



# County of Fairfax, Virginia

## MEMORANDUM

DATE: May 10, 2012

**TO:** Chris B. Caperton, Chief  
Facilities Planning Branch, Planning Division, DPZ

**FROM:** Kevin Guinaw, Chief *K. Guinaw*  
Special Projects/Applications Management Branch, Zoning Evaluation Division, DPZ

**SUBJECT:** Proposed Cricket Telecommunications Facility at 6320 Augusta Drive;  
Tax Map 80-4 ((1)) 4F; 2232 Application FS-L12-14

This is in response to a request for a determination as to whether the telecommunications facility proposed by Cricket Communications at 6320 Augusta Drive is in substantial conformance with the development conditions approved by the Board of Supervisors with Special Exception SE 83-L-037 (for a microwave facility and satellite dishes) and Special Permit S-69 (to permit construction of a 150-foot tall building plus penthouse), and with the development conditions approved by the Board of Zoning Appeals with Variance V 42-71 (to permit reduced setback for a parking structure). As described in the 2232 application dated April 12, 2012, from Heather Rubenstein, agent for the applicant, three (3) panel antennas (72" high x 9" wide x 7.4" deep) are proposed to be flush-mounted onto the exterior of the penthouse of the existing twelve-story office building. In addition, one (1) equipment cabinet is proposed for installation within the existing machine room. A copy of the 2232 application with illustrations of the proposed locations of the telecommunications equipment is attached.

The Zoning Administration Division has determined that a telecommunications facility as described above is a permitted use pursuant to the provisions of Sect. 2-514 of the Zoning Ordinance provided that it is determined to be in substantial conformance with any applicable special exception, special permit and variance. It is my determination that the proposed telecommunications facility is in substantial conformance with the above-referenced applications. Please note that this proposal is subject to 2232 review requirements and that the applicant's ability to proceed with its proposal is dependent upon approval by the Fairfax County Planning Commission of the pending 2232 approval. This determination has been made in my capacity as the duly authorized agent of the Zoning Administrator. If you have any questions regarding this memorandum, please call Carrie Lee (703) 324-1290.

KG/CDL/N:\Antennas\6320 Augusta Dr\_rooftop\Cricket.doc

Attachments: A/S

cc: Jeff C. McKay, Supervisor, Lee District  
James T. Migliaccio, Planning Commissioner, Lee District  
Barbara C. Berlin, Director, Zoning Evaluation Division, DPZ  
Diane Johnson-Quinn, Deputy Zoning Administrator, Zoning Permit Review, ZAD, DPZ  
Heather Rubenstein, MPI Industries, 6671 Santa Barbara Rd., Suite O, Elkridge, MD 21075  
File: SE 83-L-037, SP S-69, V 42-71, ANT 12 04 040, Imaging, Reading File



# County of Fairfax, Virginia

## MEMORANDUM

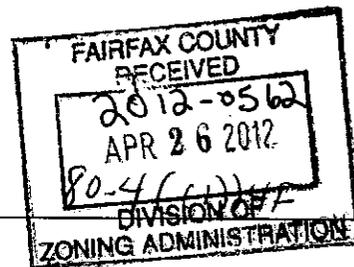
TO: Distribution below

DATE: 4-25-12

FROM: Chris B. Caperton, Chief  
Facilities Planning Branch, Planning Division, DPZ

SUBJECT: 2232 Review Application

RE: Application Number: FS-112-14 Tax Map: \_\_\_\_\_



Attached for your review and comment is a 2232 Review application.

RECEIVED FROM: C Ricket

PROPOSED USE: Telecom rooftop CO location

LOCATION OF USE: 6320 Augusta Dr., Springfield, VA 22150

ADDITIONAL COMMENTS: Springfield Towers

### DEADLINE

Please send your comments to Connie Maier by: 5/10/12

Phone: 703-324-1263 Email: CONNIE.MAIER@FAIRFAXCOUNTY.GOV

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### Distribution:

- DPWES/
  - LDS - Site Development & Inspections Div.
  - LDS - Urban Forestry
  - WM - Wastewater Plan. & Monitoring Div.
- DPZ /
  - Planning Div. - Env. & Dev. Review
  - Planning Div. - Historic Preservation
  - ZAD - Ordinance Administration
  - ZED See attached
- FCPA / Planning & Development Div.
- FW / Planning & Engineering Div.
- FCPS /
  - Property Management.
  - Facilities Planning
- FCDOT / Transportation Planning Div.
- Fire & Rescue / Strategic Planning
- Police
- VDOT / District Land Development Mgr.
- Other/
  - \_\_\_\_\_
  - \_\_\_\_\_

**FOR INFORMATION/**

- Planning Commission \_\_\_\_\_
- Board of Supervisors \_\_\_\_\_

RECEIVED  
Department of Planning & Zoning  
APR 27 2012  
Zoning Evaluation Division

Department of Planning and Zoning  
Planning Division  
12055 Government Center Parkway, Suite 730  
Fairfax, Virginia 22035-5509  
Phone 703-324-1380  
Fax 703-324-3056  
www.fairfaxcounty.gov/dpz/



**Kirst, Lorrie**

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**To:** Maier, Constance A.  
**Cc:** Parsons, Brian S.  
**Subject:** FS-L12-14, Cricket, 6320 Augusta Dr.

RE: FS-L12-14

Cricket Communications, Inc. –Rooftop collocation

6320 Augusta Drive

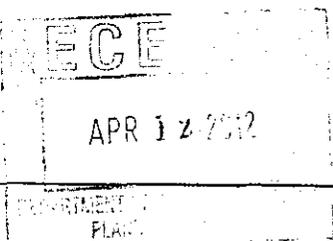
Tax Map: 80-4 ((1)) 4F

Zoning District: C-6

The proposed use meets the zoning requirements of Par. 1 of Sect. 2-514 of the Zoning Ordinance.

Refer to ZED: Must be in substantial conformance with the Special Exception SE 83-L-037, Special Permit SP-69 and Variance V 42-71.

Submitted by: Brian Parsons 4/27/12



**COUNTY OF FAIRFAX, VIRGINIA**  
**APPLICATION FOR DETERMINATION**  
**PURSUANT TO**  
**SECTION 15.2-2232 OF THE CODE OF VIRGINIA**

**Application Number:** FS-112-14  
(assigned by staff)

*The application contains three parts: I. Application Summary; II. Statement of Justification; and III. Telecommunication Proposal Details. Please do not staple, bind or hole-punch this application. Please provide at least one copy of all pages, including maps and drawings, on 8.5 x 11 inch paper.*

*(Please Type or Print All Requested Information)*

**PART I: APPLICATION SUMMARY**

**ADDRESS OF PROPOSED USE**

Street Address 6320 Augusta Drive  
City/Town Springfield, Fairfax Zip Code 22150

**APPLICANT(S)**

Name of Applicant Cricket Communications  
Street Address 6671 Santa Barbara Road, Suite O  
City/Town Elkridge State MD Zip Code 21075  
Telephone Number: Work (410) 567-7800 Fax (410) 796-4923  
E-mail Address heather@mpi-industries.com

Name of Applicant's Agent/Contact (if applicable) Heather Rubinstein  
Agent's Street Address 6671 Santa Barbara Road, Suite O  
City/Town Elkridge State MD Zip Code 21075  
Telephone: Work (443) 465 6024 Fax (240) 794 7754

**PROPOSED USE**

Street Address 6320 Augusta Drive

Fairfax Co. Tax Map and Parcel Number(s) 0804 01 0004F

Brief Description of Proposed Use \_\_\_\_\_

Attach three (3) antennas flush mounted to the penthouse of the premises building and locate equipment within existing machine room.

Total Area of Subject Parcel(s) 238,840 square feet (acres or square feet)

Portion of Site Occupied by Proposed Use N/A (acres or square feet)

Fairfax County Supervisor District Lee Transportation District

Planned Use of Subject Property (according to Fairfax County Comprehensive Plan)

Zoning of Subject Property C - 6

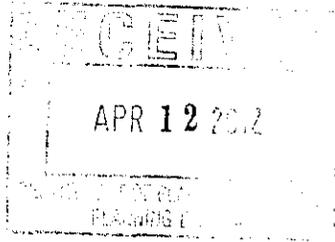
List all applicable Proffer Conditions, Development Plans, Special Exceptions, Special Permits or Variances previously approved and related to this site

**PROPERTY OWNER(S) OF RECORD**

Owner Federal Realty Investment Trust / Springfield Towers

Street Address 1626 East Jefferson Street

City/Town Rockville State MD Zip Code 20852



**PART II**, entitled "Statement of Justification," pages 4 through 6, shall be completed by all applicants and included as part of the application. **PART III**, entitled "Telecommunication Proposal Details," pages 7 through 9, also shall be completed and included for all proposed telecommunication uses.

Name of Applicant or Agent Heather Rubinstein

Signature of Applicant or Agent

Date April 12, 2012

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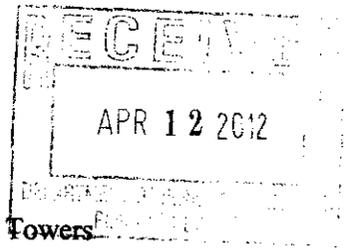
*Please do not staple, bind or hole-punch this application. Please provide at least one copy of all pages, including maps and drawings, on 8.5 x 11 inch paper.*

**Submit completed application to:**

**Fairfax County  
Department of Planning and Zoning, Planning Division  
Herrity Building  
12055 Government Center Parkway, Suite 730  
Fairfax, Virginia 22035**

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<p><b>FOR STAFF USE ONLY</b></p> <p>Date application received: <u>4/12/12</u></p> <p>By: <u></u></p> <p>Additional information requested to complete application:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Date application accepted: <u>  /  /  </u></p> <p>By: _____</p>
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## STATEMENT OF JUSTIFICATION

Cricket Proposal to attached antennas to a rooftop penthouse of Springfield Towers  
6320 Augusta Drive, Springfield VA

### INTRODUCTION

Cricket Communications ("Cricket") is licensed by the Federal Communications Commission to provide wireless telecommunications services in the Baltimore/Washington/Virginia area.

### DESCRIPTION FOR PROPOSED USE

Cricket proposes to attach three (3) flush mounted antennas to the penthouse of the subject building. Subject building maximum height is 163'7". The antennas will be painted to match the color of the exterior of the penthouse. Antenna dimensions are 72" high, 9" wide and 7 1/2" inches deep. The associated equipment will be located inside the machine room. The dimensions of the cabinet are 7' in height and 2'5" in width.

The proposed facility will operate automatically and will not require personnel or hours of attendance. It will operate twenty-four (24) hours a day three hundred sixty-five (365) days a year. Maintenance personnel will visit the site periodically and occasionally for repairs or modifications to the facility. The site will generate only 1 visit per month for maintenance purposes

### REQUIREMENT FOR PROPOSED USE

The proposed facility is a vital component of Cricket's area-wide wireless telecommunications network. Cricket proposes to make use of the existing structure to eliminate the need for a new telecommunications tower in this search area and to minimize the visual impact of the project on surrounding property owners. This site is not only strategically superior to other sites in this area, but also makes use of an existing structure which is a stated goal of the Fairfax County Comprehensive Land Use Plan and the Fairfax County Zoning Ordinance.

In order to provide uninterrupted coverage, Telecommunications carriers must locate antennas sites consistent with its network design and within relatively limited geographic parameters. When carriers cannot locate a site within these geographic parameters, network users will pass through an area where the lost signal results in interrupted or "dropped" calls and which also poses significant safety issues. Including a lack of coverage in emergencies and interrupted calls may pose a dangerous distraction to drivers. Finally, an incomplete system is inconsistent with Cricket's legal obligations pursuant to its FCC license requirements to provide continuous coverage as well as to provide coverage to a percentage of the population within specific time parameter.

### CONSISTENCY WITH THE COMPREHENSIVE PLAN

The Fairfax County Comprehensive Plan has policies and objectives for locating mobile and land-based telecommunications facilities. The main objective of the Plan is to locate new telecommunications facilities in such a way as to limit their visual impact on the community; including the utilization of existing structures whenever possible and to locate antennas that blend in with the surrounding environment. Accordingly, a telecommunications facility found to meet the guidelines and objectives of the Comprehensive Plan, such as the proposed facility can be considered a "feature shown" of the Plan and therefore Planning Commission review would not be required.

Cricket's proposed facility meets the policies of the Plan including the following objectives.

- **Objective 42: Policy a and Objective 44: Policy a – Avoid the construction of new towers by locating antennas on an existing structure such as a building located in a residential area and is at least 35 feet in height**

The Springfield Tower building is the highest structure (163 feet 7 inches) in the search area which is predominantly zoned commercial.

- **Objective 42: Policy h – Design, site and land based telecommunications facilities to minimize impacts on the character of the property and surrounding areas.**

Antennas will be flush-mounted and attached to the penthouse walls avoiding silhouetted antennas against the sky causing the roof to appear cluttered. The associated equipment will be located inside the existing machine room of the building further reducing rooftop clutter.

- **Objective 42: Policy j – Use effective design options to blend telecommunication facilities with the pattern of tall buildings.**

The flush mount antennas located on the penthouse walls will be painted to match the exterior of the building mitigating visual impact.

- **Objective 45: Policy a – Locate telecommunications facilities to meet the provisions of the Zoning Ordinance**

The antennas meet the dimension requirements and attachment design standards of the Zoning Ordinance. Additionally, the equipment will be located in the machine room of the building also recommended by the Ordinance.

Based on the design of the proposed telecommunications facility at Springfield Towers, the Comprehensive Policy and Goals have been met.

## **IMPACT TO ADJOINING PROPERTIES AND POSSIBLE ENVIRONMENTAL IMPACTS**

The facility is unmanned, self-operating and utilizes on-site electricity, there are no anticipated impacts to the neighboring properties or to any environmental features. The site will generate only 1 visit per month for maintenance purposes. The site will not be lighted and any noise produced by the equipment will be minimized due to its location inside of the machine room. Visual impacts have been addressed by flush mounting on the penthouse walls and utilizing available space between other existing wireless carrier's antennas.

## **ALTERNATIVE SITES CONSIDERED FOR THE PROPOSAL**

Other sites in the area were analyzed by Cricket's Radio Frequency Engineer as possible candidates however they did not achieve the same service results as the Springfield Tower building. Therefore, the Springfield Tower building was selected as the ideal location for Cricket's network deployment in this area.

Please complete and provide all requested information. If question is not applicable to the proposed use, please indicate with N/A.

**PROPOSED TELECOMMUNICATION USE**

Use is (check one):

- New structure (monopole, tower or camouflaged facility)
- Replacement of existing pole or tower at same location with another pole or tower
- Antenna placement on building or penthouse facade
- Antenna placement on building or penthouse rooftop
- Collocation on other existing telecommunications structure (monopole or tower)
- Collocation on other non-telecommunications structure (such as an electric transmission tower/pole, utility pole, water tower, etc.)
- Modification to telecommunications facility previously approved for same applicant:  
Prior 2232 Review application number: \_\_\_\_\_  
Date of Planning Commission approval: \_\_\_\_\_

**PROJECT DETAILS**

**1. ANTENNA**

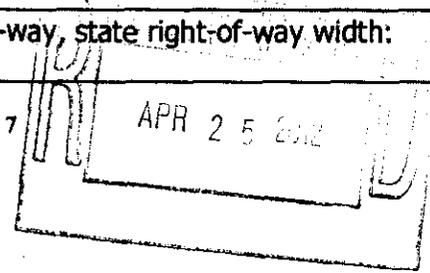
Number and Type: 3 Panel Antennas  
Dimensions: height 72" width 9.0" depth 7.4" diameter \_\_\_\_\_  
Location / Placement: facade of penthouse  
Wattage: 2 x 300 W  
Material and Color: Standard material color to match (as per code) the Bldg.  
Material and Color of the Antenna Mounting: Standard Mount - TBD  
Height Above Ground: 163'7" Top of Antenna

**2. EQUIPMENT**

Number and Type of Cabinets or Structures: 1 Nordel Indoor Equipment Cabinet  
Cabinet / Structure Dimensions: height 7" width \_\_\_\_\_ depth 2'5"  
Height of equipment platforms, if any: N/A  
Material and Color: metal  
Location: Existing machine room  
Method of Screening: See above

**3. STRUCTURE ON WHICH ANTENNAS WILL BE MOUNTED**

Maximum Height: 163'7"  
Material: Brick  
Color: Brick  
If structure is within a utility right-of-way, state right-of-way width: \_\_\_\_\_



**MAP #: 0804 01  
0004F  
FEDERAL REALTY  
INVESTMENT**

**N/A**

**Owner**

Name FEDERAL REALTY INVESTMENT,  
TRUST  
Mailing Address 1626 E JEFFERSON ST ROCKVILLE  
MD 20852  
Book 10536  
Page 1624

**Parcel**

Property Location  
Map # 0804 01 0004F  
Tax District 4T000  
District Name LEE TRANSPORTATION  
Land Use Code Supermarket  
Land Area (acreage)  
Land Area (SQFT) 238,840  
Zoning Description C-6(Community Retail)  
Utilities WATER CONNECTED  
SEWER CONNECTED

County Historic Overlay NO  
District

For further information about  
Historic Overlay Districts, Click here

Street/Road PAVED  
Site Description

**Legal Description**

Legal Description WESTLYN LP  
PROP  
PCL D

**Sales History**

Date	Amount	Seller	Buyer
08/24/1998	\$17,600,000		FEDERAL REALTY INVESTMENT
12/30/1986	\$0		

**Sales**

Date	08/24/1998
Amount	\$17,600,000

1 of 2

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Augusta

6310

6320

6707

4F

0804 01 0004F

0804 01 0004

0804 01 0004B

6335

Ave

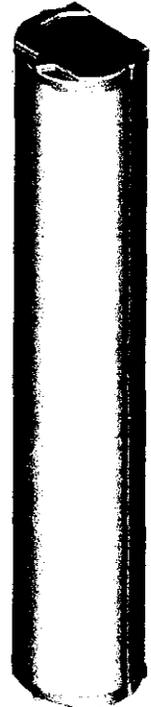
6711

0804 01 0004A

CA

# WBX065A19Rx50

X-Pol | 2-Way VET with Remote Azimuth Steering | 65° | 19.3 dBi

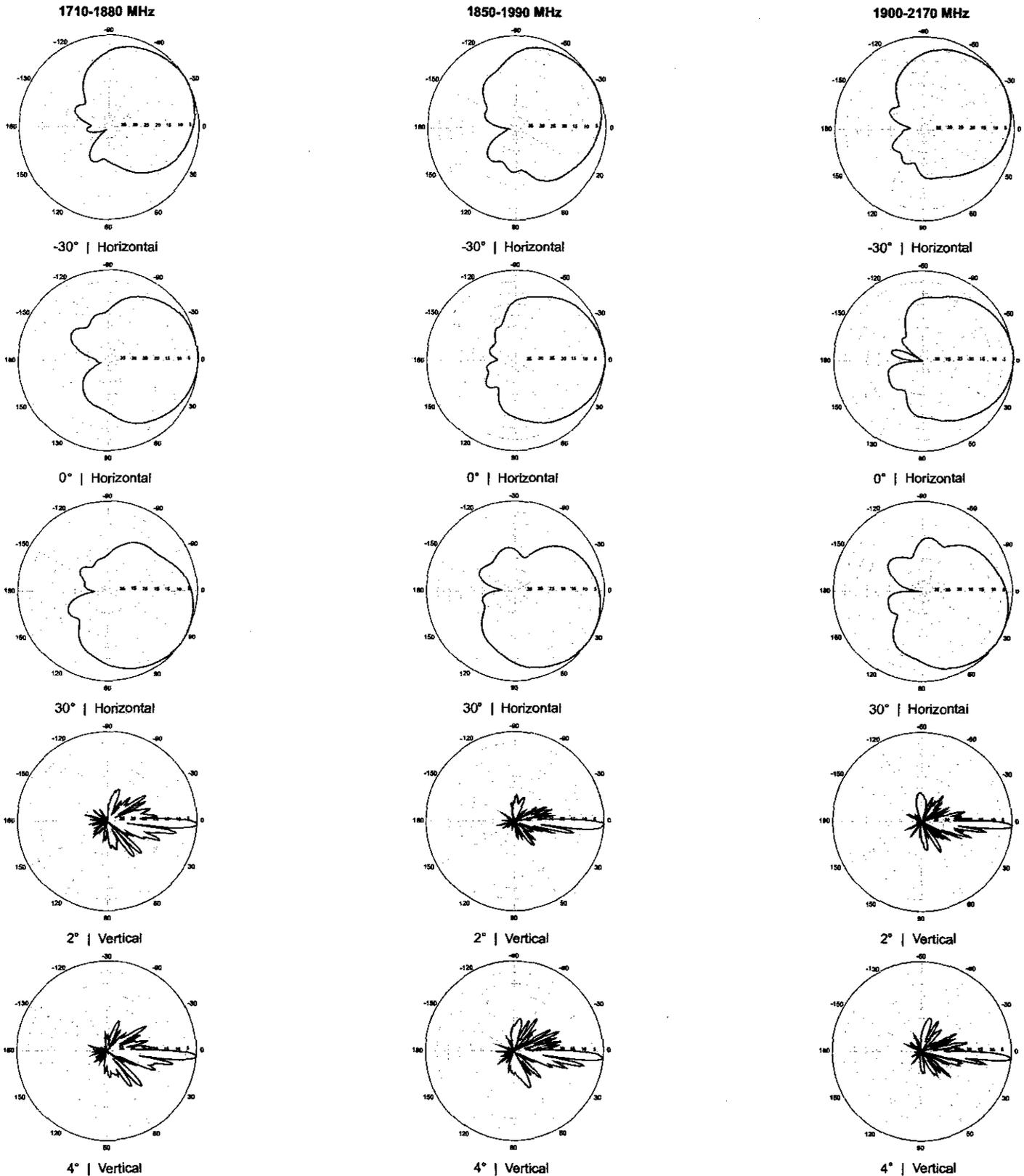


Ordering Options	INCLUDES:				
	Internal RET	Internal Bias-T	BTS AISG Modem	Use With	
WBX065A19R050	Yes	No	No	AISG RET cabling only	
WBX065A19R250	Yes	Yes	No	Removable BTS AISG Bias-T MODEM100 or MODEM101	
WBX065A19R250-0	Yes	Yes	MODEM100 (DF/DF)	---	
WBX065A19R250-1	Yes	Yes	MODEM101 (DF/DM)	---	
Electrical Characteristics		1710-2170 MHz			
Frequency bands	1710-1880 MHz	1850-1990 MHz	1900-2170 MHz		
Polarization	±45°	±45°	±45°		
Horizontal beamwidth	68°	66°	64°		
Vertical beamwidth	5.3°	5.1°	4.7°		
Gain	16.3 dBd / 18.4 dBi	16.6 dBd / 18.7 dBi	17.2 dBd / 19.3 dBi		
Electrical downtilt	2-8° Variable Electrical Tilt				
Adjustable azimuth steering	±30°				
Impedance	50Ω				
VSWR	< 1.4:1				
Upper sidelobe suppression	< 20 dB typical				
Front-to-back ratio	> 25 dB				
In band isolation	> 28 dB				
IM3 (2x20W carrier)	< -153 dBc				
Input power	2 x 300 W				
Input DC power (where applicable)	10V - 30V DC				
Modem frequency (where applicable)	2.176 MHz				
Lightning protection (where applicable)	Gas discharge				
Connector(s)	2 ports / 7/16 DIN / Female / Bottom				
Operating temperature	-40° to +60° C / -40° to +140° F				
Mechanical Characteristics					
Dimensions Length x Width x Depth	1829 x 228 x 187 mm		72.0 x 9.0 x 7.4 in		
Weight without mounting brackets	15.0 kg		33 lbs		
Survival wind speed	201 km/hr		125 mph		
Wind load @ 161 km/hr (100 mph)	Front: 340 N	Side: 280 N	Front: 77 lbf	Side: 63 lbf	
Mounting Options	Part Number	Fits Pole Diameter		Weight	
Standard scissor tilt bracket kit	MKS02T08 included	40-115 mm	1.6-4.5 in	4.3 kg	9.5 lbs
Optional pole mounting bracket kit	MKS02P01 sold separately	40-115 mm	1.6-4.5 in	2.9 kg	6.5 lbs
Accessories	Part Number	Description			
Portable Control Unit Kit	PCU-Kit-4-US	Kit includes PCU-4 controller, USB controller cable, RS485 cable, ALDC software and storage bag			
Portable Control Unit Kit with BTS AISG Bias-T MODEM100	PCU-4-BT100-Kit	Kit includes PCU-4 controller, USB controller cable, RS485 cable, ALDC software, removable AISG Bias-T MODEM100 and storage bag			
Portable Control Unit Kit with BTS AISG Bias-T MODEM101	PCU-4-BT101-Kit	Kit includes PCU-4 controller, USB controller cable, RS485 cable, ALDC software, removable AISG Bias-T MODEM101 and storage bag			
BTS AISG Bias-T Modem	MODEM100	DF/DF spare Bias-T			
	MODEM101	DF/DM spare Bias-T			
Connector Caps	CC-CAP-M	Male to protect female			
	CC-CAP-F	Female to protect male			
Control Cable Jumpers	CC-05-xx-FM	5 conductor, female x male connector, many lengths available			
Concealment Options					
Unicell module	None				

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

**WBX065A19Rx50**

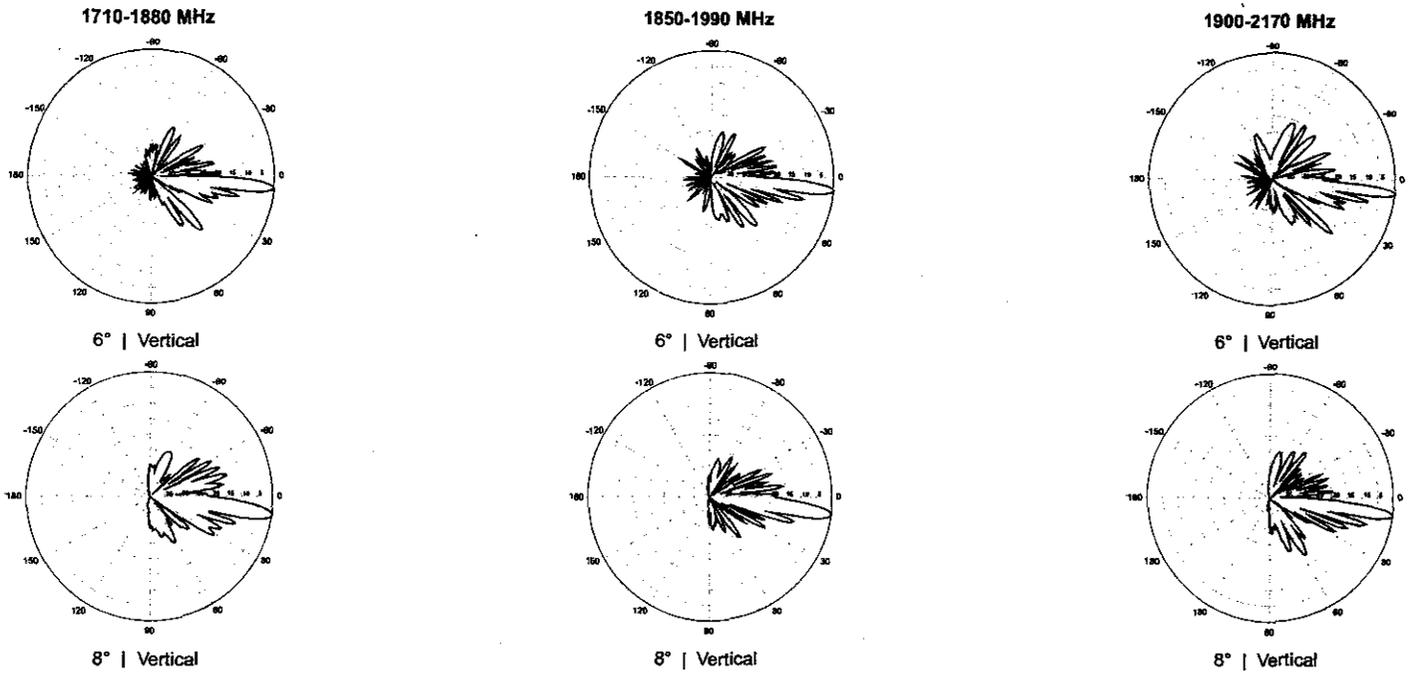
X-Pol | 2-Way VET with Remote Azimuth Steering | 65° | 19.3 dBi



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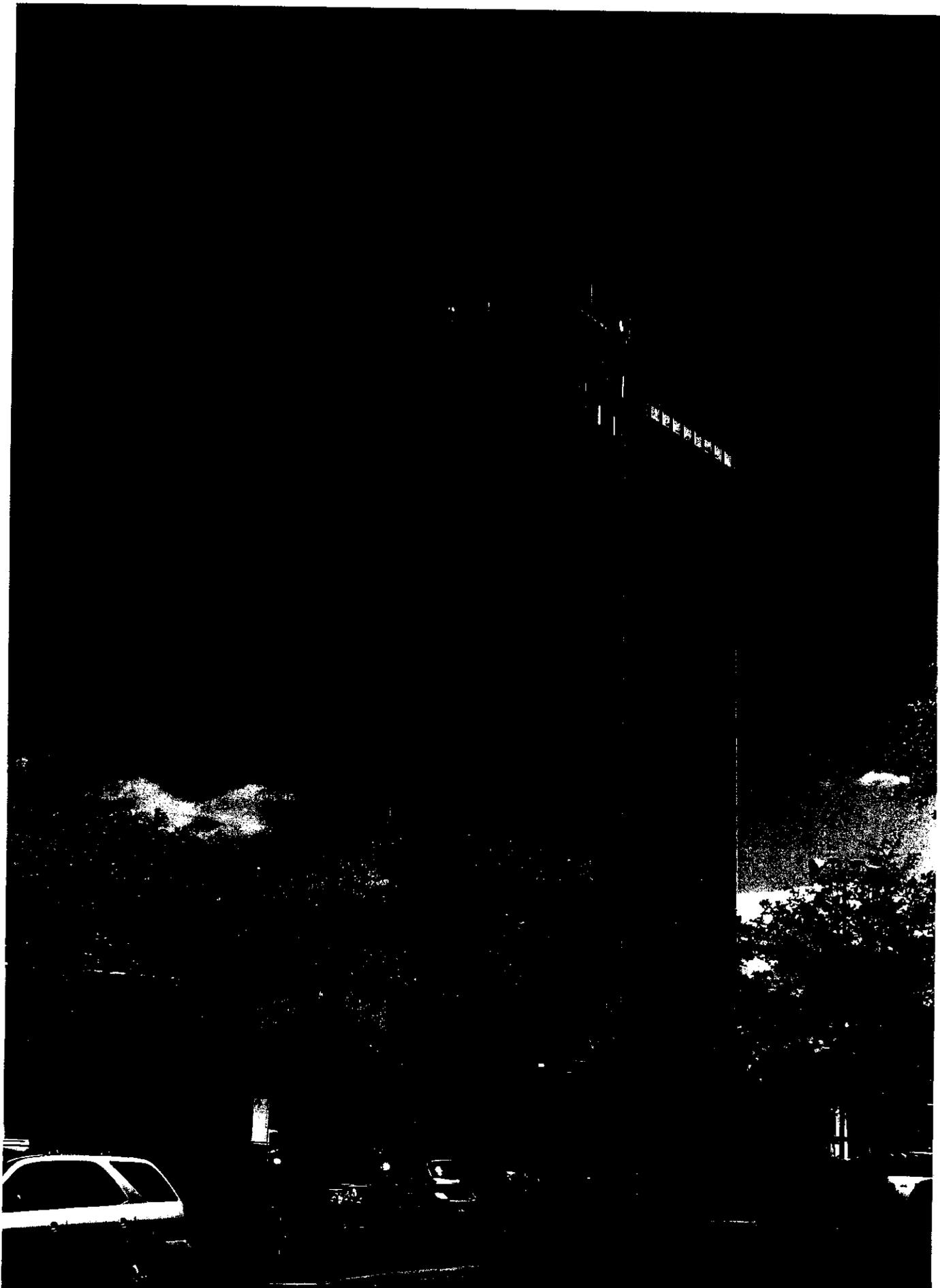
# WBX065A19Rx50

X-Pol | 2-Way VET with Remote Azimuth Steering | 65° | 19.3 dBi



Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

2  
1975



73  
10000  
10000  
10000

Proposed Information  
View from the Southwest  
Showing the Proposed Site

NETWORK BUILDING  
10000

NEW YORK



NEW YORK  
NEW YORK  
NEW YORK

For more information  
View from the Southwest  
Showing the Existing site

NEW YORK BUILDING



3100 S. ROAD 701  
WHEELERS, WEST MICHIGAN COUNTY  
8820 AVENUE DRIVE  
SPRINGFIELD, VA 22150

Photograph taken from the South  
Showing the Proposed Site



**NETWORK BUILDING  
& CONSULTING, LLC**



200 North CD 7th  
Windsor Research & Development Facility  
2500 Airport Drive  
Spokane, WA 99215-0000

Photograph Information:  
View from the South  
Showing the Existing Site



**NETWORK BUILDING  
& CONSULTING, LLC**

YASA NAIL  
SALON SPA  
5722155

YASA NAIL  
SALON SPA



YASA NAIL  
SALON SPA



YASA NAIL  
SALON SPA



YASA NAIL  
SALON SPA

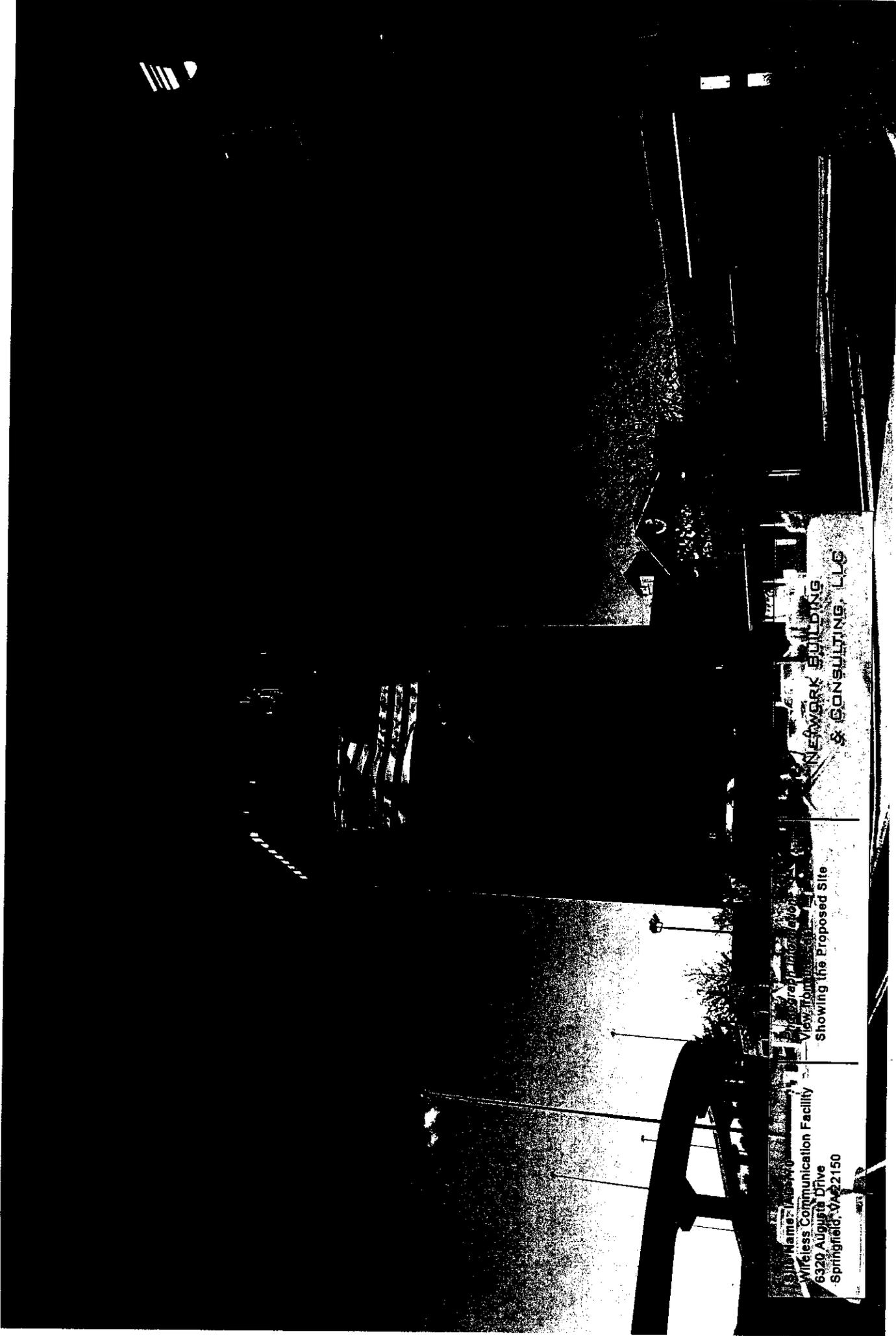
WAS A NOTUS  
SALON  
SPINZLES



Site Name: 148-440  
Wireless Communication Facility  
6320 Augusta Drive  
Springfield, VA 22150

Photograph Location  
View From  
Showing the Proposed Site

NETWORK BUILDING  
& CONSULTING, LLC



Site Name: MD-770  
Wireless Communication Facility  
6320 Augusta Drive  
Springfield, VA 22150

Photography Information  
View from the site  
Showing the Existing Site

NEWBARK BUILDING  
& CONSULTING, LLC



**cricket**  
 COMMUNICATIONS, INC.  
 CRICKET COMMUNICATIONS, INC.  
 5817 SAFFY BARRACK ROAD  
 GAITHERSBURG, MARYLAND 20878  
 PH (301) 947-7888 FAX (410) 796-8822

**ADVANTAGE ENGINEERS**  
 PROFESSIONAL ENGINEERS  
 100 COLLETTA DRIVEWAY WEST  
 SUITE 200  
 FARMERS BRANCH, TEXAS  
 75448-1000

**SCHEDULE OF REVISIONS**

NO.	DATE	DESCRIPTION
1	04-08-17	ISSUED FOR SCOPED IOW
2	04-08-17	ISSUED FOR PER REVIEW IOW
3		ISSUED FOR PER REVIEW IOW
4		ISSUED FOR PER REVIEW IOW
5		ISSUED FOR PER REVIEW IOW
6		ISSUED FOR PER REVIEW IOW
7		ISSUED FOR PER REVIEW IOW
8		ISSUED FOR PER REVIEW IOW
9		ISSUED FOR PER REVIEW IOW
10		ISSUED FOR PER REVIEW IOW

DESIGNED BY: JTA  
 CHECKED BY: MTA  
 SCALE: NOTED  
 JOB NO.: TAC0009  
 DRAWING TITLE:  
 SHEET NO.: 2 OF 8

**SITE PLAN**

**Z-1**

**SITE NAME:**  
 SPRINGFIELD TOWER

**ADDRESS:**  
 I-49/77A

**CITY:**  
 SPRINGFIELD, VIRGINIA

**PROJECT NO.:**  
 2009-0001

**SHEET NO. 2 OF 8**

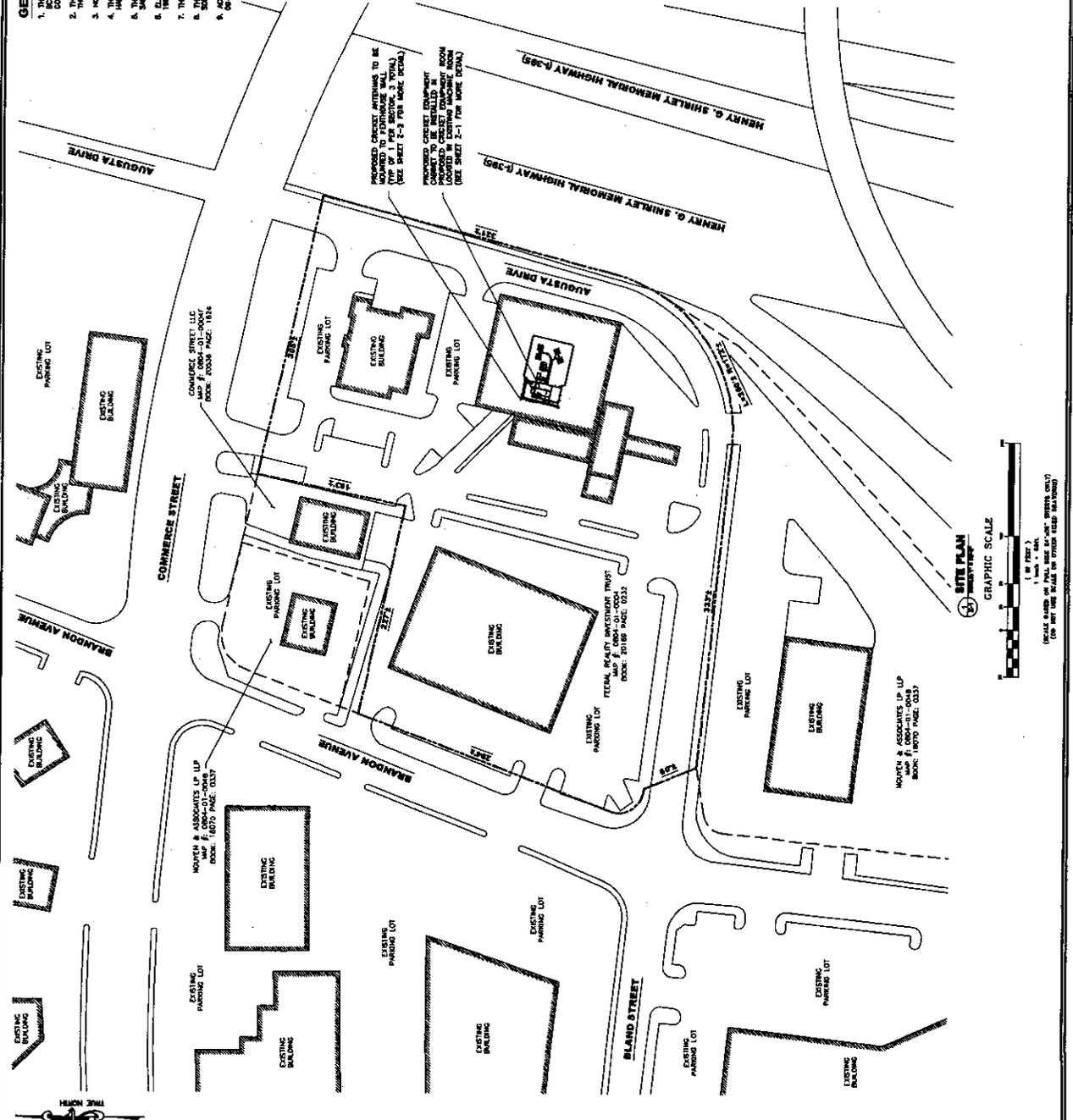
**DATE:**  
 4/14/12

**GENERAL NOTES:**

1. THIS PLAN WAS PREPARED USING AN APPROVED PLAN DATED SITE PLAN BY ADVANTAGE ENGINEERS, INC. THIS PLAN SHOULD NOT BE CONSIDERED AS AN ACCURATE SURVEY.
2. THE PROPOSED FACILITY WILL CAUSE THE 'MINIMUM' IN STORMWATER RUNOFF. THEREFORE, NO DRAINAGE STRUCTURES ARE PROPOSED.
3. NO HOUSE, SHED, CURB, OR DOOR WILL RESULT FROM THIS FACILITY.
4. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. THERE IS NO HAND-UP FACILITY REQUIRED.
5. ALL UTILITIES ARE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
6. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
7. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE STREET LIGHTS OF ANY TYPE.
8. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES.
9. ACCORDING TO THE F.A.R.M. COMMUNITY PLAN, P1503000000, DATED 08-17-2010, THE PROPOSED SITE IS NOT IN A FLOOD PLAIN.

**ROOFTOP CALCULATIONS**

TOTAL ROOF AREA = 3,110 SQ FT  
 PORCH/DECK AREA = 883 SQ FT  
 EQUIPMENT AREA (AC UNITS, ANTENNAS, ETC.) = 400 SQ FT  
 PERCENTAGE OF ROOF DRAINAGE = 91.28%





**cricket**  
communications, Inc.  
COMMUNICATIONS INTERNATIONAL, INC.  
SUITE 100  
10000 W. CENTRAL EXPRESSWAY  
DALLAS, TEXAS 75243  
PH (214) 347-7300 FAX (214) 347-9223

**ADVANTAGE ENGINEERS**  
CONSULTING ENGINEERS  
1100 WEST WILSON AVENUE  
SUITE 100  
DALLAS, TEXAS 75207  
PHONE (214) 342-8800  
FAX (214) 342-8801

SCHEDULE OF REVISIONS

NO.	DATE	DESCRIPTION OF CHANGE
1	04-20-12	ISSUED FOR EXAMINATION
2	04-20-12	ISSUED FOR PERMITS (201)
3		REVISIONS BY CONTRACTOR
4		
5		
6		
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10		

DRAWN BY: JTR  
 CHECKED BY: A.T.G.  
 SCALE: NOTED  
 JOB NO.:  
 DRAWING TITLE:

**ELEVATION**

DRAWING NUMBER: **Z-3**

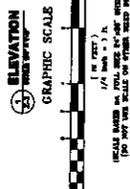
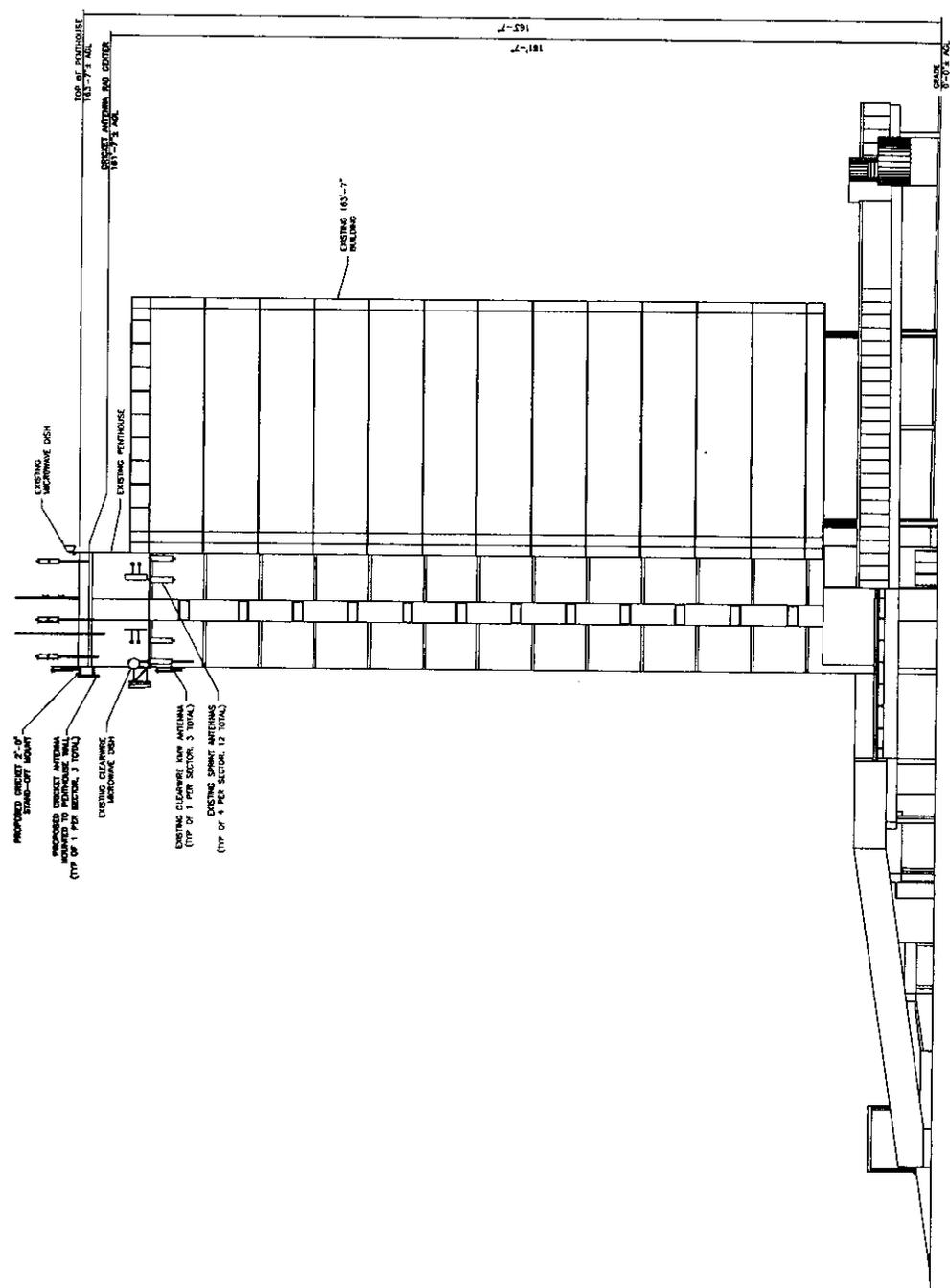
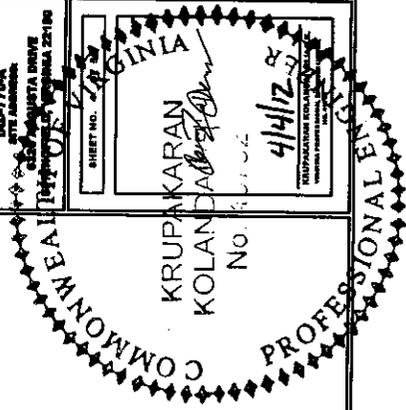
SITE NAME: **SPRINGFIELD TOWER**  
 SITE NUMBER: **143-770-A**  
 SITE ADDRESS: **2500 W. HUNTER DRIVE  
 DALLAS, TEXAS 75210**

SHEET NO. **1** OF **1**

**GINIA**

**KRUPAKARAN KOLANDAS**  
 No. **41412**

REGISTERED PROFESSIONAL ENGINEER  
 STATE OF TEXAS



**cricket**  
 COMMUNICATIONS, INC.  
 1000 N. CENTRAL EXPRESSWAY  
 SUITE 100  
 DALLAS, TEXAS 75208  
 PHONE (214) 761-1000 FAX (214) 761-1001

**ADVANTAGE**  
 ENGINEERS  
 1000 N. CENTRAL EXPRESSWAY  
 SUITE 100  
 DALLAS, TEXAS 75208  
 PHONE (214) 761-1000 FAX (214) 761-1001

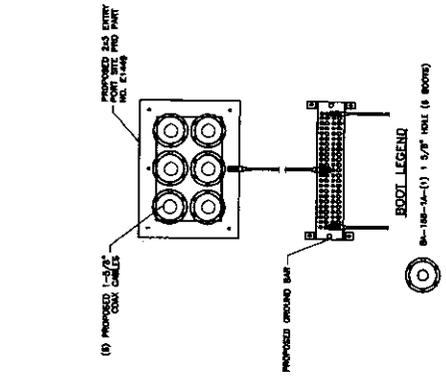
SCHEDULE OF REVISIONS	
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DATE: 11/10/92  
 CHECKED BY: JTC  
 DRAWN BY: JTC  
 SCALE: AS SHOWN  
 PROJECT: SPRINGFIELD TOWER  
 DRAWING TITLE: CONSTRUCTION DETAILS

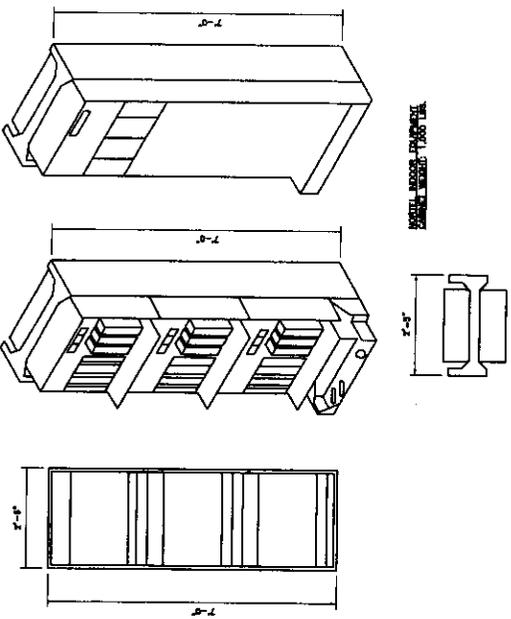
**Z-4**

DATE: 11/10/92  
 CHECKED BY: JTC  
 DRAWN BY: JTC  
 SCALE: AS SHOWN  
 PROJECT: SPRINGFIELD TOWER  
 DRAWING TITLE: CONSTRUCTION DETAILS

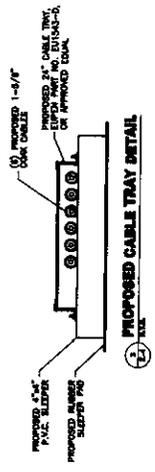
SHEET NO. 5 OF 8  
 KRUPAKARAN  
 KOILAN  
 NO. 49192  
 9/4/92  
 PROFESSIONAL ENGINEER  
 STATE OF TEXAS



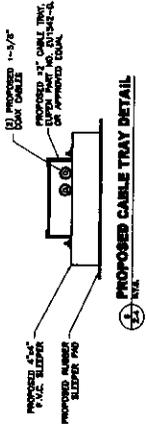
**PROPOSED ENTRY PORT DETAIL**



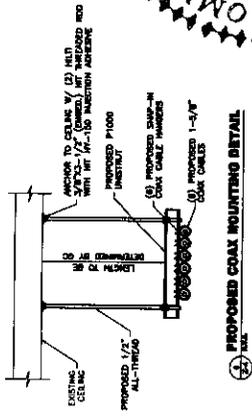
**MORTEL INDOOR EQUIPMENT CABINET DETAIL**



**PROPOSED CABLE TRAY DETAIL**



**PROPOSED CABLE TRAY DETAIL**



**PROPOSED COAX MOUNTING DETAIL**

