

# CITY OF NILES, OHIO – LIGHT AND POWER DEPARTMENT

## DETAILED SPECIFICATIONS FOR 55' INSULATED OVERCENTER AERIAL TOWER WITH STAINLESS STEEL SERVICE BODY AND INTERNATIONAL CHASSIS CAB

The purpose of this specification is to describe a 55' articulating over-center aerial tower and a stainless-steel service body to be mounted on a 37,000# GVWR chassis. The aerial tower and associated equipment are to be manufactured, installed, and tested in accordance with all Federal, State, and Local laws and regulations in effect at the time of delivery. This includes, but is not limited to ANSI A92.2 and OSHA.

### AERIAL TOWER AND ACCESSORIES

### COMPLY

Height to bottom of platform 55' minimum.

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Working height 60' minimum.

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Non-horizontal side reach of 36' and an over-center side reach of 48.3'

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Articulating over-center booms arranged in a stacked boom configuration. side by side boom configuration is unacceptable.

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Upper boom travel to be approximately 195 degrees relative to lower boom. The upper boom articulation shall be accomplished hydraulic cylinder only, without the use of cables or chains.

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Upper and lower booms must be rectangular in shape for strength and rigidity.

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**UPPER BOOM** – Constructed from 10.5" x 12.5" rectangular high strength filament wound epoxy resin fiberglass which is bonded and bolted to steel weldments at each end. The fiberglass section has a gel coat and high gloss urethane finish for added weather protection and water beading. The upper boom is articulated 195 degrees by one double acting cylinder with two holding valves through a mechanical linkage. An upper boom storage cradle mounted on the lower boom assures solid boom support in the stowed position. Upper boom shall be tested at 100KV and certified for Category "B" 46KV with an electrical test band on the upper boom.

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**AUTOMATIC BOOM LATCH** – The automatic boom latch is designed to automatically restrain the upper boom in the cradle when stowed and automatically release when the boom has hydraulic pressure. The latch is actuated by a hydraulic cylinder and includes a manual over-ride to open the latch without hydraulic power.

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**LOWER BOOM** – Constructed from 12" x 14" cross-section high strength steel and a filament wound, high strength, epoxy resin fiberglass insert. The fiberglass insert provides a 24" insulation gap.

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**LOWER BOOM REST** – Shall mount on a heavy-duty support above the front "A" frame outriggers. The rest shall consist of UHMW plastic composite material with two wedge pieces on the sides and one solid section on the bottom.

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**DUAL 1-MAN PLATFORMS** – Two single person; 300# side mounted fiberglass platforms (24" x 30" x 42" nominal size), each with:  
one (1) centered outside step,  
Scuff pad with an inside toe step for bucket with liner,  
An Estex ergonomic bucket pad for the bottom,  
Two (2) lanyard attachment points,  
Controls for 90 degree hydraulic platform rotation on each,  
Controls for each hydraulic platform tilt,  
Rubber cushion support under each platform,  
50 KV platform liners,  
Vinyl platform covers with lanyards.

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**AUTOMATIC PLATFORM LEVELING** – The platform is automatically leveled throughout the entire boom working range. In the upper boom this accomplished by an enclosed parallelogram mechanical system. The major components of this system are 3/4" diameter fiberglass rods, and ANSI #120 roller chain. The fiberglass rods maintain the insulation gap in all boom positions and are 100% tested at twice the rated load. In the lower boom the leveling is accomplished by a hydraulic master-slave arrangement. This system consists of a double acting hydraulic slave cylinder driven by a double acting hydraulic master cylinder. The system includes holding valves to lock the leveling in case of a hose failure and a relief valve to limit leveling system pressure.

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**HYDRAULIC PLATFORM TILT** – A lever at the platform tilts the platform for rescue or clean-out. This is accomplished by overriding the slave hydraulic cylinder, which drives the mechanical leveling system. A second control lever at the lower control station (turret) for rescue is mandatory.

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**PLATFORM CONTROLS** - Includes a 3-Axis single handle controller with safety trigger, controls for emergency stop, platform stow/unstow, platform rotation, and jib/winch operation. Also includes dual hydraulic tools with a 2000 psi reducing valve. Control valves are full pressure, full flow, manual type valves.

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**UPPER CONTROL ISOLATION** – This advance upper controls isolation system provides 4" of electrical isolation for the primary upper control, including the control dash panel. This system also includes a protective shield which helps prevent environmental and work-related contaminants from making direct contact with the isolating surfaces.  
**Must be certifiable in the annual dielectric testing.**

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**HYDRAULIC EXTEND HYDRAULIC TILT 6.5 FT JIB AND WINCH –**

The material handling jib pole hydraulically articulates from +90 degrees to -35 degrees, and the pole hydraulically extends to 78" (2.0 m) in three 18" increments. A self-locking worm gearbox hydraulically powers the winch, which is rated at 2000 lbs. full drum and includes 75' of 9/16" diameter polyester rope with clevis hook. A control valve for the winch is provided at both the upper and lower controls.

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**BOOM CYLINDERS** – The upper and lower booms are each powered by a double acting cylinder equipped with two integral holding valves. The rod eyes for both cylinders are attached by threading and welding. Both cylinders are fully retracted when stowed, protecting the rod from damage and rust.

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**TURRET** – Fixture welded steel structure is constructed from 3/4" thick plate wings and a 1.5" thick base plate. The base plate is machined flat to support the rotation bearing and gearbox.

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**LOWER CONTROLS** – Consists of individual control levers mounted on the turret which actuate the lower boom, upper boom, boom rotation, bucket tilt, and winch. The lower controls also include an upper control over-ride/e-stop. The lower control valve is a full pressure, full flow manual type valve.

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**CONTINUOUS ROTATION** - Rotation is continuous and unrestricted in either direction. The rotation system consists of a hydraulically driven worm and spur gear acting on a shear-ball rotation bearing. The critical bolts holding the lift to the rotation bearing and the rotation bearing to the pedestal are grade 8. These critical bolts are torque seal marked to provide a quick means of detecting any loosening. An eccentric ring gearbox mounting allows for precise backlash adjustments.

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**PINS, BEARINGS, AND LUBRICATION** – Pivot pins are made from high strength hard chrome plated steel with fiberglass reinforced Teflon non-lube bearings. Only the rotation bearing and leveling chains require lubrication. Pivot points with grease zerks are unacceptable.

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**PEDESTAL** - The pedestal is a fabricated steel structure incorporating a 1.5" thick top plate which is machined flat to support the rotation bearing.

**OIL RESERVOIR** – 30-gallon bulkhead mount reservoir. Includes cleanout, 10 microns return filter that can be replaced without draining the reservoir, filter gauge, 100 mesh suction screen, gate valve, and magnetic drain plug. Install a breather vent above the tank mounting height. Reservoir shall be filled with aircraft type hydraulic oil.

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**HOSES AND FITTINGS** - The high-pressure hoses routed through the booms are non-conductive hoses with swaged hose end fittings. Retainers are used to separate the hoses inside the booms to prevent chafing and nylon sleeves are installed over hoses at points of movement. Reusable hose fittings can be installed if a hose is damaged.

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**HYDRAULIC SYSTEM** - The open center hydraulic system operates at 3000 PSI and provides up to 8 GPM. With the two-speed throttle control, the system provides up to 8 GPM at engine idle and 12 GPM with throttle two speed advanced. Including the following:

- AeroShell Mil-spec hydraulic oil utilized in the reservoir and system.
- Open center hydraulic system with single stage hydraulic pump providing
- Hydraulic power for aerial tower or front mounted winch.
- Electric shift power take-off with dash mounted indicator light and control.
- PTO integration with chassis parking brake and transmission neutral.

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**MANUAL TWO SPEED THROTTLE** – Advances the engine idle speed to provide efficient boom speeds. At engine idle, the system provides the desired flow for hydraulic tools. An air cylinder at the upper controls and a toggle switch at the lower controls operate the system. This option requires the use of an additional pass in the collector.

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**ELECTRICAL INSULATION SPECIFICATIONS** - The upper boom is tested and certified according to ANSI A92.2 Category “B” dielectric rating requirements. This allows the unit to be rated at the design voltage of 46kv and below. The chassis insulating system (lower boom insert) is also tested and certified according to ANSI A92.2. Vacuum prevention for all the hydraulic hoses routed through the insulated booms is standard.

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**OUTRIGGER/BOOM INTERLOCK** - The outrigger/ boom interlock option is a feature designed to prevent the lift from being operated until the outriggers contact the ground and put upward pressure on the outrigger switch. The interlock also prevents the outriggers from being retracted before the aerial lift is properly stored in the boom rest.

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**SUB-FRAME** – The full-length sub-frame is constructed of 3" x 6" rectangular tubing 3/8" plate. Shear plates attach it to the vehicle chassis.

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**A-FRAME OUTRIGGERS** - A-frame outriggers are designed and constructed from high-strength steel. At maximum extension the outriggers provide 162" of spread and from 6" to 9" of penetration based on a 40" frame height. Outrigger controls must be featherable hydraulic controls. Outriggers are equipped with pilot operated check valves, internal thermal relief valves, and separate operating controls for each outrigger and an outrigger/boom selector switch. Slide pads at each leg ensure smooth operation. Install oversized 14" x 18" steel pads on feet. Install counterweight as required for stability per ANSI A92.2

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**SLOPE INDICATORS** - Slope indicators shall be installed on rear and side to indicate the level of the rotation bearing relative to the ground. \_\_\_\_\_

**PAINTING** - The aerial components must be primed and painted prior to assembly. The color shall be Dupont code 43007A urethane. **Powder coating is unacceptable.** \_\_\_\_\_

**MANUALS** - Two Operator's Manuals and two Service Manuals included \_\_\_\_\_

**AERIAL ACCESSORIES:**

Lighted dash switches for auxiliary 12-volt equipment. \_\_\_\_\_

One (1) set of hydraulic tool outlets located at platform with Fairmont 54923 and 54924 HTMA disconnects. Lower hydraulic tool circuit at right rear under tailshelf with Fairmont 54923 and 54924 HTMA disconnects. Install fittings as high as possible under the right side tailshelf, not on pintle hitch plate. \_\_\_\_\_

Hydraulic pressure and flow limit at upper and lower tool circuits, limiting pressure to 2000 PSI and hydraulic flow from 4-7 GPM. \_\_\_\_\_

Remote engine stop/start system with upper, lower, and curbside rear controls. \_\_\_\_\_

Manual two-speed engine throttle system with upper, lower, and curbside rear controls. \_\_\_\_\_

12-volt emergency power system with upper and lower controls. \_\_\_\_\_

Five (5) electrical slip rings for auxiliary 12-volt functions. \_\_\_\_\_

**FRONT MOUNTED WINCH**

- Braden model PD18C-12 FEB 18K-20K front bumper winch assembly installed on an International MV607 chassis cab. Includes complete bumper package, curbside extended shaft, 4-way roller, and integral tool box. Winch installation shall permit full range of motion for tilt hood.
- Heavy duty front draw bar, integral with bumper.
- Rubber dock bumpers each side.
- Hydraulic hose and fitting kit with Mil-spec hydraulic oil for aerial tower and winch hydraulic system. Single stage gear pump assembly flange mounted to PTO.
- Gresen single spool heavy duty hydraulic control valve for front winch operations. Includes control handle on curbside front winch extension.
- Electrically operated remote pendant foot switch control for winch payin/payout operations, tethered to a 15' cable with quick disconnect located on curbside of front winch assembly.
- Weatherproof two speed engine throttle control adjacent to winch control handle.
- 1/2" x 250' IWRC 6x37 wire rope assembly with eye installed on front winch with "S" hook.
- Orange snowplow marker each side on front bumper.
- Black non-skid paint applied to walk areas on top of bumper assembly.
- Complete installation with finish paint to match Dupont code 43007A yellow

**COMPLY ON ALL OF WINCH** \_\_\_\_\_

## **AERIAL LINE BODY- MATCH OUR 2017 BODY # DB25358**

Special Dakota Northlander Stainless steel line body, 156" long, 94" wide, with 18" deep side compartments, suitable for mounting on a medium duty dual rear wheel chassis with a 112" CA dimension, with 15" clearance between cab and body for front outriggers. Includes the following:

- Double panel body doors with stainless steel outer door panels
- Stainless steel main body shell, fender panels, tailshelf side skirts, and tailshelf light bar.
- Stainless steel wheelhouse liners.
- Stainless steel door hinges and sockets.
- 6" steel body understructure. **Floor to top of body measurement of 30"**.
- Body modification allowing independent installation of aerial tower, subframe, and outriggers.
- Galvanneal steel treadplate cargo area and tailshelf floors.
- Automotive style rotary door locks with stainless steel paddle handles, pop riveted in place, with all locks keyed alike.
- Spring loaded overcenter door holders on vertical compartment doors.
- Automotive bulb type rubber door seals.
- Radius fender cutouts with rubber fenderettes.
- Outrigger cutouts and covers at rear bottom of each rear vertical compartment.
- Finish paint body exterior, door interiors, compartment interiors, tailshelf, and all accessories with two (2) finish coats to match Dupont code 43007A yellow.

**COMPLY ON ALL** \_\_\_\_\_

## **CURBSIDE COMPARTMENTATION**

**First Vertical 24"** - Five (5) swivel material hooks installed as high as possible, 1-3-1. Hooks to be made of 1/2" round stock with 4" throat openings.

Gang door lock for this compartment only, extending out front body panel.

**Second Vertical 24"** - Access opening to body cargo area. Three (3) gripstrut steps in access opening, two (2) evenly spaced, with bottom step under the bottom of body sidebox. Includes (2) grab handles mounted on a 45-degree angle; (1) rear of curbside #1 compartment, and (1) on the front of the horizontal compartment near cargo area.

6" high removable composite retainer board at floor level across access opening.

**Third Vertical 20"** - Five (5) swivel material hooks installed as high as possible, 1-3-1. Hooks to be made of 1/2" round stock with 4" throat openings.

**Fourth Horizontal 58"**- single horizontal drop down door, including the following:

Four (4) 3" high pull-out material drawers in the front section of compartment, approximately 20" wide, with removable crisscross dividers. Drawers to be mounted on Grant slides with spring loaded latches. Includes full height vertical partition to the rear of drawers.

Fixed shelf from vertical partition rearward, 10" down from the top, with adjustable dividers.

Two (2) pull out material drawers, approximately 3" deep x 14" wide, mounted side by side under the fixed shelf. Drawers with removable crisscross dividers, grant slides & spring-loaded latches.\

**Fifth Vertical 30"** - Five (5) swivel material hooks installed as high as possible, 1-3-1. Hooks to be made of 1/2" round stock with 4" throat openings. Provide an additional five (5) swivel material hooks, 1-3-1, 18" from bottom of compartment to bottom of throat.

## **STREETSIDE COMPARTMENTATION**

**First Vertical 48"** - double door compartment, to include the following:

Full length fixed divider shelf installed 12" down from top with sixteen (16) adjustable dividers.

Vertical partition extended 24" below fixed shelf to divide center of compartment into two (2) equal 24" wide sections.

Front section to include three (3) adjustable divider shelves with (6) dividers for each shelf.

Rear section to include six (6) 3" pull-out material drawers with removable crisscross dividers, mounted on grant slides with spring-loaded latches.

Lower section under drawers and shelves is to be open for bulk storage.

**Second Vertical 20"** -Three (3) adjustable shelves with adjustable dividers.

**Third Horizontal 58"**- Full length fixed shelf 12" down from top with plywood on shelf. Bottom open with plywood on bottom. Install compartment vent in rear.

**Fourth Vertical 30"** - Three (3) adjustable shelves with adjustable dividers.

## **COMPLY ON ALL OF BODY COMPARTMENTATION**

## **BODY ACCESSORIES**

28" full width steel treadplate tailshelf installed at rear, level with cargo area floor. Stainless steel side skirts angling up from bottom rear edge of body to bottom rear edge of tailshelf riser panel. Tailshelf rear light bar to be stainless, 6" high.

24" wide, 12" high through tunnel located under front section of tailshelf, with a drop-down door with slam action latch on each side. Rear chassis frame rails / extensions to be modified to accept the additional height of this compartment.

ICC structural steel channel rear bumper installed at rear, attached and reinforced to bottom of pintle hook mounting channel, with a gripstrut step on top of bumper each side. Gripstrut to extend beyond rear edge of tailshelf.

Round steel loop style grab rail each side at rear near outside edge of body, running from top of rear body panel and tapering down to rear edge of tailshelf.

BP125A pintle hook installed at rear with frame reinforcements and safety chain eyes. Ground to throat measurement of 20". Includes special brackets and reinforcement as required for rear frame rail modifications.

Aluminum gripstrut steps each side in cargo area and on top of storage boxes as required for access to aerial tower platform.

Reese receiver vise mounting bracket installed on left frame rail. Vise to store under tailshelf, extending for use past the tailshelf riser. Includes installation of Wilton 6" vise.

Two (2) recessed flush mounted swivel "D" ring tie-downs, one (1) each side centered just aft of each rear sidebox in tailshelf floor.

Two (2) D-ring tie downs, one (1) on the rear of each rear outrigger housing.

Two (2) storage brackets stacked each side at rear under body complete with Sauber 24x24 aluminum outrigger pads.

156" long, 7" wide, 21" high aluminum treadplate ladder box installed against streetside sidebox in cargo area, open at rear, with bottom rear roller and retainer bar. Box to be mounted flush with rear body panel.

108" long, 10" wide, 8" aluminum treadplate hotstick box, installed at streetside rear above ladder box, flush with rear of body. Box to be rubber lined and ventilated, with a weatherproof drop down rear access door with latch.

## **COMPLY ON ALL BODY ACCESSORIES**

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## **BODY ACCESSORIES CONTINUED:**

Aluminum treadplate rubber goods storage box installed on top of streetside sidebox, 120" long, 18" wide, 12" high, with two (2) independent top opening weatherproof lids with grab handles. Lids to be sealed with bulb type rubber door seals, with gas struts to hold each in the open position for access from the cargo area. Box to be mounted flush with the front and outside edge of side box. Includes aluminum gripstrut full width and length of each lid, raised ½" to ¾" for cleanout. Box to be ventilated and rubber lined on bottom and sides.

Aluminum treadplate storage box installed on top of streetside sidebox to rear of rubber goods box, 24" long, 18" wide, 12" high, with a drop-down rear access door at rear. Door to be sealed with bulb type seals with a slam action paddle latch.

Aluminum treadplate rubber goods storage box installed on top of curbside sidebox, 76" long, 18" wide, 12" high, with a top opening weatherproof lid with grab handle. Lids to be sealed with bulb type rubber door seals, with gas struts to hold it open position for access from the cargo area. Box to be mounted flush with the #2 access opening and outside edge of side box. Includes aluminum grip strut full width and length of each lid, raised ½" to ¾" for cleanout. Box to be ventilated and rubber lined on bottom and sides.

Rope rail with six (6) sliding hooks made of 5/8" round stock, installed across front of cargo area attached to rear of boom rest, spaced 48" above cargo floor.

Install (2) 8" PVC storage tubes installed between cab and body above outriggers, flush with curbside edge of body, with aluminum canister container kits for access from curbside.

Removable covers installed on front bulkhead for outrigger service.

Two (2) heavy duty payout reels, one (1) Bashlin model 900S and one (1) GMP model 7598, installed in cargo area; locations to be determined.

Enclose rear area under tailshelf between chassis frame rails for storage, as long as possible, with expanded metal, open at rear, with 1" bottom rear lip.

Swing-out ground spool reel carrier installed at curbside rear on top of sidebox to carry three (3) spools of ground wire.

Four (4) rubber wheel chocks and holders, two (2) each side, recessed in wheelhouse fender panel.

Cone holder post installed at streetside rear on bumper step.

5-gallon plastic water cask and stand installed on top of the curbside #1 compartment.

Galvanized shielding installed over exhaust in hydraulic component areas.

## **COMPLY ON ALL BODY ACCESSORIES**

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## **BODY ACCESSORIES CONTINUED:**

Mud flaps installed behind rear wheels.

Red/white conspicuity tape installed along sides and rear of vehicle as directed by the City of Niles.

10# fire extinguisher with bracket, first aid kit, and triangle reflector kit.

Non-skid paint applied to cargo area and tailshelf floors.

Complete installation of body and accessories.

## **COMPLY ON ALL BODY ACCESSORIES**

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## **ELECTRICAL ACCESSORIES**

Truck Lite LED recessed shock mounted lighting package installed on body to meet F.M.V.S.S. # 108. All rear lights are recessed in tailshelf riser, including one (1) combination LED stop/tail/turn signal and LED back up light on each side. Cut one (1) additional hole for additional Whelen 2Qgaofar strobes (1) on each side of the tailshelf riser next to the back-up lights

Two (2) additional LED combination stop/tail/turn signals, one (1) each side recessed up high in each rear body panel.

License plate light and holder streetside rear under tailshelf.

Cab control panel for auxiliary 12-volt electrical accessories, utilizing International power module assembly with six (6) lighted dash switches.

Aerial tower auxiliary function wiring integration with International electronic power module assembly  
***ECM PROGRAMING OF PTO interlock with transmission neutral and parking brake.***

Two (2) Whelen L31HPF LED green/amber strobes with brush guards, one (1) each side of lower boom rest, visible above cab. Includes a single switch on dash panel for all strobes.

Four (4) Whelen 5GA00FAR self-contained SmartLED amber strobes with surface mount flange kits, two (2) on front grille, and two (2) at rear on platform support uprights.

Two (2) Whelen 2GA00FAR self-contained SmartLED grommet mounted amber strobes, one (1) each side at rear, recessed in tailshelf riser panel.

One (1) additional Whelen strobe installed – exact location to be determined.

Program all Whelen strobes for alternating operation (Wig-Wag).

## **COMPLY ON ALL ELECTRICAL ACCESSORIES**

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**ELECTRICAL ACCESSORIES CONTINUED:**

Two (2) Ecco or GoLight remote control spot lights, one (1) on a bracket on chassis hood and one (1) on the strobe light mounting plate on the curbside front of body. Both with two (2) remote controls.

Three (3) Ecco LED spot or flood lights – exact locations to be determined at prepaint.

LED clear rope lighting installed across the top and down each side inside each side compartment door opening, with a single lighted switch on dash panel.

Three (3) 4" LED grommet mounted cargo lights up high on sideboxes in cargo area, one (1) each side at rear, one (1) just ahead of access opening, with a weatherproof switch in access opening, wired through compartment light switch on dash.

Electric back up alarm at rear under body, wired to chassis back up light.

Six (6) prong rear trailer socket near the pintle hook.

Kelsey 81741 trailer brake controller installed in cab, wired to rear trailer receptacle.

All 12-volt wiring to be color coded, protected with loom, and secured at regular intervals. All body lighting connections to be terminated in a weatherproof junction box located in an accessible position at rear under body.

UP 1200-watt pure sine wave inverter under the rear curbside seat with a dash mounted on/off switch. Install two (2) GFCI receptacles, one (1) rear corner of the body, one in body comp't.

Two (2) 3" x 6" grounding loops, one (1) attached to the base of each curbside outrigger.

Complete onsite training for operators included with this package.

**COMPLY ON ALL ELECTRICAL ACCESSORIES:**

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## **CHASSIS CAB**

- 2023/24 International MV607 4x2 crew cab chassis.
- 37,000# GVWR.
- 223" wheelbase, 112" C.A.
- Two (2) front tow hooks.
- 120,000 PSI high strength steel frame, 17.79 S.M.
- Front bumper delete for front bumper winch.
- Cummins ISL-9L diesel engine, 350hp
- Allison 3000-RDS-P 6-speed automatic transmission with PTO gear.
- Transmission programming with performance mode as primary.
- Transmission temperature gauge.
- 23,000# single speed rear axle for 75 mph.
- 200 series wheel ends on rear axle.
- 23,500# rear springs with 4500# auxiliaries.
- 14,000# front axle and tapered leaf springs with auxiliary rubber springs.
- Anti-lock air brake system with dash mounted parking brake.
- Automatic front and rear slack adjusters.
- Heated automatic air tank drain valve.
- Front and rear brake dust shields.
- Bendix heated air dryer located under cab.
- 18.7 CFM air compressor.
- Power steering with tilt type steering wheel.
- Single horizontal exhaust, Federal emissions compliant.
- Cigar lighter with ash cup.
- Air horn.
- Dual electric horns.
- 190-amp alternator.
- Three maintenance free batteries L.H. side under cab, 1950 CCA.
- Remote jump-start stud.
- 2-post power source terminal.
- AM/FM/MP3/CLK stereo radio with weatherband.
- 6 switch body circuit with power module.
- International chassis programming for remote engine control systems.

### **CHASSIS CAB CONTINUED:**

- Body builder wiring inside cab.
- Electric trailer brake/lighting accommodation package.
- Halogen headlights with daytime running and on with wiper features.
- Exterior light test for pre-trip inspection.
- Low coolant indicator with audible alarm.
- Manual reset circuit breakers with trip indicators.
- Hood service access hatch.
- Tilt front hood with grille.
- Engine block heater.
- Heavy duty radiator.
- Direct drive heavy duty two speed fan.
- Electronic hand throttle.
- Electronic remote engine control for auxiliary throttle.
- 2022 OBD compliance.
- Fuel / water separator with heater.
- 50-gallon L.H. aluminum step fuel tank.
- 7-gallon L.H. DEF tank under cab.
- Conventional 80" wide cab with deluxe interior trim.
- Air bag rear cab suspension.
- Chrome towel bar cab entry handles, front and rear.
- Yellow interior grab handle at each passenger door.
- Air suspension vinyl driver's and passenger's seat
- Full width vinyl rear bench seat, open under bottom.
- Passenger door storage pocket.
- Driver seat right arm rest.
- Standard gauge cluster with tachometer.
- Engine hour and PTO meters
- Factory air conditioning.
- West coast mirrors with integral spot mirrors.
- 22.5 x 8.25 10-hole hub piloted steel disc wheels, painted white.
- 12R22.5H Goodyear or Michelin radial front tires. (75mph)
- 11R22.5G Goodyear or Michelin radial mud and snow rear tires. (75mph)

**CHASSIS CAB CONTINUED:**

- International code 0001 standard **Canyon black paint.**
- 60-month, 100,000 mile extended Cummins engine coverage package 1.
- 60-month, 100,000 mile extended Cummins engine after treatment coverage.
- Navistar 60-month, 100,000 mile extended service contract coverage on electrical components, starter and alternator, heater and air conditioning, and axles and propshaft.

**COMPLY ON ALL OF CHASSIS SPECIFICATIONS** \_\_\_\_\_

## **GENERAL REQUIREMENTS**

### **BIDDER QUALIFICATIONS**

It is the intent of these specifications to acquire the described equipment from a bonafide utility fleet service establishment with experience in providing similar equipment to the utility industry, and capable of providing complete and complex service locally.

Local service shall be defined as being within a 200-mile radius of our facility, and having a representative supply of critical parts on-hand with factory trained mechanics having specialized tools on staff for emergency repairs or complete overhauls of the equipment. Bids received from dealerships not meeting these qualifications will not be considered.

**Please state the nearest authorized service center for parts and maintenance \_\_\_\_\_ miles**

### **NAME PLATES**

All control functions, levers, buttons, switches, etc., shall be clearly labeled as to their function and position using permanent type markers. Plastic peel-and-stick "label marker" tape is not acceptable.

### **MANUALS**

The successful bidder shall furnish two (2) copies of parts, service, and maintenance manuals covering the aerial tower upon delivery of the equipment to our facility.

### **WARRANTY**

The warranty on the cab and chassis shall be the manufacturer's full standard warranty **with additional listed warranty**. The warranty on the aerial tower shall be the manufacturer's full standard 12 months warranty with one additional year for a total of **24 months**.

### **COMPLIANCE WITH SPECIFICATIONS**

Your bid must be in strict compliance with the specifications, and offer the same or equal equipment. Exceptions are not acceptable. It is fully understood that the equipment offered is as specified.

### **USE OF BRAND NAMES AND REFERENCES**

Unless otherwise stated, the use of manufacturer's name and product are for descriptive purposes, and establishing general quality levels only. They are not intended to be restrictive.

Bidders are required to state exactly what they intend to furnish; otherwise it is fully understood that they shall furnish all items as stated.

# **55' AERIAL BID PROPOSAL CITY OF NILES, OHIO**

I, \_\_\_\_\_, of \_\_\_\_\_  
(Company Representative) (Company Name)

**present the following proposal for: ONE (1) BRAND NEW 55' INSULATED AERIAL TOWER WITH STAINLESS STEEL SERVICE BODY AND DIESEL CHASSIS CAB :**

AERIAL DEVICE MODEL \_\_\_\_\_

BODY MODEL \_\_\_\_\_

CHASSIS MAKE / MODEL / YEAR \_\_\_\_\_

**TOTAL DELIVERED PRICE** \$ \_\_\_\_\_

**TRADE IN ALLOWANCE 2014 INTERNATIONAL WITH 55 FT AERIAL -** \$ \_\_\_\_\_

DELIVERY: \_\_\_\_\_ days                      TERMS: \_\_\_\_\_

DATE: \_\_\_\_\_

\_\_\_\_\_  
Company

\_\_\_\_\_  
Address

\_\_\_\_\_  
Signature of Representative