



Form GSOP 1-PIN (04/98)

STATE OF CALIFORNIA
 Department of General Services - Office of Procurement
PURCHASE ORDER

Purchase Order No.	Rev.	Date
62153		6/30/2008
Supplier No.	Solicitation No.	Delivery Date
808017	56999	180 Days ARO
FOB Point	Invoice Terms	
Destination	1%/10 DAYS	

ALUMA TOWER COMPANY, INC 1639 OLD DIXIE HWY VERO BEACH, FL 32961 Attn: RON DINIZ Phone: 772-567-3423	<i>S</i> CALIFORNIA HIGHWAY PATROL <i>h</i> FLEET OPERATIONS SECTION <i>i</i> 3300 REED AVENUE <i>o</i> WEST SACRAMENTO, CA 95605 Attn: RICK BOSSEMEYER	<i>C</i> CALIFORNIA HIGHWAY PATROL <i>h</i> FISCAL MANAGEMENT SECTION <i>a</i> P.O. BOX 942901 <i>t</i> SACRAMENTO, CA 94298-2901 <i>r</i> <i>o</i> <i>g</i> <i>e</i>		
	Agency Billing	Agency Purchase Estimate	Purchase Estimate	Revision
	08076	074E7044	67147	0
Agency Contact		Phone	Date Received	
DAVID BAYONETA		916-375-2990		

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
<p>This purchase order is being awarded on SEPTEMBER 12, 2008 pursuant to Government Code Section 13332.17. Any encumbrances made pursuant to this purchase order shall be construed to have been made on the last day of the preceding fiscal year.</p> <p>The general provisions for Non-IT commodities are hereby incorporated by reference. These General Provisions can be obtained by phoning (916) 375-4400 or by accessing our website at:</p> <p>www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf</p> <p>THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY:</p> <p>Prime Contractor: NS</p>						
2	EA		2330-000-0001-8	TRAILER SPECIAL PURPOSE	161,475.0000	322,950.00
<p>Mobile Antenna Tower Trailers</p> <p>Heavy duty portable open bed tandem axle platform trailer equipped with shelter and a heavy duty telescopic antenna tower, extending in height (including mast) up to approximately seventy-five (75) feet in accordance with bid specification 2320-0059 of eleven (11) pages, dated July 16, 2008.</p> <p>Brand: <u>ALUMA TOWER COMPANY INC.</u></p> <p>Model: <u>TM51-WA80-EB4 S812H/T-75XHD</u></p>						
<p>PO Miscellaneous Charges and Discounts</p> <p>BATCH ADJUSTMENT (CHARGE)</p>						<p>Dollar Value</p> <p>7.00</p>
<p>Total Value:</p>						<p>322,957.00</p>

Sales and/or use tax to be extra unless noted above

Buy SHANNON KELLER	Phone 916-375-4606	BOC Number
---------------------------	-----------------------	------------

STATE OF CALIFORNIA

Department of General Services - Office of Procurement

PURCHASE ORDER CONTINUATION

Form GSOP 2-PIN (04/98)

<i>Purchase Order No.</i>	<i>Revision</i>	<i>Date</i>	<i>Supplier No.</i>	<i>Supplier Name</i>
62153		6/30/2008	808017	ALUMA TOWER COMPANY, INC

<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
<p><u>TECHNICAL SPECIFICATION REQUIREMENT MODIFICATIONS</u></p> <p>The following dimension deviations from the technical specification document 2320-0059 are accepted:</p> <p>Paragraph 3.2.8 Specification Requirement that back of shelter to end of tower not to extend more than 103" has been changed to not exceed 115".</p> <p>Paragraph 3.2.8 Specification Requirement that maximum vertical distance from ground to the top of the tower =12'9" has been changed to =12'11".</p> <p>These modifications have been approved by the California Highway Patrol and comply with California Vehicle Code.</p> <p><u>FOR THE PURPOSE OF THIS AWARD</u></p> <p>Only Free On Board (F.O.B.) Destination will be accepted.</p> <p>Antenna and Microwave Dish are not included in this purchase order. Antenna and Microwave dish will be installed by Telecommunication Division of Department of General Services.</p> <p><u>ADMINISTRATIVE REQUIREMENTS</u></p> <p>The Administrative Requirements for this award are attached to the purchase order and are incorporated by reference.</p> <p><u>CALIFORNIA TIRE RECYCLE FEE</u></p> <p>A one-time recycle fee of \$1.75 per tire, for four (4) tires, totaling \$7.00, is included in this purchase order.</p> <p><u>FEDERAL EXCISE TAX EXEMPTION CERTIFICATE</u></p> <p>Federal Excise Tax Exemption Certificate attached.</p> <p><u>INCREASE / DECREASE IN QUANTITY</u></p> <p>The State reserves the right to increase or decrease the purchase quantity by one unit within ninety (90) days of the bid award. The increased quantity purchased shall be at the awarded bid price.</p> <p><u>SALES TAX</u></p> <p>Sales tax was not included in the bid pricing and is not part of this award. Sales tax should be added at time of invoicing. The sales tax rate applied should be based on the rate of the area the product is to be delivered to.</p> <p><u>CHANGE ORDERS</u></p> <p>This Purchase Order may be amended, modified, or terminated at any time by mutual agreement of the parties, in writing. Change orders amending, modifying or terminating the Purchase Order, including any modifications of the compensation payable, may be issued only by the State Procurement Officer. All such change orders shall be in writing and issued only upon written concurrence of the supplier. Termination, as that term is used in this section, does not include termination for default of the supplier.</p>						

STATE OF CALIFORNIA

Department of General Services - Office of Procurement

PURCHASE ORDER CONTINUATION

Form GSOP 2-PIN (04/98)

<i>Purchase Order No.</i>	<i>Revision</i>	<i>Date</i>	<i>Supplier No.</i>	<i>Supplier Name</i>
62153		6/30/2008	808017	ALUMA TOWER COMPANY, INC

<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
<p>SCPRS</p> <p>This Purchase Order has been registered into the State Contract and Procurement Registration System (https://www.scprs.dgs.ca.gov/). The registration number is 27200908332707.</p>						



STATE OF CALIFORNIA
Bid Specification
Portable Antenna Tower Trailer
California Highway Patrol (CHP)

2320-0059

1. Scope

This specification describes the design, component installation and configuration requirements for a heavy-duty tandem axle trailer equipped with a shelter and a heavy-duty 75-foot antenna tower, raised by an on-board electric winch. Shelter shall be of heavy-duty aluminum construction to support antenna tower. The trailer's intended use is to be placed in locations where it will provide temporary adjunct radio coverage for special events, for propagation testing or for temporary use due to construction improvement activities.

The trailer will have diamond plate deck to structurally support the antenna tower.

The trailer will operate in all climate conditions from sea level to high desert to high altitude snow conditions, from 1000 feet to 10,000 feet above sea level. The trailer shall have the Gross Vehicle Weight Rating (GVWR) capacity to carry all necessary equipment for the operation of the portable repeater, including the associated tower(s), a weather proof shelter, and supporting power system(s).

2. Applicable Specifications

Specifications and standards referenced in this document in effect at the time of the opening of the Invitation for Bid, become part of the specifications and standards.

3. Requirements

3.1 Shelter

- 3.1.1 Shelter outside dimensions 144" \pm 2" L X 96" \pm 2" W X 96" \pm 2" H. consisting of aluminum construction consisting of 2" X 2" X 1/8" wall square tube and 1" X 2" X 1/8" wall rectangular tube framing, .090" thick aluminum sheet exterior plating. Use 45° profiled edge, reinforced with 3/8" X 4" flat plate assembled by weld and other methods.
- 3.1.2 Exterior finish: Dupont Imron (or equivalent) Automotive grade paint.
- 3.1.3 Shelter shall have side door with provision of entry / access ladder.
- 3.1.4 Shelter door back to back locking paddle handle with 2 latching mechanisms.
- 3.1.5 Vendor shall install two independently controlled AC/Heat units, (Ref.15,000 BTU each) to maintain a controlled environment inside the shelter.
- 3.1.6 The interior cooling/heating capacity shall provide for an electronically controlled equipment environment at no lower than 50 °F in extreme cold conditions and up to 80 °F in hot conditions. The shelter shall be adequately insulated using the highest insulation type rated material, in order to maintain interior shelter temperatures and reduce or eliminate condensation within the shelter. Material shall meet Class A/Class 1 fire protection ratings (Ref. Prodex type insulation or equivalent with a Five Star rating).
- 3.1.7 Each AC/Heat unit shall be controlled by a separate programmable thermostat, to allow for independent operation. The thermostat shall be installed in tandem (side by side), on the interior wall. Exact location shall be determined by CHP during pre-construction meeting.

July 16, 2008
Portable Antenna
Tower Trailer

- 3.1.8 Six Universal electronic equipment rack (Ref. 19"X 76") shall be furnished and installed inside the shelter. Equipment racks to be fully secured inside the shelter. See figure 4 for location.
- 3.1.9 Shelter shall have seals (Ref. Roxtec or equivalent) for telecommunication cables. Cable pass through shall be covered using NEEMA 4"X4"X3", or similar metallic cover with a quick hinge release, painted white to match shelter. The pass through seals shall be centered and clustered in groups of 4 and located on opposite sides of the shelter. See figure 5.
- 3.1.10 Two each, exterior telephone inlet and modular plugs, 4-Plex type, for telephone and LAN/WAN use. Exterior waterproof cover is required during transport, painted white to match shelter. Interior location of telephone inlet modular plugs TBD during construction phase of interior wall covers and dependent on location of associated interior equipment.
- 3.1.11 Antenna tower access aluminum ladder (Ref. Topline model # 507L or equivalent), 16" W, 12" rung spacing, shall be provided. Ladder shall withstand weight of a person, 250 lbs minimum. Ladder shall be of commercial quality which shall not flex or twist.
- 3.1.12 Four metal storage cabinets (Ref: Moduline or comparable) stacked one above the other, 15" D X 30" W X 18" H. 73" maximum stacked height. All doors shall be lockable. Storage cabinets shall be secured with suitable fasteners/brackets.
- 3.1.13 Speed controllable exhaust fan, 115V, 60 Hz (Ref. Grainger # 1HLA1 or equivalent) shall be installed as shown in figure 1. Exhaust fan shall be connected to power buss line. The exhaust fan shall auto-start within operational temperature presets. Two external covers for transport and stationary mode are required. The transport external cover shall be flat and not protrude more than 1/4". Both covers painted white to match shelter.
- 3.1.14 One 5 lbs ABC rated fire extinguisher shall be installed inside the shelter near entry door.
- 3.1.15 Shelter wall shall be of FRP panels, fully secured to the frame and sealed. Shelter Interior and exterior shall be gloss white in color.
- 3.1.16 Shelter roof shall withstand weight of a person, 250 lbs minimum. Walking surface area shall be coated with non-skid weatherproof epoxy coating (or equivalent with CHP approval).
- 3.1.17 E-Track shall be installed inside shelter and outside face of shelter. Interior, install two rows (parallel) at 2 and 5 foot increment on three walls. Exterior, install on face of shelter, two rows (parallel) at a point above diamond plate area.
- 3.1.18 Apply conspicuity reflective tape 3M (red/silver). Apply to sides and rear of trailer, including, but not limited to, all leading shelter surface areas, tower areas, railing areas, steps, and bumper. Aluminum step areas including portable step into the shelter shall have non-slip surface material applied.
- 3.1.19 Install peep hole in shelter door for security purposes. Provide widest angle, minimum 132 °F angle horizontal view.

3.2 Main Antenna Tower

- 3.2.1 Main antenna Tower shall be of extra heavy duty triangular or square lattice configuration. With nested telescopic design, each section shall be approximately 25' long. Antenna tower shall have a mast of 2" dia. X .250" wall thickness X 8' long. Extended height including mast shall be approximately 75 ft. Tower/mast assembly shall weigh approximately 300 lbs.
- 3.2.2 Antenna tower shall be engineered for mounting of additional standard low band antennas (Ref. KRECO or equivalent). See figure 1 (Annex-A). Alternate design shall be acceptable with CHP approval.
- 3.2.3 Antenna tower shall have cable adapter plate as shown in figure 2 (Annex-B). Alternate design shall be acceptable with CHP approval.
- 3.2.4 Antenna Tower shall have cable protection tubing as shown in figure 3 (Annex-C). Alternate design shall be acceptable with CHP approval.
- 3.2.5 Antenna Tower shall be engineered for a minimum wind force of 80 mph rating. Design shall consider weight of main antenna tower, low band antenna mounts (see annex-A), cable adapter plate (see annex-B), cable protection tubing (see annex-C), and accessories.
- 3.2.6 Antenna tower shall be equipped with guy wires and attachments (or equivalent) to provide stability.
- 3.2.7 Tower sections shall be gear driven by electric motor to raise or lower antenna sections. Antenna tower shall be deployable by one person.
- 3.2.8 In transportation mode Antenna Tower shall have following dimensions:
- From back of the shelter to end of the tower shall not extend more than 103"
 - Maximum vertical distance from ground to top of the tower= 12'-9"

3.3 Additional Antenna (Separate)

- 3.3.1 **Auxilliary Antenna Tower:** Install second permanent antenna tower of heavy duty triangular or square lattice configuration. Antenna tower shall be fixed upright, to front of shelter, using three legged, two each 8' sections. Antenna structure and support shall be engineered with a minimum wind force of 80 mph rating. Antenna tower shall be properly braced to the shelter and mounted on trailer floor. Antenna tower shall support and allow mounting of antenna dish, Andrew model # HP8-65E or equivalent, weight 500 lbs, and 8' diameter. In upright position, the vertical distance between top of main antenna mast and top of auxiliary antenna shall be 20' minimum and the horizontal distance between center of auxiliary antenna and main antenna shall be a minimum of 10' when measured along the length of the trailer.

Note: Andrew's dish for auxiliary tower shall be transported separately and shall not be a part of payload.

- 3.3.2 **Microwave Antenna Pedestal (Tower):** Install third permanent, independent, functional microwave antenna pedestal (tower) on the forward deck of the trailer. The support assembly bracket shall support a microwave dish equivalent or greater than make: Andrew, model HP8-65E (or equivalent), weight 500 lbs, and 8' diameter. The support bracket assembly shall provide permanent storage of the microwave dish in a

vertical position during transport. In the stowed position, the front of the microwave dish shall be in the upright vertical position turned parallel to the side of the shelter. The support assembly bracket shall allow for manual operation from a stowed/secured position to a vertical position. Mounting turret mechanism shall allow minimum rotation of microwave dish 270°. Mechanism shall allow pivoting of microwave dish +45° (upward) and -10° (downward) from horizontal plane parallel to the trailer floor. Microwave dish shall maintain lock position after pivoting in desired position, as well as during rotation on its axis. The mechanism and microwave dish during operation shall not interfere with other systems, storage box units, spare tire, main or secondary antennas located on the shelter. Deployment of unit operates as a mechanical device, using either compressed air or motorized system. Unit shall be engineered for deployment by a single person without additional assistance.

3.4 Trailer

3.4.1 Dimensions:

Overall finished trailer length =28' maximum, including tongue and coupler. Trailer width (including fender) or its load shall not exceed 102".

3.4.2 Perimeter frame members shall be structural steel and/or aluminum tubing, 2" x 4" x 3/16" thick structural rectangular tubing. Horizontal support beams shall be 6" structural C channel, heavy gauge, and carbon steel. A frame with T bar design Tongue-2" x 3/16" thick rectangular tubing, structural carbon steel adjustable height tongue coupler that accepts multiple coupler types. Frame will be welded with cross members as needed to provide structural integrity to prevent twisting, sagging, and wrapping when fully loaded and at all legal speeds.

3.4.3 Axles Rating: 6000 lbs on each of two axles. Torsion axle type, with adjustable ride height (ref. GDC torsion axle or better).

3.4.4 Tire: Trailer shall be equipped with proper size, all weather terran tire that shall provide load rating equal or greater than axle rating.

3.4.5 Wheels/rims shall be painted white to match the trailer, or chrome if available.

3.4.6 The trailer shall include tandem axels with electric brakes on all four wheels.

3.4.7 GVWR shall not exceed 11,990 pounds (CA class A license required), it shall allow Pay load of 1000 lbs for radio equipment not including the antennas.

3.4.8 A trailer coupler lock shall be provided.

3.4.9 Trailer shall be equipped with one electrical tongue jack with wheel and a 2-5/16", ball receiver per class IV SAE. Capacity of tongue jack shall be shall be a minimum of 1500 lbs.

3.4.10 Two diamond plate storage boxes to store heavy items such as jack hammers, medium size shovel and picks, shall be furnished and installed on the trailer. Storage box shall have sturdy hasp and padlock eye.

3.4.11 A spare tire shall be mounted upright and padlocked on the trailer.

3.4.12 In non-operating and transportation mode, the height of antenna/shelter shall comply with all Federal and State Highways regulations.

3.4.13 Additional trailer LED tail light shall be furnished and installed.

- 3.4.14 All necessary installation kits shall be provided for installation and operation of the mobile antenna. (Ref. Cross Guy kit, Dual Obstruction light kit with 100' cord, Temporary Anchor kit, etc.)
- 3.4.15 A complete halo grounding kit W/12-8GR shall be provided, if necessary.
- 3.4.16 Stop and Tail lights shall be LED type. 12" X 12" flag (red/fluorescent orange) required on projected loads exceeding 4' to rear during daylight hours. Two red-lighted devices required at night (CA vehicle code 24604).
- 3.4.17 Trailer shall have dual safety chains to positively ensure that the safety connection does not become dislodged while in transit (section 29004, California Code), in addition to break away cable brake system.
- 3.4.18 Hitch weight/tongue of 1100 to 1200 lbs.

3.5 Electrical

- 3.5.1 The vendor shall provide two copies of all wiring schematics to CHP including 120 VAC main and branch wiring distribution, the 12 VDC main and branch wiring distribution, and the generator and shore transfer circuit. Schematics shall be numbered at both ends and shall be charted on a master wire list.
- 3.5.2 All electrical installation shall adhere to modern automotive standards, with extreme care being exercised in design to provide for easy serviceability of the system in the future.
- 3.5.3 All wirings shall be protected from chaffing and abrasion. Multi channel raceway shall be provided (ref. Wiremold 5400 or equivalent).
- 3.5.4 One commercial grade, LP-powered 120 volts AC generator with minimum watt rating of 6500 (Ref. Onan or equivalent) and all accessories shall be furnished and installed on the trailer.
- 3.5.5 One twenty-five (25) gallon propane tank with capacity gauges shall be furnished and installed on the trailer.
- 3.5.6 Pre-wire shelter for use with a weatherproof security camera, network base, roof-mounted with remote control capability.
- 3.5.7 Panasonic Network Color Dome, zoom camera, item # WVNS325 or equivalent (see Network Clr Dome Cam with PTZ). Visit www.ssicctiv.com.
- 3.5.8 Accessory jacks for flood lamps, installed at four corners, mid section, weatherproof with caps to prevent water intrusion.
- 3.5.9 The generator shall be connected to the propane tank. Also, provide a quick connect type connection to on-site LP tanks with gauge. The vendor shall furnish and install a separate Optima (or equivalent) sealed 12 volt gell cell generator starting battery contained in a marine grade battery box that is properly secured.
- 3.5.10 12 volts DC main and branch wiring distribution.
- 3.5.11 Flashing emergency kit shall be provided.
- 3.5.12 12 Volt, electric winches or equivalent device shall be installed for lifting the main and auxiliary towers.

- 3.5.13 Two coax reels, capacity: $\geq 300'$ each of 5/8" coax cable, shall be furnished and installed. Coax reel shall turn easily while in operation, and shall have a mechanical locking mechanism to prevent coax cable from coming loose while in transit.
- 3.5.14 A 10 ft long 50 amp (36/4) shore cord with twist lock connector shall be furnished
- 3.5.15 A 120V, 500 W flood light with 5 foot pole shall be installed.
- 3.5.16 Interior lighting comprises of four light fixtures, rectangular in size, with On/Off switch located next to the entry door.
- 3.5.17 A 12 VDC battery pack shall be installed.
- 3.5.18 A 12 VDC air compressor, portable, 4-6 gallon capacity, 1.5 to 2.0 HP, with full gauges, quick release connect 50 foot hose, attachments for inflating tires, min 125 psi. Unit shall have manual release valve.
- 3.5.19 All schematics shall be numbered at both ends and shall be charted on a master wire list.
- 3.5.20 Electrical coupler shall use 7-pin RV type connector.
- 3.5.21 Auto transfer switch to provide cut over in the event shore power is lost.
- 3.5.22 Four separate accessory plugs with 3 jacks each.
- 3.5.23 Three each, A/C accessory plug outlets shall be installed, weather proof, on both sides of trailer on chassis
- 3.5.24 Two each, 12 VDC accessory plug outlets shall be installed, weather proof, on both sides of trailer on chassis.
- 3.5.25 Six exterior courtesy/convenience type lights, 12 volt, battery operated, with hot switch to illuminate the trailer areas in the front, rear lower, both sides lower near outriggers, and on each wall in the interior.
- 3.5.26 Two exterior 12V work lights shall be installed on both sides of the shelter. The lighting units shall be recessed to prevent contact with trees and shrubs off road.
- 3.5.27 Roof mounted, light tower, 4-1000W/240VAC, stowed in compartment with night scan pistol grip with remote control. Reference Will-Burt model # NS6-4000 (OPT) or equivalent.

4.0 Exterior Specifications

- 4.1 The trailer shall have four manual stabilizing/leveling 8K jacks installed at all four places. Additionally, the trailer shall have a minimum of four extendable outrigger stabilizers, galvanized, with positive lock stops.
- 4.2 Exterior color of the shelter shall be white. No paint is required on diamond plate application where used. Trailer frame color shall be gray.
- 4.3 Leveling indicator bars installed all four corners of the shelter and towers.
- 4.4 Side step on each side of trailer permanently mounted for access to deck of trailer
- 4.5 PVC tubing, 4"-6" diameter, schedule 40, installed on top of roof for antenna storage.
- 4.6 PVC tubing, 4"-6" diameter, permanently installed on inner section of each tower for antenna feed through. PVC tubing designed to protect antenna cable during transport as prolonged storage periods.
- 4.7 E-Track tie down with D-Rings, installed inside shelter and on face of the shelter above the

diamond plate, should be 12 gauge steel for Series E end fittings, beam sockets and deck/shoring beams. G-90 hot dip galvanized finish with a surface chemical treatment to withstand corrosion, and for used with E-Track Ratchet Straps and Cam Straps as well as Rope Tie Offs, Spring E Fittings with D-Rings.

5.0 Standards and Code Compliance

- 5.1 Antenna tower Trailer assembly shall comply with applicable Federal Motor Vehicle Safety Standards and California Vehicle Code.
- 5.2 Trailer shall comply with applicable standards of The Society of Automotive Engineers.

6.0 Quality Assurance

- 6.1 Vendor shall submit a statement that Antenna Tower Trailer design is a proven design and it has been used in the field by other customers. Statement shall also include that Antenna Tower Trailer assembly shall be stable and capable of withstanding the wind velocity of 80 mph or more when tower is erected and operational.
- 6.2 Trailer shall be California Department of Transportation (DOT) compliant and meet National Association of Trailer Manufacturers (NATM) certification.
- 6.3 All equipment used in antenna tower assembly shall be new.
- 6.4 Equipment shall be free of dents, peeled paint, and scratches.
- 6.5 All accessories and equipment shall be operational.
- 6.6 Any design changes shall require written approval from CHP.
- 6.7 Equipment and all on board accessories shall be operational at the time of the delivery.
- 6.8 All trailer assemblies, components, systems, storage units, shelter, and cabling shall be engineered to withstand excessive forces during transit on unpaved or rugged roads.

Annex A
LOW BAND ANTENNA MOUNTING ARRANGEMENT

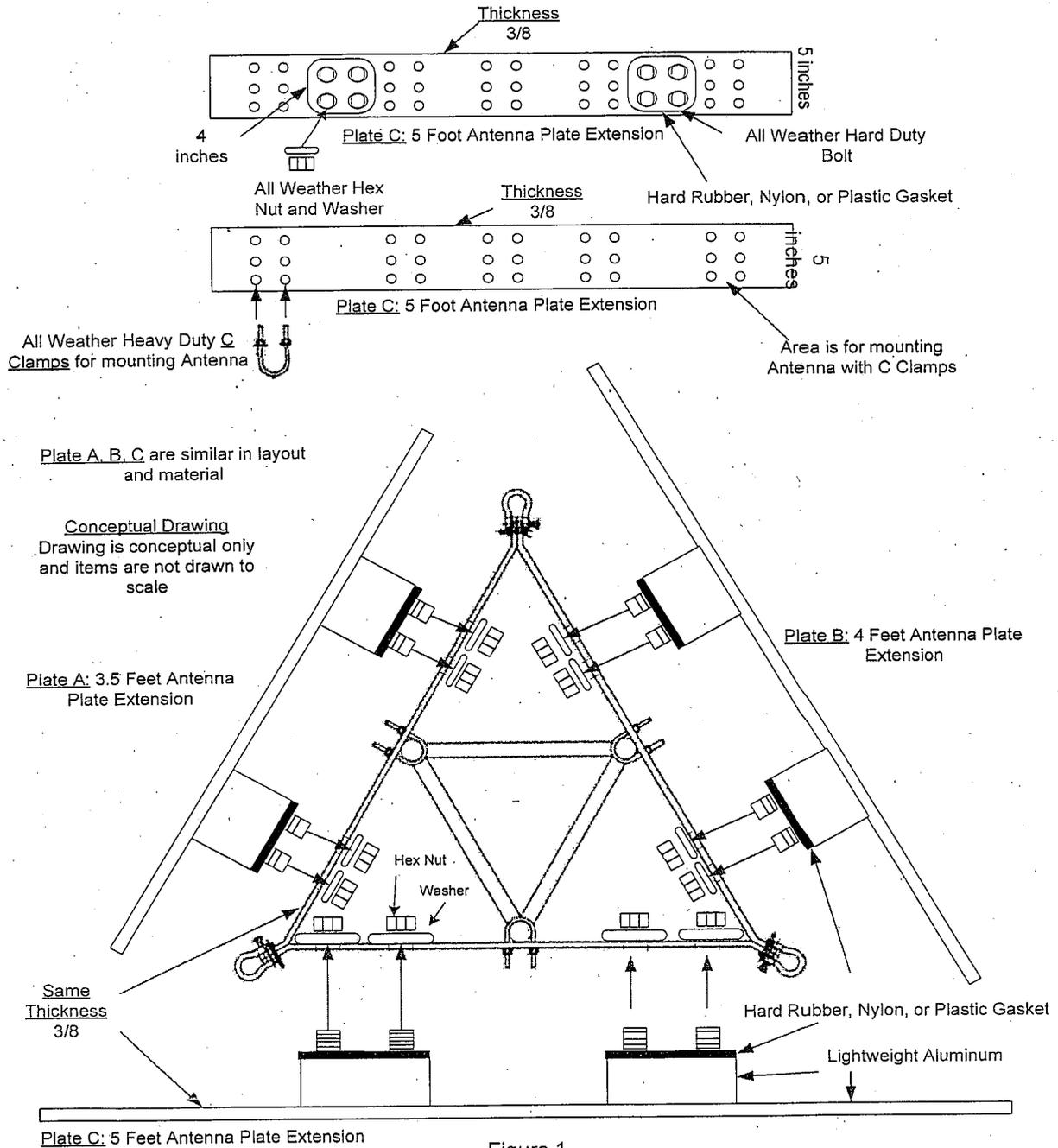


Figure 1

July 16, 2008
Portable Antenna
Tower Trailer

Annex B
CABLE ADAPTER PLATE

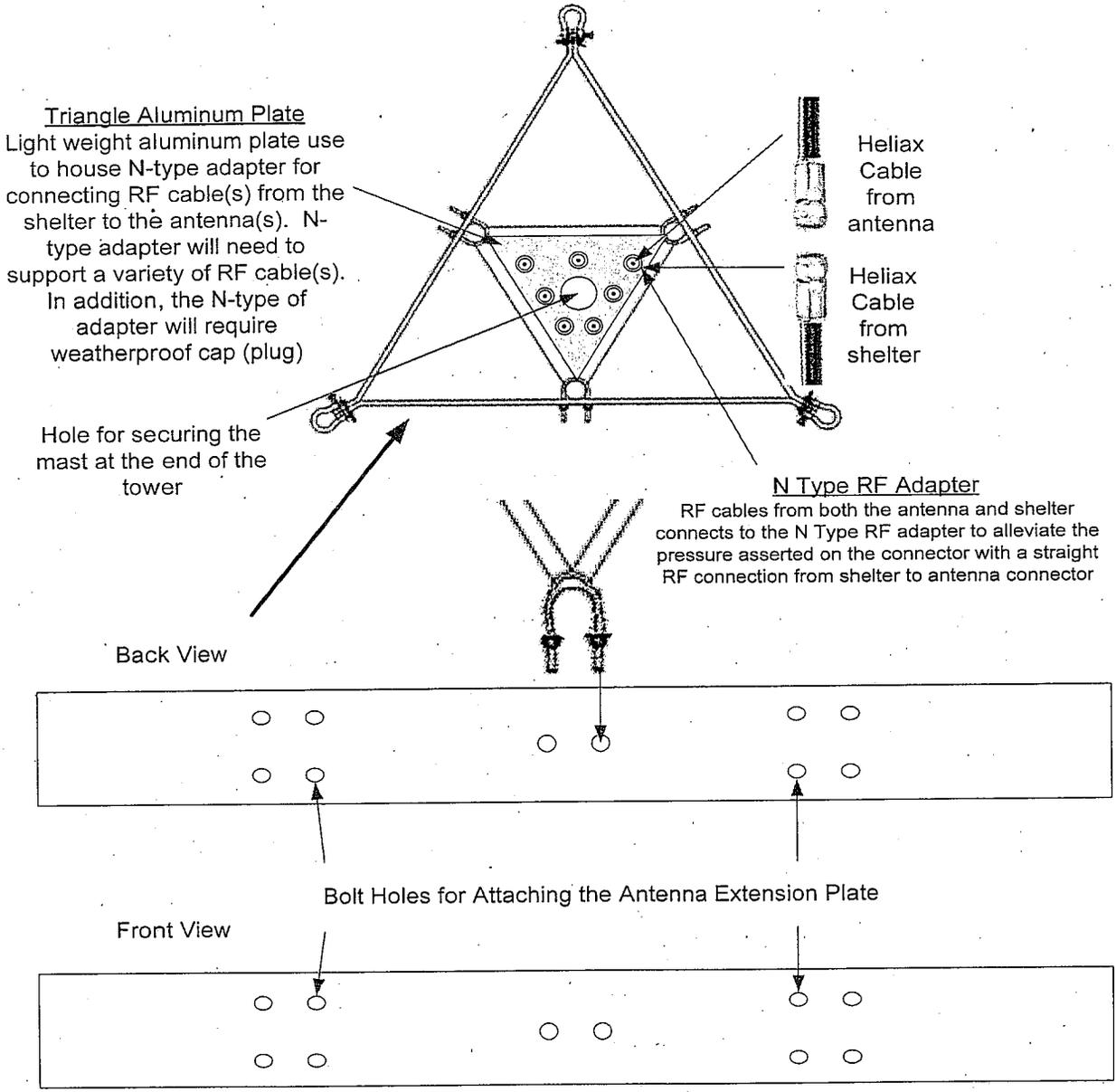


Figure 2

Annex C

Cabling Protection Against Wind and Chafing

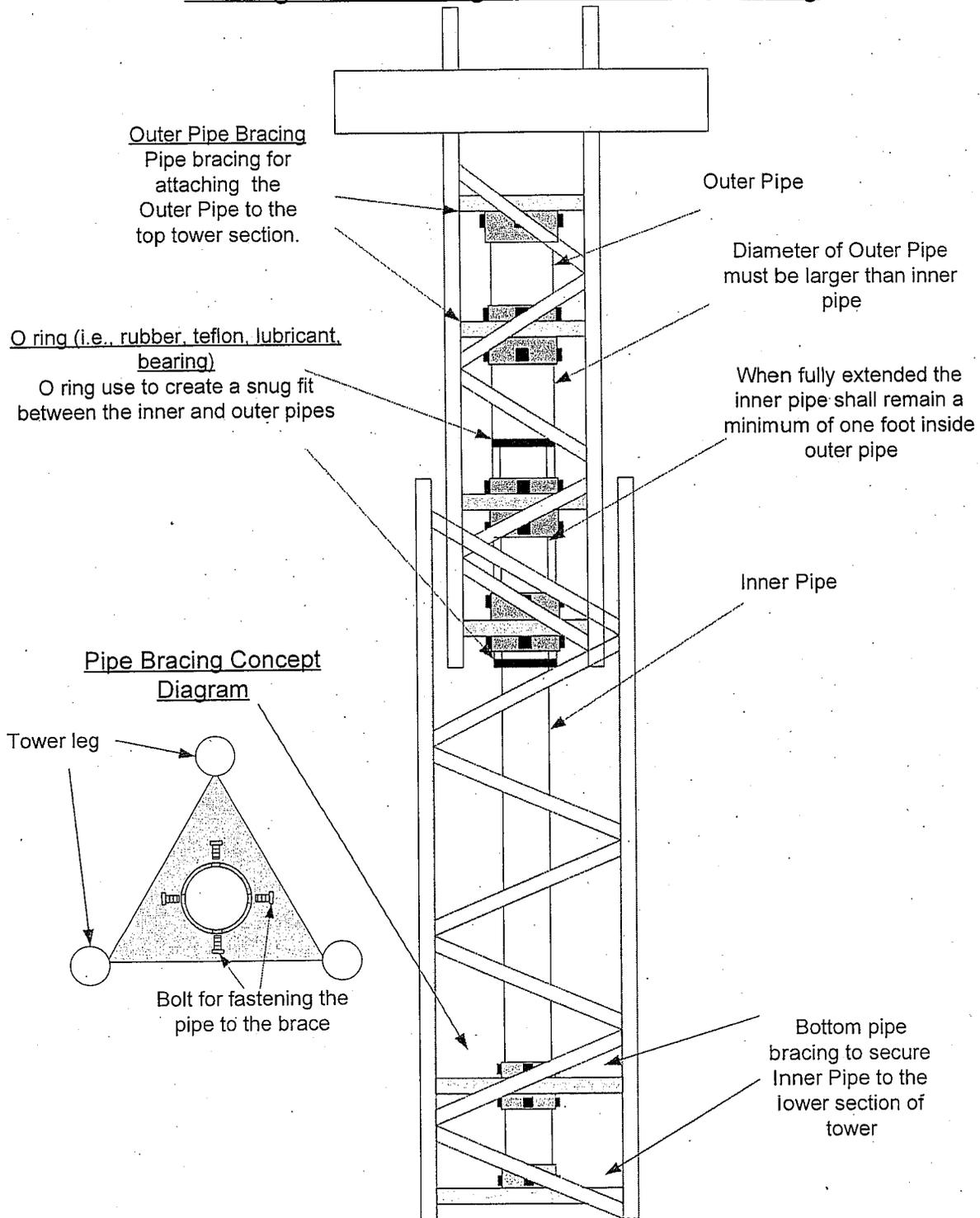
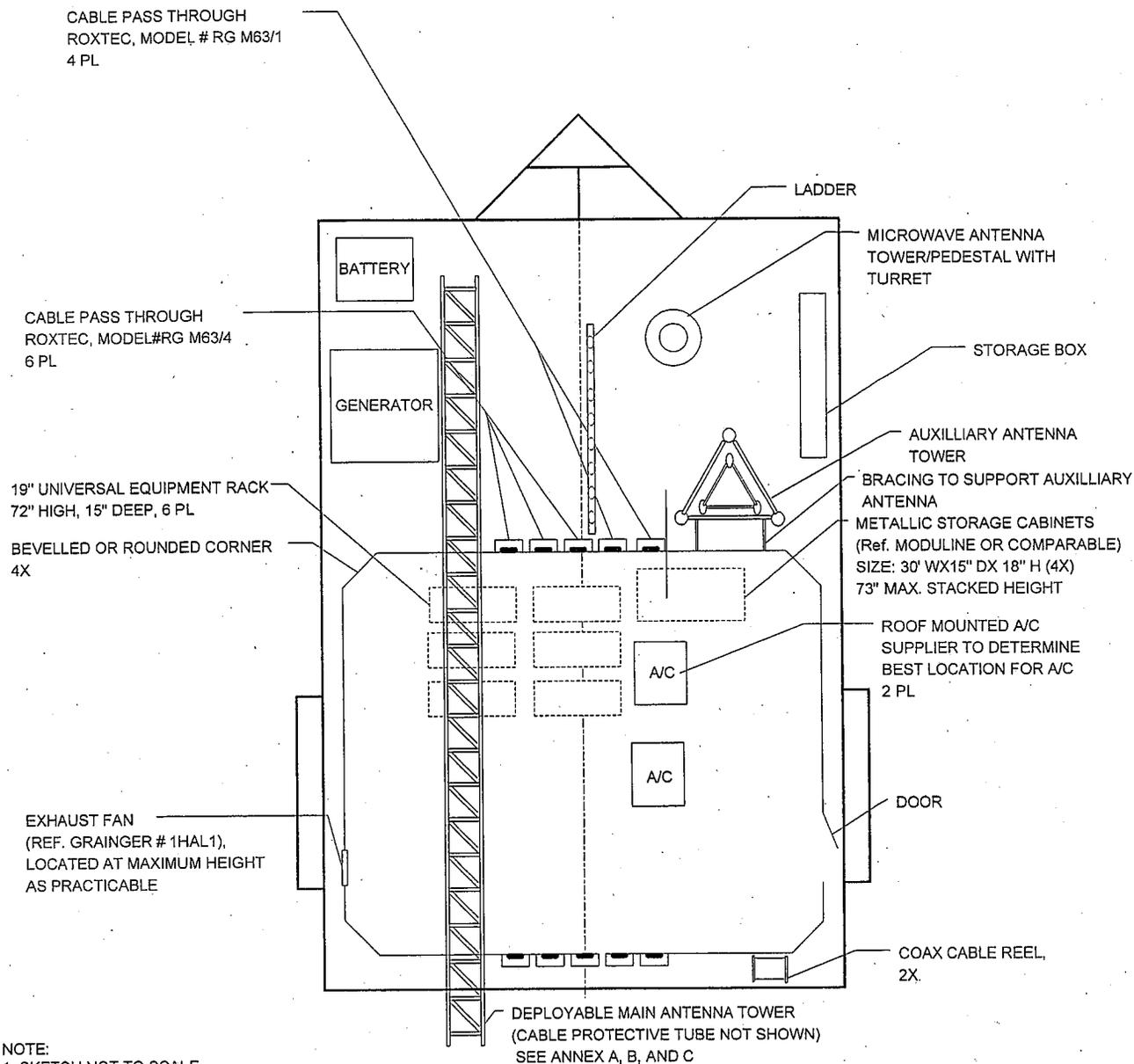


Figure 3

July 16, 2008
Portable Antenna
Tower Trailer



NOTE:
 1. SKETCH NOT TO SCALE
 2. ALL EQUIPMENT LOCATIONS ARE SHOWN APPROXIMATELY.
 SUPPLIER TO OBTAIN CHP APPROVAL.

FIGURE-4

ADMINISTRATIVE REQUIREMENTS

2320-0059

Portable Antenna Tower Trailer
California Highway Patrol

1. Vehicle Documentation Required:

The original dealer's "Report of Sale" shall be furnished by all California licensed dealers at the time of delivery of each unit or units covered by these specifications.

An original weight certificate from California certified weight Master must be supplied at the time of delivery of each unit.

A "Manufacturer's Statement of Origin" and original "Bill of Sale" on the vendor's letterhead may be supplied for each unit in lieu of a dealer's Report of Sale, if the supplier is not a registered California dealer.

A Federal Excise Tax Exempt Certificate will be attached purchase order.

All documentation supplied for registration shall be sent to the following address by the time of delivery and contain the following:

State of California
California Highway Patrol (CHP)
Fleet Operations Section
3300 Reed Ave
West Sacramento, CA 95605

Note: State shall register/license all vehicles with the Department of Motor Vehicles.

2. Workmanship

The equipment and any accessories shall be a product of good workmanship and shall be free of any defects that will affect their appearance or serviceability.

3. Training

Supplier, at his expense, shall provide a qualified factory authorized service representative to provide 8 hours training for operators, mechanics, and other CHP personnel. This training shall consist of hands-on operation, antenna deployment, safety, service, part manual orientation, nomenclature, and part ordering procedures.

4. Pre-construction Meeting

A pre-construction meeting between CHP staff and supplier shall be held within two weeks After Receipt of Order (ARO). Place of meeting shall be determined by CHP.

July 15, 2008
Portable Antenna
Tower Trailer

ADMINISTRATIVE REQUIREMENTS

2320-0059

Portable Antenna Tower Trailer
California Highway Patrol

5. In Process Review

The unit(s) may require an in-process review to verify timely progress of construction of the unit(s) and to ascertain compliance with the intent of the specifications. Any in-process review will be at State expense. In process review will not constitute acceptance of the unit(s).

6. Pre-Delivery Inspection

The inspection shall be conducted by California highway Patrol. This inspection shall take place at an adequate site provided by the vendor, and agreed by the California Highway Patrol.

Inspection site shall meet all of the following criteria:

- a. The site shall not be the Purchase Order delivery destination. The site shall be paved, secure, and zoned for commercial use.
- b. The site shall include electricity, lights, water, and compressed air. The facilities shall also include lift equipment adequate to raise the units and support them on safety stands with minimum of 12 inches of tire clearance.
The supplier shall provide conditions which meet safety standards of CAL-OSHA and Title 8 of the California Code of Regulations.
- c. The adequacy of the site shall be determined by California Highway Patrol.
Contact Al Castillo, at (916) 376-3900 for approval.

7. Final Inspection

Each unit will have a final inspection at its delivery destination shown on the Purchase Order to verify acceptability. The State will have ten (10) working days after delivery of a unit to conduct the final inspection of unit(s). Units delivered to the final Purchase Order destination will be accepted only when all Purchase Order requirements have been met, any shipping damages have been corrected, and all required documents are received by California Highway Patrol, Fleet Operation Section, 3300 Reed Ave, West Sacramento CA 95605. These documents include, as applicable, the invoice, vehicle registration documents, part books, operator's manual, service manuals, lubrication instructions and charts, warranty information, certifications, questionnaire etc. Units which are not accepted by the delivery date on the Purchase Order will be considered delivered late.

July 15, 2008
Portable Antenna
Tower Trailer

8. Delivery

Final delivery, inspection, and final acceptance of all units on the Purchase Order shall be within 180 calendar days ARO.

Failure of any units to comply with the specifications by the final delivery date may place the supplier in default and may be grounds for the State to invoke Paragraph 26 of the General Provisions, Rights and Remedies of the State for Default.

Acceptance of delivery or placement in operation of any equipment shall not release the supplier from liability faulty design, workmanship, or materials appearing even after final payment have been made.

9. Warranty

The unit and any optional accessory shall be free from defects in workmanship and materials and be covered (parts and labor) under warranty for one (1) following the date of acceptance by the CHP.

A copy of the manufacturer's standard warranty for the unit, any accessory, optional equipment, and components shall be supplied with each unit at delivery, or upon request. The manufacturer will be held responsible for warranty (commencing from the date of acceptance by the CHP) for the following circumstances:

1. The manufacturer's standard warranty is for one (1) year. Under this circumstance, the supplier is responsible until one (1) year is reached. The manufacturer shall be held responsible for balance of the manufacturer's standard warranty.
2. The supplier is no longer an authorized dealer of the equipment supplied. Under this circumstance, the manufacturer shall be held responsible for the balance of the manufacturer's standard warranty. The manufacturer shall establish a fully operational warranty service provider with capabilities equal or exceeding the supplier's (or his designated warranty provider) within 45 days of the supplier's authorized dealer termination.

If the supplier is not the manufacturer or manufacturer's authorized representative, then a statement agreeing to the warranty conditions stated herein shall be signed by the manufacturer and submitted upon request prior to Purchase Order award.

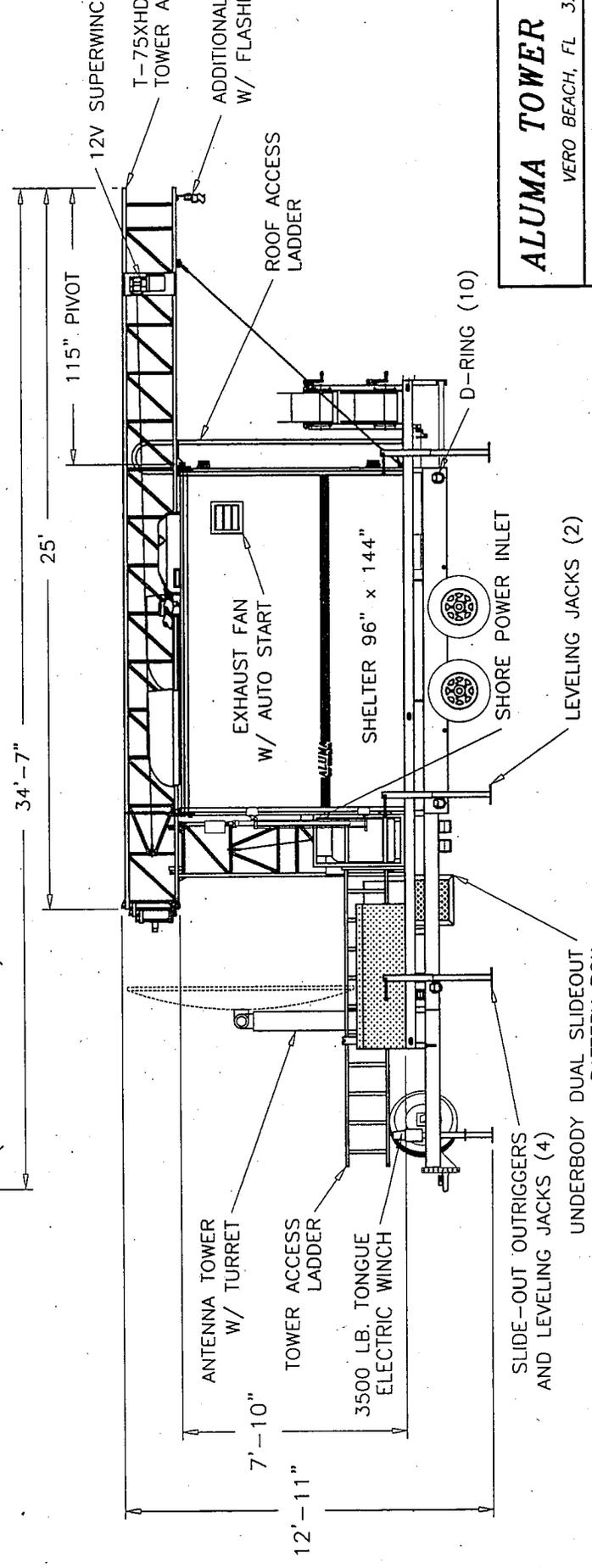
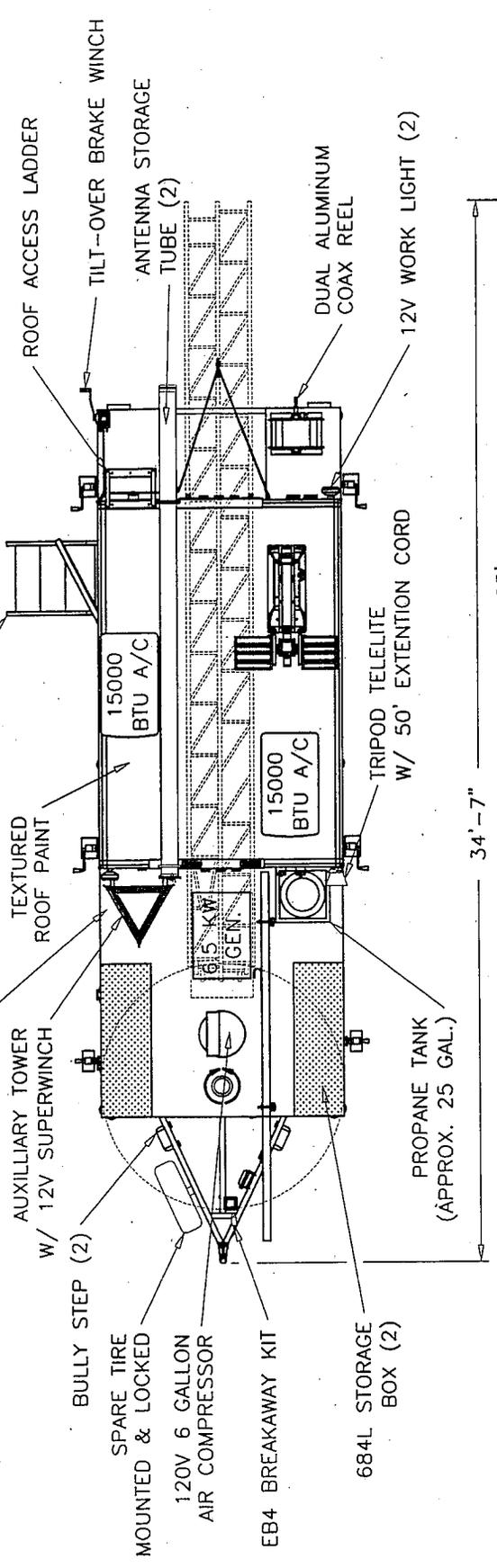
10. Books and Manual

One (1) set of standard operator's manual. Complete lubrication instructions, parts books, and shop repair manuals (complete with electrical, air compressor and hydraulic schematics) shall be supplied with each unit. The vendor shall provide a soft and hard copy to the CHP.

July 15, 2008
Portable Antenna
Tower Trailer

SHELTER HEIGHT
 EXTERIOR = 93 3/4"
 INTERIOR = 86 1/4"

TOWER REMOVED IN TOP VIEW
 FOR CLARITY



GENERAL NOTES:

THIS DRAWING IS THE PROPERTY OF ALUMA TOWER CO. INC. ANY DUPLICATION OTHER THAN ITS EXPRESSED PURPOSE, REUSE, MODIFICATION OR PLAGIARISM OF ANY PART OF THIS DOCUMENT IS PROHIBITED. VIOLATORS WILL BE PROSECUTED UNDER FLORIDA STATE STATUTES.

DO NOT SCALE DRAWING.

ALUMA TOWER CO. INC.
 VERO BEACH, FL 32960

TM61WA80 S812/T-75XHD

DRWN BY: H.C.	SCALE: FULL	DRWG. NO.
DGN BY: C.D.	DATE: 9-1-08	QS-1813
CHK BY: C.D.	APP'D	

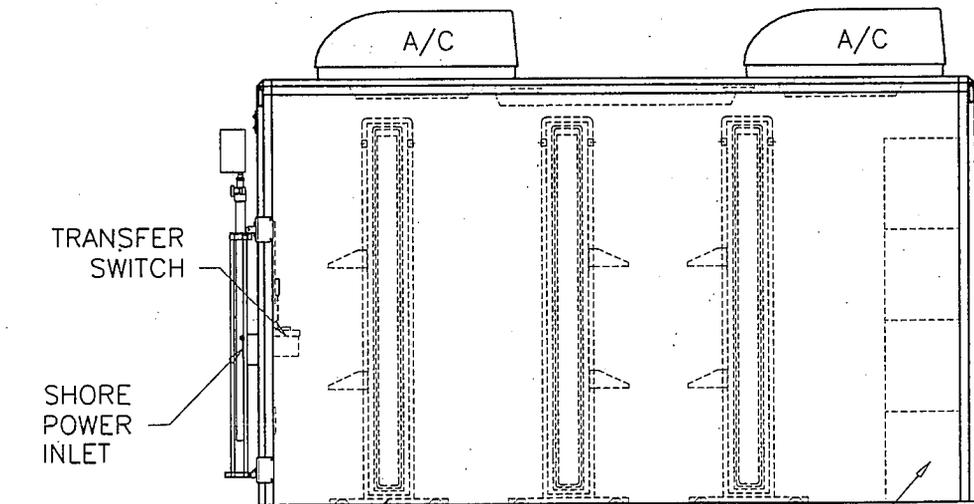
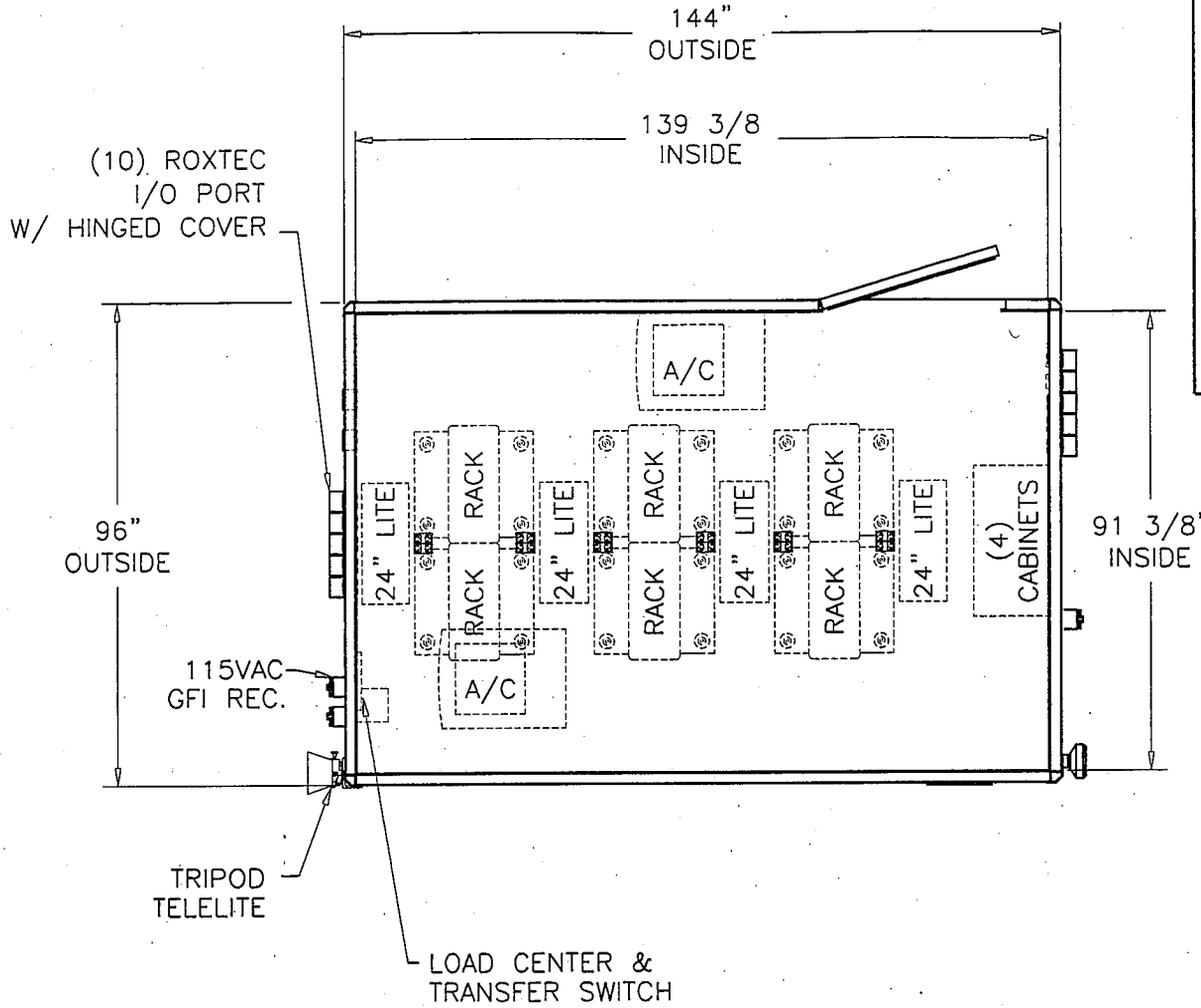
REV.	DATE	DESCRIPTION	BY
B			
A			

ALUMA TOWER CO. INC.

VERO BEACH, FL 32960

SPECIAL S812 SHELTER LAYOUT

DRWN BY:	SCALE:	DRWG. NO.
H.C.	FULL	
DGN BY:	DATE:	
C.D.	9-2-08	QS-1814
CKD BY:	APP'D	
C.D.		



REV.	DATE	DESCRIPTION	BY

GENERAL NOTES:

THIS DRAWING IS THE PROPERTY OF ALUMA TOWER CO. INC. ANY DUPLICATION OTHER THAN ITS EXPRESSED PURPOSE, REUSE, MODIFICATION OR PLAGIARISM OF ANY PART OF THIS DOCUMENT IS PROHIBITED. VIOLATORS WILL BE PROSECUTED UNDER FLORIDA STATE STATUTES.

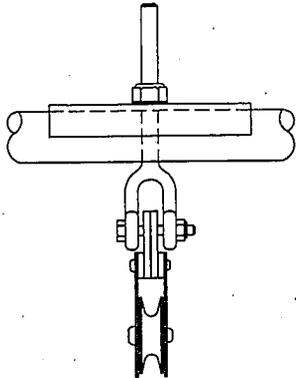
DO NOT SCALE DRAWING.

SHELTER HEIGHT
 EXTERIOR = 93 3/4"
 INTERIOR = 86 1/4"

2" DIA. x 1/4 WALL
x 8 FT. MAST
6061-T6 TUBE

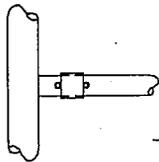
TOP PLATE AND
LOWER PLATE TO
SUIT CUSTOMERS
REQUIREMENTS

"C" SECTION



ENLARGED VIEW
OF PULLEY ASS'Y.

"D" SECTION



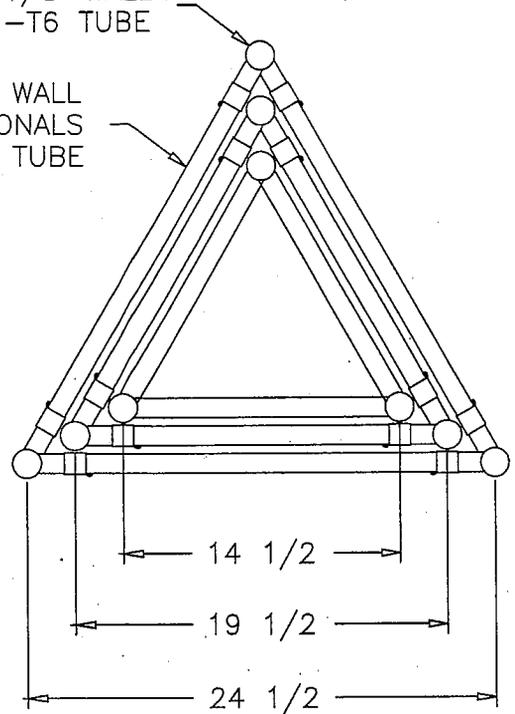
ENLARGED VIEW OF
ROLLER (BCD-111)
ASSEMBLY TYP.

"E" SECTION

WINCH

1 1/2 DIA. x 1/8 WALL
LEGS 6061-T6 TUBE

1" DIA. x .049 WALL
RUNGS & DIAGONALS
6063-T832 DRAWN TUBE



CROSS SECTION

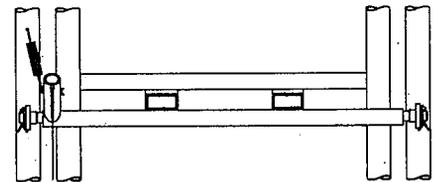
21'-2"

21'-2"

67'-4"

25'

40"



SAFETY STOP
E-562

GENERAL NOTES:

SEE SR-25.0-0239 FOR RIGGING LAYOUT
ALL DIMENSIONS ARE IN INCHES AND
FRACTIONS, UNLESS OTHERWISE SHOWN.

THIS DRAWING IS THE PROPERTY OF
ALUMA TOWER CO. INC. ANY DUPLICATION
OTHER THAN ITS EXPRESSED PURPOSE,
REUSE, MODIFICATION OR PLAGIARISM OF
ANY PART OF THIS DOCUMENT IS
PROHIBITED. VIOLATORS WILL BE PROS-
ECUTED UNDER FLORIDA STATE STATUTES.
DO NOT SCALE DRAWING.

APPROX. TOWER WT. 250#

ALUMA TOWER CO. INC.

VERO BEACH, FL 32960

T-75XHD STANDARD
TOWER ASSEMBLY

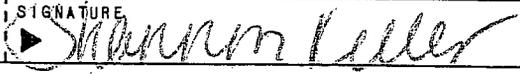
REV.	DATE	DESCRIPTION	BY	DRWN BY: M.R.T.	SCALE: FULL	DRWG. NO.
				DGN BY: R.T.	DATE: 7-14-97	QS-1029
				CKD BY: R.T.	APP'D.	

FEDERAL EXCISE TAX
EXEMPTION CERTIFICATE

NAME OF VENDOR Aluma Tower Company Inc.		
NAME OF AGENCY Dept. of General Services		
THIS ORDER - KIND <input type="checkbox"/> SUB-PURCHASE ORDER <input checked="" type="checkbox"/> PURCHASE ORDER	NUMBER 62153	DATE 9/12/2008

THE UNDERSIGNED HEREBY CERTIFIES THAT HE IS AN OFFICER OR EMPLOYEE OF THE STATE OF CALIFORNIA AND THAT HE IS AUTHORIZED TO EXECUTE THIS CERTIFICATE AND THAT THE ARTICLE OR ARTICLES SPECIFIED IN THE ACCOMPANYING ORDER OR ON THE REVERSE SIDE HEREOF ARE PURCHASED FOR THE EXCLUSIVE USE OF THE GOVERNMENTAL UNIT NAMED ABOVE.

IT IS UNDERSTOOD THAT THE EXEMPTION FROM TAX IN THE CASE OF SALES OF ARTICLES UNDER THIS EXEMPTION CERTIFICATE TO THE STATE OR ANY POLITICAL SUBDIVISION THEREOF IS LIMITED TO THE SALE OF ARTICLES PURCHASED FOR THEIR EXCLUSIVE USE, AND IT IS AGREED THAT IF ARTICLES PURCHASED TAX-FREE UNDER THIS EXEMPTION CERTIFICATE ARE USED OTHERWISE OR ARE SOLD TO EMPLOYEES OR OTHERS, SUCH FACT MUST BE REPORTED TO THE MANUFACTURER OF THE ARTICLE OR ARTICLES COVERED BY THIS CERTIFICATE. IT IS ALSO UNDERSTOOD THAT THE FRAUDULENT USE OF THIS CERTIFICATE TO SECURE EXEMPTION WILL SUBJECT THE UNDERSIGNED AND ALL GUILTY PARTIES TO A FINE OF NOT MORE THAN \$10,000, OR TO IMPRISONMENT FOR NOT MORE THAN FIVE YEARS, OR BOTH, TOGETHER WITH COSTS OF PROSECUTION.

OFFICER OR EMPLOYEE - TITLE OR POSITION Shannon Keller, Procurement	SIGNATURE 
--	---

STD. 802 (REV. 4-59)

STATE OF CALIFORNIA