard Amber LED Strobe Light with Brush Guard - Install on streetside boomrest	1
39.	Altec Standard Multi-Point Grounding System	3
40.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1
41.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
42.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1
43.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1
<u>Finishing Details</u>		
44.	Non-Focus Factory Build	1
45.	Delivery Of Completed Unit	1
46.	Inbound Freight	1
47.	Finish Paint Body Accessories Above Body Floor Altec White	1
48.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
49.	Apply Non-Skid Coating to all walking surfaces	1
50.	English Safety And Instructional Decals	1
51.	Vehicle Height Placard - Installed In Cab	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
52.	Dielectric test unit according to ANSI requirements.	1
53.	Stability test unit according to ANSI requirements.	1
54.	Placard, HVI-22 Hydraulic Oil	1
55.	TA50 FA Installation	1

Warranty

56.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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TA50 Standard Retail Price	\$107,963.00
Ohio STS Discount	-(\$5,399.00)
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TA50 Ohio STS Price	\$102,563.00

Description	Add or Deduct	Price
50' Auxiliary Outriggers, Bolt On Style	Add	\$3,342.00
55' Telescoping Articulating Unit, Includes Aux. Outriggers	Add	\$9,109.00
60' Telescoping Articulating Unit, Includes Aux. Outriggers	Add	\$12,972.00
24" x 30" x 42" Platform With ARM Jib	Add	\$5,017.00
24" x 48" x 42" Platform With No Jib	Add	\$2,759.00
24" x 48" x 42" Platform With ARM Jib	Add	\$6,413.00
24" x 30" x 42" Platform With Side Mounted Jib, 90 degree	Add	\$3,688.00
24" x 48" x 42" Platform With Side Mounted Jib, 90 degree	Add	\$6,412.00
24" platform elevator	Add	\$3,000.00
Altec Fiberglass Body With Aluminum Treadplate	Add	\$9,527.00
Custom Color Above Rotation And Pedestal	Add	\$2,300.00
Custom Color Body And Accessories	Add	\$2,000.00
Rustproof Bottom Of Body	Add	\$1,000.00
Gatorhyde Protection Paint, Cargo And Tailshelf Area	Add	\$2,750.00

50' / 55' / 60' Non-Insulated Telescopic Articulated Aerial Unit
TA50S Aerial Device



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	Altec Model TA50 Articulating Telescopic Aerial Device with a fiberglass upper boom and fiberglass insulator in the articulating arm and a proportional joystick upper control and toggle switches. Built in accordance to ALTEC's standard specifications and to include the following features: <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 49.5 ft at 12.0 ft from centerline of rotation (15.1 m at 3.7 m) B. Working Height: 54.5 ft (16.6 m) C. Maximum reach to edge of platform: 36.2 ft at 19.9 ft platform height (11 m at 6.1 m) 	1
2.	Automatic Upper Boom Stow Securing System with support cradle.	1
3.	290 Pedestal, 48 (1219 mm) inches, Behind Cab Mount	1
4.	Single Two-Man, End Mounted Platform with 180 Degree Rotation, 36" x 60" x 45", Aluminum, Hydraulically Articulating Jib (Altec ARM Jib)	1
5.	No Platform liner required	1
6.	Tool Circuit At Boom Tip, Dual Hydraulic (TA End Mount)	1
7.	Engine Start/Stop & Secondary Stowage System: 12 VDC powered motor and pump assembly for temporary operation of the unit in a situation wherein the primary hydraulic source fails. Electric motor is powered by the chassis battery. This feature allows the operator to completely stow the booms, platform, and outriggers. Secondary Stowage & Start/Stop is activated with an air plunger at the platform or momentary switch at the lower control station and outriggers.	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
8.	241 – Outrigger A-Frame with Flat-shoe – provides 149 inch (3785 mm) maximum spread outside to outside of shoe.	1
9.	Auxillary Outrigger, bolt on for TA50	1
10.	Electric Over Hydraulic Outrigger Control Valve	1
11.	Altec Aerial Device Powder Painted White	1

Unit & Hydraulic Acc.

12.	Swivel Hook For Winch Load Line	1
13.	Reservoir, 25 Gallon, Sloped, Mounted in Cargo Area	1
	A. Internal return filter, 10 micron absolute, fiberglass media.	
	B. Ball valves in suction and return lines.	
	C. Suction strainer.	
	D. Filler/breather cap with dipstick.	
14.	TA Series Subbase	1
15.	Temperature Sight Gauge .	1
16.	HVI-22 Hydraulic Oil (Standard).	30
17.	Standard Pump For PTO	1
18.	Hot shift PTO for automatic transmission	1
19.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1

Body

20.	Altec Body	1
21.	Steel Body	1
22.	Platform/Flatbed	1
23.	160" Estimated Flatbed Length (Engineering To Determine Final Length)	1
24.	1/8" (12 Gauge) Treadplate Floor	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
25.	96" Body Width	1
26.	Finish Paint Body Altec White (Applies To Steel And Aluminum)	1
27.	Finish Paint T-Box/Saddle Box Altec White	1
28.	Undercoat Body	1
29.	Undercoat T-Box/Saddle Box	1
30.	4 High Flatbed (No Cross Storage Available)	1
31.	Gripstrut (Preferred) Recessed Flatbed Curbside (Preferred) Access Steps With One (1) U-Shaped Grab Handles (The Second Grab Handle Will To Be Mounted On Rear Panel Of The T-Box/Saddlebox)	1
32.	Outrigger Cutout Required	1
33.	Unit Cutout Required	1
34.	Light Channels Installed At Rear Of Flatbed	1
35.	Altec T-Box/Saddle Box	1
36.	Steel T-Box/Saddle Box	1
37.	S-24 Saddle Box	1
38.	Standard Doors With Door Post(s). NO Partitions	1
39.	24 Inch Overall Body Length	1
40.	96 Inch Body Width	1
41.	46 Inch Body Compartment Height	1
42.	18 Inch Body Compartment Depth	1
43.	Stainless Steel Rotary Paddle Latches With Keyed Locks	2
44.	All Locks Keyed Alike Including Accessories (Preferred Option)	1
45.	Gas Shock (Gas Spring) Rigid Door Holders On All Vertical Doors	1
46.	No Master Body Locking System Required	1
47.	1 st Vertical (SS) – Locking Swivel Hook(s) On A Fixed Rail (Left Wall)	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
48.	1 st Vertical (SS) – Locking Swivel Hook(s) On A Fixed Rail (Rear Wall)	3
49.	1 st Vertical (SS) – Locking Swivel Hook(s) On A Fixed Rail (Right Wall)	1
50.	1 st Vertical (CS) – Adjustable Shelf With Removable Dividers On 4 Inch Centers	2

Body and Chassis Accessories

51.	ICC (Underride Protection) Bumper Installed At Rear	1
52.	T-125 Style Pintle Hitch (30,000 LB MGTW with 6,000 LB MVL)	1
53.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
54.	Platform Access Step From Body Floor	1
55.	Platform Rest, Rigid with Rubber Tube	1
56.	Boom Rest for a Telescopic Unit	1
57.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4
58.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4
59.	Pendulum Retainers For Outrigger Pad Holders	4
60.	Mud Flaps With Altec Logo (Pair)	1
61.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
62.	Wheel Chock Holders (Pair), For Installation Under Flatbed Or Dump Body	1
63.	Slope Indicator Assembly For Machine With Outriggers	1
64.	Triangular Reflector Kit, Installed	1
65.	5 LB Fire Extinguisher With Light Duty Bracket, Installed Per DEPS 042 (In Cab or Inside Compartment Only)	1
66.	Vinyl manual pouch for storage of all operator and parts manuals	1

Electrical Accessories

67.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
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Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
68.	Altec Standard Amber LED Strobe Light with Brush Guard – Install on streetside of boomrest	1
69.	Dual Tone Back-Up With Outrigger Motion Alarm	1
70.	Altec Standard Multi-Point Grounding System	3
71.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1
72.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
73.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator’s Manual)	1
74.	Altec Modular Panel System (AMPS) – Includes Mounting Panel and Accessory Switches	1
<u>Finishing Details</u>		
75.	Non-Focus Factory Build	1
76.	Delivery Of Completed Unit	1
77.	Inbound Freight	1
78.	Finish Paint Body Accessories Above Body Floor Altec White	1
79.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
80.	Apply Non-Skid Coating to all walking surfaces	1
81.	English Safety And Instructional Decals	1
82.	Vehicle Height Placard – Installed In Cab	1
83.	Dielectric test unit according to ANSI requirements.	1
84.	Stability test unit according to ANSI requirements.	1
85.	Placard, HVI-22 Hydraulic Oil	1
86.	TA50 FA Installation	1
<u>Warranty</u>		
87.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1



Ohio STS Contract

TA50S Standard Retail Price	\$107,963.00
Ohio STS Discount	-\$5,399.00
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TA50S Ohio STS Price	\$102,563.00

Description	Add or Deduct	Price
Custom Color Above Rotation And Pedestal	Add	\$2,300.00
Custom Color Body And Accessories	Add	\$2,000.00
Rustproof Bottom Of Body	Add	\$1,000.00
Gatorhyde Protection Paint, Cargo And Tailshelf Area	Add	\$2,750.00

50' / 55' / 60' Articulated Aerial Unit
AA50 Aerial Device



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	Altec Model AA50 Articulating Non-Overcenter Aerial Device with a fiberglass upper boom and fiberglass insulator in the lower boom and a proportional joystick upper control and toggle switches. Built in accordance to ALTEC's standard specifications and to include the following features: <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 50.1 ft at 9.0 ft from centerline of rotation (15.3 m at 2.7 m) B. Working Height: 55.1 ft (16.8 m) C. Maximum reach to edge of platform: 34.6 ft at 28.5 ft platform height (10.5 m at 8.7 m) D. Rotation: Continuous 	1
2.	375 – Automatic stow system	1
3.	219 – Single two-man end mount 24x48x42	1
6.	315 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.	1
7.	450 – Outrigger A-Frame with fold-up shoe – 153 inch max spread	1
8.	241 – Outrigger A-Frame with Flat-shoe – provides 149 inch (3785 mm) maximum spread outside to outside of shoe.	1
9.	319 – Category C 46 kV and below	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
10.	Powder coat unit Altec White.	1

Unit & Hydraulic Acc.

11.	Unit Installation Components.	1
12.	Reservoir, 30 Gallon, Triangular, Mounted in Cargo Area	1
	A. Internal return filter, 10 micron absolute, fiberglass media	
	B. Ball valves in suction and return lines.	
	C. Magnetic suction strainer.	
	D. Filler/breather cap with dipstick.	
13.	AA/AN 50/55/50E/55E/60/60E AN46-OC/50-OC/55-OC/46E-OC/50E-OC/55E-OC Subbase	1
14.	Temperature Sight Gauge .	1
15.	HVI-22 Hydraulic Oil (Standard).	35
16.	Standard Pump For PTO	1
17.	Hot shift PTO for automatic transmission	1
18.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1

Body

19.	170 inch Large Universal Aerial Body with outrigger housings, suitable for installing on any 4x2 chassis with an appropriate CA dimension of 120 inches, built in accordance with the following specifications:	1
	A. Basic body fabricated from A40 grade 100% zinc alloy steel.	
	B. All doors are full, double paneled, self-sealed with built-in drainage for maximum weather-tightness. Stainless steel hinge rods extend full length of door.	
	C. All doors are to contain stainless steel flush type, single point, two-stage rotary paddle latches with recessed handles, including keyed locks and strikers. Door latches are bolted to the outer door panel.	
	D. Heavy-gauge welded steel frame construction with structural channel crossmembers and tread plate floor.	
	E. All edges are either rolled or folded for strength and safety.	
	F. Integrated door header drip rail at top for maximum weather protection.	
	G. Fender panels are either roll formed or have neoprene fenderettes mechanically fastened.	
	H. Steel treated for improved primer bond and rust resistance.	



<u>Item</u>	<u>Description</u>	<u>Qty</u>
I.	Automotive underseal applied to entire underside of body.	
J.	Automotive type non-porous door seals mechanically fastened to the door facing.	
K.	170 inch overall body length.	
L.	94 inch overall body width.	
M.	46 inch overall body height.	
N.	18 inch body compartment depth.	
O.	Body finish paint color – Altec White.	
P.	Finish paint body at body manufacturer.	
Q.	2 inch x 6 inch drop-in wood cargo retaining board at rear of body.	
R.	2 inch x 6 inch drop-in wood cargo retaining board at top of side access step.	
S.	Gas shock type rigid door holders for vertical doors.	
T.	Standard master body locking system.	
U.	One (1) wheel chock holder installed in fender panel on each side of body.	
V.	Hotstick shelf extending from rear of first vertical to rear of body on streetside.	
W.	Two (2) hotstick brackets installed on street side.	
X.	Large side hinged hotstick door for multiple shelves on streetside.	
Y.	1 st vertical street side (LH) – Three (3) adjustable shelves with removable dividers on 4 inch centers.	
Z.	2 nd vertical street side (LH) – Six (6) locking swivel hooks on adjustable rails. 1-4-1 configuration.	
AA.	3 rd vertical street side (LH) – Six (6) locking swivel hooks on adjustable rails. 1-4-1 configuration.	
AB.	1 st horizontal street side(LH) – One (1) fixed shelf extending through rear vertical.	
AC.	Rear vertical street side (LH) – Outrigger housing.	
AD.	1 st vertical curb side (RH) – Three (3) adjustable shelves with removable dividers on 4 inch centers.	
AE.	2 nd vertical curb side (RH) – Six (6) locking swivel hooks on adjustable rails. 1-4-1 configuration.	
AF.	3 rd vertical curb side (RH) – Gripstrut access steps with two (2) sloped grab handles.	
AG.	1 st horizontal curb side (RH) – Two (2) fixed shelves with removable dividers on 8 inch centers.	
AH.	Rear Vertical curb side (RH) – Outrigger housing.	
AI.	Curbside compartment top access step installed in the cargo area 7 inches behind side access step.	
AJ.	24 inch long x 94 inch wide steel tailshelf with 3 inch high retainer rail around sides and rear, installed at rear of body.	

Body and Chassis Accessories

20.	ICC (Underride Protection) Bumper Installed At Rear	1
21.	T-125 Style Pintle Hitch (30,000 LB MGTW with 6,000 LB MVL)	1
22.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
23.	Cable Step Installed At Rear, Double Step with Rigid Top Step	2
24.	Platform Access Step From Body Floor	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
25.	Single Platform Access, One Step Mounted to Turntable	1
26.	Platform Rest, Rigid with Rubber Tube	1
27.	Lower Boom Rest Weldment	1
28.	Mounting Brackets for Lights, Located on Lower Boom Rest	1
29.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4
30.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4
31.	Mud Flaps With Altec Logo (Pair)	1
32.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
33.	U-Shaped Grab Handle	2
34.	Slope Indicator Assembly For Machine With Outriggers	1
35.	Triangular Reflector Kit, Installed	1
36.	5 LB Fire Extinguisher With Light Duty Bracket, Installed Per DEPS 042 (In Cab or Inside Compartment Only)	1
37.	Vinyl manual pouch for storage of all operator and parts manuals	1

Electrical Accessories

38.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
39.	Altec Standard Amber LED Strobe Light with Brush Guard – Install on streetside of boomrest	1
40.	Dual Tone Back-Up With Outrigger Motion Alarm	1
41.	Altec Standard Multi-Point Grounding System	3
42.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1
43.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
44.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1
45.	Altec Modular Panel System (AMPS) – Includes Mounting Panel and Accessory Switches	1

Finishing Details



<u>Item</u>	<u>Description</u>	<u>Qty</u>
46.	Non-Focus Factory Build	1
47.	Delivery Of Completed Unit	1
48.	Inbound Freight	1
49.	Powder Coat Unit Altec White	1
50.	Finish Paint Body Accessories Above Body Floor Altec White	1
51.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
52.	Apply Non-Skid Coating to all walking surfaces	1
53.	English Safety And Instructional Decals	1
54.	Vehicle Height Placard – Installed In Cab	1
55.	Dielectric test unit according to ANSI requirements.	1
56.	Stability test unit according to ANSI requirements.	1
57.	Placard, HVI-22 Hydraulic Oil	1
58.	AA50 FA Installation	1

Warranty

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

AA50 Standard Retail Price \$107,220.00

Ohio STS Discount -\$5,361.00

AA50 Ohio STS Price \$101,859.00

Description	Add or Deduct	Price
55' Unit in lieu of 50' Unit	Add	\$511.00
60' Unit in lieu of 50' Unit	Add	\$4,490.00
Non-compensated boom system in lieu of compensated boom system	Deduct	-\$1,313.00
Extended reach lower boom unit in lieu of standard reach	Add	\$2,549.00



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	lower boom unit (May require the use of X-Frame outriggers)	
	Over-Center unit in lieu of non over-center (only available on the non-compensated boom systems)	Add
		-\$2,502.00
	Single Two-Man, End Mount, 180 Degree	Add
		\$1,911.00
	Single Two-Man, End Mount, 90 Degree, Side Mounted Hydraulic Jib/Winch	Add
		\$9,266.00
	Single Two-Man, 90 Degree, Side Mounted Hydraulic Jib/Winch, Forward Mounted ISO-Grip Controller	Add
		\$12,522.00
	Dual Single One-Man, 90 Degree, Dual Upper Controls, Side Mounted Hydraulic Jib/Winch	Add
		\$10,375.00
	24" Vertical Lift On Platform	Add
		\$3,000.00
	Altec Fiberglass Body With Aluminum Treadplate	Add
		\$11,313.00
	Custom Color Above Rotation And Pedestal	Add
		\$2,300.00
	Custom Color Body And Accessories	Add
		\$2,000.00
	Rustproof Bottom Of Body	Add
		\$1,154.00
	Gatorhyde Protection Paint, Cargo And Tailshelf Area	Add
		\$3,077.00

50' / 55' / 60' Articulated Over-Center Material Handler Aerial Unit
AM50 Aerial Device



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	203 Altec Model AM50 articulating overcenter aerial device with an insulated lower boom, insulated upper boom and an insulated ISO-Grip (U.S. Patent No. 7,416,053) System at the boom tip, for installation over rear axle, built in accordance to AltecS standard specifications and to include the following features: <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 50.3 feet at 4.0 feet from centerline of rotation (15.3 m at 1.2 m) B. Working Height: 55.3 feet (16.8 m) C. Maximum Reach to Edge of Platform with Upper Boom Overcenter: 42.7 feet (13.0 m) D. Maximum Reach to Edge of Platform with Upper Boom Non-overcenter and Lower Boom at 100 degrees: 31.4 feet at 27.3 foot platform height (9.6 m at 8.3 m) 	1
2.	375 - Automatic Upper Boom Latch	1
3.	217 - Single, Two-Man Side-Mounted Platform - 24 X 48 X 42 Inches (610 X 1219 X 1067 Mm); Platform Is Rated Up To 800 Pounds (363 Kg). Platform Rotates 90 Degrees To End Of Boom With Altec Patented Rotator. Includes Two Sets Of Quick Disconnects And Controls For Hydraulic Tools.	1
6.	239 - Platform Capacity Rating Of 400 Lbs. Per Operator, 400 Lbs. For Single Man Platform, 800 Lbs. For Two Man Platform <ul style="list-style-type: none"> A. Maximum Platform Capacity On AM55 With Dual Controls Is 350 Lbs. Per Platform B. All Capacities Are Based On Bare Platforms, Liner Weight Is Not Included 	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
7.	338 - Pilot Pressure - System Operates At 350 To 3,000 Psi (24 To 207 Bar), And 17 Gpm (64.4 Lpm). System Is Closed Center, Pressure Compensating.	1
8.	Twist style single handle controller. The controller is positioned so that when you are standing in the platform with the platform in the stowed position facing the controller the handle points towards the elbow of the unit and the head of the controller points toward rear of the truck. Unit rotation is driven by a twist action of the control handle. This style of controller is only available with a pilot pressure system.	1
9.	219 - Hydraulic Extend Jib - Material Handling, Hydraulically Articulated Jib, -30 Degrees To +90 Degrees Tilt Angle (Relative To The Upper Boom). Jib Can Be Hydraulically Extended To 54.4 Inches (1382 Mm) From Mounting Shaft To Load Line. The Jib Is Hydraulically Extended And Retracted In Two 18 Inch (457 Mm) Increments For A Total Of 36 Inches (914 Mm) Under Full Load. A. Capacities Up To 2000 Pounds (907 Kg) Based On Boom Position B. Load Chart Based On Platform Configuration C. Hydraulically Articulated Jib With -30 Degrees To 90 Degrees Tilt Angle Relative To The Upper Boom. Jib Is One Piece, 4 Inches Square X 63 Inches Long (102 X 1600 Mm) D. Hydraulically Extendible Jib Telescopes In And Out 18 Inches (457 Mm). Jib May Be Manually Re-Pinned Under Load And Telescoped An Additional 18 Inches For A Total Movement Of 36 Inches (914 Mm) Under Load E. Hydraulically Powered Winch That Is Rated To 2,000 Pounds (907 Kg) Full Drum, Mounted On End Of Upper Boom And Includes 80 Feet (24 M) Of 1/2 Inch (13 Mm) Double-Braided Synthetic Rope F. Auxiliary Winch Line Control Valve At Turntable	1
10.	236 - Maximum Jib Rating - Applied To All AM Series Machines, This Rating Provides The Maximum Jib Capacity At All Lower Boom Positions.	1
11.	393 - 12 VDC Electrical System Voltage	1
12.	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. This option allows the operator to start and stop the operation of the units as well as completely stow the booms and platform in a situation wherein the primary hydraulic source fails.	1
13.	470 - Primary Outrigger, X-Frame With Fold-Up Shoe - Provides 174 (4429 Mm) Maximum Spread And Weighs 1,500 Pounds (680 Kg)	1
14.	Outrigger, Auxiliary, A-Frame With Flat-Shoe - Provides 149 (3785 Mm) Maximum Spread And Weighs 1,050 Pounds (476 Kg)	1
15.	319 - Category C, 46 kV And below	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
16.	Powder coat unit Altec White.	1
<u>Unit & Hydraulic Acc.</u>		
17.	AM50/50E/55/55E/60/60E Series Unit Installation Components	1
18.	Swivel Hook For Winch Load Line	1
19.	Standard 1" Space between Subbase and frame for hose routing and ease of maintenance.	1
20.	Reservoir, 30 Gallon, Triangular, Mounted in Cargo Area	1
	A. Internal return filter, 10 micron absolute, fiberglass media	
	B. Ball valves in suction and return lines.	
	C. Magnetic suction strainer.	
	D. Filler/breather cap with dipstick.	
21.	AM50/55/60/50E/55E/60E Subbase	1
22.	Temperature Sight Gauge .	1
23.	HVI-22 Hydraulic Oil (Standard).	35
24.	Standard Pump For PTO	1
25.	Hot shift PTO for automatic transmission	1
26.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1
<u>Body</u>		
27.	170 inch Large Universal Aerial Body with outrigger housings, suitable for installing on any 4x2 chassis with an appropriate CA dimension of 120 inches, built in accordance with the following specifications:	1
	A. Basic body fabricated from A40 grade 100% zinc alloy steel.	
	B. All doors are full, double paneled, self-sealed with built-in drainage for maximum weather-tightness. Stainless steel hinge rods extend full length of door.	

<u>Item</u>	<u>Description</u>	<u>Qty</u>
C.	All doors are to contain stainless steel flush type, single point, two-stage rotary paddle latches with recessed handles, including keyed locks and strikers. door latches are bolted to the outer door panel.	
D.	Heavy-gauge welded steel frame construction with structural channel crossmembers and tread plate floor.	
E.	All edges are either rolled or folded for strength and safety.	
F.	Integrated door header drip rail at top for maximum weather protection.	
G.	Fender panels are either roll formed or have neoprene fenderettes mechanically fastened.	
H.	Steel treated for improved primer bond and rust resistance.	
I.	Automotive underseal applied to entire underside of body.	
J.	White primer applied to complete interior and exterior of body.	
K.	Automotive type non-porous door seals mechanically fastened to the door facing.	
L.	170 inch overall body length.	
M.	94 inch overall body width.	
N.	46 inch overall body height.	
O.	18 inch body compartment depth.	
P.	Body finish paint color - Altec White.	
Q.	Finish paint body at body manufacturer.	
R.	2 inch x 6 inch drop-in wood cargo retaining board at rear of body.	
S.	2 inch x 6 inch drop-in wood cargo retaining board at top of side access step.	
T.	Gas shock type rigid door holders for vertical doors.	
U.	Standard master body locking system.	
V.	One (1) wheel chock holder installed in fender panel on each side of body.	
W.	Hotstick shelf extending from rear of first vertical to rear of body on streetside.	
X.	Two (2) hotstick brackets installed on street side.	
Y.	Large side hinged hotstick door for multiple shelves on streetside.	
Z.	1st vertical street side (LH) - Three (3) adjustable shelves with removable dividers on 4 inch centers.	
AA.	2nd vertical street side (LH) - Six (6) locking swivel hooks on adjustable rails. 1-4-1 configuration.	
AB.	3rd vertical street side (LH) - Six (6) locking swivel hooks on adjustable rails. 1-4-1 configuration.	
AC.	1st horizontal street side(LH) - One (1) fixed shelf extending through rear vertical.	
AD.	Rear vertical street side (LH) - Outrigger housing.	
AE.	1st vertical curb side (RH) - Three (3) adjustable shelves with removable dividers on 4 inch centers.	
AF.	2nd vertical curb side (RH) - Six (6) locking swivel hooks on adjustable rails. 1-4-1 configuration.	
AG.	3rd vertical curb side (RH) - Gripstrut access steps with two (2) sloped grab handles.	
AH.	1st horizontal curb side (RH) - Two (2) fixed shelves with removable dividers on 8 inch centers.	
AI.	Rear Vertical curb side (RH) - Five (5) locking swivel hooks on adjustable rails. 1-3-1 configuration.	
AJ.	Rear Vertical curb side (RH) - Outrigger housing.	



<u>Item</u>	<u>Description</u>	<u>Qty</u>
AK.	Curbside compartment top access step installed in the cargo area 7 inches behind side access step.	
AL.	24 inch long x 94 inch wide steel tailshelf with 3 inch high retainer rail around sides and rear, installed at rear of body.	

Body and Chassis Accessories

28.	ICC (Underride Protection) Bumper Installed At Rear	1
29.	T-125 Style Pintle Hitch (30,000 LB MGTW with 6,000 LB MVL)	1
30.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
31.	Cable Step Installed At Rear, Double Step with Rigid Top Step	2
32.	Platform Access Step From Body Floor	1
33.	Platform Rest, Rigid with Rubber Tube	1
34.	Lower Boom Rest Weldment	1
35.	Mounting Brackets for Lights, Located on Lower Boom Rest	1
36.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4
37.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4
38.	Pendulum Retainers For Outrigger Pad Holders	4
39.	Mud Flaps With Altec Logo (Pair)	1
40.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
41.	U-Shaped Grab Handle	2
42.	Slope Indicator Assembly For Machine With Outriggers	1
43.	Triangular Reflector Kit, Installed	1
44.	5 LB Fire Extinguisher With Light Duty Bracket, Installed Per DEPS 042 (In Cab or Inside Compartment Only)	1
45.	Vinyl manual pouch for storage of all operator and parts manuals	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Electrical Accessories</u>		
46.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
47.	Altec Standard Amber LED Strobe Light with Brush Guard - Install on streetside of boomrest	1
48.	Dual Tone Back-Up With Outrigger Motion Alarm	1
49.	Altec Standard Multi-Point Grounding System	3
50.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1
51.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
52.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1
53.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1
<u>Finishing Details</u>		
54.	Non-Focus Factory Build	1
55.	Delivery Of Completed Unit	1
56.	Inbound Freight	1
57.	Powder Coat Unit Altec White	1
58.	Finish Paint Body Accessories Above Body Floor Altec White	1
59.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
60.	Apply Non-Skid Coating to all walking surfaces	1
61.	English Safety And Instructional Decals	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
62.	Vehicle Height Placard - Installed In Cab	1
63.	Dielectric test unit according to ANSI requirements.	1
64.	Stability test unit according to ANSI requirements.	1
65.	Placard, HVI-22 Hydraulic Oil	1
66.	AM50 FA Installation	1

Warranty

67.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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AM50 Standard Retail Price	\$123,149.00
Ohio STS Discount	<u>-\$6,158.00</u>
AM50 Ohio STS Price	\$116,991.00

Description	Add or Deduct	Price
55' Aerial Unit in lieu of 50'	Add	\$510.00
60' Aerial Unit in lieu of 50'	Add	\$4,488.00
Aerial Unit With Extended Side Reach	Add	\$2,743.00
Single One-Man Platform, Side Mounted	Deduct	-\$410.00
Dual Single One-Man Platforms, Single Controller	Add	\$2,507.00
Dual Single One-Man Platforms, Dual Controls	Add	\$4,403.00
Altec Fiberglass Body With Aluminum Treadplate	Add	\$11,924.00
Custom Color Above Rotation And Pedestal	Add	\$2,300.00
Custom Color Body And Accessories	Add	\$2,000.00
Rustproof Bottom Of Body	Add	\$1,154.00
Gatorhyde Protection Paint, Cargo And Tailshelf Area	Add	\$3,077.00

100' Articulated Aerial Unit AN67-E100 Aerial Device



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Unit</u>		
1.	Altec Model AN67-E100 Articulating non-overcenter aerial device with a insulating lower boom, insulating upper boom and the patented ISO-Grip insulating system at the boom tip for installation over rear axle, built in accordance with ALTEC'S standard specifications and to include the following features: <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 100 feet (30.5 m) B. Working Height: 105 feet (32.0 m) C. Maximum Reach to Edge of Platform with Upper Boom Non-overcenter: 45.8 feet (14.0 m) at 36.8 feet (11.2 m) platform height 	1
2.	375 - Automatic stow system	1
3.	32' Double Elevator <ul style="list-style-type: none"> A. Installed over the rear axle allowing the upper pedestal to be installed at the rear of the vehicle when in the stored position. This allows the conventional storage of the aerial device booms over the chassis cab. 	1
4.	220- Single two-man end mount 24x48x42 180 degree rotator	1
7.	Category B, 69 kV and Below, Pre-Wired for Category A, Coaxial	1
8.	315 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	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	engine, PTO or pump fails.	
9.	Lower Elevator Arm stow override - proximity switch prevents lower elevator arm from being fully stowed until manual override at lower control station is depressed and held. Reduces potential for damage to lower elevator arm from stowing onto foreign objects. Lower elevator arm stops at 7 degree angle referenced from truck body. When stow override is activated by ground personnel, platform control for the lower arm is reactivated and the lower elevator arm can be fully stowed. An "Elevator Not Stow Light" will also be installed in the cab of the truck.	1
10.	246-Primary Outrigger, Radial - provides 175 inch (4445 mm) spread at maximum penetration.	1
11.	246-Auxiliary Outrigger, Radial - provides 175 inches (4445 mm) spread at of maximum penetration.	1
12.	Powder coat unit Altec White.	1

Unit & Hydraulic Acc.

13.	Unit Installation Components.	1
14.	Standard 1" Space between Subbase and frame for hose routing and ease of maintenance.	1
15.	AA/AN 50/55/50E/55E/60/60E AN46-OC/50-OC/55-OC/46E-OC/50E-OC/55E-OC Elevator Subbase	1
16.	Reservoir, 50 Gallon, Vertical, 21" L x 34" H x 16" W	1
17.	HVI-22 Hydraulic Oil (Standard).	55
18.	Standard Pump For PTO	1
19.	Hot shift PTO for automatic transmission	1
20.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1

Body



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
21.	50 inch sidepacks, suitable for installing on any 6x4 or 6x6 chassis, built to the following specifications: A. Basic body fabricated from A40 grade 100% zinc alloy steel. B. All doors are full, double paneled, self-sealed with built-in drainage for maximum weather-tightness. Stainless steel hinge rods extend full length of door. C. All doors are to contain stainless steel flush type, single point, two-stage rotary paddle latches with recessed handles, including keyed locks and strikers. door latches are bolted to the outer door panel. D. All edges are either rolled or folded for strength and safety. E. Integrated door header drip rail at top for maximum weather protection. F. Steel treated for improved primer bond and rust resistance. G. White primer applied to complete interior and exterior of body. H. Automotive type non-porous door seals mechanically fastened to the door facing. I. 50 inch overall body length. J. 46 inch overall body height. K. 18 inch body compartment depth. L. Body finish paint color - Altec White. M. Finish paint body at body manufacturer. N. Gas shock type rigid door holders for vertical doors. O. Standard master body locking system. P. 1st vertical streetside (LH) - Three (3) adjustable shelves with removable dividers on 4 inch centers. Q. 2nd vertical streetside (LH) - Six (6) locking swivel hooks on adjustable rails. 2-2-2 configuration. R. 1st vertical curbside (RH) - Three (3) adjustable shelves with removable dividers on 4 inch centers.	1
22.	Altec Body	1
23.	Steel Body	1
24.	Platform/Flatbed	1
25.	Body Is To Be Built In Accordance With The Following Altec Standard Specifications: A. Basic Body Fabricated From A40 Grade 100% Zinc Alloy Coated Steel. B. All Doors Are Full, Double Paneled, Self-Sealed With Built-In Drainage For Maximum Weather-Tightness. Hinge Rods Extend Full Length Of Door. C. Heavy-Gauge Welded Steel Frame Construction With Structural Channel Crossmembers And Tread Plate Floor. D. Integrated Door Header Drip Rail At Top For Maximum Weather Protection. E. Fender Panels Are Either Roll Formed Or Have Neoprene Fenderettes Mechanically Fastened.	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	F. Steel Treated For Improved Primer Bond And Rust Resistance.	
	G. Automotive Type Non-Porous Door Seals Mechanically Fastened To The Door Facing.	
26.	216" Estimated Flatbed Length (Engineering To Determine Final Length)	1
27.	1/8" (12 Gauge) Treadplate Floor	1
28.	96" Body Width	1
29.	Finish Paint Body Altec White (Applies To Steel And Aluminum)	1
30.	Undercoat Body	1
31.	4 High Flatbed (No Cross Storage Available)	1
32.	Outrigger Cutout Required	1
33.	Unit Cutout Required	1
34.	Light Channels Installed At Rear Of Flatbed	1
35.	Steel U-Shaped Grab Handle	2

Body and Chassis Accessories

36.	ICC (Underride Protection) Bumper Installed At Rear	1
37.	T-125 Style Pintle Hitch (30,000 LB MGTW with 6,000 LB MVL)	1
38.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
39.	Cable Step Installed At Rear, Double Step with Rigid Top Step - Install on streetside	1
40.	Platform Access Ladder from Flatbed with Grab Handle	1
41.	Elevator Upper Boom Walkway and Platform Access Steps	1
42.	Platform Rest, Rigid with Rubber Tube	1
43.	Lower Boom Rest - AA/AN Elevator	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	@.	
44.	Mounting Brackets for Lights, Located on Lower Boom Rest	1
45.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4
46.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4
47.	Mud Flaps With Altec Logo (Pair)	1
48.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	2
49.	Wheel Chock Holders (Pair), For Installation Under Flatbed Or Dump Body	2
50.	Dock Bumpers (Pair), Fixed Mounting (Rectangular Bumper), Installed At Rear	1
51.	Slope Indicator Assembly For Machine With Outriggers	1
52.	Standard Elevator Body Components - Elevator Flatbed Body Assembled at Final Assembly	1
53.	Triangular Reflector Kit, Installed	1
54.	5 LB Fire Extinguisher With Light Duty Bracket, Installed Per DEPS 042 (In Cab or Inside Compartment Only)	1
55.	Vinyl manual pouch for storage of all operator and parts manuals	1
<u>Electrical Accessories</u>		
56.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
57.	Altec Standard Amber LED Strobe Light with Brush Guard - Install on streetside of boomrest	1
58.	Dual Tone Back-Up With Outrigger Motion Alarm	1
59.	Altec Standard Multi-Point Grounding System	4
60.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1
61.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
62.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1
63.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1

Finishing Details

64.	Non-Focus Factory Build	1
65.	Delivery Of Completed Unit	1
66.	Inbound Freight	1
67.	Powder Coat Unit Altec White	1
68.	Finish Paint Body Accessories Above Body Floor Altec White	1
69.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
70.	Apply Non-Skid Coating to all walking surfaces	1
71.	English Safety And Instructional Decals	1
72.	Vehicle Height Placard - Installed In Cab	1
73.	Dielectric test unit according to ANSI requirements.	1
74.	Stability test unit according to ANSI requirements.	1
75.	Placard, HVI-22 Hydraulic Oil	1
76.	FA Unit Designator - AN67-E100	1

Warranty

77.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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Ohio STS Contract

AN67-100 Standard Retail Price	\$305,820.00
Ohio STS Discount	<u>-\$16,096.00</u>
AN67-100 Ohio STS Price	\$289,724.00

Description	Add or Deduct	Price
Single Two-Man, 90 Degree, Side Mount With Hydraulic Extend Jib/Winch	Add	\$10,658.00
24" Platform elevator	Add	\$3,000.00
Altec model AM900E100, in lieu of the AN67E100	Deduct	-\$7,039.00
Altec Fiberglass Body With Aluminum Treadplate	Add	\$19,099.00
Custom Color Above Rotation And Pedestal	Add	\$4,300.00
Custom Color Body And Accessories	Add	\$3,900.00
Rustproof Bottom Of Body	Add	\$1,500.00
Gatorhyde Protection Paint, Cargo And Tailshelf Area	Add	\$3,400.00

60' Articulated Aerial Unit (City of Cleveland) AA60E Aerial Unit



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Unit</u>		
1.	<p>Altec Model AA60E Articulating Non-Overcenter Aerial Device with a fiberglass upper boom and fiberglass insulator in the lower boom and the Altec ISO-Grip system, an upper control system incorporating high resistance components at the boom tip. Built in accordance to ALTEC's standard specifications and to include the following features:</p> <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 60.1 ft at 11.0 ft from centerline of rotation (18.3 m at 3.4 m) B. Working Height: 65.1 ft (19.8 m) C. Maximum reach to edge of platform: 46.8 ft at 30.7 ft platform height (14.3 m at 9.4 m) D. Rotation: Continuous E. Upper Boom Articulation: 0 to 173 degrees. Insulator provides a minimum of 192 in (488 cm) of isolation. F. Lower Boom Articulation: 0 to 120 degrees. Insulator provides a minimum of 24 in (610 mm) of isolation. G. Lower Boom Stow Protection: To help prevent excessive down pressure by boom structures when stowing. H. The Altec ISO-Grip System (U.S. Patent No. 7,416,053) includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system. Control Handle is a single handle controller incorporating high electrical resistance components that is dielectrically tested to 40 kV AC with no more than 400 microampers of leakage. The control handle is green in color to differentiate it from other non-tested controllers. The handle also includes an interlock guard that reduces the potential for inadvertent boom operation. The handle is tiller style and points away from elbow. Auxiliary control covers are non-tested blue 	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<p>silicon covers. The control console in non-tested non-metallic control console plate. The boom tip covers are non-tested non metallic and are not dielectrically tested, but they may provide some protection against electrical hazards.</p> <ul style="list-style-type: none"> I. Lower Controls: A lower control station includes and is located on the of the turntable. A selector valve is provided to override the upper controls. J. Platform Leveling System: The platform is leveled by a single leveling chains with fiberglass rods in lower and upper boom, designed to maintain the dielectric integrity of the aerial device. Controls for tilting the platform are located at the platform. The mechanism for tilting the platform includes one dual acting cylinder incorporating counterbalance load holding valves to lock the platform in the event of hydraulic line failure. K. Control Purging System: 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. L. Diagnostic Pressure Test Quick Disconnect Couplings: are located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system and tool circuit pressure. This convenient troubleshooting feature saves time and reduces the risk of high pressure oil sprays. M. Upper Boom Compensation: Hydraulically compensated 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. N. Unit meets or exceeds ANSI 92.2 standards. 	
2.	375 - Automatic stow system	1
3.	217PE-F Platform, Single, Two-Man Side-Mounted - 24 X 48 X 42 Inches (610 X 1219 X 1067 Mm), 24 Inch Vertical Lift. Platform Is Rated Up To 650 Pounds without Liner for Unit AN50/55E AA50/50E/55/55E and up to 550 lbs without liner for Unit AN60E or AA60E. Platform Rotates 90 Degrees To End Of Boom With Altec Patented Rotator. Includes Two Sets Of Quick Disconnects And Controls For Hydraulic Tools. Includes hydraulically articulating and extending material handling jib with winch rope mounted on opposite side of upper boom.	1
4.	Soft Platform Cover For Two Man Platform (24x48)	1
5.	259 Polyethylene platform liner for two man platform, 50 kV rating (minimum) - Include Molded Inside Step	1
6.	315 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.	1
7.	460 - Outrigger X-Frame with flat shoe - 172.8 inch max spread	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
8.	460 - Outrigger X-Frame with flat shoe - 172.8 inch max spread	1
9.	319 - Category C 46 kV and below	1
10.	Powder coat unit Altec White.	1
11.	Custom Option - Platform Tilt At Lower Controls	1
<u>Unit & Hydraulic Acc.</u>		
12.	Unit Installation Components.	1
13.	Reservoir, 30 Gallon, Triangular, Mounted in Cargo Area	1
	A. Internal return filter, 10 micron absolute, fiberglass media	
	B. Ball valves in suction and return lines.	
	C. Magnetic suction strainer.	
	D. Filler/breather cap with dipstick.	
14.	AA/AN 50/55/50E/55E/60/60E AN46-OC/50-OC/55-OC/46E-OC/50E-OC/55E-OC Subbase	1
15.	Temperature Sight Gauge .	1
16.	HVI-22 Hydraulic Oil (Standard).	35
17.	Hydraulic Oil Heater, 12V, Fixed Temperature Range	1
18.	Standard Pump For PTO	1
19.	Hot shift PTO for automatic transmission	1
20.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1
21.	Additional Unit/Hydraulic Accessory - Hang On Platform Tool Tray, Model PTI 1TB-W	1

Body



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
22.	Altec Osceola	1
23.	Fiberglass Body	1
24.	Aerial Service Line With Step (ASLS)	1
25.	Custom Body Specifications - Compartment height above cargo floor to be 30 inches - Aluminum treadplate floor and tailshelf - Aluminum treadplate cargo walls - Molded fiberglass fender crowns - Aluminum 6 inch high under structure	1
26.	Approximate Body Length (Engineering to Determine Final Length) - 165 inches	1
27.	Custom Body Width - 98 inches	1
28.	Custom Body Compartment Height - 48 inches	1
29.	18 Inch Body Compartment Depth	1
30.	Gelcoat Finish Entire Body Altec White	1
31.	2 Inch x 6 Inch Drop-In Composite Retaining Board At Top Of Side Access	1
32.	Custom Body Compartment Top Surface - Aluminum treadplate on all compartment tops	1
33.	Rope Lights (LED) Around Top And Sides Of Compartment Door Facings	9
34.	Stainless Steel Rotary Paddle Latches With Keyed Locks	9
35.	All Locks Keyed Alike Including Accessories (Preferred Option)	1
36.	Gas Shock (Gas Spring) Rigid Door Holders On All Vertical Doors	1
37.	Cable Holders On All Horizontal Doors	1
38.	Standard Master Body Locking System (Standard Placement Is At Rear. Sidepacks With A Throughshelf/Hotstick Door At Rear, Standard Placement Is At The Front)	9
39.	Two Chock Holders On Each Side of Body With Retaining Lip In Fender Panel	1
40.	Hotstick Shelf Extending From Rear Of First Vertical To Rear Of Body On Streetside - Install 10 inches down from top of compartment	1
41.	Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel Slam Paddle Latch With Keyed Lock	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
42.	1st Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	4
43.	2nd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	3
44.	Custom 2nd Vertical (SS) Compartmentation - Wall Cut Out Between 2nd and 3rd Vertical Compartments - Cut out to be 12 inches x 16 inches at the bottom of the compartment	1
45.	3rd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	3
46.	3rd Vertical (SS) - Louvered Panel On Rear Wall To Ventilate Compartment - Install near bottom of compartment	1
47.	1st Horizontal (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	2
48.	Rear Vertical (SS) - Outrigger Housing, With Outrigger Pin Access As Needed	1
49.	Custom Rear Vertical (SS) Compartmentation - Vertical Partition Located In Compartment Under Hotstick Shelf - Evenly spaced for both sides of partition - Left side to have two (2) adjustables shelves - Right side to have nine (9) locking swivel hooks, location to be determined at drawing review	1
50.	1st Vertical (CS) - Partial Transverse Compartment Extending To The Rear Wall Of the Streetside	1
51.	1st Vertical (CS) - Transverse Shelf - 72 inches L - Open to curbside - Mounted 12 inches down from top	1
52.	1st Vertical (CS) - 6 Inch High Transverse Drawer Kit On Roller Bearings, As Wide As Possible, No Dividers (Slides To CS Only)	1
53.	Custom 1st Vertical (CS) Compartmentation - Aluminum Treadplate Door Located Top Center Of Transverse Compartment - Locking Hasp - Gas Props - Rubber Door Seals - Approx 40 inches x 18 inches in size - Used for access to transverse shelf - Hinge door on front side of body for access from cargo area	1
54.	2nd Vertical (CS) - Gripstrut Access Steps With Two (2) Sloped Grab Handles - Stainless steel handles - 24 inches Wide - First step to be flush with bottom of body - Two (2) steps that should be evenly spaced	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
55.	3rd Vertical (CS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	4
56.	1st Horizontal (CS) - Fixed Shelf With Removable Dividers On 4 Inch Centers	1
57.	1st Horizontal (CS) - Fixed Shelf With Removable Dividers On 4 Inch Centers On Bottom of Compartment	1
58.	Rear Vertical (CS) - Locking Swivel Hook(s) On A Fixed Rail (Left Wall)	2
59.	Rear Vertical (CS) - Locking Swivel Hook(s) On A Fixed Rail (Rear Wall)	5
60.	Rear Vertical (CS) - Locking Swivel Hook(s) On A Fixed Rail (Right Wall)	2
61.	Rear Vertical (CS) - Outrigger Housing, With Outrigger Pin Access As Needed	1
62.	Custom Rear Vertical (CS) Compartmentation - Install hooks as high as possible	1
63.	Custom Tailshelf Dimensions/Material - Aluminum Treadplate Tailshelf - 30 inches Length - 20 inch Wide cross storage with drop down doors on each side - 2 inch x 6 inch Drop-In composite retaining boards around perimeter of tailshelf	1
<u>Body and Chassis Accessories</u>		
64.	ICC (Underride Protection) bumper with integral fixed Grip Strut steps on curbside and streetside	1
65.	Custom Towing Device - BP 100A Pintle Hook - Install at 20 inches from the ground to load bearing surface - Include breakaway eye	1
66.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
67.	Glad Hands At Rear, Straight Type	1
68.	Compartment Top Access Step from Body Floor - Aluminum construction	1
69.	Single Platform Access, One Step Mounted to Turntable	1
70.	Custom Platform Rest - Pivot Style With Rubber Tube	1
71.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
72.	Custom Outrigger Pad Holder - Aluminum outrigger pad holder - To hold 24x24x1 inch pads - Install two (2) under the body on each side	4
73.	Mud Flaps With Altec Logo (Pair)	1
74.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	2
75.	Custom Grab Handle - Aluminum Grab Handle - Install on each side of tailshelf at rear - Handle goes from top-rear of body to rear edge of tailshelf floor	2
76.	Slope Indicator Assembly For Machine With Outriggers	1
77.	Post Style Cone Holder (Holds up to four 15"x15" large cones) - Install one (1) on each side of front outriggers	2
78.	Water Cask Bracket Only, For 3 or 5 Gallon (Wire Type)	1
79.	Water Cask 5 Gallon (Plastic)	1
80.	Custom Wire Rack/Reel - Soft Copper Wire Spool Holder - To hold 2 to 3 reels - Reels are 12 inch diameter - Exact style and location to be determined	1
81.	Triangular Reflector Kit, Shipped Loose	1
82.	Custom Safety Equipment - First Aid Kit - Zee #42 Model - Ship loose with truck	1
83.	5 LB Fire Extinguisher With Heavy Duty Bracket, Installed - Installed in cab, exact location determined at customer inspection	2
84.	Vinyl manual pouch for storage of all operator and parts manuals	1
85.	Additional Body/Chassis Accessory - Reese Square Hitch Receiver - Install two (2) at the rear, with one (1) mounted to the outside of the chassis frame rail on each side.	2
86.	Additional Body/Chassis Accessory - Horizontal Vise Mounting Bracket - To be used with Reese receiver hitch at rear.	1
87.	Additional Body/Chassis Accessory - Horizontal Ring Style Cone Holder - To be used with Reese receiver hitch at rear.	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	- Cones to be stored in an inverted style	
88.	Additional Body/Chassis Accessory - Aluminum Treadplate Ladder Enclosed Ladder Box - 108 inches L x 18 inches W x 10 inches H - Rear roller and restraining strap - Install on top of streetside compartment top	1
89.	Additional Body/Chassis Accessory - Aluminum Treadplate Storage Box - 108 inches L x 18 inches W x 10 inches H - Install on top of curbside compartment top - One (1) independently top opening lids, weatherproof - Aluminum gripstrut on top - Gap props - Locking hasps - Drains - Vented - Lined with rubberized coating on bottom and sides	1
90.	Additional Body/Chassis Accessory - Aluminum U-Shaped Grab Handle - Install at curbside rear top of storage box to assist in operator access to platform	1
91.	Additional Body/Chassis Accessory - Aluminum Treadplate Storage Box - 144 inches L x 18 inches W x 10 inches H - Install on top of streetside compartment top - Two (2) independently top opening lids, weatherproof - Aluminum gripstrut on top - Gap props - Locking hasps - Drains - Vented - Lined with rubberized coating on bottom and sides	1
92.	Additional Body/Chassis Accessory - Strand Wire Reel Carrier - 14 inches H x 20 inches W - Install at rear tailshelf - Exact location and size determined at drawing review	1
93.	Additional Body/Chassis Accessory - Aluminum Bicycle Rack Style For Wire Storage - Included four (4) storage slots - Ship loose with unit	1
94.	Additional Body/Chassis Accessory - Roboreel #5478 Triplex Wire Reel - Ship loose with unit	1
95.	Additional Body/Chassis Accessory - Aluminum Material Rail - 72 inches L - Four (4) sliding hooks - Installed in cargo, exact location determined at drawing	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Electrical Accessories</u>		
96.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights) - Truck Lite Brand	1
97.	Custom Strobe Light - Whelen L32LAF Super LED Beacons - Install one (1) on each side of the boomrest, visible above the cab - All strobes wired to one switch in cab	2
98.	4-Corner Strobe Lighting, Amber LED - All strobes to be on one (1) switch in cab A. Two (2) Surface Mounted Lights in Front Grille B. Two (2) Round Grommet Mounted Lights at Rear	1
99.	Post mounted spotlight, halogen, mounted on driver's side of cab	1
100.	Post mounted spotlight, halogen, mounted on passenger's side of cab	1
101.	Cargo Light, LED, 4" DIA, Grommet Mounted - Install one (1) at side access walkway - Install two (2) on curbside cargo wall mounted high on the wall - Install one (1) at the rear of the cargo area - Wired to one (1) weatherproof switch at the side access walkway	4
102.	Custom Remote Spot/Flood - GoLight Model 3067 Spotlight - Includes wireless dash mounted controller and wireless remote control - Install on curbside of front boom rest, visible above the cab	1
103.	Dual Tone Back-Up With Outrigger Motion Alarm	1
104.	Altec Standard Multi-Point Grounding System	4
105.	Grounding Reel, Automatic Retracting, Hannay - Holds #2 GA, #1/0 GA (Max 75'), Or #2/0 GA Cable (Max 65') - Location determined at drawing review	1
106.	Grounding Cable, 1/0 GA Yellow Jacketed Cable	40
107.	Grounding Clamp, Aluminum C-Clamp Style With Smooth Jaws (Includes Ferrule and Heat Shrink Tubing)	1
108.	PTO Hour Meter, Digital, with 10,000 Hour Display	1
109.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
110.	Relocate Trailer Receptacle Supplied With Chassis	1
111.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
112.	Custom Inverter - Dimensions 12U12U 1200 Watt Inverter - Installed inside chassis cab - Switch in cab to control inverter	1
113.	120 Volt GFCI Receptacle Includes Weather-resistant Enclosure - Install on curbside rear body panel.	1
114.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1
115.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1
116.	Additional Electrical Accessory - All 12 Volt wiring to be color coded, protected with split loom, and secured at regular intervals	1
117.	Additional Electrical Accessory - All body lighting connections to be terminated in a TruckLite weatherproof junction box located in an accessible location at rear under body	1

Finishing Details

118.	Non-Focus Factory Build	1
119.	AA60E FA Installation	1
120.	Delivery Of Completed Unit	1
121.	Inbound Freight	1
122.	Powder Coat Unit Altec White	1
123.	Finish Paint Body Accessories Above Body Floor Altec White	1
124.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
125.	Custom Undercoating - Line-X Applied Undercoating	1
126.	Apply Non-Skid Coating to all walking surfaces	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
127.	English Safety And Instructional Decals	1
128.	Vehicle Height Placard - Installed In Cab	1
129.	Dielectric test unit according to ANSI requirements.	1
130.	Stability test unit according to ANSI requirements.	1
131.	Placard, HVI-22 Hydraulic Oil	1

Warranty

132.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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AA60E Standard Retail Price	\$172,802.00
AA60E Ohio STS Discount	<u>-\$10,800.00</u>
AA60E Ohio STS Price	\$162,002.00

Description	Add or Deduct	Price
2 Yr Extended Warranty (Parts, Labor, Travel)	Add	\$2,688.00
3 Yr Extended Warranty (Parts, Labor, Travel)	Add	\$3,751.00
4 Yr Extended Warranty (Parts, Labor, Travel)	Add	\$4,859.00
2 Yr Extended Warranty (Parts, Labor, NO Travel)	Add	\$1,460.00
3 Yr Extended Warranty (Parts, Labor, NO Travel)	Add	\$2,050.00
4 Yr Extended Warranty (Parts, Labor, NO Travel)	Add	\$2,659.00

60' Telescopic Articulated Aerial Unit (City of Cleveland)

TA60 Aerial Unit



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Unit</u>		
1.	<p>Altec Model TA60 Articulating Telescopic Aerial Device with a fiberglass upper boom and fiberglass insulator in the articulating arm and a proportional joystick upper control and toggle switches. Built in accordance to ALTEC's standard specifications and to include the following features:</p> <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 59.8 ft at 14.3 ft from centerline of rotation (18.2 m at 4.4 m) B. Working Height: 64.8 ft (19.8 m) C. Maximum reach to edge of platform: 40.1 ft at 26.6 ft platform height (12.2 m at 8.1 m) D. Continuous Rotation E. Articulating Arm Articulation: 0 to 93 degrees. Insulator provides a minimum of 12 in (304.8 mm) of isolation. F. Articulating arm is a tubular steel structure. The articulating arm is designed so that the articulating arm and lower boom are compensating. By raising the articulating arm only, the lower and upper boom maintains the same relative angle with the ground. By raising the articulating arm in conjunction with the lower boom, the operator is able to position himself more quickly and easily into the work area. G. Upper Boom Articulation: -25 to 75 degrees. Insulator provides minimum of 36.0 in (914.4 mm) of isolation. The telescopic upper boom is filament wound, square fiberglass that is extended and retracted by a double acting hydraulic cylinder installed within the booms. The boom extends and retracts over slide bearings located in the end of the lower boom. 	1

<u>Item</u>	<u>Description</u>	<u>Qty</u>
H.	Upper Controls: The upper controls system includes a proportional joystick upper control and toggle switches.	
I.	The Altec ISO-Grip System (U.S. Patent No. 7,416,053) includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system. Control Handle is a single handle controller incorporating high electrical resistance components that is dielectrically tested to 40 kV AC with no more than 400 microampers of leakage. The control handle is green in color to differentiate it from other non-tested controllers. The handle also includes an interlock guard that reduces the potential for inadvertent boom operation. The handle is tiller style and points away from elbow. Auxiliary control covers are non-tested blue silicon covers. The control console in non-tested non-metallic control console plate. The boom tip covers are non-tested non metallic and are not dielectrically tested, but they may provide some protection against electrical hazards.	
J.	Lower Controls: A lower control station includes and is located on the of the turntable. A selector valve is provided to override the upper controls.	
K.	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.	
L.	Outrigger/boom interlock system prevents boom from being unstowed until outriggers have been at least partially deployed.	
M.	Outrigger/unit selector control is located near the outrigger controls, allows operator to divert hydraulic oil from machine circuit for outrigger operation. This reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped.	
N.	Outrigger motion alarm provides audible alarm when any of the outriggers controls are operated.	
O.	Diagnostic Pressure Test Quick Disconnect Couplings: are located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system and tool circuit pressure. This convenient troubleshooting feature saves time and reduces the risk of high pressure oil sprays.	
P.	Unit meets or exceeds ANSI 92.2 standards.	
2.	Automatic Upper Boom Stow Securing System with support cradle.	1
3.	287 Pedestal, Rear Mount, Low Cab Height - includes 35.5 inch (902 mm) pedestal height, 84 inch (2134 mm) mast height - recommended for TA55 and TA60, installed on short cab height chassis	1
4.	219 Single Two-Man Platform - Platform end mounted, rotates 180 degrees around	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	boom tip. Platform has a capacity of 600lbs without liner. This option does not include material handling.	
5.	Soft Platform Cover For Two Man Platform (24x48)	1
6.	259 Polyethylene platform liner for two man platform, 50 kV rating (minimum)	1
7.	Engine Start/Stop & Secondary Stowage System: 12 VDC powered motor and pump assembly for temporary operation of the unit in a situation wherein the primary hydraulic source fails. Electric motor is powered by the chassis battery. This feature allows the operator to completely stow the booms, platform, and outriggers. Secondary Stowage & Start/Stop is activated with an air plunger at the platform or momentary switch at the lower control station and outriggers.	1
8.	Outrigger, A-Frame with Swivel-Shoe - 135.6 inch maximum spread pin to pin	1
9.	240 Modified flat-shoe, A-frame, Fixed Shoe, Outrigger installed at rear of body, with 101 inches (2565 mm) of spread at maximum penetration.	1
10.	Electric Over Hydraulic Outrigger Control Valve	1
11.	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	2
12.	Manual, Extra Operators and Maintenance/Parts	1
13.	Altec Aerial Device Powder Painted White	1
14.	Custom Option - Platform Leveling - Install at upper and lower controls	1
<u>Unit & Hydraulic Acc.</u>		
15.	Reservoir, 25 Gallon, Sloped, Mounted in Cargo Area	1
	A. Internal return filter, 10 micron absolute, fiberglass media.	
	B. Ball valves in suction and return lines.	
	C. Suction strainer.	
	D. Filler/breather cap with dipstick.	
16.	HVI-22 Hydraulic Oil (Standard).	30



<u>Item</u>	<u>Description</u>	<u>Qty</u>
17.	Hydraulic Oil Heater, 12V, Fixed Temperature Range	1
18.	Standard Pump For PTO	1
19.	Hot shift PTO for automatic transmission	1
20.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1
21.	Additional Unit/Hydraulic Accessory - Hang On Platform Tool Tray, Model PTI 1TB-W	1

Body

22.	Altec Osceola	1
23.	Fiberglass Body	1
24.	Aerial Service Line With Step (ASLS)	1
25.	Custom Body Specifications - Compartment height above cargo floor to be 30 inches - Aluminum treadplate floor and tailshelf - Aluminum treadplate cargo walls - Molded fiberglass fender crowns - Aluminum 6 inch high under structure	1
26.	Approximate Body Length (Engineering to Determine Final Length) - 165 inches	1
27.	Custom Body Width - 98 inches	1
28.	Custom Body Compartment Height - 48 inches	1
29.	18 Inch Body Compartment Depth	1
30.	Gelcoat Finish Entire Body Altec White	1
31.	2 Inch x 6 Inch Drop-In Composite Retaining Board At Top Of Side Access	1
32.	Custom Body Compartment Top Surface - Aluminum treadplate on all compartment tops	1
33.	Rope Lights (LED) Around Top And Sides Of Compartment Door Facings	9



<u>Item</u>	<u>Description</u>	<u>Qty</u>
34.	Stainless Steel Rotary Paddle Latches With Keyed Locks	9
35.	All Locks Keyed Alike Including Accessories (Preferred Option)	1
36.	Gas Shock (Gas Spring) Rigid Door Holders On All Vertical Doors	1
37.	Cable Holders On All Horizontal Doors	1
38.	Standard Master Body Locking System (Standard Placement Is At Rear. Sidepacks With A Throughshelf/Hotstick Door At Rear, Standard Placement Is At The Front)	9
39.	Two Chock Holders On Each Side of Body With Retaining Lip In Fender Panel	1
40.	Hotstick Shelf Extending From Rear Of First Vertical To Rear Of Body On Streetside - Install 10 inches down from top of compartment	1
41.	Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel Slam Paddle Latch With Keyed Lock	1
42.	1st Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	4
43.	2nd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	3
44.	Custom 2nd Vertical (SS) Compartmentation - Wall Cut Out Between 2nd and 3rd Vertical Compartments - Cut out to be 12 inches x 16 inches at the bottom of the compartment	1
45.	3rd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	3
46.	3rd Vertical (SS) - Louvered Panel On Rear Wall To Ventilate Compartment - Install near bottom of compartment	1
47.	1st Horizontal (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	2
48.	Rear Vertical (SS) - Outrigger Housing, With Outrigger Pin Access As Needed	1
49.	Custom Rear Vertical (SS) Compartmentation - Vertical Partition Located In Compartment Under Hotstick Shelf - Evenly spaced for both sides of partition - Left side to have two (2) adjustables shelves - Right side to have nine (9) locking swivel hooks, location to be determined at drawing review	1
50.	1st Vertical (CS) - Partial Transverse Compartment Extending To The Rear Wall Of the	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	Streetside	
51.	1st Vertical (CS) - Transverse Shelf - 72 inches L - Open to curbside - Mounted 12 inches down from top	1
52.	1st Vertical (CS) - 6 Inch High Transverse Drawer Kit On Roller Bearings, As Wide As Possible, No Dividers (Slides To CS Only)	1
53.	Custom 1st Vertical (CS) Compartmentation - Aluminum Treadplate Door Located Top Center Of Transverse Compartment - Locking Hasp - Gas Props - Rubber Door Seals - Approx 40 inches x 18 inches in size - Used for access to transverse shelf - Hinge door on front side of body for access from cargo area	1
54.	2nd Vertical (CS) - Gripstrut Access Steps With Two (2) Sloped Grab Handles - Stainless steel handles - 24 inches Wide - First step to be flush with bottom of body - Two (2) steps that should be evenly spaced	1
55.	3rd Vertical (CS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	4
56.	1st Horizontal (CS) - Fixed Shelf With Removable Dividers On 4 Inch Centers	1
57.	1st Horizontal (CS) - Fixed Shelf With Removable Dividers On 4 Inch Centers On Bottom of Compartment	1
58.	Rear Vertical (CS) - Locking Swivel Hook(s) On A Fixed Rail (Left Wall)	2
59.	Rear Vertical (CS) - Locking Swivel Hook(s) On A Fixed Rail (Rear Wall)	5
60.	Rear Vertical (CS) - Locking Swivel Hook(s) On A Fixed Rail (Right Wall)	2
61.	Rear Vertical (CS) - Outrigger Housing, With Outrigger Pin Access As Needed	1
62.	Custom Rear Vertical (CS) Compartmentation - Install hooks as high as possible	1
63.	Custom Tailshelf Dimensions/Material - Aluminum Treadplate Tailshelf - 30 inches Length - 20 inch Wide cross storage with drop down doors on each side - 2 inch x 6 inch Drop-In composite retaining boards around perimeter of tailshelf	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Body and Chassis Accessories</u>		
64.	ICC (Underride Protection) bumper with integral fixed Grip Strut steps on curbside and streetside	1
65.	Custom Frame Rail Storage - Weatherguard Model 304-3 - 48 inches L and 30 inches W - Install at rear between chassis frame rails	1
66.	Custom Towing Device - BP 100A Pintle Hook - Install at 20 inches from the ground to load bearing surface - Include breakaway eye	1
67.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
68.	Glad Hands At Rear, Straight Type	1
69.	Compartment Top Access Step from Body Floor - Aluminum construction	1
70.	Platform Access Step From Body Floor	1
71.	Custom Platform Rest - Pivot Style With Rubber Tube	1
72.	Lower Boom Rest Weldment	1
73.	Mounting Brackets for Lights, Located on Lower Boom Rest	1
74.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4
75.	Custom Outrigger Pad Holder - Aluminum outrigger pad holder - To hold 24x24x1 inch pads - Install two (2) under the body on each side	4
76.	Mud Flaps With Altec Logo (Pair)	1
77.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	2
78.	Custom Grab Handle - Aluminum Grab Handle - Install on each side of tailshelf at rear - Handle goes from top-rear of body to rear edge of tailshelf floor	2



<u>Item</u>	<u>Description</u>	<u>Qty</u>
79.	Slope Indicator Assembly For Machine With Outriggers	1
80.	Water Cask Bracket Only, For 3 or 5 Gallon (Wire Type)	1
81.	Water Cask 5 Gallon (Plastic)	1
82.	Custom Wire Rack/Reel - Soft Copper Wire Spool Holder - To hold 2 to 3 reels - Reels are 12 inch diameter - Exact style and location to be determined	1
83.	Triangular Reflector Kit, Shipped Loose	1
84.	Custom Safety Equipment - First Aid Kit - Zee #42 Model - Ship loose with truck	1
85.	5 LB Fire Extinguisher With Heavy Duty Bracket, Installed - Installed in cab, exact location determined at customer inspection	2
86.	Vinyl manual pouch for storage of all operator and parts manuals	1
87.	Additional Body/Chassis Accessory - Reese Square Hitch Receiver - Install two (2) at the rear, with one (1) mounted to the outside of the chassis frame rail on each side.	2
88.	Additional Body/Chassis Accessory - Horizontal Vise Mounting Bracket - To be used with Reese receiver hitch at rear.	1
89.	Additional Body/Chassis Accessory - Horizontal Ring Style Cone Holder - To be used with Reese receiver hitch at rear. - Cones to be stored in an inverted style	1
90.	Additional Body/Chassis Accessory - Aluminum Treadplate Ladder Enclosed Ladder Box - 108 inches L x 18 inches W x 10 inches H - Rear roller and restraining strap - Install on top of streetside compartment top	2
91.	Additional Body/Chassis Accessory - Aluminum Treadplate Storage Box - 108 inches L x 18 inches W x 10 inches H - Install on top of curbside compartment top - One (1) independently top opening lids, weatherproof - Aluminum gripstrut on top - Gap props - Locking hasps	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	- Drains - Vented - Lined with rubberized coating on bottom and sides	
92.	Additional Body/Chassis Accessory - Aluminum U-Shaped Grab Handle - Install at curbside rear top of storage box to assist in operator access to platform	1
93.	Additional Body/Chassis Accessory - Strand Wire Reel Carrier - 14 inches H x 20 inches W - Install at rear tailshelf - Exact location and size determined at drawing review	1
94.	Additional Body/Chassis Accessory - Aluminum Bicycle Rack Style For Wire Storage - Included four (4) storage slots - Ship loose with unit	1
95.	Additional Body/Chassis Accessory - Roboreel #5478 Triplex Wire Reel - Ship loose with unit	1
96.	Additional Body/Chassis Accessory - Aluminum Material Rail - 72 inches L - Four (4) sliding hooks - Installed in cargo, exact location determined at drawing	1

Electrical Accessories

97.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights) - Truck Lite Brand	1
98.	Custom Strobe Light - Whelen L32LAF Super LED Beacons - Install one (1) on each side of the boomrest, visible above the cab - All strobes wired to one switch in cab	2
99.	4-Corner Strobe Lighting, Amber LED - All strobes to be on one (1) switch in cab A. Two (2) Surface Mounted Lights in Front Grille B. Two (2) Round Grommet Mounted Lights at Rear	1
100.	Post mounted spotlight, halogen, mounted on driver's side of cab	1
101.	Post mounted spotlight, halogen, mounted on passenger's side of cab	1
102.	Cargo Light, LED, 4" DIA, Grommet Mounted - Install one (1) at side access walkway - Install two (2) on curbside cargo wall mounted high on the wall	4



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	- Install one (1) at the rear of the cargo area - Wired to one (1) weatherproof switch at the side access walkway	
103.	Custom Remote Spot/Flood - GoLight Model 3067 Spotlight - Includes wireless dash mounted controller and wireless remote control - Install one (1) on curbside of front boom rest, visible above the cab - Install one (1) on hood offset to curbside	2
104.	Dual Tone Back-Up With Outrigger Motion Alarm	1
105.	Altec Standard Multi-Point Grounding System	4
106.	Grounding Reel, Automatic Retracting, Hannay - Holds #2 GA, #1/0 GA (Max 75'), Or #2/0 GA Cable (Max 65') - Install above curbside front outrigger, mounted to a bracket	1
107.	Grounding Cable, 1/0 GA Yellow Jacketed Cable	40
108.	Grounding Clamp, Aluminum C-Clamp Style With Smooth Jaws (Includes Ferrule and Heat Shrink Tubing)	1
109.	PTO Hour Meter, Digital, with 10,000 Hour Display	1
110.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1
111.	Relocate Trailer Receptacle Supplied With Chassis	1
112.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
113.	Custom Inverter - Dimensions 12U12U 1200 Watt Inverter - Installed inside chassis cab - Switch in cab to control inverter	1
114.	Aluminum Battery Enclosure - Install above streetside outrigger - Relocate chassis batteries to this box	1
115.	120 Volt GFCI Receptacle Includes Weather-resistant Enclosure - Install on curbside rear body panel.	1
116.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1
117.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1
118.	Additional Electrical Accessory - All 12 Volt wiring to be color coded, protected with	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	split loom, and secured at regular intervals	
119.	Additional Electrical Accessory - All body lighting connections to be terminated in a TruckLite weatherproof junction box located in an accessible location at rear under body	1

Finishing Details

120.	Non-Focus Factory Build	1
121.	Delivery Of Completed Unit	1
122.	Inbound Freight	1
123.	Finish Paint Body Accessories Above Body Floor Altec White	1
124.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
125.	Custom Undercoating - Line-X Applied Undercoating	1
126.	Apply Non-Skid Coating to all walking surfaces	1
127.	English Safety And Instructional Decals	1
128.	Vehicle Height Placard - Installed In Cab	1
129.	Dielectric test unit according to ANSI requirements.	1
130.	Stability test unit according to ANSI requirements.	1
131.	Placard, HVI-22 Hydraulic Oil	1
132.	TA60 FA Installation	1

Warranty

133.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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Ohio STS Contract

TA60 Standard Retail Price	\$159,459.00
TA60 Ohio STS Discount	<u>-\$9,966.00</u>
TA60 Ohio STS Price	\$149,493.00

Description	Add or Deduct	Price
Material Handling ARM Jib	Add	\$3,579.00
Side Mounted Hydraulic Jib, 90 Degree Rotation	Add	\$3,578.00
2 Yr Extended Warranty (Parts, Labor, Travel)	Add	\$2,066.00
3 Yr Extended Warranty (Parts, Labor, Travel)	Add	\$2,971.00
4 Yr Extended Warranty (Parts, Labor, Travel)	Add	\$3,923.00
2 Yr Extended Warranty (Parts, Labor, NO Travel)	Add	\$1,019.00
3 Yr Extended Warranty (Parts, Labor, NO Travel)	Add	\$1,450.00
4 Yr Extended Warranty (Parts, Labor, NO Travel)	Add	\$1,904.00

60' / 70' Tree Care Articulated Aerial Unit

LR7-60 Aerial Unit



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	ALTEC Model LR7-60 Articulating Overcenter Aerial Device with an insulating lower boom, insulating upper boom and the Altec ISO-Grip insulating system at the boom tip installed behind the cab to include the following features: <ul style="list-style-type: none"> A. Ground to Bottom of Platform Height: 60.3 feet (18.4 meters). B. Working Height: 65.3 feet (19.9 meters). C. Maximum reach to edge of platform with Upper Boom Non- overcenter (working position): 44.8 feet (13.6 meters) at platform height of 28.6 feet (8.7 meters) D. Maximum reach to edge of platform with Upper Boom Overcenter: 48.4 feet (14.8 meters) at platform height of 9.8 feet (3.0 meters) E. Continuous rotation. 	1
2.	Manual Upper Boom Stow Securing System with support cradle and tie down strap.	1
3.	Pedestal	1
4.	Reservoir, 30 Gallon	1
5.	Sight and Temperature gauge for hydraulic reservoir - Sight Gauge, Remote Mounted	1
6.	Single, One (1) Man, Fiberglass Platform; fixed side mounted. 24 x 24 x 39 inches.	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	Altec Patented ISO-Grip Insulating, Proportional Speed, Upper Control Handle - with safety interlock and interlock guard. Located on the side of the platform nearest the upper boom, mounted on the shaft. Forward/back operates lower boom down/up, tiller operates rotation CW/CCW, and up/down operates upper boom up/down.	
7.	One (1) Platform Step - located on the side of the platform nearest the elbow in the stowed position	1
8.	Hydraulic Tool Circuit at Platform: Two (2) sets of tool couplers for open center tools, located on the side of the platform nearest the elbow in the stowed position. Tool system relief pressure set at 2,250 psi.	1
9.	Primary A-Frame Outriggers with 5-degree swivel shoe. For installation on a 36 to 40 inch chassis frame height. <ul style="list-style-type: none"> A. Maximum Spread: 140 inches to the outer edge of shoes B. Ground Penetration: 7 to 11 inches depending on chassis frame height C. Outrigger/Unit Selector Valve D. Outrigger Control Valves: located on the outrigger legs E. Outrigger Motion Alarms F. Outrigger Interlocks: will not allow the unit to be operated until the outriggers have been at least partially deployed 	1
10.	Hydraulic Outrigger Control Valves	1
11.	Insulating Aerial Device, ANSI Category C, 46kV and Below	1
12.	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	1
13.	Bolt On Grab Handle for Turntable	1
14.	Altec Aerial Device Powder Painted White	1
<u>Unit & Hydraulic Acc.</u>		
15.	HVI-22 Hydraulic Oil (Standard).	35
16.	Standard Pump For PTO	1
17.	Hot shift PTO for automatic transmission	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
18.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1

Body

19.	Altec Chip Dump Body 14.5 cubic yard capacity, 96 inches wide x 60 inches high x 132 inches long (2438 x 1524 x 3353 mm) with ladder box on curb side of body and single piece tailgate	1
	<ul style="list-style-type: none">A. Structural Channel stringers and floor channel.B. 12 gauge minimum floor plate.C. 14 gauge minimum sides and front with full length die-formed reinforcing ribs.D. 14 gauge roof.E. Rear top and sides of body reinforced for lower boom support.F. 26-1/2 inches (673 mm) high tailgate, hinged curb side with provision to hold open for dumping.G. 12 gauge minimum rear under body skirt panel.H. Class "C" Hydraulic hoist, installed, with 45 degree dump angle and body prop.I. LED lighting package, security-mounted, with wiring harness in automotive type loom.J. Two(2) LED strobes mounted in the upper rear corners of the dump body.K. Curb side built-in ladder compartment, 12 inches wide x 25 inches high (305 x 635 mm) with rear roller and internal security chain.L. Pole pruner compartment, 11 inches high (279.4 mm), above ladder compartment with dual shelves and rear locking door. Upper section of rear door has a notchM. Interior of chip body finished with scratch and corrosion resistant linerN. Underside of chip body undercoated (except stringer channels).O. Painted White	

20.	Altec T-66 Thru Box with curbside and streetside compartments containing the following:	1
	<ul style="list-style-type: none">A. Streetside: Single compartment (66 inches long x 50 inches high x 26.5 inches deep) with two (2) barn-style doors and one (1) vertical door. Two (2) full width shelves fixed at 11 inches and 25 inches from top. Rubber matting (0.125 inch thick) in bottom on left side for chainsaw storage. Right side has access to horizontal thru compartment extending to curbside.B. Curbside: Single compartment (41 inches long x 50 inches high x 26.5 inches deep) with two (2) barn-style 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 streetside with vertical partitions spaced 10 inches, 6 inches and 9 inches wide with drop-down door. Access	



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	step to T-box compartment top.	
C.	Standard features: Bolt-on rotary slam door locks. Gas shock door holders. Door locks are single point with locking cylinders. Finish paint interior compartments the same as exterior. Integrated locking system installed.	
D.	Painted White	

Body and Chassis Accessories

21.	Cab Guard, 140" L, 12 GA Sheet Metal With Non-Skid Surface And Expanded Metal Section At Front, Black Gator Hyde Coating	1
A.	Cab Guard Mounting Kit	
B.	Front Supports For Cab Guard	
22.	ICC (Underride Protection) Bumper Installed At Rear	1
23.	T-100 Style Pintle Hitch (30,000 LB)	1
24.	Set of Safety Chain Loops, Fixed Mounting (Forestry Applications)	1
25.	Rigid Access Step Under Through Box Side Access Platform	1
26.	Cab Guard Access Stirrup Step(s) With Grab Handle At Curbside Rear Of Cab Guard	1
27.	Platform Rest, Rigid with Rubber Tube	1
28.	Wood Outrigger Pad, 19.5" x 19.5" x 2.25", With Fluorescent Orange Steel Collar Around The Outer Edges And Chain Handle	2
29.	Custom Outrigger Pad Holder - Outrigger Pad Holder, 20"L x 20"W x 3.5"H, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer, Steel	2
30.	Mud Flaps With Altec Logo (Pair)	1
31.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
32.	Wheel Chock Holders (Pair), For Installation Under Flatbed Or Dump Body	1
33.	Grab Handle Installed On Top Of Curbside Rear Through Box Compartment	1
34.	Small Grab Handle Installed On Front Of Dump Body At Through Box Side Access Platform	1
35.	Slope Indicator Assembly For Machine With Outriggers	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
36.	Cone Holder, Horizontal Style with Vertical Pivot (Un-folds Upwards), For Mounting On Front Bumper (Holds up to four 15"x15" large cones)	1
37.	Driveaway Safety Kit	1
38.	Vinyl manual pouch for storage of all operator and parts manuals	1

Electrical Accessories

39.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
40.	4-Corner Strobe Lighting, Amber LED, Two (2) Round Grommet Mounted Lights in Front Corners of Cab Guard and Two (2) Round Grommet Mounted Lights at Rear - Wired Battery Hot	1
41.	Dual Tone Back-Up With Outrigger Motion Alarm	1
42.	6-Way Trailer Receptacle (Pin Type) Installed At Rear	1
43.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
44.	Install Outrigger Interlock System	1
45.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1
46.	PTO Indicator Light Installed In Cab	1

Finishing Details

47.	Focus Factory Build	1
48.	Delivery Of Completed Unit	1
49.	Inbound Freight	1
50.	Powder Coat Unit Altec White	1
51.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc. Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
52.	Apply Non-Skid Coating to all walking surfaces	1
53.	English Safety And Instructional Decals	1
54.	Vehicle Height Placard - Installed In Cab	1
55.	Dielectric test unit according to ANSI requirements.	1
56.	Stability test unit according to ANSI requirements.	1
57.	Placard, HVI-22 Hydraulic Oil	1
58.	Installation - LR7-60 Aerial Device	1

Warranty

59.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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LR7-60 Standard Retail Price	\$83,438.00
Ohio STS Discount	<u>-\$4,172.00</u>
LR7-60 Ohio STS Price	\$79,266.00

Description	Add or Deduct	Price
70' Aerial Unit With Elevator (LR7-60E70)	Add	\$26,992.00
60' Rear Mount Unit (LR7-60RM)	Add	\$5,198.00
70' Rear Mount Aerial Unit With Elevator (LR7-60E70RM)	Add	\$29,868.00
Platform Mounted Multi-Handle Controls	Add	\$1,024.00
Single One-Man Platform, 90 Degree Rotation, Hydraulic Platform Tilt	Add	\$6,001.00
Custom Color Above Rotation And Pedestal	Add	\$2,300.00
Custom Color Body And Accessories	Add	\$2,000.00
Rustproof Bottom Of Body	Add	\$1,400.00

45' / 47' Standard Duty Digger Derrick DM45 Digger Derrick



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	ALTEC Standard Duty DM45 foot Digger Derrick with hydraulic extending full capacity intermediate and upper booms. Built in accordance with standard specifications and to include the following features: <ul style="list-style-type: none"> A. Pole Setting Sheave Height: 44.4 feet B. Maximum Horizontal Reach from centerline of rotation: 35.0 feet C. Digging Radius from centerline of rotation: 16.0 to 24.8 feet D. Lift Capacity at 10 Ft. Radius: 12,970 lbs. (Without optional equipment installed). See complete load chart for capacities with installed options. E. Boom Articulation: -20 to 80 degrees F. Continuous Rotation with high capacity worm gear drive gearbox 	1
2.	Rear mount pedestal	1
3.	Rear Mount - Traditional Control Seat, installed on curb side of turntable, includes single control station	1
4.	Turntable Mounted Winch	1
5.	Winch: Normal Speed with 15,000 lbs. bare drum capacity.	1
6.	Digger, Two-Speed Mechanical Shift, 12,000 ft-lbs. Includes a rapid reversing shake feature for quick and convenient cleaning of dirt from the auger and all of the components necessary to operate digger, installed.	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
7.	2.50 in Hex Output Shaft With 2.50 in Hex Extension Shaft	1
8.	Digger Storage: located on the Street Side (Normal) (NOTE: for behind the cab mount derricks, the digger will be located on the curbside) Nylon auger wind up strap included.	1
11.	Foot throttle.	1
12.	Standard Hydraulic Side Load Protection: relieves overload conditions by allowing rotation system to back drive. Activates when the unit is exposed to an overload condition. System prevents actuation of all functions that could increase the overload condition. System automatically resets when overload condition is relieved - Boom Lower - Intermediate Boom Extend - Third Stage Boom Extend - Winch Raise - Digger Dig	1
13.	Code 450 Outriggers, A-frame, folding shoe, 153 maximum spread, for use as auxiliary or primary outriggers A. Maximum Spread: 153 inches measured from centerline of shoe pins B. Penetration at maximum extension: 6.5 inches (for standard installation on a 40 inch frame height) C. Standard Shoe Dimensions: 14 x 15.25 inches D. Hydraulic Outrigger Control Valves E. Outrigger/Unit Selector Control: Reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped. F. Outrigger motion alarms G. Outrigger Interlocks: will not allow the unit to be operated until the outriggers have been at least partially deployed.	1
14.	Code 450: Outriggers, A-frame, folding shoe, 153 maximum spread, for use as auxiliary outriggers on all units or primary outriggers on select units, includes: A. Maximum Spread: 153 inches measured from centerline of shoe pins B. Penetration at maximum extension: 6.5 inches (for standard installation on a 40 inch frame height) C. Standard Shoe Dimensions: 14 x 15.25 inches D. Hydraulic Outrigger Control Valves E. Outrigger/Unit Selector Control: Reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped. F. Outrigger motion alarms G. Outrigger Interlocks: Will not allow the unit to be operated until the outriggers have been at least partially deployed.	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Unit & Hydraulic Acc.</u>		
15.	Unit Installation Components.	1
16.	Dirt Auger, 18" Dia., With 2-1/2" Hex X 104" Long	1
17.	Winch Rope For Turntable Winch	1
18.	Load Line Swivel Hook, 8-1/2 Ton (Crosby)	1
19.	Standard 1" Space between Subbase and frame for hose routing and ease of maintenance.	1
20.	Derrick Subbase (Rigid)	1
21.	Subbase Storage With Drop Down Door (Paddle Latch) At Rear	1
22.	Insert Subbase Stop At 10'	1
23.	Reservoir, 60 Gallon, (Altec Standard)	1
24.	Temperature Sight Gauge .	1
25.	HVI-22 Hydraulic Oil (Standard).	65
26.	Piston Pump, Pressure Compensated, right hand rotation, provides 43 gpm max system flow at 3000 psi max system pressure	1
27.	Hot shift PTO for automatic transmission	1
28.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1
<u>Body</u>		
29.	142 inch Universal Bobtail Service Line Body, suitable for installing on any 4x2 chassis with an appropriate CA dimension of 120 inches, built in accordance with the following specifications:	1
	A. Basic body fabricated from A40 grade 100% zinc alloy steel.	
	B. All doors are full, double paneled, self-sealed with built-in drainage for maximum weather-tightness. Stainless steel hinge rods extend full length of door.	
	C. All doors are to contain stainless steel flush type, single point, two-stage rotary paddle	

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	latches with recessed handles, including keyed locks and strikers. door latches are bolted to the outer door panel.	
D.	Heavy-gauge welded steel frame construction with structural channel crossmembers and tread plate floor.	
E.	All edges are either rolled or folded for strength and safety.	
F.	Integrated door header drip rail at top for maximum weather protection.	
G.	Fender panels are either roll formed or have neoprene fenderettes mechanically fastened.	
H.	Steel treated for improved primer bond and rust resistance.	
I.	Automotive underseal applied to entire underside of body.	
J.	White primer applied to complete interior and exterior of body.	
K.	Automotive type non-porous door seals mechanically fastened to the door facing.	
L.	142 inch overall body length.	
M.	94 inch overall body width.	
N.	46 inch overall body height.	
O.	18 inch body compartment depth.	
P.	Body finish paint color - Altec White.	
Q.	Finish paint body at body manufacturer.	
R.	2 inch x 4 inch drop-in wood cargo retaining board at rear of body.	
S.	2 inch x 4 inch drop-in wood cargo retaining board at top of side access step.	
T.	Gas shock type rigid door holders for vertical doors.	
U.	Standard master body locking system.	
V.	One (1) wheel chock holder installed in fender panel on each side of body.	
W.	Hotstick shelf extending full length of body on streetside.	
X.	Two (2) hotstick brackets installed on streetside.	
Y.	Standard size side-hinged hotstick door installed on streetside.	
Z.	1st vertical streetside (LH) - Three (3) adjustable shelves with removable dividers on 4 inch centers.	
AA.	2nd vertical streetside (LH) -Six (6) locking swivel hooks on adjustable rails. 1-4-1 configuration.	
AB.	3rd vertical streetside (LH) - Six (6) locking swivel hooks on adjustable rails. 1-4-1 configuration.	
AC.	1st horizontal streetside (LH) - One (1) stationary shelf with adjustable divider slots.	
AD.	1st vertical curbside (RH) - Six (6) locking swivel hooks on adjustable rails. 1-4-1 configuration.	
AE.	2nd vertical curbside (RH) - Gripstrut access steps with two (2) sloped grab handles.	
AF.	3rd vertical curbside (RH) - Six (6) locking swivel hooks on adjustable rails. 2-2-2 configuration.	
AG.	1st horizontal curbside (RH) - Two (2) fixed shelves with removable dividers on 8 inch centers.	
AH.	Compartment top access step installed on curbside.	
AI.	34 inch long x 94 inch wide steel tailshelf, with 3 inch high retainer rail around sides and rear, installed at rear of body.	
AJ.	Four (4) recessed D-rings installed in body floor, one (1) at each corner.	



<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Body and Chassis Accessories</u>		
30.	34" L Steel Tailshelf, Width to Match Body	1
31.	ICC (Underride Protection) Bumper Installed At Rear	1
32.	T-125 Style Pintle Hitch (30,000 LB MGTW with 6,000 LB MVL)	1
33.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
34.	Cable Step Installed At Rear, Double Step with Rigid Top Step - Install on streetside of tailshelf	1
35.	Rigid Step Mounted Beneath Side Access Steps (Installed To Extend Approx. 2" Outward)	1
36.	Compartment Top Access Step from Body Floor	1
37.	Riding Seat Access Step (For Derricks)	1
38.	Lower Boom Rest Weldment	1
39.	Mounting Brackets for Lights, Located on Lower Boom Rest	1
40.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4
41.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4
42.	Mud Flaps With Altec Logo (Pair)	1
43.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
44.	U-Shaped Grab Handle - Install on streetside of tailshelf	2
45.	Slope Indicator Assembly For Machine With Outriggers	1
46.	Triangular Reflector Kit, Installed	1
47.	5 LB Fire Extinguisher With Light Duty Bracket, Shipped Loose	1
48.	Vinyl manual pouch for storage of all operator and parts manuals	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Electrical Accessories</u>		
49.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
50.	Altec Standard Amber LED Strobe Light with Brush Guard - Install on streetside of boomrest	1
51.	Dual Tone Back-Up With Outrigger Motion Alarm	1
52.	Altec Standard Multi-Point Grounding System	4
53.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1
54.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
55.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)	1
56.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1
<u>Finishing Details</u>		
57.	FA Installation	1
58.	Non-Focus Factory Build	1
59.	Delivery Of Completed Unit	1
60.	Inbound Freight	1
61.	Finish Paint Body Accessories Above Body Floor Altec White	1
62.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
63.	Apply Non-Skid Coating to all walking surfaces	1
64.	English Safety And Instructional Decals	1
65.	Vehicle Height Placard - Installed In Cab	1
66.	Dielectric test unit according to ANSI requirements.	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
67.	Stability test unit according to ANSI requirements.	1
68.	Placard, HVI-22 Hydraulic Oil	1

Warranty

69.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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Altec Standard Duty 45' Digger Derrick Standard Retail Price	\$123,415.00
Ohio STS Discount	<u>-\$6,170.00</u>
Altec Standard Duty 45'Digger Derrick Ohio STS Price	\$117,245.00

Description	Add or Deduct	Price
DM47 Standard Duty Digger Derrick In Lieu of DM45	Add	\$1,906.00
Full pressure hydraulic control system, in lieu of the electro-hydraulic system (only available on the standard duty 45' & 47' digger derrick)	Deduct	-\$1,369.00
DH48 Medium Duty Digger Derrick in lieu of the DM45 standard duty Derrick	Add	\$13,983.00
24" x 24" x 42" Pin On Fiberglass Platform	Add	\$830.00
Boomtip Winch	Add	\$680.00
Altec RotaFloat System	Add	\$952.00
Altec Opti-View Seat In Lieu Of Standard Riding Seat	Add	\$1,207.00
Joystick Control Panel In Lieu Of Standard Riding Seat	Add	\$707.00
Radio Remotes Controls	Add	\$8,500.00
Docking Station For Radio Remotes	Add	\$341.00
No hard wired upper controls, but with tool circuit at boom tip	Add	\$805.00
Four-Lever Upper Controls and Tool Circuit, Transferable and Pullout	Add	\$4,146.00
Steel Sliding Control Console Cover	Add	\$550.00
Jib, 4.8' Material Handling, Manual Articulation	Add	\$1,305.00
Steel T-Box and Flatbed	Deduct	-\$908.00
Altec Fiberglass Body with Aluminum Treadplate	Add	\$11,412.00
Custom Color Above Rotation And Pedestal	Add	\$2,300.00
Custom Color Body And Accessories	Add	\$2,000.00
Rustproof Bottom Of Body	Add	\$1,400.00
Gatorhyde Protection Paint, Cargo And Tailshelf Area	Add	\$3,400.00

50' / 60' Heavy Duty Derrick D3050 Digger Derrick



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	ALTEC 50' D3050 Heavy-Duty Digger Derrick with hydraulic extending full capacity intermediate and upper booms. Built in accordance with standard specifications and to include the following features: <ul style="list-style-type: none"> A. Pole Setting Sheave Height: 49.6 feet B. Maximum Horizontal Reach from centerline of rotation: 40.2 feet C. Digging Radius from centerline of rotation. Minimum: 18.7 feet, Maximum: 28.7 feet D. Lift Capacity at 10 Ft. Radius: 15,479 lbs. (Without optional equipment installed). See complete load chart for capacities with installed options. Designed and tested to meet safety factors in accordance with ANSI 10.31. E. Boom Articulation: -15 to 80 degrees F. Insulated, 46 KV and below G. Continuous Rotation: with planetary drive gearbox 	1
2.	5 Rear Mount Over Rear Axle available on all units	1
3.	168 - Rear Mount Traditional Control Seat, installed on curb side of turntable, includes single control station	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
4.	8 - Turntable Winch	1
5.	11 - Normal winch speed (15,000 lbs)	1
6.	94 - Digger, Two-Speed Mechanical Shift, 12,000 ft-lbs, includes all of the components necessary to operate digger, installed	1
7.	2.50 in Hex Output Shaft With 2.50 in Hex Extension Shaft	1
8.	88 - Digger - right-hand storage, viewing from boom tip - streetside for rear and corner mount, curbside for behind cab mount - normal. Includes Auger Overstow Protection System	1
9.	175 - ANSI use criteria, Digger Derrick use only (no Personnel Handling)	1
11.	31 - Foot throttle. Included when Altec Opti-View Control Seat is selected.	1
12.	No hard wired upper controls and NO TOOL CIRCUIT at boom tip	1
13.	Standard Pole Guides for 18.00 in Dia Pole Maximum	1
14.	Hydraulic Side Load Protection: relieves overload conditions by allowing rotation system to back drive. Activates when the unit is exposed to an overload condition. System prevents actuation of all functions that could increase the overload condition. System automatically resets when overload condition is relieved <ul style="list-style-type: none">- Boom Lower- Intermediate Boom Extend- Third Stage Boom Extend- Winch Raise- Digger Dig	1
15.	46 - Outriggers, Radial, folding shoe, with 183 maximum spread for use as auxiliary or primary outriggers	1
16.	451 - Outriggers, A-Frame, Folding Shoe, 153" Max Spread, approx. 1325 lbs installed	1
17.	Powder coat unit Altec White.	1
<u>Unit & Hydraulic Acc.</u>		
18.	Unit Installation Components.	1
19.	Dirt Auger, 24" Dia., With 2-1/2" Hex X 104" Long	1
20.	Winch Rope For Turntable Winch	1
21.	Load Line Swivel Hook, 8-1/2 Ton (Crosby)	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
22.	Standard 1" Space between Subbase and frame for hose routing and ease of maintenance.	1
23.	Derrick Subbase (Rigid)	1
24.	Subbase Storage With Drop Down Door (Paddle Latch) At Rear	1
25.	Insert Subbase Stop At 10'	1
26.	Temperature Sight Gauge	1
27.	HVI-22 Hydraulic Oil (Standard).	1
28.	Piston Pump, Pressure Compensated, right hand rotation, provides 43 gpm max system flow at 3000 psi max system pressure	1
29.	Hot shift PTO for automatic transmission	1
30.	Standard PTO/Transmission Functionality for Automatic Transmissions - If chassis is in gear, and PTO switch is activated, PTO will not engage. Chassis will remain in gear. If chassis is already in neutral with PTO engaged and operator tries to shift into gear, PTO will disengage and transmission will shift into gear.	1

Body

31.	178 inch Flatbed, suitable for installing on any 6x4 or 6x6 chassis with an approximate CT dimension of 138 inches, built to the following specifications: <ul style="list-style-type: none">A. Basic body fabricated from A40 grade 100% zinc alloy steel.B. All edges are either rolled or folded for strength and safety.C. Steel treated for improved primer bond and rust resistance.D. White primer applied to complete exterior of flatbed.E. Flatbed finish paint color - Altec White.F. Finish paint flatbed at body manufacturer.G. All steel flatbed, 178 inches long x 96 inches wide.H. Floor made from 1/8 inch thick treadplate.I. Frame built with 4 inch high structural channel.J. 3 inch high x inch thick rail installed around perimeter of flatbed.K. Gripstrut recessed access steps to cargo area on curbside. Includes two grab handles, one on each side of access steps, to meet Altec's access and egress standards.L. 2 inch x 6 inch drop-in wood cargo retaining board at top of side access steps.M. Notched outside of rail for tire clearance.	1
32.	Altec Thru Box tool compartment 42 inches long x 46 inches high x 96 inches wide, with 18 inch	1

<u>Item</u>	<u>Description</u>	<u>Qty</u>
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deep curbside and streetside compartments, with the following compartmentation:

- A. Basic body fabricated from A40 grade 100% zinc alloy steel.
- B. All doors are full, double paneled, self-sealed with built-in drainage for maximum weather-tightness. Stainless steel hinge rods extend full length of door.
- C. All doors are to contain stainless steel flush type, single point, two-stage rotary paddle latches with recessed handles, including keyed locks and strikers. door latches are bolted to the outer door panel.
- D. Heavy-gauge welded steel frame construction with structural channel crossmembers and tread plate floor.
- E. All edges are either rolled or folded for strength and safety.
- F. Integrated door header drip rail at top for maximum weather protection.
- G. Steel treated for improved primer bond and rust resistance.
- H. White primer applied to complete interior and exterior of T-box.
- I. Automotive type non-porous door seals mechanically fastened to the door facing.
- J. 42 inch overall T-box length.
- K. 96 inch overall T-box width.
- L. 46 inch overall T-box height.
- M. 18 inch T-box compartment depth.
- N. T-box finish paint color - Altec White.
- O. Finish paint T-box at body manufacturer.
- P. Gas shock type rigid door holders for vertical doors.
- Q. Standard master body locking system.
- R. 1st vertical streetside (LH) - One (1) plain fixed through shelf.
- S. 1st vertical streetside (LH) - Four (4) locking swivel hooks on adjustable rails. 2-0-2 configuration.
- T. 2nd vertical streetside (LH) - Four (4) locking swivel hooks on adjustable rails. 2-0-2 configuration.
- U. 1st vertical curbside (RH) - One (1) plain fixed through shelf.
- V. 1st vertical curbside (RH) - Four (4) locking swivel hooks on adjustable rails. 2-0-2 configuration.
- W. 2nd vertical curbside (RH) - Three (3) adjustable shelves with removable dividers on 4 inch centers.
- X. 4 inch high punched-metal retainer rail installed on front and both sides of T-box compartment top.

33.	Manually actuated outrigger control valve mounting provisions located under rear corners of body/tail shelf. Control boxes protected by eyebrows and lower handle guards.	1
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Body and Chassis Accessories

34.	34" L Steel Tailshelf, Width to Match Body	1
35.	ICC (Underride Protection) Bumper Installed At Rear	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
36.	T-125 Style Pintle Hitch (30,000 LB MGTW with 6,000 LB MVL)	1
37.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
38.	Cable Step Installed At Rear, Double Step with Rigid Top Step	1
39.	Rigid Step Mounted Beneath Side Access Steps (Installed To Extend Approx. 2" Outward)	1
40.	Riding Seat Access Step (For Derricks)	1
41.	Plastic Outrigger Pad, 24" x 24" x 1", Black With Handle	4
42.	Outrigger Pad Holder, 25" L x 25" W x 3" H, Fits 24.5" x 24.5" x 2" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	4
43.	Mud Flaps With Altec Logo (Pair)	1
44.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
45.	Wheel Chock Holders (Pair), For Installation Under Flatbed Or Dump Body	1
46.	U-Shaped Grab Handle	2
47.	Slope Indicator Assembly For Machine With Outriggers	1
48.	Triangular Reflector Kit, Installed	1
49.	5 LB Fire Extinguisher With Light Duty Bracket, Shipped Loose	1
50.	Vinyl manual pouch for storage of all operator and parts manuals	1

Electrical Accessories

51.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
52.	Altec Standard Amber LED Strobe Light with Brush Guard - Install on streetside of boomrest	1
53.	Dual Tone Back-Up With Outrigger Motion Alarm	1
54.	Altec Standard Multi-Point Grounding System	5
55.	7-Way Trailer Receptacle (Pin Type) Installed At Rear	1
56.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
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Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual)

57.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1
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Finishing Details

58.	FA Installation	1
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59.	Non-Focus Factory Build	1
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60.	Delivery Of Completed Unit	1
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61.	Inbound Freight	1
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62.	Powder Coat Unit Altec White	1
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63.	Finish Paint Body Accessories Above Body Floor Altec White	1
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64.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
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65.	Apply Non-Skid Coating to all walking surfaces	1
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66.	English Safety And Instructional Decals	1
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67.	Vehicle Height Placard - Installed In Cab	1
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68.	Dielectric test unit according to ANSI requirements.	1
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69.	Stability test unit according to ANSI requirements.	1
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70.	Placard, HVI-22 Hydraulic Oil	1
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Warranty

71.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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Altec 50' Heavy-Duty Digger

\$157,197.00



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	Derrick Standard Retail Price	
	Ohio STS Discount	-(\$7,860.00)
	Altec 50' Heavy-Duty Digger Derrick Ohio STS Price	\$149,337.00

Description	Add or Deduct	Price
45' Heavy-Duty Digger Derrick In Lieu of 50'	Deduct	-(\$9,923.00)
60' Heavy-Duty Digger Derrick In Lieu of 50'	Add	\$3,088.00
50' Extra Heavy-Duty Digger Derrick In Lieu of 50' Heavy-Duty Digger Derrick	Add	\$6,605.00
60' Extra Heavy-Duty Digger Derrick In Lieu of 50' Heavy-Duty Digger Derrick	Add	\$8,157.00
Extended Reach (165") Auxiliary A-Frame Outrigger, In lieu of the 153" A-Frame Auxiliary outrigger	Add	\$2,683.00
Radial Auxiliary Outrigger, in lieu of the A-Frame type	Add	\$3,956.00
Hydraulic Out And Down Outriggers (primary and auxiliary)	Add	\$12,745.00
Boom Rotation Interlock System (recommended when the hydraulic out and down outriggers are selected)	Add	\$1,188.00
Outrigger Interlock System Override	Add	\$256.00
24" x 24" x 42" Pin On Fiberglass Platform	Add	\$830.00
Boomtip Winch	Add	\$1,379.00
Altec RotaFloat System	Add	\$952.00
Electronic Side Load Protection	Add	\$302.00
Altec Opti-View Seat In Lieu Of Standard Riding Seat	Add	\$1,207.00
Joystick Control Panel In Lieu Of Standard Riding Seat	Add	\$707.00
Radio Remotes Controls	Add	\$8,500.00
Docking Station For Radio Remotes	Add	\$341.00
No hard wired upper controls, but with tool circuit at boom tip	Add	\$805.00
Four-Lever Upper Controls and Tool Circuit, Transferable and Pullout	Add	\$4,963.00
Steel Sliding Control Console Cover	Add	\$550.00
Pole Guides for 24" Diameter Poles	Add	\$380.00
Jib, 4.8' Material Handling, Manual Articulation	Add	\$1,305.00
Aluminum Flatbed In Lieu of Steel	Add	\$2,250.00
Aluminum Thru Box In Lieu of Steel	Add	\$2,250.00
Steel Full Line Body In Lieu of T-Box/Flatbed	Add	\$7,130.00
Fiberglass Line Body In Lieu of Steel T-Box/Flatbed	Add	\$17,444.00
Fiberglass Thru Box In Lieu of Steel	Add	\$4,419.00
Custom Color Above Rotation And Pedestal	Add	\$2,300.00
Custom Color Body And Accessories	Add	\$2,000.00



Ohio STS Contract

Rustproof Bottom Of Body	Add	\$1,400.00
Gatorhyde Protection Paint, Cargo And Tailshelf Area	Add	\$3,400.00

37' Backyard Derrick (DB) DB37 Digger Derrick



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</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> <ul style="list-style-type: none"> A. Maximum sheave height is 36.7 feet (without jib), maximum sheave height is 44.6 feet (with jib), maximum horizontal reach is 30.2 feet, maximum digging radius is 19.5 feet, boom articulation is -6 degrees below horizontal to 75 degrees below horizontal. B. Digger, single-speed, fully proportional, 2,500 ft-lbs (3390 N-m) - includes all of the components necessary to operate digger (installed). C. Winch, mounted at base end of the main boom - 3,800 pound working capacity (includes cable guides). D. Rope, material handling, 1/2 inch x 90 feet - installed, 3,800 pound rating. Includes eyes at both ends. E. Swivel hook/downhaul weight, 2.75 ton capacity. F. Continuous rotation is given by worm gear drive rotation, equipped with extended shaft for manual rotation. G. Hydraulic auger release. H. Pendant drive controls installed include proportional, independent drive controls for each track, track extend/retract, hi/low speed, and emergency stop. I. Drive control operation from radio or pendant controller. J. Start/stop from radio controls and at lower controls. K. Five (5) function Hydraulic Overload Protection (HOP) system operates from lower control station and radio remote. Visible load indicator gauge at operators platform. L. Outrigger/Unit Selector Control: 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. 	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
M.	Outrigger motion alarm: Provides audible alarm when any of the outriggers are being hydraulically actuated.	
N.	Outrigger/boom interlock system, prevents operation of unit until all outriggers are lowered.	
O.	Tool circuit below rotation: two way, adjustable flow up to 6 GPM @ 2,000 psi. Tool circuit above rotation: adjustable flow up to 4.5 GMP @ 2,000 psi.	
P.	23.5 hp diesel engine and direct drive pump provide hydraulic power for carrier and unit operation.	
Q.	Fuel tank, installed, 6 gallon capacity.	
R.	Hydraulic oil reservoir, 16.8 gallon capacity.	
S.	Pole carrier, one D ring installed on each outrigger leg (2,000 lb capacity).	
T.	Carrier, track driven, skid-steer with retractable tracks and 2 speed hydraulic piston motors providing max travel speed of 100 feet/minute. Tracks have a minimum spread of 34" and maximum spread of 46.8" for safe driving on side slopes of 10 degrees and 15 degrees front to rear.	
U.	Insulated, 46 kV and below.	
V.	Painted white with Altec's powder coat paint process which 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.	
W.	Digger derrick conforms to ANSI A10.31-2006.	
X.	This product is designed and manufactured in facilities that are certified to meet ISO 9001 requirements.	
Y.	ANSI Z535 Safety and Instructional Signs, installed.	
Z.	Two (2) Operators and Maintenance/Parts Manuals.	
2.	DB37 - Radio Remote Lower Controls. Operate all Digger Derrick functions and track drive.	1
3.	Combined Use, Platform/Material Handling	1
4.	Platform docking station for radio controls.	1
5.	No Derrick Tong Protectors	1
6.	Platform - Fiberglass, pin-on, 24 x 24 x 42 nominal. Includes interior/exterior platform access step and mounting bracket. 300 pound platform capacity, platform can be attached to either side of bracket, provides up to 40 foot working height. (Note: Requires radio remote controls and docking station).	1
7.	Outriggers - Four (4) hydraulic operated radial outriggers with pivot shoes. Outriggers are equipped with D-rings to carry up to a 2,000 LB (907 kg) pole on either side of unit, combined total not to exceed 3,000 lbs. Outrigger spread is 8' 8" at front of machine and 10' 8" at the rear of machine. The distance from front outrigger shoe to rear outrigger shoe at maximum spread setup is 10' 8".	1
8.	Jib - Fiberglass, 8 foot material handling (one piece). Manual articulation accomplished utilizing five (5) pinning positions. Includes boom mounting bracket and hardware, pins, and trailer bracket.	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
9.	Platform cover - Soft vinyl, 24 x 24 inches (610 x 610 mm).	1
10.	Platform liner - for single, one-man, side mounted fiberglass platform (24 x 24 x 42). 50kV.	1
11.	Hydraulic Tilting Pole Guides with hydraulic open and close. Provides 60 degrees of articulation.	1
12.	14,000 pound GVWR, tandem axle, steel trailer includes: - Full powder coat black paint, 2 x 6 treated wood decking, and tread-plate dovetail. - Electric brakes, enclosed electrical wiring, LED lighting and 6-way round electric plug wired to SAE standards. - Heavy duty full width, split center, spring assist loading ramps with support legs. - 12K lb. heavy duty jack with drop foot. - 20k adjustable pintle eye hitch. - Heavy duty toolbox with locking latch. - Four (4) D-ring tie downs welded to trailer frame and four (4) heavy duty nylon ratchet tie down straps. - Outrigger pad holders.	1
13.	Black tracks, standard tread. (Note: By nature of the material, rubber will crack due to UV and ozone degradation with age. To minimize this, store tracks or tacked equipment indoors or cover the track to avoid excessive sunlight exposure.)	1
14.	Cargo Platform - Maximum weight capacity of 3,000 lbs.	1
15.	Fall protection system - to include one body harness and deceleration type lanyard.	1
<u>Unit & Hydraulic Acc.</u>		
16.	Dirt Auger, 18 Inch Diameter, 59 Inches in Length, 2 Inch Hex, Dual Flight, Flat Teeth	1
17.	HVI-22 Hydraulic Oil (Standard).	25
<u>Body and Chassis Accessories</u>		
18.	Plastic Outrigger Pad, 24" x 22" x 1", Black With Handle	4
19.	Rubber Wheel Chocks, (1 pair), with metal hair pin handle.	1
20.	5 LB Fire Extinguisher With Light Duty Bracket, Shipped Loose	1
21.	Triangular Reflector Kit, Shipped Loose	1
<u>Finishing Details</u>		
22.	Focus Factory Build	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
23.	Delivery Of Completed Unit	1
24.	Inbound Freight	1
25.	Finish Paint Body Accessories Above Body Floor Altec White	1
26.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
27.	Apply Non-Skid Coating to all walking surfaces	1
28.	English Safety And Instructional Decals	1
29.	Vehicle Height Placard - Installed In Cab	1
30.	Dielectric test unit according to ANSI requirements.	1
31.	Stability test unit according to ANSI requirements.	1
32.	FA Unit Designator - DB37	1

Warranty

33.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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DB37 Standard Retail Price	\$140,500.00
Ohio STS Discount	<u>-\$2,500.00</u>
DB37 Ohio STS Price	\$138,000.00

12' Pressure Digger HD35A-12 Pressure Digger



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	<p>205 Altec HD35A-12: Pressure Digger with 12 foot (3.7 m) digging depth. NOTE: 12 foot is kelly bar length, digging depth is based off of 40 loaded chassis frame height with ALTEC standard pressure digger auger and may vary from chassis to chassis.</p> <ul style="list-style-type: none"> A. Stationary structural frame which mounts to chassis. B. 240 degree revolving frame. C. Auxiliary engine with 50 gallon (189 L) fuel tank and automatic shutdown controls for low oil pressure and high water temperature. Engine hood-mounted gauges include oil pressure, water temperature, and voltmeter. Access ladder from ground and work platform included. D. Hydraulic system with a 6,000 psi (408.2 bar) hydrostatic pump and motor closed-loop system which drives the digging function. E. Hydraulic system with a 2,300 psi (156.5 bar) vane pump and controls for all other functions. F. Diagnostic pressure test quick disconnect couplings. G. Hydraulic reservoir, 90 gallons (340 L). H. Operators control station with arm rest controls. Console-mounted pressure gauges for Charge Pressure, Auger Rotation, Feed Ram, and General System. Folding access ladder. I. Pressure digger mast including 3.5 inch (89 mm) kelly bar and feed ram piston which provides down force up to 35,600 pounds (78,480 kg). J. Altec Inertia Drive System which includes a patented spur gear reduction with an energy storage capability that momentarily increases torque by 15%, which tends to keep the digger turning when the auger hits a rock or other obstruction. Stall torque is 26,000 ft/lbs (35,250 N-m). Momentary torque to 30,000 ft/lbs (40,675 N-m). K. Main digger frame extends and retracts 36 inches (914 mm). L. Mast leveling control provides independent leveling of the mast 20 degrees to right, to 	1

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	left, and to the rear. Includes level indicators.	
	M. Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.	
	O. Pressure digger-contained 12 VDC electrical system provided. Connection available to power outrigger motion alarm.	
	P. Two (2) Operators and two (2) Maintenance/Parts manuals.	
	R. ANSI Z535 safety and instructional signs.	
2.	Tool Handler - 3,700 lb lifting capacity winch and 60-ft of 3/8" wire rope and no pole guides.	1
3.	Structural frame for tandem axle chassis, 120 inch CT. For units with no curbside drop pocket. Cannot be used on a 30-ft digger.	1
4.	Tool Circuit - two (2) sets of quick disconnect couplings (controls at operators station). Includes hose reel and 50 feet (15.2 m) of 3/8 inch (9.5 mm) hose with one set of quick disconnect couplings and control valve on curb side, 1 set of fixed quick disconnect couplings on street side, Parker flat-face couplings with female couplings (FF-371-6FP) on the return lines and male couplings (FF-372-6FP) on the pressure lines.	1
5.	Outrigger - primary modified A-frame, flat-shoe, 110 inch (2794 mm) spread. Controls at operators station.	1
6.	Outrigger - Auxiliary A-frame, flat-shoe, 149 inch (3785 mm) spread. Controls at operators station.	1
7.	Outrigger extensions (for 6X6 applications).	1
8.	340 Engine - John Deere (Tier III) turbocharged 6 cylinder diesel, 155 HP.	1
9.	Water Tank - 100 gallon (378.5 L), with shut-off valve.	1
10.	Auger Stand - 3.5 inch (89 mm) auger post, 10 inches (254 mm) high.	3
11.	Material Storage Box - 18 x 18 x 48 inches wide (457 x 457 x 1219 mm), for street side mounting on stationary frame. Door with key-type lock with two keys. Install one (1) box on streetside and one (1) box on curbside.	2
12.	Umbrella - plastic, 68 inches (1730 mm) diameter.	1
13.	Long ladders for 6X6 installation. Includes ladder to access engine/fuel area and ladder to access operators control station.	1
14.	Rear Window Guard - structure mounted on stationary frame to protect back of cab, 84 inches wide by 60 inches high (2134 x 1524 mm).	1
<u>Unit & Hydraulic Acc.</u>		
15.	Pengo brand auger.	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
16.	12.00 inch diameter rock auger, bullet teeth, 3.50 inch square hub.	1
17.	20.00 inch diameter rock auger, bullet teeth, 3.50 inch square hub.	1
18.	24.00 inch diameter rock auger, bullet teeth, 3.50 inch square hub.	1
19.	30.00 inch diameter rock auger, bullet teeth, 3.50 inch square hub.	1
20.	9-ft nylon sling with eye at each end. Sling is to be shipped loose.	1
21.	HVI-22 Hydraulic Oil (Standard).	130
22.	6-ft hose assembly running from the water tank shut off valve down to the area where the operator can direct water into the hole being drilled. Hose to be shipped Loose.	1
23.	Provisions to pin up the rear mud flaps.	1

Body and Chassis Accessories

24.	T-125 Style Pintle Hitch (30,000 LB MGTW with 6,000 LB MVL)	1
25.	Set Of D-Rings for Trailer Safety Chain, installed one each side of towing device mount.	1
26.	Plastic Outrigger Pad, 24" x 22" x 1", Black With Handle	4
27.	Outrigger Pad Holder, 25" L x 25" W x 5" H, Fits 24.5" x 24.5" x 4" And Smaller Pads, Bolt-On, Bottom Washout Holes, 3/4" Lip Retainer	2
28.	Mud Flaps With Altec Logo (Pair)	1
29.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
30.	Wheel Chock Holders (Pair), For Installation Under Stationary, HD Model	1
31.	5 LB Fire Extinguisher With Light Duty Bracket, Shipped Loose	1
32.	Triangular Reflector Kit, Installed Ship Loose ILO of Installed.	1

Electrical Accessories

33.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
34.	Altec Standard Amber LED Strobe Light with Brush Guard With master switch and indicator light in chassis cab. Strobes to be wired hot to chassis cab battery system. One (1) mounted each side of cabguard.	2



<u>Item</u>	<u>Description</u>	<u>Qty</u>
35.	Dual Tone Back-Up With Outrigger Motion Alarm	1
36.	Altec Standard Multi-Point Grounding System	3
37.	6-Way Trailer Receptacle (Pin Type) Installed At Rear	1
38.	Electric Trailer Brake Controller (Tekonsha Voyager #9030)	1
<u>Finishing Details</u>		
39.	Powder Coat Unit Altec White	1
40.	Finish Paint Body Accessories Above Body Floor Altec White	1
41.	Apply Non-Skid Coating to all walking surfaces	1
42.	English Safety And Instructional Decals	1
43.	Vehicle Height Placard - Installed In Cab	1
44.	Focus Factory Build	1
45.	Delivery Of Completed Unit	1
46.	Installation - HD35A-12	1
<u>Chassis</u>		
47.	Chassis	1
48.	Altec Supplied Chassis	1
49.	2016 Model Year	1
50.	Freightliner M2-106	1
51.	6x4 Tandem Axle	1
52.	126 Clear CA (Round To Next Whole Number) Clear and Usable CT - 126"	1
53.	Regular Cab	1
54.	Chassis Cab	1
55.	Chassis Color - White	1



Ohio STS Contract

56.	Chassis Wheelbase Length - 194 inch	1
57.	Cummins ISL	1
58.	300 HP Engine Rating	1
59.	Allison 3500 RDS Automatic Transmission	1
60.	GVWR 54,000 LBS	1
61.	14,000 LBS Front GAWR	1
62.	40,000 LBS Rear GAWR	1
63.	315/80R22.5 Front Tire	1
64.	11R22.5 Rear Tire	1
65.	Air Brakes	1
66.	Park Brake In Rear Wheels	1
67.	016-1C2 - Freightliner Recommended Exhaust (Right-Horizontal-Under Cab-Vertical)	1
68.	Freightliner Vertical Exhaust To Be Even With Top Of Cab (239-026)	1
69.	No Prewire Chassis	1
70.	No Idle Engine Shut-Down Required	1
71.	No California Emission Requirements	1
72.	Other Fuel Tank Size	1
73.	Other Chassis DEF Tank	1
74.	Front Frame Extensions	1
75.	Other Battery Location BATTERY BOX FRAME MOUNTED	1
76.	Air Conditioning	1
77.	AM/FM Radio	1
78.	Cruise Control	1
79.	Tinted Windshield	1
80.	Block Heater	1
81.	Glad Hands AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS	1



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- 82. Trailer Air Brake Package 1
- 83. Air Ride Drivers Seat 1
- 84. Air Ride Passenger Seat 1
- 85. Additional Chassis Option Electronic Engine Brake. Code 128-076 1
- 86. Additional Chassis Option Master Battery Cut Off Switch. Code 293-058. 1
- 87. Additional Chassis Option 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME. CODE 297-001 1
- 88. Additional Chassis Option AIR TANK 460-058 1
- 89. Additional Chassis Option After frame at 58" 1

Additional Pricing

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

Standard Retail Price With Chassis	\$325,000.00
Ohio STS Discount	-\$1,000.00
Ohio STS Price With Chassis	\$324,000.00

Description	Add or Deduct	Price
17' Digging Depth In Lieu of 12	Add	\$2,040.00
100 Gallon Water Tank With Heater	Add	\$388.00
Kelly Bar Tail Light	Add	\$185.00
Tier 4 Diesel Engine, Orders placed after 12/31/2015 will require tier 4 diesel engine	Add	\$12,382.00

City of Cleveland 50' Digger Derrick Specification

D2050 Digger Derrick



(picture is for reference only and may not have identical specifications)

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	<p>ALTEC Model D2050B; 50 foot Digger Derrick with hydraulic extending full capacity intermediate and upper booms. Built in accordance with standard specifications and to include the following features:</p> <ul style="list-style-type: none"> A. Pole Setting Sheave Height: 50.0 feet B. Maximum Horizontal Reach from centerline of rotation: 40.3 feet C. Digging Radius from centerline of rotation. Minimum: 18.7 feet, Maximum: 28.5 feet D. Lift Capacity at 10 Ft. Radius: 14,747 lbs. (Without optional equipment installed). See complete load chart for capacities with installed options. Designed and tested to meet safety factors in accordance with ANSI 10.31. E. Boom Articulation: -17 to 83 degrees F. Insulated, 46 KV and below G. Continuous Rotation: with planetary drive gearbox H. Side Load Protection: helps prevent overload conditions on rotation system due to excessive side load. I. Hydraulic Overload Protection (HOP) System: activates when the unit is exposed to an overload condition. System prevents actuation of all functions that could increase the overload condition. System automatically resets when overload condition is relieved <ul style="list-style-type: none"> - Boom Lower - Intermediate Boom Extend - Third Stage Boom Extend - Winch Raise - Digger Dig J. Load Indicator Gauge: located at the main control panel, displays the percentage of total allowable lifting capacity being utilized. By use of this gauge, the operator is aware of 	1

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	the hydraulic and structural design rating of the derrick and proximity to the limits during operation.	
K.	Electronic Controls: Intuitive electronic controls with superior metering. Includes a diagnostic port which by connecting a handheld service tool, provides troubleshooting code readouts and the ability to calibrate function speeds and control sensitivity. Electric controls eliminate the risk of high pressure hose leaks near the operator and leak points are minimized throughout the machine.	
L.	Manual override of electronically controlled boom, winch, and digger functions at the main control valve	
M.	Standard/Low Speed Selector: Operator can select standard or low function speed operation. When in standard mode, each function operates at normal speeds. When in low speed, the maximum operational speed of each function is slower providing finer feathering capability. The function is separate from engine throttle control.	
N.	Remote Control Retrofittable: Control system includes single quick connect plug for quick and easy installation of radio remote control system in the field upon request (if not already equipped).	
O.	Proportional Hydraulic Control System: Closed Center Hydraulic control valve for boom, winch, and digger functions are operated and controlled by a proportional pilot system which provides full metering and feathering characteristics.	
P.	Hydraulic System: Closed Center hydraulic system with maximum flow of 43 gpm for simultaneous operation of multiple functions. Flow is provided by a variable displacement, pressure compensated, piston pump. This 'flow on demand' system optimizes the overall system efficiency. System is designed with compensators in each valve section for smooth transitions between functions. Maximum system pressure is 3000 psi. Because flow is provided by a single source (piston pump), maximum flow is available to any combination of functions including simultaneous operation of the boom and digger/winch functions and flow combining is not necessary.	
R.	Fiberglass hydraulic upper boom and boom tip with provision for platform attachment.	
S.	Transferable Hydraulic Pole Guides and Steel Boom Flares at the boom tip with adjustable alignment guides. Pole guides are hydraulically powered for open, close, and tilt.	
T.	Pole Guide Tilt Interlock: Prevents the upper boom from extending when the transferrable guides are attached to the intermediate boom until the proximity sensors detect that the guides are tilted all the way up and out of the way.	
U.	Bearings: All extending booms utilize self lubricating, low friction, slide bearings.	
V.	Boom Stow Protection System: A proximity switch on main boom detects the boom support as the boom is being stored and limits the boom down function to avoid excessive down force into the stow.	
W.	Auger Stow Protection: Limits the upward travel of the auger as it reaches the top of the auger stow latch to prevent an overstow condition.	
X.	Two-part load line attachment point on the intermediate boom	
Y.	Unit is painted with a powder coat paint process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion.	
Z.	Structural Warranty: all of the following applicable 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 tur	
AA.	Manuals: Two (2) operator and Maintenance/Parts manuals	
2.	2.63 in Hex Output Shaft With 2.63 in Hex Extension Shaft	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
3.	5 Rear Mount Over Rear Axle available on all units	1
4.	165 - Corner Mount or Rear Mount Single Station T Stand, shipped loose with 12 feet of cable	1
5.	8 - Turntable Winch	1
6.	11 - Normal winch speed (15,000 lbs)	1
7.	95 - Digger, Two-Speed Hydraulic Shift (Hydrasync), 12,000 ft-lbs, includes all of the components necessary to operate digger, installed	1
8.	88 - Digger - right-hand storage, viewing from boom tip - streetside for rear and corner mount, curbside for behind cab mount - normal. Includes Auger Overstow Protection System	1
9.	175 - ANSI use criteria, Digger Derrick use only (no Personnel Handling)	1
10.	No Derrick Tong Protectors	1
11.	Foot throttle.	1
12.	No hard wired upper controls and NO TOOL CIRCUIT at boom tip	1
13.	Pole Guides for 24.00 in Dia Pole Maximum	1
14.	Altec Electronic Side Load Protection (eSLP) - includes indicator gauge and lamp	1
15.	Outriggers, A-frame, folding shoe, 153 maximum spread, for use as auxiliary outriggers on all units or primary outriggers on select units	1
16.	Code 450: Outriggers, A-frame, folding shoe, 153 maximum spread, for use as auxiliary outriggers on all units or primary outriggers on select units, includes: A. Maximum Spread: 153 inches measured from centerline of shoe pins B. Penetration at maximum extension: 6.5 inches (for standard installation on a 40 inch frame height) C. Standard Shoe Dimensions: 14 x 15.25 inches D. Hydraulic Outrigger Control Valves E. Outrigger/Unit Selector Control: Reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped. F. Outrigger motion alarms G. Outrigger Interlocks: Will not allow the unit to be operated until the outriggers have been at least partially deployed.	1
17.	Powder coat unit Altec White.	1
18.	Additional Unit Option - CD ROM of Parts, Maintenance, and Service Manuals - Ship loose with truck - Send two (2) copies	2
19.	Additional Unit Option - Travel Height Not To Exceed 12 feet 6 inches (+/- 3 inches)	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit & Hydraulic Acc.</u>	
20.	Unit Installation Components.	1
21.	Custom Dirt Auger - Pengo Auger - 10 inch Diameter - 2-5/8 in Hex shaft - Ship loose in bed of truck	1
22.	Custom Carbide Teeth Auger - Pengo Auger - 18 inch Diameter - 2-5/8 inch Hex shaft - P-1656 Pilot bit installed - Installed on digger derrick	1
23.	Winch Rope For Turntable Winch - Eye to be installed on both ends	1
24.	Load Line Swivel Hook, 8-1/2 Ton (Crosby)	1
25.	Custom Load Line Swivel Hook Option - Two Part Load Line Kit, with Snatch Block and Clevis - Use Samson Nylite #915-321 - Ship loose with truck	1
26.	D2/3/4000 Series Derrick Subbase (Rigid)	1
27.	Subbase Storage With Drop Down Door (Paddle Latch) At Rear	1
28.	Reservoir, 60 Gallon, (Altec Standard) - Install inside the cargo area	1
29.	Temperature Sight Gauge .	1
30.	HVI-22 Hydraulic Oil (Standard).	65
31.	Piston Pump, Pressure Compensated, right hand rotation, provides 43 gpm max system flow at 3000 psi max system pressure	1
32.	Hot shift PTO for automatic transmission	1
33.	Muncie PTO (Altec Standard)	1
34.	Custom PTO/Transmission Functionality - Electrical interlock to prevent the PTO from engaging unless the parking brake is set and will drop out the PTO when the parking brake is released	1
35.	Custom Winch Cable - 500 ft of 1/2 inch IWRC cable installed on bed mounted winch - Install eyes on both ends	1
36.	Cathead, General Purpose Capstan Head(Ductile Iron)	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
37.	Collapsible Reel (CR Reel)	1
38.	Stationary Storage Bracket, For Collapsible Reel (CR Reel)	1
39.	Spring Loaded Hose Reel, 50 FT Hose Capacity - Install at rear of tailshelf near the streetside, payout to the rear	1
40.	Install Tool Circuit For Hose Reel Installation, Below Rotation (Male Pressure, Female Return)	1
41.	40' Conductive Hose Kit, Black, Includes Quick Disconnects and Dust Caps (Male Pressure, Female Return) - Install Bruning #FF-370 Quick Disconnects - 1/2 inch Diameter of hose	1
42.	Pole Puller Assembly With 1/2" Chain And Puller Plate - Installed with Bruning FF-370 Quick Disconnects	1
43.	Pole Puller Storage Bracket - Install on top of tailshelf at rear streetside	1
44.	Locking Dog Storage Bracket	1
45.	Additional Unit/Hydraulic Accessory - Screw Anchor Drive Wrench With Locking Dog Collar - Chance Brand - 10,000 LB Capacity - 7 foot Drive bar for PISA anchors - Adapter Hub - Installs on 2-5/8 Hex shaft - Ship loose with truck	1
46.	Additional Unit/Hydraulic Accessory - Hydraulic Tamper With Kidney Foot - Stanley #54003 with valve in handle - Hydraulic hosing 96 inches in length with Bruning #FF-370 Quick Disconnects installed on tamp - Ship loose with truck	1
47.	Additional Unit/Hydraulic Accessory - Hydraulic Impact Wrench/Drill - Greenlee #H8508 - Dual spool for open/closed center system - Hydraulic hosing 96 inches in length with Bruning #FF-370 Quick Disconnects installed on wrench - Ship loose with truck	1
48.	Additional Unit/Hydraulic Accessory - Socket Set for Hydraulic Wrench/Drill - Include 7/16 inch to 3/4 inch sockets - 8-Point - 1/2 inch Drive - Ship loose with truck	1
49.	Additional Unit/Hydraulic Accessory - Hydraulic Chain Saw - Greenlee #H6200B - Two (2) Extra replacement chains - Hydraulic hosing 96 inches in length with Bruning #FF-370 Quick Disconnects installed on chain	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	saw - Ship loose with truck	
50.	Additional Unit/Hydraulic Accessory - Bed Mounted Hydraulic Winch - Braden Model #03257/AHS10-18AEB R LA-24 Worm Gear Winch - Install inside the cargo area - Reinforced mounting through the body floor to the subframe - Single speed hydraulic motor with 30,000 LB capacity on 1st layer - Winch air controller at the rear of the truck - Variable engine throttle control located near the air controller - Air shift for on/off capstan shaft to prevent free spinning	1
	<u>Body</u>	
51.	Altec Osceola	1
52.	Fiberglass Body	1
53.	Service Line With Step (SLS)	1
54.	Custom Body Specifications - Aluminum Treadplate Floor - Molded Fiberglass Fenderettes - Stainless Steel Hinges and Fasteners	1
55.	Approximate Body Length (Engineering to Determine Final Length) - 168 inches	1
56.	94 Inch Body Width	1
57.	Custom Body Compartment Height - 48 inches	1
58.	18 Inch Body Compartment Depth	1
59.	Gelcoat Finish Entire Body Altec White	1
60.	2 Inch x 4 Inch Drop-In Composite Retaining Board At Top Of Side Access	1
61.	2 Inch x 6 Inch Drop-In Composite Retaining Board At Rear Of Body	1
62.	Rope Lights (LED) Around Top And Sides Of Compartment Door Facings	9
63.	Stainless Steel Rotary Paddle Latches With Keyed Locks	9
64.	All Locks Keyed Alike Including Accessories (Preferred Option)	1
65.	Rod and Spring Rigid Door Holders On All Vertical Doors	1
66.	Standard Master Body Locking System (Standard Placement Is At Rear. Sidepacks With A Throughshelf/Hotstick Door At Rear, Standard Placement Is At The Front)	9



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
67.	One Chock Holder On Each Side of Body With Retaining Lip In Fender Panel (Rear Of Wheel Or Opposite Fuel Fill)	1
68.	1st Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	1
69.	1st Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3
70.	1st Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	1
71.	Custom 1st Vertical (SS) Compartmentation - 38 inches Wide	1
72.	2nd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	2
73.	Custom 2nd Vertical (SS) Compartmentation - 25 inches Wide	1
74.	3rd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4 Inch Centers	3
75.	Custom 3rd Vertical (SS) Compartmentation - 27 inches Wide	1
76.	1st Horizontal (SS) - Fixed Shelf With Removable Dividers On 4 Inch Centers - Installed 13 inches from the top of the compartment	1
77.	1st Horizontal (SS) - Fixed Shelf With Removable Dividers On 4 Inch Centers On Bottom of Compartment	1
78.	Custom 1st Horizontal (SS) Compartmentation - 53 inches Wide	1
79.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2
80.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2
81.	Rear Vertical (SS) - Outrigger Housing, With Outrigger Pin Access As Needed	1
82.	Custom Rear Vertical (SS) Compartmentation - 24 inches Wide	1
83.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2
84.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2
85.	Custom 1st Vertical (CS) Compartmentation - 38 inches Wide	1
86.	2nd Vertical (CS) - Gripstrut Access Steps With Two (2) Sloped Grab Handles - 23 inches Wide	1
87.	3rd Vertical (CS) - Fixed Shelf With No Dividers	1
88.	3rd Vertical (CS) - 4 Inch High Pull-Out Drawer On Slides, As Wide As Possible, Latched, No Dividers - Install three (3) shelves directly under the fixed shelf, bottom of lowest shelf to be 10 inches above bottom of compartment	3
89.	1st Horizontal (CS) - Fixed Shelf With Removable Dividers On 4 Inch Centers - Installed 10 inches	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	away from top of compartment	
90.	1st Horizontal (CS) - Fixed Shelf With Removable Dividers On 4 Inch Centers On Bottom of Compartment - Angled with rear portion 2 inches higher than front portion	1
91.	Custom 1st Horizontal (CS) Compartmentation - 53 inches Wide	1
92.	Rear Vertical (CS) - Outrigger Housing, With Outrigger Pin Access As Needed	1
93.	Custom Rear Vertical (CS) Compartmentation - 24 inches Wide	1
94.	18" L Aluminum Tailshelf, Width To Match Body	1
95.	Aluminum Cross Storage Located Between Tailshelf Floor And Top Of Subbase, With Drop Down Doors And Keyed Latches On Streetside And Curbside, As Wide As Possible	1
96.	Aluminum Outrigger Valve Cover/Guards Installed At Rear Of Tailshelf	1
97.	Aluminum Top Opening Storage Box - 18 inches H x 18 inches W - Length same as streetside compartment top - Two (2) lids with gas props - Installed on top of the streetside compartment top - Wood lined - Ventilation ducts - Plastic spacers underneath to provide 1 inch space for cleanout	1
98.	Aluminum Material Rail, 72"L - Install along the top opening box on top of the streetside sidepack	1
99.	Sliding Hooks For Material Rails	6
100.	Custom Ladder Storage (Please Specify The Following: Style, Material, Easy Retrieval Method, Retaining Method, Approximate Dimensions) - Aluminum Constructed Ladder Box, Fully Enclosed - Length to run entire length of body - Mount on the streetside cargo wall with payout to the rear - 8 inches Wide x 20 inches H - Paddle latch door at the rear	1
<u>Body and Chassis Accessories</u>		
101.	ICC (Underride Protection) Bumper Installed At Rear	1
102.	T-125 Style Pintle Hitch (30,000 LB MGTW with 6,000 LB MVL)	1
103.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
104.	Cable Step Installed At Rear, Double Step with Rigid Top Step - Install on streetside	1



<u>Item</u>	<u>Description</u>	<u>Qty</u>
105.	Custom Access Step - Aluminum Rigid Gripstrut Step - Install under the side access on curbside	1
106.	Lower Boom Rest Weldment	1
107.	Mounting Brackets for Lights, Located on Lower Boom Rest	1
108.	Aluminum Outrigger Pad, 18" x 18" x 3" (Sauber)	4
109.	Custom Outrigger Pad Holder - Aluminum constructed outrigger pad holder - 19 inches x 19 inches x 4 inches H, inner dimensions - Lip to retain the outrigger pads - Install two (2) under the body on each side of the truck	4
110.	Anti-Sail Mud Flap Brackets (Pair)	1
111.	Custom Mud Flaps - Splash Shields - Install in front of rear tires	1
112.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
113.	U-Shaped Grab Handle - Install on streetside - Aluminum construction	1
114.	Slope Indicator Assembly For Machine With Outriggers	1
115.	PVC Canister Kit, 6" Diameter Pipe, 94" L, With Aluminum Cap, Door And Mounting U-Bolts - Install along front of body with doors on each end - Mounted above the sign base holder	2
116.	Triangular Reflector Kit, Installed	1
117.	10 LB Fire Extinguisher With Heavy Duty Bracket, Installed - Install inside curbside rear vertical compartment, on the rear wall	1
118.	Vise, Utility, 6.5 IN Jaw with 5.5 IN Opening, Pipe Jaws, with Replaceable Jaws and Swivel base	1
119.	Vise Mounting Bracket, 2 Square Tube Vertical Receiver Type with 8 x 8 Mounting Plate - Install at rear curbside of tailshelf	1
120.	Vinyl manual pouch for storage of all operator and parts manuals	1
121.	Additional Body/Chassis Accessory - Windmaster 1001 Slide-In Curb Sign 22 inches x 28 inches - Ship two (2) inside the storage containers - Insert signs to says "UTILITY WORK AHEAD" on both sides	2
122.	Additional Body/Chassis Accessory - Sign Holders for WindMaster signs - Aluminum treadplate constructed with paddle latch door - Non-weather proof with drainage holes at the bottom - Vertically mounted front of body on streetside, accessible from ground on streetside	2



<u>Item</u>	<u>Description</u>	<u>Qty</u>
<u>Electrical Accessories</u>		
123.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
124.	Custom Strobe Light - Whelen Model L31HAF LED Beacons - Includes scan lock, class 1 rated, Hi-Low Power, Branch guard option - Install one (1) on each side of the boomrest	2
125.	Dual Tone Back-Up With Outrigger Motion Alarm	1
126.	Altec Standard Multi-Point Grounding System	5
127.	Grounding Cable, #4/0 GA Yellow Jacketed Cable (Specify Length In Feet) - Ship Loose	50
128.	Straight Stainless Steel Grounding Lug - Install one (1) front/rear of truck on curbside	2
129.	Grounding Clamp, Aluminum C-Clamp Style With Smooth Jaws (Includes Ferrule and Heat Shrink Tubing) - Install one (1) on each end of the grounding cable	2
130.	Power Distribution Module Is A Compact Self-Contained Electronic System That Provides A Standardized Interface With The Chassis Electrical System. (Includes Operator's Manual) - Mounted on the inside rear of the cab in an accessible location	1
131.	Altec Modular Panel System (AMPS) - Includes Mounting Panel and Accessory Switches	1
132.	Additional Electrical Accessory - Betts Model #305007-BT Swivel Work Light - Installed near the T-Stand - Exact location to be determined at the drawing review	1
<u>Finishing Details</u>		
133.	Powder Coat Unit Altec White	1
134.	Finish Paint Body Accessories Above Body Floor Altec White	1
135.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc.Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
136.	Apply Non-Skid Coating to all walking surfaces	1
137.	English Safety And Instructional Decals	1
138.	Vehicle Height Placard - Installed In Cab	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
139.	Placard, HVI-22 Hydraulic Oil	1
140.	Dielectric test unit according to ANSI requirements.	1
141.	Stability test unit according to ANSI requirements.	1
142.	Delivery Of Completed Unit	1
143.	Inbound Freight	1
144.	Non-Focus Factory Build	1
145.	D2050B-TR FA Installation	1
	<u>Chassis</u>	
146.	Chassis	1
147.	Altec Supplied Chassis	1
148.	2016 Model Year	1
149.	Freightliner M2-106	1
150.	4x2	1
151.	Other Clear Cab To Axle Length	1
152.	Regular Cab	1
153.	Chassis Cab	1
154.	Cummins ISL	1
155.	Allison 3500 RDS Automatic Transmission	1
156.	GVWR 37,600 LBS	1
157.	14,600 LBS Front GAWR	1
158.	23,000 LBS Rear GAWR	1
159.	Air Brakes	1
160.	Park Brake In Rear Wheels	1



Ohio STS Contract

<u>Item</u>	<u>Description</u>	<u>Qty</u>
161.	016-1C2 - Freightliner Recommended Exhaust (Right-Horizontal-Under Cab-Vertical)	1
162.	Freightliner - Clear Area Around Allison PTO Openings (362-1Y0) and (363-011)	1
163.	Freightliner - Rear Cab Crossmember Flush With Back Of Cab (561-010)	1
164.	Freightliner PTO Throttle Wiring for Automatic Transmission (163-004) (148-074) (87L-003)	1
165.	Freightliner/Allison Body Builder Connection (34C-001)	1
166.	No Prewire Chassis	1
167.	No Idle Engine Shut-Down Required	1
168.	No California Emission Requirements	1
169.	204-215 Freightliner 50 Gallon Fuel Tank (Left Hand Under Cab)	1
170.	23U-001, 43X-002 Freightliner 6 Gallon DEF Tank (Under Cab Left Hand)	1
171.	Chassis Without Front Frame Extensions	1
172.	Battery Under Cab Left Hand	1
173.	Vinyl Bucket Seat	1

Additional Pricing

174.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
175.	Federal Excise Tax Item Not Included In Total	1

Standard Retail Price With Chassis	\$271,002.00
Ohio STS Discount	<u>-\$11,546.00</u>
Ohio STS Price With Chassis	\$259,456.00

Description	Add or Deduct	Price
DH50 Digger Derrick In Lieu of D2050 Model	Add	\$7,647.00



Freightliner

Freightliner Single Axle

M2-106, 33,000 GVWR, 4x2, 86" CA, Conventional Cab	\$68,559.00
Ohio State Discount	-\$699.00
Ohio State Price	\$67,860.00

4x4 Drive train	+\$17,931.00
14k Front Axle	+\$508.00
16k Front Axle	+\$1,859.00
23k Rear Axle	+\$360.00
108" Clear CA (Round up to the nearest CA)	+\$116.00
120" Clear CA (Round up to the nearest CA)	+\$238.00
130" Clear CA (Round up to the nearest CA)	+\$295.00
Manual Transmission, 4x2, 5-speed, In Lieu of Automatic	-\$5,313.00
300 HP ISB Engine in lieu of 250 HP	+\$1,892.00
300 HP ISL Engine in lieu of 250 HP	+\$4,726.00
Vertical Exhaust	+\$487.00
Extended Cab	+\$4,384.00
Crew Cab	+\$7,464.00
Driver Controlled Differential Locks	+\$420.00
Air Ride Drivers Seat, Passenger Fixed Bench	+\$151.00
200 Amp Alternator	+\$168.00
Front Frame Extensions (Necessary for front winch and some accessories)	+\$1,250.00
Heated Power Mirrors	+\$298.00
Power Window and Power Locks	+\$200.00

Freightliner Tandem Axle

M2-106, 56,000 GVWR, 6x4, 140" CA, Conventional Cab	\$82,804.00
Ohio State Discount	-\$844.00
Ohio State Price	\$81,960.00

6x6 Drive train	+\$18,685.00
330 HP ISL Engine, In Lieu of 300 HP	+\$919.00
Vertical Exhaust	+\$487.00
Extended Cab	+\$4,384.00
Crew Cab	+\$8,171.00
Driver Controlled Differential Locks	+\$755.00
Air Ride Drivers Seat, Passenger Fixed Bench	+\$151.00
200 Amp Alternator	+\$168.00
Front Frame Extensions	+\$1,289.00
Heated Power Mirrors	+\$298.00
Power Window and Power Locks	+\$200.00

Freightliner Single Axle M2 106 4x2 @ 33,000 GVWR



Components shown may not reflect all spec'd options and are not

Data Code	Description	Weight Front	Weight Rear
Price Level			
	M2 PRL-03M (EFF:01/25/12)		
Data Version			
	SPECPRO21 DATA RELEASE VER 016		
Vehicle Configuration			
	M2 106 CONVENTIONAL CHASSIS	5,775	3,535
	2016 MODEL YEAR SPECIFIED		
	SET BACK AXLE - TRUCK		
	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
	LH PRIMARY STEERING LOCATION		
General Service			
	TRUCK/TRAILER CONFIGURATION		
	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
	UTILITY/REPAIR/MAINTENANCE SERVICE		
	UTILITY BUSINESS SEGMENT		
	FIXED LOAD COMMODITY		

Data Code	Description	Weight Front	Weight Rear
	<p>TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS</p> <p>MAXIMUM 8% EXPECTED GRADE</p> <p>SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE</p> <p>MEDIUM TRUCK WARRANTY</p> <p>EXPECTED FRONT AXLE(S) LOAD : 13000.0 lbs</p> <p>EXPECTED REAR DRIVE AXLE(S) LOAD : 20000.0 lbs</p> <p>EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 33000.0 lbs</p> <p>EXPECTED GROSS COMBINATION WEIGHT : 45000.0 lbs</p>		

Truck Service

UTILITY BODY

EXPECTED TRUCK BODY LENGTH : 1.0 ft

EXPECTED TRUCK BODY WIDTH : 96.0 in

BRAKING-EXPECTED CAB TO BODY CLEARANCE : 3.0 in

EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in

Engine

CUM ISB 6.7-250 250 HP @ 2300 RPM, 2600 GOV, 660 LB/FT @ 1600 RPM

Electronic Parameters

75 MPH ROAD SPEED LIMIT

CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT

PTO MODE ENGINE RPM LIMIT - 1100 RPM

Data Code	Description	Weight Front	Weight Rear
	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
	PTO MINIMUM RPM - 700		
	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		

Engine Equipment

2015 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG14

2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LEFT SIDE OF HOOD)

STANDARD OIL PAN

ENGINE MOUNTED OIL CHECK AND FILL

ONE PIECE VALVE COVER

SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED

DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE

(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY

BATTERY BOX FRAME MOUNTED

STANDARD BATTERY JUMPERS

SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB



Data Code	Description	Weight Front	Weight Rear
	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
	NON-POLISHED BATTERY BOX COVER		
	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
	AIR COMPRESSOR DISCHARGE LINE		
	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE		
	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
	STANDARD EXHAUST SYSTEM LENGTH		
	RH STANDARD HORIZONTAL TAILPIPE		
	6 GALLON DIESEL EXHAUST FLUID TANK		
	100 PERCENT DIESEL EXHAUST FLUID FILL		
	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
	STANDARD DIESEL EXHAUST FLUID TANK CAP		
	HORTON HT650 FRONTAL AIR ON/OFF ENGINE FAN CLUTCH		
	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		



Data Code	Description	Weight Front	Weight Rear
	CUMMINS SPIN ON FUEL FILTER		
	FULL FLOW OIL FILTER		
	950 SQUARE INCH ALUMINUM RADIATOR		
	ANTIFREEZE TO -34F, NOAT EXTENDED LIFE COOLANT		
	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
	RADIATOR DRAIN VALVE		
	LOWER RADIATOR GUARD		
	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4	
	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
	ALUMINUM FLYWHEEL HOUSING		
	ELECTRIC GRID AIR INTAKE WARMER		
	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		

Transmission

ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
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Transmission Equipment

ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV

ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES

Data Code	Description	Weight Front	Weight Rear
	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR MOUNTED BACK OF CAB		
	(2) CUSTOMER INSTALLED CHELSEA 277 SERIES PTO'S		
	PTO MOUNTING, LH AND RH SIDES OF MAIN TRANSMISSION		
	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
	TRANSMISSION PROGNOSTICS - ENABLED 2013		
	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
	TRANSMISSION OIL CHECK AND FILL WITH CROSSOVER TO CLEAR LH PTO AND DIRECT MOUNT PUMP		
	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

- DETROIT DA-F-13.0-3 13,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE
- MERITOR 15X4 Q+ CAM FRONT BRAKES
- NON-ASBESTOS FRONT BRAKE LINING
- CONMET CAST IRON FRONT BRAKE DRUMS
- SKF SCOTSEAL PLUS XL FRONT OIL SEALS

Data Code	Description	Weight Front	Weight Rear
	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
	STANDARD SPINDLE NUTS FOR ALL AXLES		
	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
	TRW THP-60 POWER STEERING		
	POWER STEERING PUMP		
	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
	ORGANIC SAE 80/90 FRONT AXLE LUBE		
Front Suspension			
	14,600# TAPERLEAF FRONT SUSPENSION	170	
	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
	FRONT SHOCK ABSORBERS		
Rear Axle and Equipment			
	MS-21-14X 21,000# R-SERIES SINGLE REAR AXLE		10
	5.57 REAR AXLE RATIO		
	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES		
	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
	NON-ASBESTOS REAR BRAKE LINING		
	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
	CONMET CAST IRON REAR BRAKE DRUMS		
	SKF SCOTSEAL PLUS XL REAR OIL SEALS		



Data Code	Description	Weight Front	Weight Rear
	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
	SYNTHETIC 75W-90 REAR AXLE LUBE		
Rear Suspension			
	23,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		110
	SPRING SUSPENSION - NO AXLE SPACERS		
	STANDARD U-BOLT PAD		
Brake System			
	AIR BRAKE PACKAGE		
	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL		
	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
	FIBER BRAID PARKING BRAKE HOSE		
	STANDARD BRAKE SYSTEM VALVES		
	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
	STD U.S. FRONT BRAKE VALVE		
	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
	BW AD-9 BRAKE LINE AIR DRYER WITH HEATER	20	
	AIR DRYER MOUNTED INBOARD ON LH RAIL		
	STEEL AIR BRAKE RESERVOIRS		
	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		



Data Code	Description	Weight Front	Weight Rear
	PULL CABLES ON ALL AIR RESERVOIR(S)		
Trailer Connections			
	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS		
	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE		
	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
	UPGRADED CHASSIS MULTIPLEXING UNIT		
	UPGRADED BULKHEAD MULTIPLEXING UNIT		
Wheelbase & Frame			
	3900MM (154 INCH) WHEELBASE		
	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	-110	160
	2900MM (114 INCH) REAR FRAME OVERHANG		
	FRAME OVERHANG RANGE: 111 INCH TO 120 INCH	-70	310
	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 88.45 in		
	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 85.45 in		
	CALC'D FRAME LENGTH - OVERALL : 297.39		
	CALC'D SPACE AVAILABLE FOR DECKPLATE : 88.45 in		
	CALCULATED FRAME SPACE LH SIDE : 91.06 in		
	CALCULATED FRAME SPACE RH SIDE : 97.41 in		



Data Code	Description	Weight Front	Weight Rear
	SQUARE END OF FRAME		
	FRONT CLOSING CROSSMEMBER		
	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
	STANDARD REAR MOST CROSSMEMBER W/ DOUBLE STANDARD CROSSMEMBER SPACING		
	STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment			
	THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS	30	
	FRONT TOW HOOKS - FRAME MOUNTED	15	
	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
Fuel Tanks			
	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20	
	RECTANGULAR FUEL TANK(S)		
	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
	FUEL TANK(S) FORWARD		
	PLAIN STEP FINISH		
	FUEL TANK CAP(S)		
	DAVCO 382F FUEL/WATER SEPARATOR WITH RETURN FUEL HEAT AND THERMATIC CONTROL	-5	



Data Code	Description	Weight Front	Weight Rear
	EQUIFLO INBOARD FUEL SYSTEM		
	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			
	GOODYEAR G661 HSA 12R22.5 16 PLY RADIAL FRONT TIRES (MATCH MARKED)	54	
	GOODYEAR G182 RSD 11R22.5 14 PLY RADIAL REAR TIRES		88
Hubs			
	CONMET PRESET PLUS IRON FRONT HUBS		
	CONMET PRESET PLUS IRON REAR HUBS		
Wheels			
	ACCURIDE 50408 ACCU-LITE 22.5X8.25 10- HUB PILOT 6.16 INSET 2-HAND STEEL DISC FRONT WHEELS	-20	
	ACCURIDE 50408 ACCU-LITE 22.5X8.25 10- HUB PILOT 2-HAND STEEL DISC REAR WHEELS		-40
	FRONT WHEEL MOUNTING NUTS		
	REAR WHEEL MOUNTING NUTS		
Cab Exterior			
	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
	RUBBER CAB MOUNTS		
	PAINTED PLASTIC GRILLE		
	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE		
	FIBERGLASS HOOD		
	SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK	4	
	DUAL ELECTRIC HORNS		



Data Code	Description	Weight Front	Weight Rear
	SINGLE HORN SHIELD		
	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
	REAR LICENSE PLATE MOUNT END OF FRAME		
	INTEGRAL HEADLIGHT/MARKER ASSEMBLY		
	(5) AMBER MARKER LIGHTS		
	DAYTIME RUNNING LIGHTS		
	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
	STANDARD FRONT TURN SIGNAL LAMPS		
	DUAL WEST COAST MOLDED-IN COLOR MIRRORS		
	DOOR MOUNTED MIRRORS		
	102 INCH EQUIPMENT WIDTH		
	LH AND RH 8" MOLDED-IN COLOR CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
	STANDARD SIDE/REAR REFLECTORS		
	2-STAGE ELECTRIC HORN AND HAZARD LAMP ALERT CONTROLLED BY PARTICULATE FILTER REGENERATION REQUIRED STATUS		
	63X14 INCH TINTED REAR WINDOW		
	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
	MANUAL DOOR WINDOW REGULATORS		
	TINTED WINDSHIELD		
	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		
Cab Interior			
	OPAL GRAY VINYL INTERIOR		



Data Code	Description	Weight Front	Weight Rear
	MOLDED PLASTIC DOOR PANEL		
	MOLDED PLASTIC DOOR PANEL		
	BLACK MATS WITH SINGLE INSULATION		
	DASH MOUNTED ASH TRAYS AND LIGHTER		
	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
	IN DASH STORAGE BIN		
	PLASTIC MANIFEST BOX - LH DOOR		
	(2) CUP HOLDERS LH AND RH DASH		
	GRAY/CHARCOAL FLAT DASH		
	HEATER, DEFROSTER AND AIR CONDITIONER		
	STANDARD HVAC DUCTING		
	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
	STANDARD HEATER PLUMBING		
	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
	BINARY CONTROL, R-134A		
	STANDARD INSULATION		
	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
	DOMED DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
	(1) 12 VOLT POWER SUPPLY IN DASH		
	BASIC HIGH BACK NON SUSPENSION DRIVER SEAT WITH FORE AND AFT ADJUSTMENT		

Data Code	Description	Weight Front	Weight Rear
	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20	
	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
	VINYL WITH VINYL INSERT DRIVER SEAT		
	VINYL WITH VINYL INSERT PASSENGER SEAT		
	3 POINT DRIVER AND PASSENGER AND 2 POINT CENTER FRONT SEAT BELT RETRACTORS		
	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

- GRAY DRIVER INSTRUMENT PANEL
- GRAY CENTER INSTRUMENT PANEL
- ENGINE REMOTE INTERFACE WITH PARK
BRAKE AND NEUTRAL INTERLOCKS
- BLACK GAUGE BEZELS
- LOW AIR PRESSURE LIGHT AND BUZZER
- 2 INCH PRIMARY AND SECONDARY AIR
PRESSURE GAUGES
- INTAKE MOUNTED AIR RESTRICTION
INDICATOR WITHOUT GRADUATIONS
- ELECTRONIC CRUISE CONTROL WITH
SWITCHES IN LH SWITCH PANEL
- KEY OPERATED IGNITION SWITCH AND
INTEGRAL START POSITION; 4 POSITION
OFF/RUN/START/ACCESSORY
- ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS,
28 LED WARNING LAMPS AND DATA LINKED



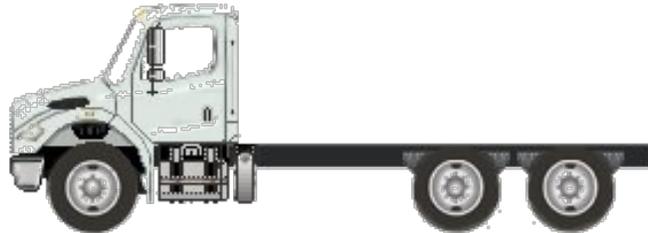
Data Code	Description	Weight Front	Weight Rear
	DIAGNOSTIC INTERFACE CONNECTOR, 9 PIN, SAE J1939, LOCATED BELOW DASH		
	2 INCH ELECTRIC FUEL GAUGE		
	ENGINE REMOTE INTERFACE NOT CONFIGURED		
	ENGINE REMOTE INTERFACE CONNECTOR AT BACK OF CAB		
	PREWIRE PACKAGE FOR ALTEC CONTROL MODULE AND CHASSIS INTERFACE		
	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
	ELECTRIC ENGINE OIL PRESSURE GAUGE		
	OVERHEAD INSTRUMENT PANEL		
	AM/FM/WB RADIO WITH BLUETOOTH AND MICROPHONE, FRONT USB PORT, FRONT AND REAR AUXILIARY INPUTS AND J1939	10	
	DASH MOUNTED RADIO		
	(2) RADIO SPEAKERS IN CAB		
	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2	
	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
	STANDARD VEHICLE SPEED SENSOR		
	ELECTRONIC 3000 RPM TACHOMETER		
	IDLE LIMITER, ELECTRONIC ENGINE		

Data Code	Description	Weight Front	Weight Rear
	BW TRACTOR PROTECTION VALVE		
	TRAILER HAND CONTROL BRAKE VALVE		
	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		
Design			
	PAINTE: ONE SOLID COLOR		
Color			
	CAB COLOR A: L0006EB WHITE ELITE BC		
	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX		
Certification / Compliance			
	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		



TOTAL VEHICLE SUMMARY

Freightliner Tandem Axle M2 106
6x4 @ 56,000 GVWR



Components shown may not reflect all spec'd options and are not to scale

Data Code	Description	Weight Front	Weight Rear
Price Level			
	M2 PRL-03M (EFF:01/25/12)		
Data Version			
	SPECPRO21 DATA RELEASE VER 016		
Vehicle Configuration			
	M2 106 CONVENTIONAL CHASSIS	5,775	3,535
	2016 MODEL YEAR SPECIFIED		
	SET BACK AXLE - TRUCK		
	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
	LH PRIMARY STEERING LOCATION		
General Service			
	TRUCK/TRAILER CONFIGURATION		



Data Code	Description	Weight Front	Weight Rear
	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
	UTILITY/REPAIR/MAINTENANCE SERVICE		
	UTILITY BUSINESS SEGMENT		
	FIXED LOAD COMMODITY		
	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
	MAXIMUM 8% EXPECTED GRADE		
	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
	MEDIUM TRUCK WARRANTY		
	EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs		
	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 56000.0 lbs		
	EXPECTED GROSS COMBINATION WEIGHT : 65000.0 lbs		

Truck Service

UTILITY BODY

EXPECTED TRUCK BODY LENGTH : 1.0 ft

EXPECTED TRUCK BODY WIDTH : 96.0 in

BRAKING-EXPECTED CAB TO BODY
CLEARANCE : 3.0 in



Data Code	Description	Weight Front	Weight Rear
	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine			
	CUM ISL 300 HP @ 2000 RPM, 2200 GOV RPM, 860 LB/FT @ 1300 RPM	640	30
Electronic Parameters			
	68 MPH ROAD SPEED LIMIT		
	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
	PTO MODE ENGINE RPM LIMIT - 1100 RPM		
	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM		
	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
	PTO MINIMUM RPM - 700		
	REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
Engine Equipment			
	2015 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG14		



Data Code	Description	Weight Front	Weight Rear
	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LEFT SIDE OF HOOD)		
	STANDARD OIL PAN		
	ENGINE MOUNTED OIL CHECK AND FILL		
	ONE PIECE VALVE COVER		
	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER AND UNDER HOOD BLEND AIR DOOR		
	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
	(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA THREADED STUD BATTERIES, NON FCCC ONLY		
	BATTERY BOX FRAME MOUNTED		
	STANDARD BATTERY JUMPERS		
	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
	NON-POLISHED BATTERY BOX COVER		
	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		



Data Code	Description	Weight Front	Weight Rear
	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
	AIR COMPRESSOR DISCHARGE LINE		
	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20	
	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE		
	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH		
	STANDARD EXHAUST SYSTEM LENGTH		
	RH STANDARD HORIZONTAL TAILPIPE		
	6 GALLON DIESEL EXHAUST FLUID TANK		
	100 PERCENT DIESEL EXHAUST FLUID FILL		
	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
	STANDARD DIESEL EXHAUST FLUID TANK CAP		
	HORTON DRIVEMASTER ON/OFF FAN DRIVE		



Data Code	Description	Weight Front	Weight Rear
	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
	CUMMINS SPIN ON FUEL FILTER		
	COMBINATION FULL FLOW/BYPASS OIL FILTER		
	1100 SQUARE INCH ALUMINUM RADIATOR	20	
	ANTIFREEZE TO -34F, NOAT EXTENDED LIFE COOLANT		
	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
	RADIATOR DRAIN VALVE		
	LOWER RADIATOR GUARD		
	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
	ALUMINUM FLYWHEEL HOUSING		
	ELECTRIC GRID AIR INTAKE WARMER		
	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		
Transmission			
	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
Transmission Equipment			



Data Code	Description	Weight Front	Weight Rear
	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
	(2) CUSTOMER INSTALLED CHELSEA 277 SERIES PTO'S		
	PTO MOUNTING, LH AND RH SIDES OF MAIN TRANSMISSION		
	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
	TRANSMISSION PROGNOSTICS - ENABLED 2013		
	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		



Data Code	Description	Weight Front	Weight Rear
	TRANSMISSION OIL CHECK AND FILL WITH CROSSOVER TO CLEAR LH PTO AND DIRECT MOUNT PUMP SYNTHETIC TRANSMISSION FLUID (TES- 295 COMPLIANT)		
Front Axle and Equipment			
	DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	190	
	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
	NON-ASBESTOS FRONT BRAKE LINING		
	CONMET CAST IRON FRONT BRAKE DRUMS		
	FRONT BRAKE DUST SHIELDS	5	
	SKF SCOTSEAL PLUS XL FRONT OIL SEALS		
	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
	STANDARD SPINDLE NUTS FOR ALL AXLES		
	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
	TRW TAS-85 POWER STEERING	40	
	POWER STEERING PUMP		
	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
	SYNTHETIC 75W-90 FRONT AXLE LUBE		

Front Suspension



Data Code	Description	Weight Front	Weight Rear
	16,000# FLAT LEAF FRONT SUSPENSION	260	
	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
	FRONT SHOCK ABSORBERS	50	
Rear Axle and Equipment			
	MT-40-14XP 40,000# R-SERIES TANDEM REAR AXLE		2,530
	5.29 REAR AXLE RATIO		
	IRON REAR AXLE CARRIER WITH OPTIONAL HEAVY DUTY AXLE HOUSING		30
	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES		
	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
	(1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES		
	BLINKING LAMP WITH EACH MODE SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF		
	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
	NON-ASBESTOS REAR BRAKE LINING		
	STANDARD BRAKE CHAMBER LOCATION		
	CONMET CAST IRON REAR BRAKE DRUMS		
	SKF SCOTSEAL PLUS XL REAR OIL SEALS		



Data Code	Description	Weight Front	Weight Rear
	HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		20
	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
	SYNTHETIC 75W-90 REAR AXLE LUBE		

Rear Suspension

HENDRICKSON RT403 REAR SUSPENSION @ 40,000#	750
HENDRICKSON RT/RTE - 7.19" SADDLE	
STANDARD U-BOLT PAD	
52 INCH AXLE SPACING	
STEEL BEAMS AND RUBBER CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS	
FORE/AFT CONTROL RODS	

Brake System

AIR BRAKE PACKAGE	
WABCO 4S/4M ABS WITHOUT TRACTION CONTROL	
REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES	
FIBER BRAID PARKING BRAKE HOSE	
STANDARD BRAKE SYSTEM VALVES	
STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM	
STD U.S. FRONT BRAKE VALVE	

Data Code	Description	Weight Front	Weight Rear
	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
	BW AD-9 BRAKE LINE AIR DRYER WITH HEATER	20	
	AIR DRYER MOUNTED INBOARD ON LH RAIL		
	STEEL AIR TANKS MOUNTED AFT INSIDE AND/OR BELOW FRAME JUST FORWARD OF REAR SUSPENSION		
	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
	PETCOCK DRAIN VALVES ON ALL AIR TANK(S)		

Trailer Connections

- AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND DUST COVERS
- PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE
- SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME
- UPGRADED CHASSIS MULTIPLEXING UNIT
- UPGRADED BULKHEAD MULTIPLEXING UNIT

Wheelbase & Frame



Data Code	Description	Weight Front	Weight Rear
	5300MM (209 INCH) WHEELBASE		
	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	270	260
	2900MM (114 INCH) REAR FRAME OVERHANG		
	FRAME OVERHANG RANGE: 111 INCH TO 120 INCH	-90	370
	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 143.45 in		
	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 140.45 in		
	CALC'D FRAME LENGTH - OVERALL : 352.39		
	CALC'D SPACE AVAILABLE FOR DECKPLATE : 143.45 in		
	CALCULATED FRAME SPACE LH SIDE : 107.76 in		
	CALCULATED FRAME SPACE RH SIDE : 114.1 in		
	SQUARE END OF FRAME		
	FRONT CLOSING CROSSMEMBER		
	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
	STANDARD REARMOST CROSSMEMBER		
	STANDARD SUSPENSION CROSSMEMBER		



Data Code	Description	Weight Front	Weight Rear
Chassis Equipment			
	THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS	30	
	FRONT TOW HOOKS - FRAME MOUNTED	15	
	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
	CENTER PUNCH TO MARK CENTERLINE OF REAR SUSPENSION ON FRAME		
Fuel Tanks			
	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20	
	RECTANGULAR FUEL TANK(S)		
	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
	FUEL TANK(S) FORWARD		
	PLAIN STEP FINISH		
	FUEL TANK CAP(S)		
	ALLIANCE FUEL FILTER/WATER SEPARATOR WITH HEATED BOWL		
	EQUIFLO INBOARD FUEL SYSTEM		



Data Code	Description	Weight Front	Weight Rear
	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			
	GOODYEAR G291 315/80R22.5 20 PLY RADIAL FRONT TIRES	58	
	GOODYEAR G177 11R22.5 16 PLY RADIAL REAR TIRES		256
Hubs			
	CONMET PRESET PLUS IRON FRONT HUBS		
	CONMET PRESET PLUS IRON REAR HUBS		
Wheels			
	ACCURIDE 29039 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS	50	
	ACCURIDE 50408 ACCU-LITE 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS		-80
	FRONT WHEEL MOUNTING NUTS		
	REAR WHEEL MOUNTING NUTS		
Cab Exterior			
	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
	AIR CAB MOUNTS		
	STATIONARY PAINTED FULL GRILLE FOR CHASSIS WITHOUT INTEGRAL FRONT FRAME EXTENSIONS	5	



Data Code	Description	Weight Front	Weight Rear
	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE		
	FIBERGLASS HOOD		
	SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK	4	
	DUAL ELECTRIC HORNS		
	SINGLE HORN SHIELD		
	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
	REAR LICENSE PLATE MOUNT END OF FRAME		
	INTEGRAL HEADLIGHT/MARKER ASSEMBLY		
	(5) AMBER MARKER LIGHTS		
	HEADLIGHTS ON WITH WIPERS, NO DAYTIME RUNNING LIGHTS		
	INTEGRAL STOP/TAIL/BACKUP LIGHTS		
	STANDARD FRONT TURN SIGNAL LAMPS		
	DUAL WEST COAST MOLDED-IN COLOR MIRRORS		
	DOOR MOUNTED MIRRORS		
	102 INCH EQUIPMENT WIDTH		
	LH AND RH 8" MOLDED-IN COLOR CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
	STANDARD SIDE/REAR REFLECTORS		

Data Code	Description	Weight Front	Weight Rear
	2-STAGE ELECTRIC HORN AND HAZARD LAMP ALERT CONTROLLED BY PARTICULATE FILTER REGENERATION REQUIRED STATUS		
	63X14 INCH TINTED REAR WINDOW		
	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
	MANUAL DOOR WINDOW REGULATORS		
	TINTED WINDSHIELD		
	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		
Cab Interior			
	OPAL GRAY VINYL INTERIOR		
	MOLDED PLASTIC DOOR PANEL		
	MOLDED PLASTIC DOOR PANEL		
	BLACK MATS WITH SINGLE INSULATION		
	DASH MOUNTED ASH TRAYS AND LIGHTER		
	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
	IN DASH STORAGE BIN		
	(2) CUP HOLDERS LH AND RH DASH		
	GRAY/CHARCOAL FLAT DASH		



Data Code	Description	Weight Front	Weight Rear
	HEATER, DEFROSTER AND AIR CONDITIONER		
	STANDARD HVAC DUCTING		
	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
	STANDARD HEATER PLUMBING		
	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
	BINARY CONTROL, R-134A		
	STANDARD INSULATION		
	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
	DOMED DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
	CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
	(1) 12 VOLT POWER SUPPLY IN DASH		
	BASIC HIGH BACK NON SUSPENSION DRIVER SEAT WITH FORE AND AFT ADJUSTMENT		
	2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20	
	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
	VINYL WITH VINYL INSERT DRIVER SEAT		

Data Code	Description	Weight Front	Weight Rear
	VINYL WITH VINYL INSERT PASSENGER SEAT		
	3 POINT DRIVER AND PASSENGER AND 2 POINT CENTER FRONT SEAT BELT RETRACTORS		
	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

- GRAY DRIVER INSTRUMENT PANEL
- GRAY CENTER INSTRUMENT PANEL
- ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS
- BLACK GAUGE BEZELS
- LOW AIR PRESSURE LIGHT AND BUZZER
- 2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
- INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
- ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
- KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY



Data Code	Description	Weight Front	Weight Rear
	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
	DIAGNOSTIC INTERFACE CONNECTOR, 9 PIN, SAE J1939, LOCATED BELOW DASH		
	2 INCH ELECTRIC FUEL GAUGE		
	ENGINE REMOTE INTERFACE NOT CONFIGURED		
	ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT		
	PREWIRE PACKAGE FOR ALTEC CONTROL MODULE AND CHASSIS INTERFACE		
	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
	ELECTRIC ENGINE OIL PRESSURE GAUGE		
	OVERHEAD INSTRUMENT PANEL		
	AM/FM/WB RADIO WITH BLUETOOTH AND MICROPHONE, FRONT USB PORT, FRONT AND REAR AUXILIARY INPUTS AND J1939	10	
	DASH MOUNTED RADIO		
	(2) RADIO SPEAKERS IN CAB		



Data Code	Description	Weight Front	Weight Rear
	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF	2	
	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
	STANDARD VEHICLE SPEED SENSOR		
	ELECTRONIC 3000 RPM TACHOMETER		
	IDLE LIMITER, ELECTRONIC ENGINE		
	PRE-FLIGHT, ALL OUTPUTS FLASH WITH SMART SWITCH		
	BW TRACTOR PROTECTION VALVE		
	TRAILER HAND CONTROL BRAKE VALVE		
	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		

Design

PAINT: ONE SOLID COLOR



Data Code	Description	Weight Front	Weight Rear
Color			
	CAB COLOR A: L0006EB WHITE ELITE BC		
	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		
	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX		

Certification / Compliance

U.S. FMVSS CERTIFICATION, EXCEPT
SALES CABS AND GLIDER KITS

Secondary Factory Options

CORPORATE PDI CENTER IN-SERVICE
ONLY

DEALER HAS BEEN ADVISED OF AND
ACCEPTED RESPONSIBILITY FOR
MODIFICATIONS DUE TO POSSIBLE
PTO/CHASSIS INTERFERENCE

TOTAL VEHICLE SUMMARY



International

International Single Axle 4x2

4300 Model, SBA, 33,000 GVWR, 4x2, 85" Clear CA, Conventional Cab	\$68,862.00
Ohio State Discount	-(\$702.00)
Ohio State Price	\$68,160.00

14,000 LB FAWR	+\$655.00
23,000 LB RAWR	+\$904.00
130" Clear CA	+\$227.00
300 HP Engine	+\$985.00
Extended Cab	+\$2,578.00
Crew Cab	+\$5,980.00
Driver Controlled Locking Differential	+\$449.00
Air Ride Drivers Seat With Two Man Passenger Bench	+\$450.00
200 Amp Alternator	+\$284.00
Front Frame Extensions	Not Available
Heated Power Mirrors	+\$361.00
Power Windows and Locks	+\$238.00
Custom Paint	+\$516.00

International Single Axle 4x4

7300 Mode, SFA, 33,000 GVWR, 4x4, 114" Clear CA, Conventional Cab	\$86,103.00
Ohio State Discount	-(\$878.00)
Ohio State Price	\$85,225.00

14,000 LB FAWR	+\$655.00
16,000 LB FAWR	+\$2,990.00
23,000 LB RAWR	+\$904.00
130" Clear CA	+\$227.00
300 HP Engine	+\$985.00
Extended Cab	+\$2,578.00
Crew Cab	+\$5,980.00
Driver Controlled Locking Differential	+\$449.00
Air Ride Drivers Seat With Two Man Passenger Bench	+\$450.00
200 Amp Alternator	+\$284.00
Front Frame Extensions	+\$531.00
Heated Power Mirrors	+\$361.00
Power Windows and Locks	+\$238.00
Custom Paint	+\$516.00

International Tandem Axle 6x4

7400 Model, SBA, 56,000 GVWR, 6x4, 142" Clear CA, Conventional Cab	\$86,593.00
Ohio State Discount	-(\$883.00)



Ohio STS Contract

	\$85,710.00
6x6 Drive train	+\$17,094.00
350 HP Engine	+\$3,995.00
Vertical Exhaust	+\$368.00
Extended Cab	+\$2,836.00
Crew Cab	+\$6,160.00
Driver Controlled Differential Lock	+\$919.00
Air Ride Drivers Seat With Two Man Passenger Bench	+\$517.00
200 Amp Alternator	+\$308.00
Front Frame Extensions	+\$531.00
Heated Mirrors	+\$364.00
Power Windows and Locks	+\$247.00
Custom Paint	+\$516.00

International Single Axle 4300 4x2 @ 33,000 GVWR



APPLICATION:	Utility/Service (Other)
MISSION:	Requested GVWR: 33000. Calc. GVWR: 33000 Calc. Start / Grade Ability: 34.90% / 2.43% @ 55 MPH Calc. Geared Speed: 68.0 MPH
DIMENSION:	Wheelbase: 158.00, CA: 90.90, Usable CA: 84.90, Axle to Frame: 114.00
ENGINE, DIESEL:	{Cummins ISB 250} EPA 10, 250 HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 250 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 3500_RDS_P} 5th Generation Controls; Wide Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-13-122A} I-Beam Type, 13,000-lb Capacity
AXLE, REAR, SINGLE:	{Dana Spicer 21060S} Single Reduction, 20,000-lb Capacity, 190 Wheel Ends Gear Ratio: 6.17
CAB:	Conventional
TIRE, FRONT:	(2) 11R22.5 G662 FUEL MAX (GOODYEAR) 497 rev/mile, load range H, 16 ply
TIRE, REAR:	(4) 11R22.5 G572 1AD (GOODYEAR) 496 rev/mile, load range G, 14 ply
SUSPENSION, RR, SPRING, SINGLE:	Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring
PAINT:	Cab schematic 100GA Location 1: 9036, Cool Gray Light (Std) Chassis schematic N/A

International Single Axle 7300 4x4 @ 33,000 GVWR

APPLICATION:	Utility/Service (Other)
MISSION:	Requested GVWR: 33000. Calc. GVWR: 33000 Calc. Start / Grade Ability: 32.87% / 2.32% @ 55 MPH Calc. Geared Speed: 71.4 MPH
DIMENSION:	Wheelbase: 195.00, CA: 120.00, Usable CA: 114.00, Axle to Frame: 114.00
ENGINE, DIESEL:	{Cummins ISB 250} EPA 10, 250 HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 250 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 3500_RDS_P} 5th Generation Controls; Wide Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT DRIVING:	{Fabco FSD-13A} Single Reduction, 13,000 lb Capacity
AXLE, REAR, SINGLE:	{Meritor MS-21-14X-4DFR} Single Reduction, 20,000-lb Capacity, R Wheel Ends Gear Ratio: 5.86
CAB:	Conventional
TIRE, FRONT:	(2) 11R22.5 G731 MSA (GOODYEAR) 497 rev/mile, load range H, 16 ply
TIRE, REAR:	(4) 11R22.5 G731 MSA (GOODYEAR) 497 rev/mile, load range H, 16 ply
SUSPENSION, RR, SPRING, SINGLE:	Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring
PAINT:	Cab schematic 100GM Location 1: 9036, Cool Gray Light (Std) Chassis schematic N/A



International Tandem Axle 7400 6x4 @ 56,000 GVWR

Model Profile 2016 7400 SBA 6X4 (SF625)

MISSION:	Requested GVWR: 54000. Calc. GVWR: 56000 Calc. Start / Grade Ability: 22.66% / 1.67% @ 55 MPH Calc. Geared Speed: 73.2 MPH
DIMENSION:	Wheelbase: 215.00, CA: 147.90, Usable CA: 141.90, Axle to Frame: 114.00
ENGINE, DIESEL:	{Navistar N9} EPA 10, SCR, 300 HP @ 2000 RPM, 860 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 300 Peak HP (MAX)
TRANSMISSION, AUTOMATIC:	{Allison 3500_RDS_P} 5th Generation Controls; Wide Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-16-143A} Wide Track, I-Beam Type, 16,000-lb Capacity
AXLE, REAR, TANDEM:	{Meritor MT-40-14X-4DFR-P} Single Reduction, 0.433"(11mm) Wall Housing Thickness, 40,000-lb Capacity, R Wheel Ends, With Lube Oil Pump Gear Ratio: 4.88
CAB:	Conventional
TIRE, FRONT:	(2) 315/80R22.5 UNISTEEL G291 (GOODYEAR) 491 rev/mile, load range J, 18 ply
TIRE, REAR:	(8) 11R22.5 UNISTEEL G177 (GOODYEAR) 493 rev/mile, load range H, 16 ply
SUSPENSION, REAR, TANDEM:	{Hendrickson RT-403} Walking Beam Type 52" Axle Spacing; 40,000-lb Capacity With Rubber Center Bushings
PAINT:	Cab schematic 100GN Location 1: 9036, Cool Gray Light (Std) Chassis schematic N/A

**Kenworth****Kenworth Single Axle**

T300 Series, 33,000 GVWR, 4x2, Conventional Cab	\$68,577.00
Ohio State Discount	-\$699.00
Ohio State Price	\$67,878.00

14,600 LB FAWR	+\$555.00
16,000 LB FAWR (Upgrade to engine as well to handle larger axle)	+\$6,806.00
23,000 LB RAWR	+\$779.00
PX7 300 HP Engine	+\$717.00
Vertical Exhaust	+\$460.00
4x4 Drive Train	+\$17,856.00
Rear Locking Differential	+\$817.00
Front Frame Extensions	+\$864
Heated, Motorized Side Mirrors	+\$355.00
6-Speed Manual Transmission	-\$3,517.00
Tilt Steering Column	+\$336.00
Driver Information Center	+\$174.00
AM/FM Bluetooth Radio	+\$269.00
Custom Paint	+\$250.00

Kenworth Tandem Axle

T300 Series, 54,600 GVWR, 6x4, Conventional Cab	\$84,623.00
Ohio State Discount	-\$863.00
Ohio State Price	\$83,760.00

6x6 Drive Train	+\$20,659.00
16,000 LB FAWR	+\$2,550.00
PX9 350 HP Engine	+\$1,305.00
Vertical Exhaust	+\$460.00
Rear Locking Differential	+\$817.00
200 Amp Alternator	+\$94.00
Front Frame Extensions	+\$864.00
Heated, Motorized Side Mirrors	+\$355.00
10 Speed Manual Transmission	-\$4,993.00
Tilt Steering Column	+\$336.00
Driver Information Center	+\$174.00
AM/FM Bluetooth Radio	+\$269.00
Hendrickson RT403 Rear Suspension	+\$742.00
Custom Paint	+\$250.00



Ford

Ford Single Axle

Ford F-550 Chassis, 4x2, Regular Cab, 165" WB	\$40,417.00
Ohio State Discount	-\$412.00
Ohio State Price	\$40,005.00

60" Clear CA	-\$170.00
4x4 Drive Train Option	\$3,222.00
Extended Cab	\$2,474.00
Power Windows and Power Locks For Extended Cab	\$749.00
Crew Cab	\$2,938.00
Power Windows and Power Locks For Crew Cab	\$926.00
V10 Gas Engine	-\$7,024.00
Heated Mirrors (For regular and super cab only)	\$750.00
XLT Package	\$2,645.00
40/Mini-Console/40 Cloth Seat	\$440.00



Ford Single Axle F-550 **4x2 Drive, Regular Cab, 165" WB**

Vehicle Snapshot

Engine: 6.7L 4V OHV Power Stroke Diesel V8 B20

Transmission: TorqShift 6-Speed Auto w/OD

Rear Axle Ratio: Limited Slip w/4.88

GVWR: 19,500 lb Payload Plus Upgrade Package

Powertrain

Powerstroke 6.7L V-8 OHV direct diesel injection 32 valve intercooled turbo diesel engine * 200 amp HD alternator * 750 amp (total) 78 amp hours (Ah) (total) battery dual batteries with run down protection * Engine block heater * 6-speed electronic SelectShift automatic transmission with overdrive, lock-up, driver selection * Rear-wheel drive * Limited slip differential, driveline traction control, power take-off provision * 4.88 axle ratio * Stainless steel exhaust

Steering and Suspension

Hydraulic power-assist re-circulating ball steering * 4-wheel disc brakes with front and rear vented discs * Firm ride suspension * Mono-beam non-independent front suspension * Front anti-roll bar * HD front coil springs * HD front shocks * Rigid rear axle * Rear leaf suspension * Rear anti-roll bar * HD rear leaf springs * HD rear shocks * Front and rear 19.5" x 6.00" argent steel wheels * LT225/70SR19.5 BSW AS front tires * AT rear tires

Safety

4-wheel anti-lock braking system * Daytime running lights * Dual airbags, passenger side front-impact cancellable airbag, seat mounted driver and passenger side-impact airbags, curtain 1st row overhead airbag * Front height adjustable seatbelts

Comfort and Convenience

Air conditioning * AM/FM stereo, clock, seek-scan, 2 speakers, fixed antenna * Cruise control with steering wheel controls * 2 12V DC power outlets * Analog instrumentation display includes tachometer, engine temperature gauge, turbo/supercharger boost gauge, transmission fluid temp gauge, engine hour meter, exterior temp, systems monitor, trip odometer * Warning indicators include oil pressure, engine temperature, battery, lights on, key, low fuel, door ajar, service interval, brake fluid * Steering wheel with tilt and telescopic adjustment * Manual front windows with light tint * Variable intermittent front windshield wipers * Passenger side vanity mirror * Day-night rearview mirror * Interior lights include dome light with fade, front reading lights * Glove box, front cupholder, instrument panel bin, dashboard storage * Upfitter switches

Seating and Interior

Seating capacity of 3 * 40-20-40 split-bench front seat with adjustable head restraints, center armrest with storage * 4-way adjustable driver seat includes lumbar support * 4-way adjustable passenger seat * Vinyl



Ohio STS Contract

faced front seats with vinyl back material * Full cloth headliner, full vinyl/rubber floor covering, urethane gear shift knob, chrome interior accents

Exterior Features

Side impact beams, front license plate bracket, fully galvanized steel body material * Black fender flares * Black side window moldings, black front windshield molding * Black door handles * Black grille * 2 doors * Trailer harness * Driver and passenger manual black folding manual extendable trailer outside mirrors * Front black bumper with front tow hooks * Aero-composite halogen headlamps * Additional exterior lights include cab clearance lights, underhood light * Clearcoat monotone paint * Snow plow provision



Dodge

Dodge Single Axle

Dodge Ram 5500 HD Chassis, 4x2, Regular Cab, 60" CA	\$41,020.00
Ohio State Discount	-\$418.00
Ohio State Price	\$40,602.00

84" Clear CA	\$159.00
4x4 Drive Train Option	\$2,647.00
Crew Cab	\$2,875.00
V-8 Hemi Engine	-\$7,850.00



Dodge Single Axle Ram 5500 4x2 Drive, Regular Cab, 60" CA

• VEHICLE REPORT

2015 RAM 5500 HD Chassis DP5L63 4x2 Regular Cab 144.5" WB 60" CA Tradesman/SLT

SELECTED MODEL

Code	Description
DP5L63	2015 RAM 5500 HD Chassis 4x2 Regular Cab 144.5" WB 60" CA Tradesman/SLT

SELECTED VEHICLE COLORS

Code	Description
-	Interior: DIESEL GRAY/BLACK
-	Exterior 1: BRIGHT WHITE CLEARCOAT
-	Exterior 2: No color has been selected.

SELECTED OPTIONS

Code	Description	Class
PACKAGES		
29A	Quick Order Package 29A Tradesman (DMK) 4.44 Rear Axle Ratio; Base Door Trim Panel	OPT
EMISSIONS		
NAS	50 State Emissions	OPT
POWERTRAIN		
ETK	Engine: 6.7L I6 Cummins Turbo Diesel 87 mph Maximum Speed; Cummins Turbo Diesel Badge; Current Generation Engine Controller; Diesel Exhaust Brake; Electronically Controlled Throttle; RAM Active Air; Selective Catalytic Reduction (Urea)	OPT
DF2	Transmission: 6-Speed Automatic Aisin AS69RC HD (Z5C) GVWR: 19,000 lbs; Tip Start	OPT
DMS	4.88 Rear Axle Ratio	INC
Z5C	GVWR: 19,000 lbs	INC
WHEELS & TIRES		

SELECTED OPTIONS

Code	Description	Class
WHEELS & TIRES (Continued)		
TUY	Tires: 225/70R19.5G All Position FT/RR Traction Continental Brand Tires	OPT
WP3	Wheels: 19.5" x 6.0" Steel	STD
SEATS & SEAT TRIM		
TX	HD Vinyl 40/20/40 Split Bench Seat	STD
OTHER OPTIONS		
APA	Monotone Paint Application Headlamp filler panels are black when ordering special paint (PX8, P12, P18, PYB, P64, PGC, P74, P62, PL1, PGW, P63, PB8).	STD
BAJ	220 Amp Alternator	INC
XKH	Clean Idle Emissions Label	OPT
XXS	Upfitter Electronic Module (VSIM)	OPT
NHK	Engine Block Heater	OPT
AZB	Heavy Duty Front Suspension Group	INC
AHD	Heavy Duty Snow Plow Prep Group (BAJ) 220 Amp Alternator; (AZB) Heavy Duty Front Suspension Group	OPT
AHQ	Max Tow Package (DMS) 4.88 Rear Axle Ratio; Transmission Software Calibration; Underbody Thermal Protection	OPT
LBV	Power Take Off Prep - Left Side Hard Wired Remote Start; Split Shaft Capability Power Take Off. Includes split shaft capability with ETK.	OPT
XHC	Trailer Brake Control	OPT
RA1	Radio: Uconnect 3.0 AM/FM	STD
FLEET OPTIONS		
LM1	Low Beam Daytime Running Headlamps	OPT

SELECTED OPTIONS

Code	Description	Class
INTERIOR COLORS FOR : PRIMARY (REGS)		
X8	Diesel Gray/Black	OPT
EXTERIOR COLORS FOR : PRIMARY (REGS)		
PW7	Bright White Clearcoat	OPT

OPTIONS TOTAL



Freightliner Single Axle (City of Cleveland) 4x2 Drive, Regular Cab, 60" CA

Freightliner Single Axle

Freightliner M2 106, 4x2, 33,000 GVWR, 85" Clear CA	\$87,655.00
Ohio State Discount	-\$894.00
Ohio State Price	\$86,761.00

111" Clear CA, 181" Wheelbase	+\$227.00
4x4 Drive Train Option	+\$361.00

Price Level

PRL-03M M2 PRL-03M (EFF:01/25/12)

Data Version

DRL-006 SPECPRO21 DATA RELEASE VER 006

Vehicle Configuration

001-172 M2 106 CONVENTIONAL CHASSIS

004-216 2016 MODEL YEAR SPECIFIED

002-004 SET BACK AXLE - TRUCK

019-001 TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK

003-001 LH PRIMARY STEERING LOCATION

General Service

AA1-003 TRUCK/TRAILER CONFIGURATION

AA6-001 DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)

A85-010 UTILITY/REPAIR/MAINTENANCE SERVICE

A84-1GM GOVERNMENT BUSINESS SEGMENT

AA4-011 FIXED LOAD COMMODITY



Ohio STS Contract

AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
AB1-008	MAXIMUM 8% EXPECTED GRADE
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
995-091	MEDIUM TRUCK WARRANTY
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 12000.0 lbs
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 21000.0 lbs
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 33000.0 lbs
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 45000.0 lbs

Truck Service

AA3-006	UTILITY BODY
A88-99D	EXPECTED TRUCK BODY LENGTH : 1.0 ft
AE2-99D	EXPECTED TRUCK BODY WIDTH : 96.0 in
A89-99D	BRAKING-EXPECTED CAB TO BODY CLEARANCE : 3.0 in
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in

Tractor Service

AA2-001	VAN TRAILER
AH6-001	SINGLE (1) TRAILER

Engine

101-2XD	CUM ISL 330 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM
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Electronic Parameters

79A-075	75 MPH ROAD SPEED LIMIT
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT
79K-007	PTO MODE ENGINE RPM LIMIT - 1100 RPM
79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM
79Q-003	PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND
79W-001	ONE REMOTE PTO SPEED
79X-007	REMOTE PTO SPEED 1 SETTING - 1000 RPM
80G-002	PTO MINIMUM RPM - 700
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH

Engine Equipment

99C-015	2015 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG14
99D-009	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LEFT SIDE OF HOOD)
13E-001	STANDARD OIL PAN



105-001	ENGINE MOUNTED OIL CHECK AND FILL
133-004	ONE PIECE VALVE COVER
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE
292-098	(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD BATTERIES
290-017	BATTERY BOX FRAME MOUNTED
281-001	STANDARD BATTERY JUMPERS
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
289-001	NON-POLISHED BATTERY BOX COVER
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR
131-013	AIR COMPRESSOR DISCHARGE LINE
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH



- 016-1C3 RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE
- 28F-002 ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
- 239-001 STANDARD EXHAUST SYSTEM LENGTH
- 237-052 RH STANDARD HORIZONTAL TAILPIPE
- 23U-001 6 GALLON DIESEL EXHAUST FLUID TANK
- 30N-003 100 PERCENT DIESEL EXHAUST FLUID FILL
- 43X-002 LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
- 23Y-001 STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
- 43Y-001 STANDARD DIESEL EXHAUST FLUID TANK CAP
- 273-018 HORTON DRIVEMASTER ON/OFF FAN DRIVE
- 276-001 AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED
- 110-003 CUMMINS SPIN ON FUEL FILTER
- 118-008 COMBINATION FULL FLOW/BYPASS OIL FILTER
- 266-013 1100 SQUARE INCH ALUMINUM RADIATOR
- 103-004 ANTIFREEZE TO -34F, NOAT EXTENDED LIFE COOLANT



- 171-007 GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
- 172-001 CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
- 270-016 RADIATOR DRAIN VALVE
- 168-002 LOWER RADIATOR GUARD
- 138-011 PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER
- 140-022 CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR
- 134-001 ALUMINUM FLYWHEEL HOUSING
- 132-004 ELECTRIC GRID AIR INTAKE WARMER
- 155-055 DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH

Transmission

- 342-582 ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

Transmission Equipment

- 343-339 ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV
- 84B-012 ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
- 84C-022 PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY



- 84D-022 SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- 84N-000 NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED
- 353-022 VEHICLE INTERFACE WIRING WITH BODY BUILDER CONNECTOR MOUNTED BACK OF CAB, NO BLUNT CUTS
- 34C-002 ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR MOUNTED BACK OF CAB
- 362-035 CUSTOMER INSTALLED CHELSEA 277 SERIES PTO
- 363-001 PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION
- 341-018 MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
- 345-003 PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED
- 97G-004 TRANSMISSION PROGNOSTICS - ENABLED 2013
- 370-015 WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK
- 346-003 TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK
- 35T-001 SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

- 400-1A6 DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE



402-020	MERITOR 15X4 Q+ CAM FRONT BRAKES
403-002	NON-ASBESTOS FRONT BRAKE LINING
419-023	CONMET CAST IRON FRONT BRAKE DRUMS
427-001	FRONT BRAKE DUST SHIELDS
409-021	SKF SCOTSEAL PLUS XL FRONT OIL SEALS
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
536-050	TRW THP-60 POWER STEERING
539-003	POWER STEERING PUMP
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR
40T-001	ORGANIC SAE 80/90 FRONT AXLE LUBE

Front Suspension

620-1F0	12,000# DUAL TAPERLEAF FRONT SUSPENSION
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION
410-001	FRONT SHOCK ABSORBERS

Rear Axle and Equipment

420-1N0	MS-21-14X 21,000# R-SERIES SINGLE REAR AXLE
421-557	5.57 REAR AXLE RATIO
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING

386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
433-002	NON-ASBESTOS REAR BRAKE LINING
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)
451-023	CONMET CAST IRON REAR BRAKE DRUMS
440-021	SKF SCOTSEAL PLUS XL REAR OIL SEALS
426-074	HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS
41T-001	ORGANIC SAE 80/90 REAR AXLE LUBE

Rear Suspension

622-1MJ	23,000# 52 INCH VARIABLE RATE MULTI- LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER
621-001	SPRING SUSPENSION - NO AXLE SPACERS
431-001	STANDARD U-BOLT PAD

Brake System

018-002	AIR BRAKE PACKAGE
490-100	WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
904-001	FIBER BRAID PARKING BRAKE HOSE
412-001	STANDARD BRAKE SYSTEM VALVES
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
413-002	STD U.S. FRONT BRAKE VALVE
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
480-086	BW AD-9SI BRAKE LINE AIR DRYER WITH HEATER
479-015	AIR DRYER FRAME MOUNTED
460-001	STEEL AIR BRAKE RESERVOIRS
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS

Trailer Connections

914-001	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS
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- 296-027 PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE
- 297-001 SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME
- 335-004 UPGRADED CHASSIS MULTIPLEXING UNIT
- 32A-002 UPGRADED BULKHEAD MULTIPLEXING UNIT

Wheelbase & Frame

- 545-387 3875MM (153 INCH) WHEELBASE
- 546-100 11/32X3-1/2X10-3/16 INCH STEEL FRAME -120
(8.73MMX258.8MM/0.344X10.19 INCH)
120KSI
- 552-030 1600MM (63 INCH) REAR FRAME
OVERHANG
- 55W-006 FRAME OVERHANG RANGE: 61 INCH TO
70 INCH
- AC8-99D CALC'D BACK OF CAB TO REAR SUSP C/L
(CA) : 87.45 in
- AE8-99D CALCULATED EFFECTIVE BACK OF CAB TO
REAR SUSPENSION C/L (CA) : 84.45 in
- AE4-99D CALC'D FRAME LENGTH - OVERALL :
245.39
- AM6-99D CALC'D SPACE AVAILABLE FOR
DECKPLATE : 87.45 in
- FSS-0LH CALCULATED FRAME SPACE LH SIDE :
122.8 in
- FSS-0RH CALCULATED FRAME SPACE RH SIDE :
91.11 in



553-001	SQUARE END OF FRAME
550-001	FRONT CLOSING CROSSMEMBER
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)
572-063	STANDARD REARMOST CROSSMEMBER W/ DOUBLE STANDARD CROSSMEMBER SPACING
565-001	STANDARD SUSPENSION CROSSMEMBER

Chassis Equipment

556-1AP	THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS
558-001	FRONT TOW HOOKS - FRAME MOUNTED
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS

Fuel Tanks

204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH
218-005	RECTANGULAR FUEL TANK(S)
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS
212-007	FUEL TANK(S) FORWARD



664-001	PLAIN STEP FINISH
205-001	FUEL TANK CAP(S)
122-076	ALLIANCE FUEL FILTER/WATER SEPARATOR WITH HEATED BOWL
216-020	EQUIFLO INBOARD FUEL SYSTEM
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

Tires

093-1G4	MICHELIN XZE2 11R22.5 14 PLY RADIAL FRONT TIRES
094-0DH	MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES

Hubs

418-056	CONMET PRESET PLUS IRON FRONT HUBS
450-056	CONMET PRESET PLUS IRON REAR HUBS

Wheels

502-717	ACCURIDE 50408 ACCU-LITE 22.5X8.25 10-HUB PILOT 6.16 INSET 2-HAND STEEL DISC FRONT WHEELS
505-717	ACCURIDE 50408 ACCU-LITE 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS
496-011	FRONT WHEEL MOUNTING NUTS
497-011	REAR WHEEL MOUNTING NUTS

Cab Exterior

829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
650-008	AIR CAB MOUNTS



646-009	PAINTED PLASTIC GRILLE
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE
644-004	FIBERGLASS HOOD
727-1AF	SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK
726-002	DUAL ELECTRIC HORNS
728-001	SINGLE HORN SHIELD
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME
575-001	REAR LICENSE PLATE MOUNT END OF FRAME
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY
302-001	(5) AMBER MARKER LIGHTS
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS
300-015	STANDARD FRONT TURN SIGNAL LAMPS
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE
797-001	DOOR MOUNTED MIRRORS
796-001	102 INCH EQUIPMENT WIDTH
743-204	LH AND RH 8" BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS
729-001	STANDARD SIDE/REAR REFLECTORS
768-043	63X14 INCH TINTED REAR WINDOW



- 661-004 TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS
- 654-011 RH AND LH ELECTRIC POWERED WINDOWS
- 663-013 TINTED WINDSHIELD
- 659-019 2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED

Cab Interior

- 707-1AM OPAL GRAY CLOTH INTERIOR
- 706-026 MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR
- 708-026 MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR
- 772-006 BLACK MATS WITH SINGLE INSULATION
- 785-001 DASH MOUNTED ASH TRAYS AND LIGHTER
- 691-008 FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
- 694-010 IN DASH STORAGE BIN
- 742-007 (2) CUP HOLDERS LH AND RH DASH
- 680-006 GRAY/CHARCOAL FLAT DASH
- 860-004 SMART SWITCH EXPANSION MODULE
- 700-002 HEATER, DEFROSTER AND AIR CONDITIONER
- 701-001 STANDARD HVAC DUCTING



703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
170-015	STANDARD HEATER PLUMBING
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR
702-002	BINARY CONTROL, R-134A
739-033	STANDARD INSULATION
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM
324-011	DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF
655-005	LH AND RH ELECTRIC DOOR LOCKS
284-023	(1) 12 VOLT POWER SUPPLY IN DASH
756-1D9	PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER
760-1D9	PREMIUM HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS

758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER
763-012	3 POINT HIGH VISIBILITY ORANGE RETRACTOR DRIVER AND PASSENGER SEAT BELTS
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

732-004	GRAY DRIVER INSTRUMENT PANEL
734-004	GRAY CENTER INSTRUMENT PANEL
87L-003	ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS
870-001	BLACK GAUGE BEZELS
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
838-001	(1) SINGLE BRAKE APPLICATION AIR GAUGE
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL



156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
157-007	MANUAL REMOTE ENGINE START/STOP WITH PTO RE-ENGAGE
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
160-025	DIAGNOSTIC INTERFACE CONNECTOR, 9 PIN, SAE J1939, LOCATED BELOW DASH
844-001	2 INCH ELECTRIC FUEL GAUGE
148-072	ENGINE REMOTE INTERFACE WITH MULTIPLE SET SPEEDS
163-001	ENGINE REMOTE INTERFACE CONNECTOR AT BACK OF CAB
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
372-073	(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP - PARK BRAKE AND NEUTRAL INTERLOCK FOR CUSTOMER INSTALLED PTO
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE
679-001	OVERHEAD INSTRUMENT PANEL
35M-003	SMARTPLEX HUB MODULE WITH OVERHEAD SWITCH MOUNTING, CENTER CONSOLE (6 SWITCH SLOTS)



- 746-1B3 AM/FM/WB RADIO WITH BLUETOOTH AND MICROPHONE, FRONT USB PORT, FRONT AND REAR AUXILIARY INPUTS AND J1939
- 747-001 DASH MOUNTED RADIO
- 750-002 (2) RADIO SPEAKERS IN CAB
- 753-001 AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF
- 748-006 POWER AND GROUND WIRING PROVISION OVERHEAD
- 749-001 ROOF/OVERHEAD CONSOLE CB RADIO PROVISION
- 810-027 ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
- 817-001 STANDARD VEHICLE SPEED SENSOR
- 812-001 ELECTRONIC 3000 RPM TACHOMETER
- 162-011 IDLE LIMITER, ELECTRONIC ENGINE
- 81Y-001 PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH
- 44R-006 6 ON/OFF LATCHING SMARTPLEX SWITCHES
- 482-001 BW TRACTOR PROTECTION VALVE
- 883-001 TRAILER HAND CONTROL BRAKE VALVE
- 836-015 DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
- 660-001 SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY AND ARCTIC TYPE BLADES

304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH
882-021	TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

Design

065-000	PAINT: ONE SOLID COLOR
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Color

980-5F6	CAB COLOR A: L0006EB WHITE ELITE BC
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX

Certification / Compliance

996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS
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Options

(Only available as an option with the purchase of an aerial or derrick device. Not available for individual sale)

Description	
360 Degree Rotation Recessed Swivel D-Ring in Cargo Floor (each)	\$104.00
Standard D-Ring, Weld On Style	\$113.00
Wire Cask Bracket, Wire Style	\$139.00
3 Gallon Water Cask	\$75.00
5 Gallon Water Cask	\$84.00
Safety Harness and 4.5' Lanyard (Fits Medium to X-Large), Includes Pouch and Placards	\$133.00
Stainless Steel Straight Grounding Lug (each)	\$87.00
Hannay Spring Loaded Grounding Reel, 50' of 1/0 Cable, Grounding Clamp	\$1,159.00
50' of 1/0 Cable, One (1) Grounding Clamp, One (1) End Installed	\$388.00
Post Mounted Spotlight, 'A' Pillar Installed (each)	\$275.00
Unity Combination Spot/Flood Light with Chrome Housing (each)	\$232.00
Whelen Perimeter Enhancement Light (each)	\$325.00
Streamlight with Vehicle Mounted Holder and Charger	\$275.00
GoLight with Wireless Controller	\$394.00
GoLight with Dash Mounted Wired Controller	\$372.00
NiteRay with Wireless Controller	\$629.00
NiteRay with Dash Mounted Wired Controller	\$607.00
Reverse/Work Flood Lights, LED, Rectangular	\$115.00
Cargo Wall Light, LED, 4 inch Diameter, Grommet Mounted	\$175.00
4 Corner Strobe System, 4 inch Amber LED Lights Installed at the Rear, Grille Mounted Strobes at the Front	\$475.00
Altec Backup Camera, 7" Monitor, Heated Infrared Camera with Day/Night Sensor And Audio	\$742.00
1200 Watt Pure-Sine Wave Inverter	\$1,294.00
2400 Watt Pure-Sine Wave Inverter	\$2,197.00
120 Volt GFCI Weatherproof Receptacle	\$207.00
12 Volt Receptacle, Weatherproof	\$112.00
MY-TE Electric Capstan, 800 LB Capacity Single Line, With Foot Controls	\$2,137.00
PTO Hour Meter, Rectangular, 10,000 Hour Display	\$130.00
Soft Copper Wire Spool Rack, Holds Four Reels, Remove One Reel Without Removing Other Reels	\$338.00
Material Rail, 72" Length, Six Sliding Hooks	\$339.00
Wire Storage, Bicycle Style Rack, 30" L x 28" W x 20" H, Five Sections	\$332.00
Vise Mounting Bracket, Removable V-Style, Retaining Pin	\$328.00
Wilton Vise, 6.5" Jaw with 5.5" Opening, Swivel Base	\$142.00
Transformer Bracket	\$275.00
Slide-N-Lock Assembly, Up to 60" in Length	\$237.00
EZ-Step Pull Out Access Step, Two Rung Step, in lieu of Standard Step	\$238.00
Cross Storage Located at the Tailshelf, Two Drop Down Doors with Keyed	\$404.00



Ohio STS Contract

Latches (If Applicable)	
Storage Compartment Between Chassis Frame Rails, Punched Metal with Drop Down Door and Keyed Latch	\$413.00
Braden PD18 Front Bumper Winch Assembly (Please select a controller)	\$7,940.00
Braden PD35 Front Bumper Winch Assembly (Please select a controller)	\$12,400.00
Braden PCD24B Hydraulic Capstan, 20 GPM, 3000 LBS (Please select a controller)	\$3,795.00
Braden PDC24B Hydraulic Capstan, 30 GPM, 6000 LBS (Please select a controller)	\$4,262.00
Winch Controller, Remote Mounted, Air Single Axis	\$894.00
Winch Controller, Remote Mounted, Cable Single Axis	\$769.00
Winch Controller, Remote Mounted, Electrohydraulic Single Axis	\$2,082.00
Winch Cable, 250' of 1/2" IWRC	\$539.00
Winch Cable, 200' of 5/8" IWRC	\$597.00
Quick Hook, 5 Ton, For Winch	\$67.00
Shackle, Screw Pin, 21 Ton	\$165.00
Collapsible Reel (CR Reel)	\$882.00
Stationary Storage Bracket For Collapsible Reel (CR Reel)	\$288.00
Amber Strobe Beacon	\$222.00
Top Opening Steel Box, 36"x18"x12"	\$867.00
Top Opening Steel Box, 72"x18"x12"	\$983.00
Top Opening Steel Box, 120"x18"x12"	\$1,410.00
PVC Canister Kit, 8" Diameter Pipe, 124" L, Aluminum Caps	\$283.00
Punched Steel Open Top Storage Bin, 36"x18"x12"	\$447.00
Punched Steel Open Top Storage Bin, 72"x18"x12"	\$487.00
Ladder Rack, 126" L, Roller and Retaining Strap, Steel	\$1,060.00
Top Opening Aluminum Box, 36"x18"x12"	\$953.00
Top Opening Aluminum Box, 72"x18"x12"	\$1,083.00
Top Opening Aluminum Box, 120"x18"x12"	\$1,562.00
Punched Aluminum Open Top Storage Bin, 36"x18"x12"	\$482.00
Punched Aluminum Open Top Storage Bin, 72"x18"x12"	\$527.00
Cone Holder, Post Style	\$134.00
Platform Liner, 24"x30"	\$443.00
Platform Liner, 24"x48"	\$493.00
Platform Cover, 24"x30", Soft Vinyl	\$55.00
Platform Cover, 24" x48", Soft Vinyl	\$93.00
Rubber Belted Step	\$291.00
Hydraulic Pole Tamper, 3' Handle With Valve	\$1,469.00
Two-Part Load Line, With Snatch Block And Clevis	\$760.00