

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

THE APPLICATION OF	)	
APC TOWERS IV, LLC,	)	
A DELAWARE LIMITED LIABILITY COMPANY AND	)	
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS	)	
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC	)	CASE NO.: 2026-00157
CONVENIENCE AND NECESSITY TO CONSTRUCT	)	
A WIRELESS COMMUNICATIONS FACILITY	)	
IN THE COMMONWEALTH OF KENTUCKY	)	
IN THE COUNTY OF ROCKCASTLE	)	

SITE NAME: LV TURKEYTOWN

* * * * *

**APPLICATION FOR
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY
FOR CONSTRUCTION OF A WIRELESS COMMUNICATIONS FACILITY**

APC Towers IV, LLC, a Delaware limited liability company, and Cellco Partnership d/b/a Verizon Wireless (“Applicants”), by counsel, pursuant to (i) KRS §§ 278.020, 278.040, 278.650, 278.665, and other statutory authority, and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully submit this Application requesting issuance of a Certificate of Public Convenience and Necessity (“CPCN”) from the Kentucky Public Service Commission (“PSC”) to construct, maintain, and operate a Wireless Communications Facility (“WCF”) to serve the customers of Verizon Wireless with wireless communications services.

In support of this Application, Applicants respectfully provide and state the following information:

1. The complete name and address of the Applicants are: APC Towers IV, LLC,

a Delaware limited liability company, having an address of 8601 Six Forks Road, Suite 250, Raleigh, NC 27615 and Cellco Partnership d/b/a Verizon Wireless having an address of 2421 Holloway Road, Louisville, Kentucky 40299.

2. Applicants propose construction of an antenna tower for communications services, which is to be located in an area outside the jurisdiction of a planning commission, and Applicants submit this application to the PSC for a certificate of public convenience and necessity pursuant to KRS §§ 278.020(1), 278.040, 278.650, 278.665, and other statutory authority.

3. APC Towers IV, LLC is a limited liability company organized in the State of Delaware on March 3, 2022. APC Towers IV, LLC's Certificate of Good Standing issued by the State of Delaware is attached as part of **Exhibit A** and hereby incorporated by reference. APC Towers IV, LLC is in good standing in the state in which it is organized and further states that it is authorized to transact business in Kentucky, and a copy of the Certificate of Authorization issued by the Kentucky Secretary of State is attached as part of **Exhibit A** and is hereby incorporated by reference.

4. Cellco Partnership d/b/a Verizon Wireless is a Delaware general partnership, and a copy of the Statement of Good Standing from Delaware and Certificate of Assumed Name on file with the Kentucky Secretary of State are included as a part of **Exhibit A**. Verizon Wireless is in good standing in the state in which it is organized and further state that they are authorized to transact business in Kentucky.

5. Cellco Partnership d/b/a Verizon Wireless operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC

requirements. A copy of Celco Partnership d/b/a Verizon Wireless' FCC applications and licenses to provide wireless services are attached to this Application or described as part of **Exhibit A**, and the facility will be constructed and operated in accordance with applicable FCC regulations.

6. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve Verizon Wireless' services to an area currently not served or not adequately served by Verizon Wireless by increasing coverage or capacity and thereby enhancing the public's access to innovative and competitive wireless communications services. The WCF will provide a necessary link in Verizon Wireless' communications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications service area. The WCF is an integral link in Verizon Wireless' network design that must be in place to provide adequate coverage to the service area.

7. To address the above-described service needs, Applicants propose to construct a WCF in a lease area located at 9311 Dysart Way, Crab Orchard, KY 40419 (37° 25' 50.03" North latitude, 84° 27' 34.83" West longitude) on a parcel of land located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Paul Gale Barrett and Nieta Gail Barret, pursuant to a deed recorded in Book 143, Page 323 in the office of the County Clerk. The proposed WCF will consist of a 245-foot-tall guyed tower, with an approximately 5-foot-tall lightning arrestor attached at the top, for a total height of 250 feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of

radio electronics equipment and appurtenant equipment. The equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit B** and **Exhibit C**.

8. A list of utilities, corporations, or persons with whom the proposed WCF is likely to compete is attached as **Exhibit D**.

9. The site development plan and a vertical profile sketch of the WCF signed and sealed by a professional engineer registered in Kentucky depicting the tower height, as well as a proposed configuration for the antennas of Verizon Wireless has also been included as part of **Exhibit B**.

10. Foundation design plans signed and sealed by a professional engineer registered in Kentucky and a description of the standards according to which the tower was designed are included as part of **Exhibit C**.

11. Applicants have considered the likely effects of the installation of the proposed WCF on nearby land uses and values and have concluded that there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to co-locate antennas on an existing structure. When suitable towers or structures exist, Verizon Wireless attempts to co-locate on existing structures such as communications towers or other structures capable of supporting carrier's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site.

12. A Determination of No Hazard to Air Navigation issued by the Federal Aviation Administration ("FAA") for the proposed tower is attached as **Exhibit E**.

13. Documentation confirming that the Kentucky Airport Zoning Commission ("KAZC") has reviewed and approved the proposed construction is attached as **Exhibit F**.

14. A geotechnical engineering firm has performed soil boring(s) and subsequent geotechnical engineering studies at the WCF site. A copy of the geotechnical engineering report, signed and sealed by a professional engineer registered in the Commonwealth of Kentucky, is attached as **Exhibit G**. The name and address of the geotechnical engineering firm and the professional engineer registered in the Commonwealth of Kentucky who supervised the examination of this WCF site are included as part of this exhibit.

15. Clear directions to the proposed WCF site from the County seat are attached as **Exhibit H**. The name and telephone number of the preparer of **Exhibit H** are included as part of this exhibit.

16. APC Towers IV, LLC, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement or an abbreviated agreement recorded with the County Clerk is attached as **Exhibit I**.

17. Personnel directly responsible for the design and construction of the proposed WCF are well qualified and experienced. The tower and foundation drawings for the proposed tower submitted as part of **Exhibit C** bear the signature and stamp of a professional engineer registered in the Commonwealth of Kentucky. All tower designs meet or exceed the minimum requirements of applicable laws and regulations.

18. The construction manager for the proposed facility is Matt Bates and the identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibits B & C**.

19. As noted on the Survey attached as part of **Exhibit B**, the surveyor has determined that the site is not within any flood hazard area.

20. **Exhibit B** includes a map drawn to an appropriate scale that shows the location of the proposed tower and identifies every owner of real estate within 500 feet of the proposed tower (according to the records maintained by the County Property Valuation Administrator). Every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system is illustrated in **Exhibit B**.

21. Applicants have sent notice to every person who, according to the records of the County Property Valuation Administrator ("PVA"), owns property which is within 500 feet of the proposed tower or contiguous to the site property, by certified mail, return receipt requested, of the proposed construction. Each notified property owner has been provided with a map of the location of the proposed construction, the PSC docket number for this application, the address of the PSC, and has been informed of his or her right to request intervention. A list of the notified property owners and a copy of the form of the notice sent by certified mail to each landowner are attached as **Exhibit J** and **Exhibit K**, respectively.

22. Copies of the Rockcastle County PVA records obtained on June 17, 2026 (and re-verified on July 9, 2026) and used to generate the notice list are attached as part of **Exhibit J**.

23. Twelve notice letters were sent to the landowners on the notice list at the mailing addresses shown on the PVA records. Copies of the “Certified Mail Receipts” confirming the dates on which the letters were sent are attached as part of **Exhibit J**.

24. To date, eleven signed United States Postal Service Form 3811 “green cards” have been returned. Copies of the returned “green cards” are attached as a part of **Exhibit J**. According to United States Postal Service (“USPS”) tracking data, one letter has a status of “Unclaimed / Being Returned to Sender”. A copy of the USPS tracking data for this notice is attached as part of **Exhibit J**. There are no unaccountable notices.

25. Applicants have notified the applicable County Judge/Executive by certified mail, return receipt requested, of the proposed construction. This notice included the PSC docket number under which the application will be processed and informed the County Judge/Executive of his/her right to request intervention. A copy of this notice is attached as **Exhibit L**. A copy of the “Certified Mail Receipt” and a copy of the USPS Form 3811 “green card” for this mailing are also attached as a part of **Exhibit L**.

26. Notice signs meeting the requirements prescribed by 807 KAR 5:063, Section 1(2) that measure at least 2 feet in height and 4 feet in width and that contain all required language in letters of required height, have been posted, one in a visible location on the proposed site and one on the nearest public road. Such signs shall remain posted for at least two weeks after filing of the Application, and a copy of the posted text is attached as **Exhibit M**. A legal notice advertisement regarding the location of the proposed facility has been published in a newspaper of general circulation in the county in which the WCF is proposed to be located. A tear sheet from the newspaper that includes the notice

advertisement and an affidavit verifying that the advertisement has been published is attached as part of **Exhibit M**.

27. The general area where the proposed facility will be located is predominantly rural in character with sparse residential uses. The tower is set back from the public roadway and is well screened from nearby parcels and uses. The site parcel itself is rural with a residence on the far southern corner of the parcel.

28. The process that was used by Verizon Wireless' radio frequency engineers in selecting the site for the proposed WCF was consistent with the general process used for selecting all other existing and proposed WCF facilities within the proposed network design area. Verizon Wireless' radio frequency engineers have conducted studies and tests in order to develop a highly efficient network that is designed to handle voice and data traffic in the service area. The engineers determined an optimum area for the placement of the proposed facility in terms of elevation and location to provide the best quality service to customers in the service area. A radio frequency design search area prepared in reference to these radio frequency studies was considered by the Applicants when searching for sites for its antennas that would provide the coverage deemed necessary by Verizon Wireless' Radio Frequency Engineers. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site should be located pursuant to radio frequency requirements is attached as **Exhibit N**.

29. The tower must be located at the proposed location and proposed height to provide necessary service to wireless communications users in the subject area.

30. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

31. All responses and requests associated with this Application may be directed to:

David A. Pike and
F. Keith Brown
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
kbrown@pikelegal.com

WHEREFORE, Applicants respectfully request that the PSC accept the foregoing Application for filing, and having met the requirements of KRS §§ 278.020(1), 278.650, and 278.665 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein.

Respectfully submitted,



David A. Pike
And



F. Keith Brown

Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
Email: kbrown@pikelegal.com
Attorneys for Applicants

LIST OF EXHIBITS

- A - Business Documentation & FCC Documentation
- B - Site Development Plan:
 - 500' Vicinity Map
 - Legal Descriptions
 - Flood Plain Certification
 - Site Plan
 - Vertical Tower Profile
- C - Tower and Foundation Design
 - Construction Manager Letter
 - List of Qualified Professionals
 - Tower and Foundation Drawings
- D - Competing Utilities, Corporations, or Persons List
- E - Federal Aviation Administration Documentation
- F - Kentucky Airport Zoning Commission Documentation
- G - Geotechnical Report
- H - Directions to WCF Site
- I - Copy of Real Estate Agreement
- J - Notification Listing, PVA Records & Proof of Notice
- K - Copy of Property Owner Notification
- L - Copy of County Judge/Executive Notice & Proof of Notice
- M - Copy of Posted Notices, Newspaper Notice Advertisement Tear Sheet & Affidavit
- N - Copy of Radio Frequency Design Search Area

EXHIBIT A

**BUSINESS DOCUMENTATION & FCC LICENSE
DOCUMENTATION**

Delaware

The First State

Page 1

*I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT
COPY OF THE CERTIFICATE OF FORMATION OF "APC TOWERS IV, LLC",
FILED IN THIS OFFICE ON THE THIRD DAY OF MARCH, A.D. 2022, AT
10:15 O`CLOCK A.M.*




Jeffrey W. Bullock, Secretary of State

6650861 8100
SR# 20240209212

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 202646764
Date: 01-23-24

CERTIFICATE OF FORMATION

OF

APC TOWERS IV, LLC

This Certificate of Formation of APC Towers IV, LLC has been duly executed and is being filed by the undersigned authorized person for the purpose of forming a limited liability company pursuant to the Delaware Limited Liability Company Act, (6 Del. C. §§18-101, et seq.)

1. Name. The name of the limited liability company formed hereby (the "Company") is APC Towers IV, LLC.

2. Registered Office. The address of the registered office of the Company in the State of Delaware is: Corporation Trust Center, 1209 Orange Street, New Castle County, Wilmington, Delaware 19801.

3. Registered Agent. The name and address of the registered agent for service of process on the Company in the State of Delaware is The Corporation Trust Company, 1209 Orange Street, New Castle County, Wilmington, Delaware 19801.

4. Bankruptcy of a Member. For a period of sixty (60) days following the date on which the Company becomes aware that a bankruptcy petition has been filed by or against any member of the Company, the Company shall have the option to purchase all of such member's interests in the Company, exercisable by delivering written notice of its exercise of such option to such member and, if applicable, to the bankruptcy trustee and, provided that within sixty (60) days after its exercise of such option the Company pays to such member or trustee, as applicable, an amount equal to the capital account balance attributable to such member's interests in the Company (calculated pursuant to the Limited Liability Company Agreement of the Company), such member's interests in the Company automatically shall transfer to and vest in the Company without any further action by the Company and without any action by such member or trustee.

IN WITNESS WHEREOF, the undersigned authorized person has caused this Certificate of Formation to be duly executed as of the 3rd day of March, 2022.

/S/ GARRETT D. EVERS

Garrett D. Evers
Authorized Person

Delaware

The First State

Page 1

I, CHARUNI PATIBANDA-SANCHEZ, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "APC TOWERS IV, LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE FIFTH DAY OF MAY, A.D. 2025.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "APC TOWERS IV, LLC" WAS FORMED ON THE THIRD DAY OF MARCH, A.D. 2022.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN PAID TO DATE.



6650861 8300

SR# 20251979186

You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, reading "C. P. Sanchez", is written over a horizontal line.

Charuni Patibanda-Sanchez, Secretary of State

Authentication: 203603171

Date: 05-05-25

Commonwealth of Kentucky
Michael G. Adams, Secretary of State

Michael G. Adams
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Authentication number: 309767

Visit <https://web.sos.ky.gov/fts/certvalidate.aspx> to authenticate this certificate.

I, Michael G. Adams, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

APC TOWERS IV, LLC

, a limited liability company authorized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on February 22, 2023.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 22nd day of April, 2024, in the 232nd year of the Commonwealth.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
309767/1262373

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "CELLCO PARTNERSHIP" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-SEVENTH DAY OF APRIL, A.D. 2023.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN PAID TO DATE.



A handwritten signature of Jeffrey W. Bullock in black ink, written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

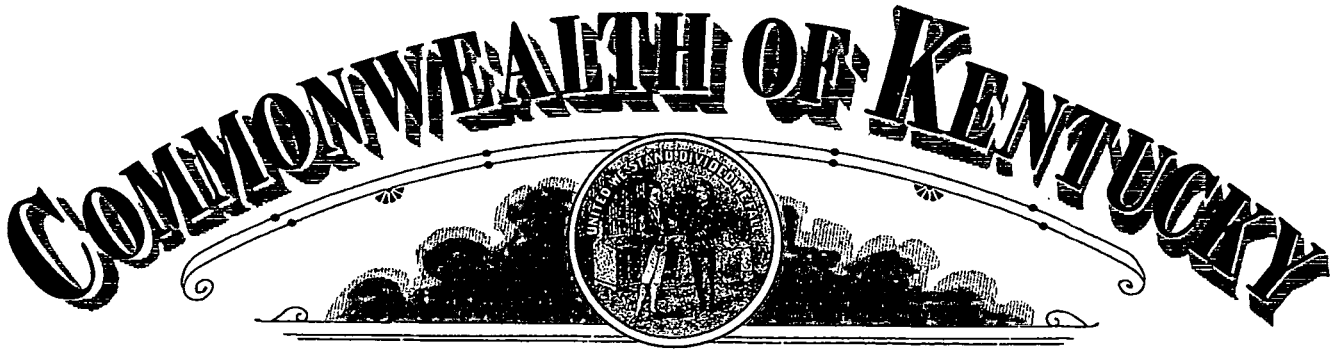
3341134 8300

SR# 20231665976

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 203227418

Date: 04-27-23



Michael G. Adams
Secretary of State

Certificate

I, Michael G. Adams, Secretary of State for the Commonwealth of Kentucky, do hereby certify that the foregoing writing has been carefully compared by me with the original thereof, now in my official custody as Secretary of State and remaining on file in my office, and found to be a true and correct copy of

CERTIFICATE OF ASSUMED NAME OF VERIZON WIRELESS ADOPTED BY
GENERAL PARTNERS OF CELLCO PARTNERSHIP FILED JUNE 21, 2006.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my
Official Seal at Frankfort, Kentucky, this 10th day of May, 2023.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
kdcoleman/0641227 - Certificate ID: 290787

COMMONWEALTH OF KENTUCKY
TREY GRAYSON
SECRETARY OF STATE



0641227.07

Dcornish
C226

Trey Grayson
Secretary of State
Received and Filed

06/21/2006 12:06:09 PM
Fee Receipt: \$20.00

CERTIFICATE OF ASSUMED NAME

This certifies that the assumed name of
Verizon Wireless

(Name under which the business will be conducted)

has been adopted by See Addendum

(Real name - KRS 365.015(1))

which is the "real name" of (YOU MUST CHECK ONE)

- | | |
|--|---|
| ☐ a Domestic General Partnership | ☒ a Foreign General Partnership |
| ☐ a Domestic Registered Limited Liability Partnership | ☐ a Foreign Registered Limited Liability Partnership |
| ☐ a Domestic Limited Partnership | ☐ a Foreign Limited Partnership |
| ☐ a Domestic Business Trust | ☐ a Foreign Business Trust |
| ☐ a Domestic Corporation | ☐ a Foreign Corporation |
| ☐ a Domestic Limited Liability Company | ☐ a Foreign Limited Liability Company |
| ☐ a Joint Venture | |

organized and existing in the state or country of Delaware, and whose address is

One Verizon Way Basking Ridge NJ 07920

Street address, if any

City

State

Zip Code

The certificate of assumed name is executed by

NYNEX PCS Inc.

Jane A. Schapker-Assistant Secretary

Print or type name and title

June 15, 2006

Date

Signature

Print or type name and title

Date

Addendum

The full name of the Partnership is Cellco Partnership; a Delaware general partnership with its headquarters located One Verizon Way, Basking Ridge NJ 07920-1097.

General Partners of Cellco Partnership	Address
Bell Atlantic Cellular Holdings, L.P.	One Verizon Way Basking Ridge, NJ 07920
NYNEX PCS Inc.	One Verizon Way Basking Ridge, NJ 07920
PCSCO Partnership	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless Incorporated	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless of Ohio Incorporated	One Verizon Way Basking Ridge, NJ 07920
PCS Nucleus, L.P.	2999 Oak Road, 7 th Floor Walnut Creek, CA 94597
JV PartnerCo, LLC	2999 Oak Road, 7 th Floor Walnut Creek, CA 94597

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WPOK618	File Number 0009262040
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 09-06-2019	Effective Date 01-13-2021	Expiration Date 09-29-2029	Print Date 03-10-2021
Market Number BTA098	Channel Block C	Sub-Market Designator 3	
Market Name Corbin, KY			
1st Build-out Date 09-29-2004	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

This license is conditioned upon compliance with the provisions of Applications of AT&T Wireless Services, Inc. and Cingular Wireless Corporation For Consent to Transfer Control of Licenses and Authorizations, Memorandum Opinion and Order, FCC 04-255 (rel. Oct. 26, 2004).

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WPOK618

File Number: 0009262040

Print Date: 03-10-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Qualifications, Ownership

Radio Service Mobile
Type

Regulatory Common Carrier Interconnected Yes
Status

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Demographics

Race

Ethnicity

Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WPOK659	File Number 0010160394
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 09-12-2019	Effective Date 09-23-2022	Expiration Date 09-29-2029	Print Date 02-10-2023
Market Number BTA423	Channel Block C	Sub-Market Designator 1	
Market Name Somerset, KY			
1st Build-out Date 09-29-2004	2nd Build-out Date 09-29-2009	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WPOK659

File Number: 0010160394

Print Date: 02-10-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

PCS Broadband - 0010371950 - NEW CINGULAR WIRELESS PCS, LLC

File Number 0010371950

Call Sign WPOK659

Radio Service CW - PCS Broadband

Application Status G - Granted

General Information

Application Purpose AU - Administrative Update

Existing Radio Service

Authorization Type Regular

Emergency STA

Receipt Date 01/13/2023

Action Date 01/14/2023

Entered Date 01/13/2023

Requested Expiration Date

Waiver No

Number of Rules

Attachments

Grandfathered Privileges

Application Fee Exempt No

Regulatory Fee Exempt No

Major Request

Market Data

Market BTA423 - Somerset, KY

Channel Block C

Submarket Designator 1

Associated Frequencies (MHz) 001895.00000000-001910.00000000
001975.00000000-001990.00000000**Applicant Information**

FRN 0003291192

Type Limited Liability Company

Name NEW CINGULAR WIRELESS PCS, LLC
208 S. Akard St. 20F
Dallas, TX 75202
ATTN FCC GroupP:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Real Party in Interest

FRN of Real Party in Interest

Contact InformationName AT&T Services, Inc.
Cecil J Mathew
208 S. Akard St. 20F
Dallas, TX 75202
ATTN FCC GroupP:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WPYL924	File Number 0009262040
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 09-06-2019	Effective Date 01-13-2021	Expiration Date 09-29-2029	Print Date 03-10-2021
Market Number BTA098	Channel Block C	Sub-Market Designator 4	
Market Name Corbin, KY			
1st Build-out Date 09-29-2004	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WPYL924

File Number: 0009262040

Print Date: 03-10-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Qualifications, Ownership

Radio Service Mobile
Type

Regulatory Common Carrier Interconnected Yes
Status

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Demographics

Race

Ethnicity

Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

REFERENCE COPY

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**Federal Communications Commission
Wireless Telecommunications Bureau****RADIO STATION AUTHORIZATION****LICENSEE: CELLCO PARTNERSHIP**

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WPZX945	File Number 0009262040
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 09-06-2019	Effective Date 01-13-2021	Expiration Date 09-29-2029	Print Date 03-10-2021
Market Number BTA423	Channel Block C	Sub-Market Designator 2	
Market Name Somerset, KY			
1st Build-out Date 09-29-2004	2nd Build-out Date 09-29-2009	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WPZX945

File Number: 0009262040

Print Date: 03-10-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Qualifications, Ownership

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Demographics

Race	
Ethnicity	Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

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**Federal Communications Commission
Wireless Telecommunications Bureau****RADIO STATION AUTHORIZATION**

LICENSEE: CELLCO PARTNERSHIP

ATTN: LICENSING MANAGER
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQCS428	File Number 0011447062
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 06-16-2025	Effective Date 06-16-2025	Expiration Date 05-13-2035	Print Date 06-17-2025
Market Number BTA252	Channel Block C	Sub-Market Designator 1	
Market Name Lexington, KY			
1st Build-out Date 05-13-2010	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQCS428

File Number: 0011447062

Print Date: 06-17-2025

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

PCS Broadband - 0011447062 - Cellco Partnership

File Number	0011447062	Radio Service	CW - PCS Broadband
Call Sign	WQCS428	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	02/12/2025	Action Date	06/16/2025
Entered Date	02/12/2025	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments	Yes	Grandfathered Privileges	No
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			
Use Question	Commercial		

Market Data

Market	BTA252 - Lexington, KY	Channel Block	C
Submarket Designator	1	Associated Frequencies (MHz)	001895.00000000-001910.00000000 001975.00000000-001990.00000000

Applicant Information

FRN	0003290673	Type	Partnership
Name	Cellco Partnership 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Licensing Manager		P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
Real Party in Interest		FRN of Real Party in Interest	

Contact Information

Name	Verizon Wireless Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
------	---	---

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant’s private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term. Yes

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended. Yes

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**Federal Communications Commission
Wireless Telecommunications Bureau****RADIO STATION AUTHORIZATION****LICENSEE:** CELLCO PARTNERSHIP

ATTN: LICENSING MANAGER
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQDI527	File Number 0011603236
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 09-09-2025	Effective Date 09-09-2025	Expiration Date 09-06-2035	Print Date 09-10-2025
Market Number BTA252	Channel Block C	Sub-Market Designator 7	
Market Name Lexington, KY			
1st Build-out Date 09-06-2010	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQDI527

File Number: 0011603236

Print Date: 09-10-2025

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

PCS Broadband - 0011603236 - Cellco Partnership

File Number	0011603236	Radio Service	CW - PCS Broadband
Call Sign	WQDI527	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	06/10/2025	Action Date	09/09/2025
Entered Date	06/10/2025	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments	Yes	Grandfathered Privileges	No
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			
Use Question	Commercial		

Market Data

Market	BTA252 - Lexington, KY	Channel Block	C
Submarket Designator	7	Associated Frequencies (MHz)	001895.00000000-001910.00000000 001975.00000000-001990.00000000

Applicant Information

FRN	0003290673	Type	General Partnership
Name	Cellco Partnership 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Licensing Manager		P:(770)797-1070 F:(770)797-1036 E:licensingcompliance@verizonwireless.com
Real Party in Interest		FRN of Real Party in Interest	

Contact Information

Name	Cellco Partnership Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
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For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant’s private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term. Yes

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended. Yes

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: LICENSING MANAGER
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQEM937	File Number 0011856902
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 03-03-2026	Effective Date 03-03-2026	Expiration Date 03-08-2036	Print Date 03-04-2026
Market Number BTA098	Channel Block C	Sub-Market Designator 2	
Market Name Corbin, KY			
1st Build-out Date 03-08-2011	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQEM937

File Number: 0011856902

Print Date: 03-04-2026

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

PCS Broadband - 0011856902 - Cellco Partnership

File Number	0011856902	Radio Service	CW - PCS Broadband
Call Sign	WQEM937	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	01/07/2026	Action Date	03/03/2026
Entered Date	01/07/2026	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments	Yes	Grandfathered Privileges	No
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			
Use Question	Commercial		

Market Data

Market	BTA098 - Corbin, KY	Channel Block	C
Submarket Designator	2	Associated Frequencies (MHz)	001895.00000000-001910.00000000 001975.00000000-001990.00000000

Applicant Information

FRN	0003290673	Type	General Partnership
Name	Cellco Partnership 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Licensing Manager		P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
Real Party in Interest		FRN of Real Party in Interest	

Contact Information

Name	Cellco Partnership Licensing - Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
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For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant’s private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term. Yes

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended. Yes

REFERENCE COPY

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQGA718	File Number 0009793647
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 02-22-2022	Effective Date 02-22-2022	Expiration Date 11-29-2036	Print Date 02-23-2022
Market Number REA004	Channel Block F		Sub-Market Designator 15
Market Name Mississippi Valley			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA718

File Number: 0009793647

Print Date: 02-23-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0012041777 - SDF, Inc.

File Number	0012041777	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	De Facto Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	05/20/2026		
Entered Date	05/20/2026	Action Date	05/29/2026
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022		P:(770)797-1070 E:licensingcompliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah E Trosch 1300 I St NW - Suite 500 East, Verizon Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
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Lessee Information

FRN	0035296011	Type	Corporation
Name	SDF, Inc. ATTN Oren Pelleg 8609 Westwood Center Drive, Suite 110 Tysons, VA 22182		P:(571)250-7076 E:oren@sdf-tech.com
Real Party In Interest	SDF, Inc.	FRN of Real Party in Interest	0035296011
Race		Gender	

Ethnicity

Lessee Contact Information

Name	Lukas, LaFuria, Lantor & Sachs, LLP ATTN Todd Slamowitz 8350 Broad Street, Suite 1450 Tysons, VA 22102	P:(703)584-8673 E:tslamowitz@fcclaw.com
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Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status Interconnected

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQGA940	File Number 0009774996
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 12-21-2021	Effective Date 12-21-2021	Expiration Date 11-29-2036	Print Date 12-21-2021
Market Number BEA047	Channel Block B	Sub-Market Designator 11	
Market Name Lexington, KY-TN-VA-WV			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA940

File Number: 0009774996

Print Date: 12-21-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0010761275 - Trace-Tek

File Number 0010761275
Application Purpose AM - Amendment

Application Status G - Granted
Classification of Lease *De Facto* Transfer

General Information

Application Purpose AM - Amendment

Original Application Purpose LN - New Lease

Receipt Date 04/09/2024

Entered Date 04/09/2024

Action Date 04/11/2024

Waiver No

Number of Rules

Attachments Yes

Application Fee Exempt No

Waiver/Deferral Fee No

Licensee Information

FRN 0003290673
Name Cellco Partnership
ATTN Regulatory
5055 North Point Pkwy, NP2NE
Engineering
Alpharetta, GA 30022

Type General Partnership
P:(770)797-1070
E:Licensing.Compliance@verizonwireless.com

Race
Ethnicity

Sex

Licensee Contact Information

Name Verizon
Sarah Trosch
1300 I St, NW- Suite 500 East
Washington, DC 20005

P:(202)515-2453
E:sarah.trosch@verizon.com

Lessee Information

FRN 0030856223
Name Trace-Tek
ATTN licenses@trace-tek.com
2625 Commons Boulevard
Beavercreek, OH 45341

Type Limited Liability Company
P:(972)672-0477
E:licenses@trace-tek.com

Real Party In Interest Trace-Tek

FRN of Real Party in Interest 0030856223

Race
Ethnicity

Gender

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
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Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status Interconnected

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

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**Federal Communications Commission
Wireless Telecommunications Bureau****RADIO STATION AUTHORIZATION**

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQJQ692	File Number 0008587218
Radio Service WU - 700 MHz Upper Band (Block C)	

FCC Registration Number (FRN): 0003290673

Grant Date 01-10-2020	Effective Date 06-25-2025	Expiration Date 06-13-2029	Print Date 01-14-2020
Market Number REA004	Channel Block C	Sub-Market Designator 0	
Market Name Mississippi Valley			
1st Build-out Date 06-13-2013	2nd Build-out Date 06-13-2019	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

If the facilities authorized herein are used to provide broadcast operations, whether exclusively or in combination with other services, the licensee must seek renewal of the license either within eight years from the commencement of the broadcast service or within the term of the license had the broadcast service not been provided, whichever period is shorter in length. See 47 CFR §27.13(b).

This authorization is conditioned upon compliance with section 27.16 of the Commission's rules

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQJQ692

File Number: 0008587218

Print Date: 01-14-2020

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0012051020 - SDF, Inc.

File Number	0012051020	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	<i>De Facto</i> Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	05/28/2026		
Entered Date	05/28/2026	Action Date	06/10/2026
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022		P:(770)797-1070 E:licensingcompliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah E Trosch 1300 I St NW - Suite 500 East, Verizon Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
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Lessee Information

FRN	0035296011	Type	Corporation
Name	SDF, Inc. ATTN Oren Pelleg 8609 Westwood Center Drive, Suite 110 Tysons, VA 22182		P:(571)250-7076 E:oren@sdf-tech.com
Real Party In Interest	SDF, Inc.	FRN of Real Party in Interest	0035296011
Race		Gender	

Ethnicity

Lessee Contact Information

Name	Lukas, LaFuria, Lantor & Sachs, LLP ATTN Todd Slamowitz 8350 Broad Street, Suite 1450 Tysons, VA 22102	P:(703)584-8673 E:tslamowitz@fcclaw.com
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Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status Interconnected

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

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**Federal Communications Commission
Wireless Telecommunications Bureau****RADIO STATION AUTHORIZATION****LICENSEE:** CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign	File Number
WRWF637	0010170298
Radio Service	
AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 09-23-2022	Effective Date 09-23-2022	Expiration Date 12-18-2036	Print Date 02-16-2023
Market Number BEA047	Channel Block C		Sub-Market Designator 16
Market Name Lexington, KY-TN-VA-WV			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRWF637

File Number: 0010170298

Print Date: 02-16-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0010761275 - Trace-Tek

File Number 0010761275
Application Purpose AM - Amendment

Application Status G - Granted
Classification of Lease *De Facto* Transfer

General Information

Application Purpose AM - Amendment

Original Application Purpose LN - New Lease

Receipt Date 04/09/2024

Entered Date 04/09/2024

Action Date 04/11/2024

Waiver No

Number of Rules

Attachments Yes

Application Fee Exempt No

Waiver/Deferral Fee No

Licensee Information

FRN 0003290673
Name Cellco Partnership
ATTN Regulatory
5055 North Point Pkwy, NP2NE
Engineering
Alpharetta, GA 30022

Type General Partnership
P:(770)797-1070
E:Licensing.Compliance@verizonwireless.com

Race
Ethnicity

Sex

Licensee Contact Information

Name Verizon
Sarah Trosch
1300 I St, NW- Suite 500 East
Washington, DC 20005

P:(202)515-2453
E:sarah.trosch@verizon.com

Lessee Information

FRN 0030856223
Name Trace-Tek
ATTN licenses@trace-tek.com
2625 Commons Boulevard
Beavercreek, OH 45341

Type Limited Liability Company
P:(972)672-0477
E:licenses@trace-tek.com

Real Party In Interest Trace-Tek

FRN of Real Party in Interest 0030856223

Race
Ethnicity

Gender

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
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Lessee Qualifications and Ownership Information

Radio Service Type	
Regulatory Status	Interconnected

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

EXHIBIT B

**SITE DEVELOPMENT PLAN:
500' VICINITY MAP
LEGAL DESCRIPTIONS
FLOOD PLAIN CERTIFICATION
SITE PLAN
VERTICAL TOWER PROFILE**



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

NEW 245'-0" GUYED TOWER
w/5'-0" LIGHTNING ROD
TOTAL TOWER HEIGHT 250'-0"

TOWER OWNER SITE

LV TURKEYTOWN
SITE #: KY-4170

VERIZON WIRELESS SITE

LV TURKEYTOWN
PROJECT#: 17564561
MARKET ID: LOUISVILLE
MDG#: 5000987611

SITE ADDRESS

9311 DYSART WAY
CRAB ORCHARD, KY 40419
ROCKCASTLE COUNTY

TOWER OWNER

APC TOWERS IV, LLC
8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
CONTACT: JONATHAN GREENE
PHONE: 919-948-4788
E-MAIL: jgreene@apctowers.com

PROPERTY OWNER

PAUL AND NIETA BARRETT
1386 FT HARROD WAY
CRAB ORCHARD, KY 40419
CONTACT: PAUL BARRETT
PHONE: 606-510-3017
E-MAIL: pgbpchs66bp@windstream.net

ALL CONSTRUCTION ITEMS ARE TO BE COMPLETED BY THE TOWER OWNER GENERAL CONTRACTOR UNLESS NOTED AS (VZW GC) WHICH SHALL BE COMPLETED BY THE VERIZON WIRELESS GENERAL CONTRACTOR

POLICE

LINCOLN CO SHERIFF
104 N 2ND ST
STANFORD, KY 40484
PHONE: 606-365-2696

FIRE

CRAB ORCHARD VFD
604 ELM ST
CRAB ORCHARD, KY 40419
PHONE: 606-355-2211

GENERAL INFORMATION

LATITUDE - 37° 25' 50.03" N
LONGITUDE - 84° 27' 34.83" W
1983 (NAD83)
ELEVATION - 923.1' AMSL
1988 (NAVD88)

TOWER OWNER LEASE AREA

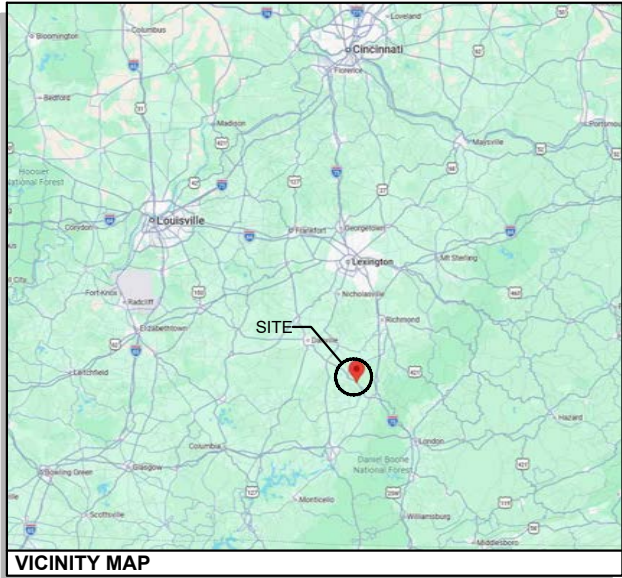
100'-0"x100'-0"
(10000 SF)

VERIZON WIRELESS LEASE AREA

12'-0"x25'-0"
(300 SF)

PROJECT TOTAL DISTURBED AREA

COMPOUND: (5625 SF) = (0.129 ACRE)
ACCESS DRIVE: (4108 SF) = (0.094 ACRE)
GROSS AREA: (9733 SF) = (0.223 ACRE)



PROJECT DESCRIPTION:		
• ALL WORK ITEMS WITHIN THESE CONSTRUCTION DOCUMENTS ARE BY THE TOWER OWNER'S GENERAL CONTRACTOR AND THEIR SUB-CONTRACTOR(S) UNLESS NOTED AS (VZW GC) WHICH SHALL BE PERFORMED BY THE VERIZON WIRELESS GENERAL CONTRACTOR AND THEIR SUB-CONTRACTOR(S), AND IS GENERALLY DESCRIBED BELOW. • PERMANENT ELECTRIC POWER MUST BE AVAILABLE FOR VERIZON WIRELESS AT THE METER BASE PRIOR TO THE SITE BEING RELEASED AS TENANT READY.		
RESPONSIBLE PARTY		ITEM OF WORK
TOWER OWNER	VERIZON	
X		INSTALL THE TOWER
X		INSTALL THE FENCED GRAVEL COMPOUND AND ALL GENERAL SITE CONSTRUCTION ITEMS
X		INSTALL A GRAVEL ACCESS DRIVE
X		INSTALL TOWER AND SITE GROUNDING
X		INSTALL VERIZON GROUNDING (IN VERIZON LEASE SPACE)
X		INSTALL NEW ELECTRICAL SERVICE TO THE NEW UTILITY H-FRAME
X		OBTAIN VERIZON METER WITH THE NEW ELECTRICAL SERVICE REQUEST
X		INSTALL CONCRETE FOUNDATIONS FOR VERIZON EQUIPMENT AND GENERATOR
X		INSTALL VERIZON PROPANE TANK CONCRETE FOUNDATION AND BELOW GRADE FUEL LINE CONDUIT (ONLY FOR SITES WITH PROPANE GENERATOR AND TANK)
X		INSTALL VERIZON ICE BRIDGE AND FOUNDATIONS
X		INSTALL VERIZON EQUIPMENT H-FRAME w/ FOUNDATION, AND ICE PROTECTION
X		INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPE FROM UTILITY H-FRAME TO VERIZON ILC STUB UP LOCATION
X		INSTALL CONDUIT(S) WITH PULL TAPE FROM VERIZON ILC STUB UP LOCATION TO GENERATOR STUB UP LOCATION
X		INSTALL TELCO CONDUIT(S) W/ TRACER WIRE FROM HANDHOLE(S) AT PUBLIC R.O.W. TO THE UTILITY H-FRAME OR HANDHOLE(S) AT COMPOUND - VERIZON HANDHOLE(S) TO BE LABELLED AS "VERIZON WIRELESS ONLY"
X		INSTALL VERIZON ONLY TELCO CONDUIT W/ TRACER WIRE FROM UTILITY H-FRAME/COMPOUND HANDHOLE TO VERIZON EQUIPMENT H-FRAME
	X	INSTALL VERIZON EQUIPMENT CABINET(S), GENERATOR AND PREFABRICATED CANOPY AND SUPPORTS
	X	INSTALL VERIZON PROPANE TANK AND FUEL LINE TO GENERATOR (ONLY FOR SITES WITH PROPANE GENERATOR AND TANK)
	X	CONNECT SUBSURFACE GROUND LEADS (INSTALLED BY TOWER OWNER) TO VERIZON EQUIPMENT AND FACILITIES
	X	FURNISH AND INSTALL VERIZON ANTENNA MOUNT ASSEMBLY ON TOWER
	X	INSTALL VERIZON ANTENNAS, LINES, RADIO EQUIPMENT, AND GPS ANTENNA
	X	INSTALL GROUND OVP AND CABLING ON VERIZON EQUIPMENT H-FRAME
	X	INSTALL ILC ENCLOSURE, POWER AND FIBER JUNCTION BOXES AND ASSOCIATED CONDUITS WITH PULL TAPES ON VERIZON EQUIPMENT H-FRAME
	X	INSTALL VERIZON ELECTRIC SERVICE CONDUCTORS FROM UTILITY H-FRAME TO ILC ENCLOSURE ON VERIZON EQUIPMENT H-FRAME
	X	INSTALL CIRCUITS FROM ILC ENCLOSURE TO VERIZON EQUIPMENT CABINET(S) AND GENERATOR.



LV TURKEYTOWN
KY-4170
9311 DYSART WAY
CRAB ORCHARD, KY 40419
ROCKCASTLE COUNTY
TENANT: CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS
"LV TURKEYTOWN"
MDG #: 5000987611

FROM LOUISVILLE MTSO: 2441 HOLLOWAY ROAD LOUISVILLE, KY 40299: HEAD TOWARD PLANTSIDE DR. TURN LEFT AT THE 1ST CROSS STREET ONTO PLANTSIDE DR. USE THE LEFT 2 LANES TO TURN LEFT ONTO BLANKENBAKER PKWY. USE THE RIGHT LANE TO TAKE THE RAMP ONTO I-64 E. MERGE ONTO I-64 E. TAKE EXIT 48 TOWARD LAWRENCEBURG. MERGE ONTO KY-151 S. TURN RIGHT ONTO US-127 S. USE THE LEFT 2 LANES TO TURN LEFT ONTO US-127/ US-127 BYP S. USE ANY LANE TO TURN LEFT ONTO US-127 S. CONTINUE ONTO US-127 BYP S. CONTINUE ONTO US-150 BYP S/ S DANVILLE BYPASS. CONTINUE ONTO US-150 E. THE DESTINATION WILL BE ON THE RIGHT.
FROM ROCKCASTLE COUNTY CLERK: HEAD TOWARD S WILDERNESS RD. TURN RIGHT ONTO S WILDERNESS RD. CONTINUE ONTO US-150 W/ CRAB ORCHARD RD. THE DESTINATION WILL BE ON THE LEFT.

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

BUILDING CODE2018 KENTUCKY BUILDING CODE (IBC 2015)

STRUCTURAL CODETIA/EIA-222 - REVISION H

MECHANICAL CODE2015 INTERNATIONAL MECHANICAL CODE (IMC 2015)

PLUMBING CODEKENTUCKY STATE PLUMBING CODE (815 KAR CHAP. 20)

ELECTRICAL CODE2017 NATIIONAL ELECTRICAL CODE (NEC) - NFPA 70

FIRE/LIFE SAFETY CODE2015 INTERNATIONAL FIRE CODE (2015 IFC)

ENERGY CODE2012 INTERNATIONAL ENERGY CODE (COMMERCIAL)

GAS CODE2012 NATIONAL FUEL GAS CODE (NFPA 54)

ACCESSIBILITY REQUIREMENTS:

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2015 IBC BUILDING CODE.

APPLICABLE CODES

SURVEYOR

THE LAND CONSULTANTS, LLC
2820 15TH AVE SW
HUNTSVILLE, AL 35805
PHONE: 423-304-6722

ARCHITECTURAL

TELECAD WIRELESS
1961 NORTHPOINT BLVD, STE 130
HIXSON, TN 37343
CONTACT: MATT BATES
PHONE: 423-843-9500
EMAIL: matt.bates@telecadeng.com

ELECTRICAL

KU
ADDRESS: 1 QUALITY ST
LEXINGTON, KY 40507
CONTACT: TBD
PHONE: 1-800-981-0600
EMAIL: TBD

ELECTRICAL UTILITY COORDINATION IS NOT FINALIZED. DO NOT PROCEED WITH CONSTRUCTION.

CONSULTANT TEAM

SHEET NUMBER	DESCRIPTION
T-1	TITLE SHEET SURVEY PLAN
Z-1	OVERALL SITE PLAN w/AERIAL OVERLAY
Z-2	OVERALL SITE PLAN w/TOWER DISTANCE TO PROPERTY LINES
Z-3	GRADING AND E&S CONTROL PLAN
Z-4	DIMENSIONED SITE PLAN
Z-5	TOWER ELEVATION
Z-6	SITE DETAILS
Z-7	FENCE DETAILS AND NOTES
Z-8	TOWER OWNER SIGNAGE

PREPARED FOR:

APC Towers

8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

PREPARED BY:

TeleCAD Wireless

1961 NORTHPOINT BLVD, SUITE 130
HIXSON, TN 37343
PH: 423-843-9500
FAX: 423-843-9509

DRAWING NOTICE:

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT IS STRICTLY PROHIBITED.

DRAWN BY:

JAE

CHECKED BY:

DS

REVISIONS

NO.	DATE	BY	DESCRIPTION
3	06/08/26	DMB	ZONING ISSUE
2	06/02/26	DMB	ZONING ISSUE
1	05/13/26	WAM	ZONING ISSUE
0	04/09/26	JAE	ZONING ISSUE
C	03/12/26	JAE	PRELIMINARY REVIEW
B	02/26/26	WAM	PRELIMINARY REVIEW
A	02/17/26	JAE	PRELIMINARY REVIEW

ENGINEER'S STAMP:

STATE OF KENTUCKY

STEPHEN E. HUNT

#25003

LICENSED PROFESSIONAL ENGINEER

NOT VALID WITHOUT P.E. STAMP & SIGNATURE

SITE NAME:

LV TURKEYTOWN

ADDRESS:

9311 DYSART WAY
CRAB ORCHARD, KY 40419

COUNTY:

ROCKCASTLE

LATITUDE:

37° 25' 50.03" N

LONGITUDE:

84° 27' 34.83" W

SITE NUMBER:

KY-4170

SHEET TITLE:

TITLE SHEET

DRAWING NO.

T-1

REVISION:

3

GENERAL NOTES:

1. This Survey is prepared exclusively to show site conditions and/or for use in support of instruments related to Leases and Easements as may be shown hereon. Any property boundary information shown hereon is a composite of information gathered from current or previous Surveys, Plat & Deed Description and/or Assessor's Tax Maps as may be referenced hereon. This Survey is not a Boundary Survey of any Tax Parcels or Deed Tracts, and does not create, combine, or divide any existing properties.
2. Survey shown hereon was performed under the supervision of a state-registered Land Surveyor and conforms to all applicable State Board Requirements.
3. Instruments Used: One or more of: Topcon Total Station, Topcon Hiperlite Plus GPS, Carlson Surveyor Data Collector, DJI UAV.
4. Where shown, improvements (utilities, buildings, trees, fences, etc.) are based on field Survey and/or aerial mapping.
5. Any Underground Utilities shown according to surface markings made by others, found at time of survey. Additional marked utilities outside the area covered by this survey map may be shown in provided CAD Files. Utility Markings may not be comprehensive, and conditions may change after the time of survey: this survey does not relieve design and construction personnel of the responsibility to determine the locations of underground utilities prior to land disturbance activities. See also 2021 ALTA Standards, page 10, "Note to clients..."
6. This Survey is presented in the format required by Clients. Clients are advised that Official Jurisdictions may require the Survey to be presented in another format with additional notes and certifications. In the event other formats, notes or certifications are requested by applicable jurisdictions, it is the responsibility of the Client to request same be prepared by Surveyor. Survey as published is not intended to be suitable for recording as a Subdivision Plat.
7. This survey may have been reduced or enlarged in size due to subsequent reproduction. This should be taken into consideration when obtaining scaled data.
8. Geographic Coordinates, if published, meet FAA Accuracy Code 1A, and are accurate to within ± 20 feet horizontally and to within ± 3 feet vertically, reference: FAA Order 8260.19K, Section 2-11-3 b.(1).
9. Any Flood Zone information presented hereon is according to current FEMA Flood Map information as may be referenced hereon. No Flood Elevation Survey of Certification performed.
10. This survey is not valid without the original signature seal of a State-Licensed Land Surveyor, and is not complete without the total of sheets as specified in Survey Title Blocks.
11. Unless indicated otherwise by reference to Record Instruments, any Lessee's Leases, Premises or Easements shown hereon are NOT YET OF RECORD and may be subject to change pending review and approval by Carrier, applicable jurisdictions and/or other involved parties.
12. Any Survey Markers placed as required by Standards of Practice and/or Client request represent the Leases and/or Easements as requested or designed by Clients at the time of this survey issue and may not reflect changes to site design which have not been communicated to Surveyor in the form of a Survey revision request. Surveyor shall not be liable for any circumstance arising as a result of revisions to Site Design (which may invalidate existing survey markers) occurring after the date of this Survey issue.

SURVEYOR'S CERTIFICATION

To: APC Towers IV, LLC and Old Republic National Title Insurance Company:
I hereby certify that this survey was completed in accordance with the current requirements of the Standards of Practice for Surveying in the State of Kentucky to the best of my knowledge, information, and belief.



Travis L. Shields
Kentucky PLS
License No. 4246

PROPOSED TOWER LOCATION DATA

Latitude: NORTH: 37.430563° 37° 25' 50.03"
Longitude: WEST: 84.459676° 84° 27' 34.83"
Ground Elev: 923.1 FEET AMSL (NAVD88)
Benchmark: DK3326 KYTH CORS ARP

PARENT TAX PARCEL

PAUL GALE BARRETT & NIETA GAIL BARRETT
TAX PARCEL: 004-00-018

NORTH ORIENTATION

KENTUCKY SOUTH STATE PLANE COORDINATE SYSTEM
Based on GPS Survey relative to NGS CORS Network, NAD83 (2011)
ELEVATION DATUM: NAVD88, GEOID 12B
DATE OF SURVEY: 01-28-26

Method: RTK (CORS); Confidence Level: 95%
Positional Accuracy: HZ ± 0.10'
EPOCH 2010.0000
Convergence: 0.78253310°; Combined Scale Factor: 0.99990759

FLOOD DATA

FEMA FLOOD MAP PANEL: 21203C0075C, Effective Date: 08-03-2009
Surveyed Area appears to lie within: ZONE X (Areas of Minimal Flood Hazard)

TITLE EXAMINATION:

See Sheet #5

SURVEY ISSUE DATA

#	DETAILS	DATE	DRAWN	APP
0	Original Survey Issue	02-08-2026	NB	TLS

LOCATION MAP
NOT TO SCALE



SURVEY MAP LEGEND

- HIGHWAY MARKER FOUND
- ⊗ UTILITY POLE
- ⊕ SITE BENCHMARK
- * PROPOSED EQUIPMENT LOCATION

- R/W RIGHT-OF-WAY
- C/L CENTER LINE
- AU ACCESS & UTILITY
- ESMT EASEMENT
- P.O.C. POINT OF COMMENCEMENT
- P.O.B. POINT OF BEGINNING
- Sq Ft SQUARE FEET

- PAVEMENT EDGE
- GRAVEL EDGE
- DITCH
- FENCE
- OVERHEAD UTILITY LINES
- 5' CONTOURS
- 1' CONTOURS
- MARKED UG PIPELINES
- PUBLIC R/W
- TAX PARCEL BOUNDARY
- TIE LINE
- LESSEE'S PREMISES
- LESSEE'S EASEMENTS



THE
LAND CONSULTANTS
LLC
2820 15TH AVE SW
HUNTSVILLE, AL 35805
423-304-6722

PREPARED FOR



APC TOWERS IV, LLC

8601 Six Forks Rd, Suite 250,
Raleigh, NC 27615

(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)

SITE SURVEY
LV TURKEYTOWN
Site Number: KY-4170
Dysart Way, Crab Orchard, KY 40419
Rockcastle County, Kentucky

COVER SHEET

DWG#: 26025
ISSUE #: 0
ISSUE DATE: 02-08-2026
SEE SHEET #1

SHEET
1
OF
5

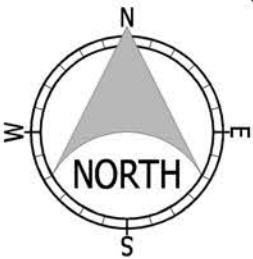
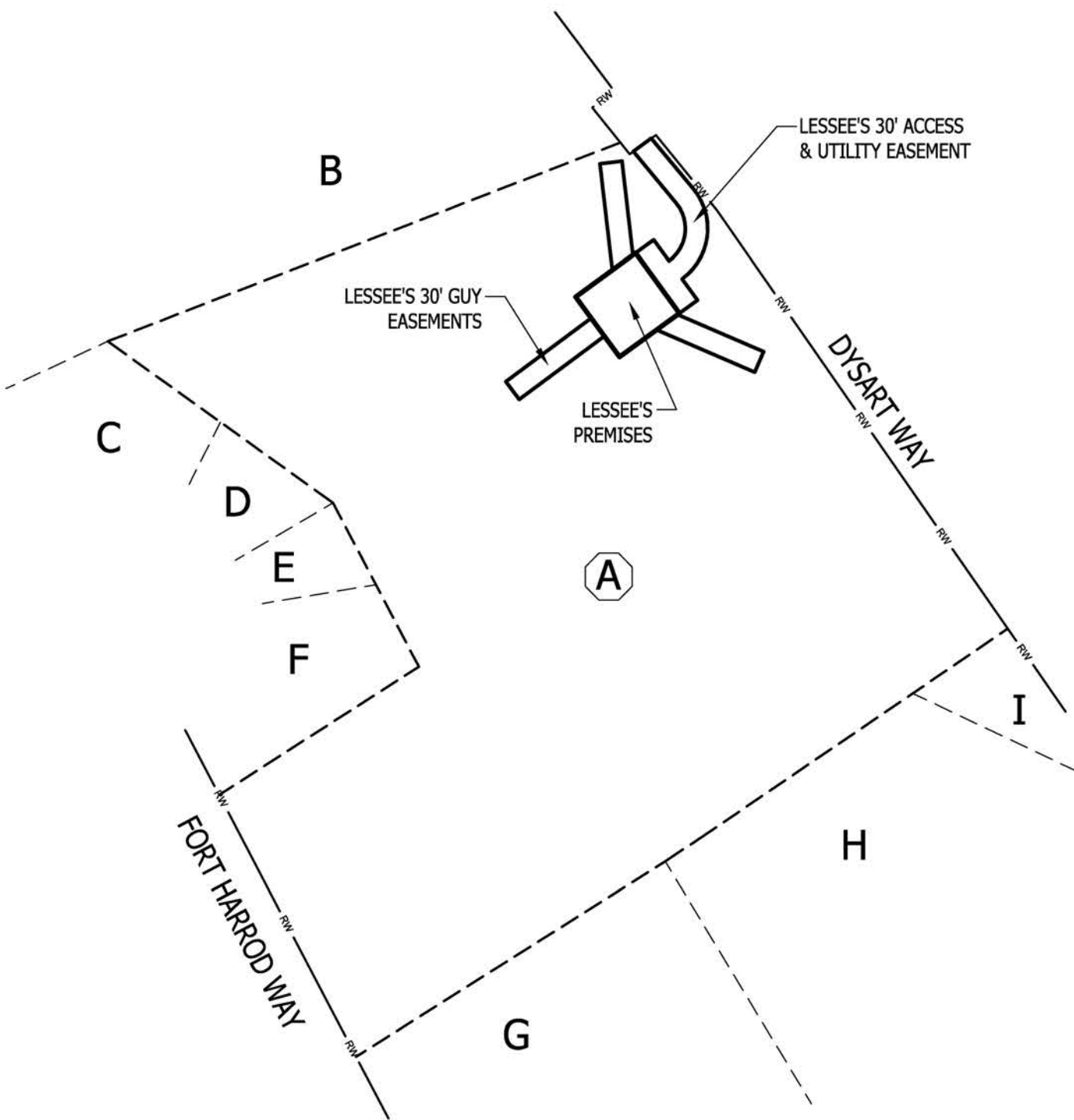
PROPERTY INFORMATION

PARENT TAX PARCEL

A. PAUL GALE BARRETT & NIETA GAIL BARRETT
TAX PARCEL: 004-00-018
DEED BOOK 143, PAGE 323

ADJOINING TAX PARCELS

- B. GREGORY W. COULTON ...
TAX PARCEL: 004-00-014
DEED BOOK 227, PAGE 537
- C. SANDRA GRAVES BURKE
TAX PARCEL: 004-00-015
DEED BOOK 145, PAGE 195
- D. ALISON BIRNEY
TAX PARCEL: 004-00-015.01
DEED BOOK 280, PAGE 144
- E. MARGARET T. MCCOLLUM
TAX PARCEL: 004-00-016
DEED BOOK 169, PAGE 533
- F. CHARLES NAPIER
TAX PARCEL: 004-00-017
DEED BOOK 188, PAGE 268
- G. BENNY R. & SHARON BURCHETT
TAX PARCEL: 004-00-019.02
DEED BOOK 195, PAGE 308
- H. BURCHETT BENNY RAY
TAX PARCEL: 004-00-019
DEED BOOK 275, PAGE 476
- I. GARLAN CUMMINS ...
TAX PARCEL: 004-00-019.01
DEED BOOK 258, PAGE 64



THE LAND CONSULTANTS LLC
2820 15TH AVE SW
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423-304-6722

PREPARED FOR



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8601 Six Forks Rd, Suite 250,
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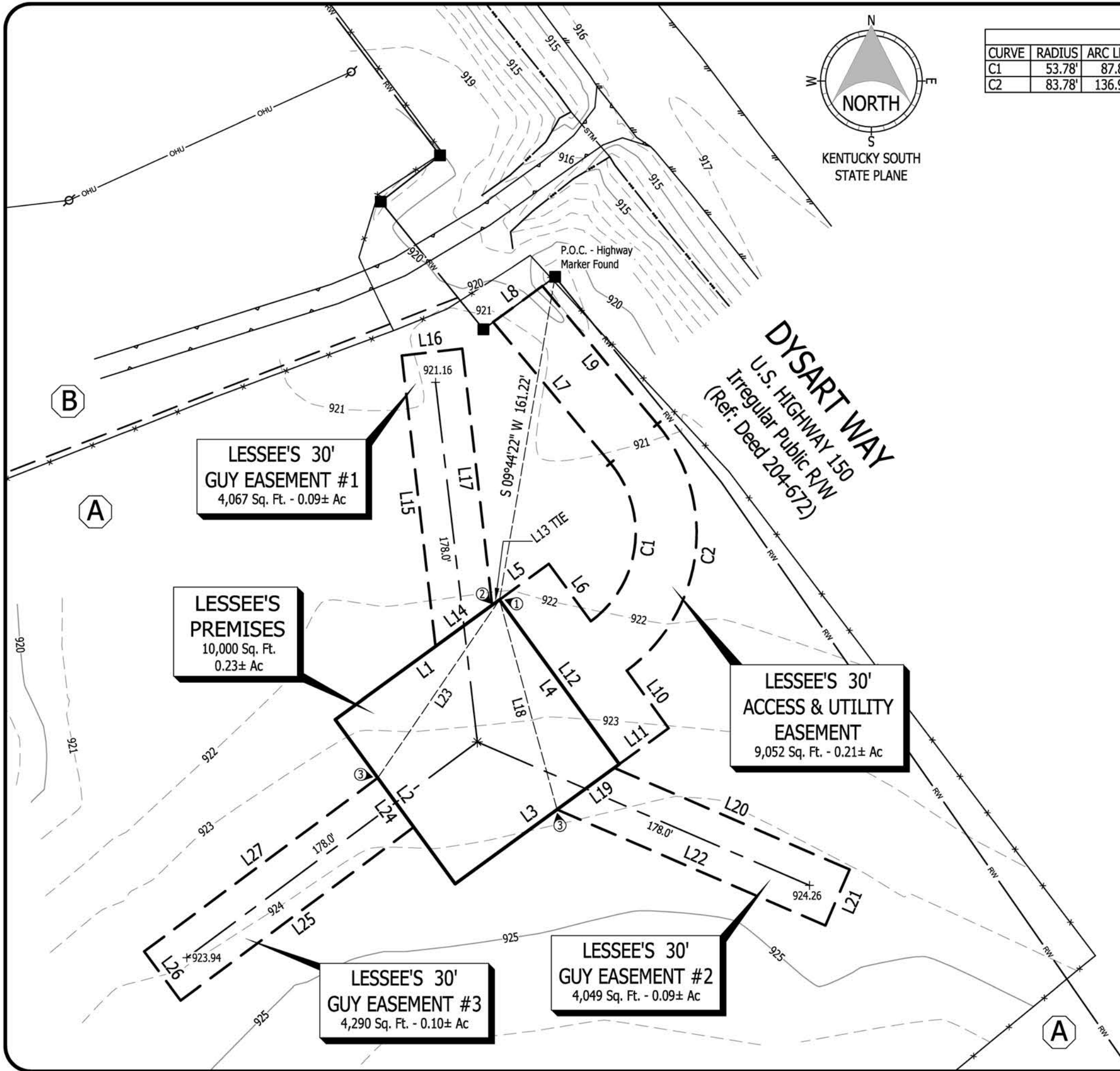
SITE SURVEY
LV TURKEYTOWN
Site Number: KY-4170
Dysart Way, Crab Orchard, KY 40419
Rockcastle County, Kentucky

OVERVIEW MAP CAVEAT:
OVERVIEW MAP IS NOT A SURVEY BUT A VICINITY / LOCATION MAP INTENDED
ONLY TO SHOW SURVEYED PROPERTY IN RELATION TO SURROUNDING AREA.
VESTING AND ADJOINING PARCEL BOUNDARIES ARE NOT INCLUDED IN OR
CERTIFIED BY THIS SURVEY. BOUNDARY LINES ARE A COMPOSITE OF DEED,
PLAT AND/OR TAX MAP INFORMATION
SEE SURVEY MAP FOR ALL MATTERS RELATED TO SITE SURVEY

OVERVIEW MAP

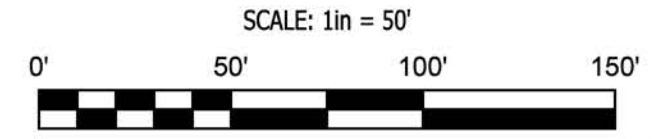
DWG#: 26025
ISSUE #: 0
ISSUE DATE: 02-08-2026
SEE SHEET #1

SHEET
2
OF
5



CURVE DATA TABLE						
CURVE	RADIUS	ARC LEN	TANGENT	DELTA ANGLE	CHORD BEARING	CHORD LEN
C1	53.78'	87.89'	57.30'	93°38'09"	N 07°04'53" E	78.43'
C2	83.78'	136.91'	89.27'	93°38'09"	S 07°04'53" W	122.18'

LINE DATA TABLE		
LINE	BEARING	DISTANCE
L1	S 53°53'58" W	100.00'
L2	S 36°06'02" E	100.00'
L3	N 53°53'58" E	100.00'
L4	N 36°06'02" W	100.00'
L5	N 53°53'58" E	30.00'
L6	S 36°06'02" E	35.00'
L7	N 39°44'11" W	90.25'
L8	N 53°48'12" E	30.06'
L9	S 39°44'11" E	88.39'
L10	S 36°06'02" E	35.00'
L11	S 53°53'58" W	30.00'
L12	N 36°06'02" W	100.00'
L13	S 53°53'58" W	4.51'
L14	S 53°53'58" W	34.46'
L15	N 06°37'33" W	144.04'
L16	N 83°22'27" E	30.00'
L17	S 06°37'33" E	127.09'
L18	S 15°19'42" E	106.95'
L19	N 53°53'58" E	34.83'
L20	S 66°37'33" E	126.11'
L21	S 23°22'27" W	30.00'
L22	N 66°37'33" W	143.80'
L23	S 34°22'34" W	106.10'
L24	S 36°06'02" E	30.00'
L25	S 53°22'27" W	142.86'
L26	N 36°37'33" W	30.00'
L27	N 53°22'27" E	143.14'



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(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)

SITE SURVEY
LV TURKEYTOWN
Site Number: KY-4170
Dysart Way, Crab Orchard, KY 40419
Rockcastle County, Kentucky

SITE SURVEY

DWG#: 26025
ISSUE #: 0
ISSUE DATE: 02-08-2026
SEE SHEET #1

SHEET
3
OF
5

LESSEE'S PREMISES

All that tract or parcel of land lying and being in Rockcastle County, Kentucky, and being a portion of the property of Paul Gale Barrett and Nieta Gail Barrett, of record in Deed Book 143, Page 323, Rockcastle County Clerk's Office, and being more particularly described as follows:

COMMENCE at a Highway Marker found in the Southeastern Right-of-Way Line of Dysart Way (US Highway 150), located at the most Northern Corner of aforesaid property (less and except that portion conveyed as Highway Right-of-Way by Deed Book 204, Page 672, said Records);
Thence along a Chord Tie Line having a Bearing of S 09°44'22" W, a distance of 161.22 feet to the POINT OF BEGINNING;

Thence S 53°53'58" W, a distance of 100.00 feet;
Thence S 36°06'02" E, a distance of 100.00 feet;
Thence N 53°53'58" E, a distance of 100.00 feet;
Thence N 36°06'02" W, a distance of 100.00 feet to the POINT OF BEGINNING.

Said Premises contains 0.23 Acres (10,000 Square Feet), more or less.

LESSEE'S 30' ACCESS & UTILITY EASEMENT

All that tract or parcel of land lying and being in Rockcastle County, Kentucky, and being a portion of the property of Paul Gale Barrett and Nieta Gail Barrett, of record in Deed Book 143, Page 323, Rockcastle County Clerk's Office, and being more particularly described as follows:

COMMENCE at a Highway Marker found in the Southeastern Right-of-Way Line of Dysart Way (US Highway 150), located at the most Northern Corner of aforesaid property (less and except that portion conveyed as Highway Right-of-Way by Deed Book 204, Page 672, said Records);
Thence along a Chord Tie Line having a Bearing of S 09°44'22" W, a distance of 161.22 feet to the POINT OF BEGINNING;

Thence N 53°53'58" E, a distance of 30.00 feet;
Thence S 36°06'02" E, a distance of 35.00 feet;
Thence with a curve to the left with an arc length of 87.89 feet, with a radius of 53.78 feet, with a chord bearing of N 07°04'53" E, with a chord length of 78.43 feet;
Thence N 39°44'11" W, a distance of 90.25 feet to a point on the Southeast Line of an inset portion of aforesaid Right-of-Way, said line being also a Northwestern Line of aforesaid property of Barrett;
Thence N 53°48'12" E, along said Line, a distance of 30.06 feet;
Thence S 39°44'11" E, leaving said Line, a distance of 88.39 feet;
Thence with a curve to the right with an arc length of 136.91 feet, with a radius of 83.78 feet, with a chord bearing of S 07°04'53" W, with a chord length of 122.18 feet;
Thence S 36°06'02" E, a distance of 35.00 feet;
Thence S 53°53'58" W, a distance of 30.00 feet;
Thence N 36°06'02" W, a distance of 100.00 feet to the POINT OF BEGINNING.

Said Easement contains 0.21 Acres (9,052 Square Feet), more or less.



LESSEE'S 30' GUY EASEMENT #1

All that tract or parcel of land lying and being in Rockcastle County, Kentucky, and being a portion of the property of Paul Gale Barrett and Nieta Gail Barrett, of record in Deed Book 143, Page 323, Rockcastle County Clerk's Office, and being more particularly described as follows:

COMMENCE at a Highway Marker found in the Southeastern Right-of-Way Line of Dysart Way (US Highway 150), located at the most Northern Corner of aforesaid property (less and except that portion conveyed as Highway Right-of-Way by Deed Book 204, Page 672, said Records);
Thence along a Chord Tie Line having a Bearing of S 09°44'22" W, a distance of 161.22 feet;
Thence S 53°53'58" W, a distance of 4.51 feet to the POINT OF BEGINNING;

Thence S 53°53'58" W, a distance of 34.46 feet;
Thence N 06°37'33" W, a distance of 144.04 feet;
Thence N 83°22'27" E, a distance of 30.00 feet;
Thence S 06°37'33" E, a distance of 127.09 feet to the POINT OF BEGINNING.

Said Easement contains 0.09 Acres (4,067 Square Feet), more or less.

LESSEE'S 30' GUY EASEMENT #2

All that tract or parcel of land lying and being in Rockcastle County, Kentucky, and being a portion of the property of Paul Gale Barrett and Nieta Gail Barrett, of record in Deed Book 143, Page 323, Rockcastle County Clerk's Office, and being more particularly described as follows:

COMMENCE at a Highway Marker found in the Southeastern Right-of-Way Line of Dysart Way (US Highway 150), located at the most Northern Corner of aforesaid property (less and except that portion conveyed as Highway Right-of-Way by Deed Book 204, Page 672, said Records);
Thence along a Chord Tie Line having a Bearing of S 09°44'22" W, a distance of 161.22 feet;
Thence S 15°19'42" E, a distance of 106.95 feet to the POINT OF BEGINNING;

Thence N 53°53'58" E, a distance of 34.83 feet;
Thence S 66°37'33" E, a distance of 126.11 feet;
Thence S 23°22'27" W, a distance of 30.00 feet;
Thence N 66°37'33" W, a distance of 143.80 feet to the POINT OF BEGINNING.

Said Easement contains 0.09 Acres (4,049 Square Feet), more or less.

LESSEE'S 30' GUY EASEMENT #3

All that tract or parcel of land lying and being in Rockcastle County, Kentucky, and being a portion of the property of Paul Gale Barrett and Nieta Gail Barrett, of record in Deed Book 143, Page 323, Rockcastle County Clerk's Office, and being more particularly described as follows:

COMMENCE at a Highway Marker found in the Southeastern Right-of-Way Line of Dysart Way (US Highway 150), located at the most Northern Corner of aforesaid property (less and except that portion conveyed as Highway Right-of-Way by Deed Book 204, Page 672, said Records);
Thence along a Chord Tie Line having a Bearing of S 09°44'22" W, a distance of 161.22 feet;
Thence S 34°22'34" W, a distance of 106.10 feet to the POINT OF BEGINNING;

Thence S 36°06'02" E, a distance of 30.00 feet;
Thence S 53°22'27" W, a distance of 142.86 feet;
Thence N 36°37'33" W, a distance of 30.00 feet;
Thence N 53°22'27" E, a distance of 143.14 feet to the POINT OF BEGINNING.

Said Easement contains 0.10 Acres (4,290 Square Feet), more or less.



THE
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8601 Six Forks Rd, Suite 250,
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(Not a Boundary Survey of Parent Lands. Not intended for fee simple Land Transfer)

SITE SURVEY
LV TURKEYTOWN
Site Number: KY-4170
Dysart Way, Crab Orchard, KY 40419
Rockcastle County, Kentucky

DESCRIPTIONS

DWG#: 26025
ISSUE #: 0
ISSUE DATE: 02-08-2026
SEE SHEET #1

SHEET
4
OF
5

TITLE EXAMINATION

Surveyor's treatment of Title Examination Items is limited to the scope described in ALTA/NSPS 2021 requirements, Section 6. C. ii., and is limited to determination of the extent of land, that Title Items may influence, if any. "Extent of Property" may be: Blanket in nature for a Parcel or Parcels (not subject to mapping, but assumed to also apply to Lessee's Areas (if any) insofar as these may lie on Parcel(s) influenced by instrument); specifically described by instrument (mapped and shown only if within the Surveyed Area). Determination of physical location may not be possible if: instrument is illegible; instrument lacks sufficient descriptive information; or instrument refers to other instruments which were not included in the title exam and not otherwise available to surveyor. Factors beyond physical location, such as the type of influence that "Restrictions, Covenants, Terms or Conditions" contained in instruments may impart upon Parcels or Lessee's Site or Easements are not evaluated by Land Surveyor. Review by Title Attorney may be warranted. Land Surveyors may not practice Law.)

Reference: Commitment for Title Insurance prepared by Old Republic National Title Insurance Company, Commitment Number: 01-25073331-01T, Commitment Date: Nov 10, 2025, Schedule B, Part II, Exceptions.

Item 1 - 6: General Items (no record instruments listed) or Taxes, not addressed by Survey.

Item 7, Deed 208-672. Conveyance of lands for Right-of-Way of Dysart Way (US Highway 150). Conveyance of lands was in fee simple to Commonwealth of Kentucky. Current Parent Tax Parcel is exclusive of previously conveyed lands. R/W line shown hereon according to found monuments. Deed refers to "Kentucky Administrative regulations" regarding partially controlled access, not evaluated by this survey. Deed indicated that "access to [remaining property] shall be provided only where specifically shown on plans", said plans not included in the deed.

Item 8, Deed 100-132: 12' Water Line Easement, Western Rockcastle Water Association. Granted from lands of previous owner of vesting lands of Parent Tax Parcel and other lands. Easement described by reference to a plat, reference is incomplete and plat not included with deed. Location relative to Parent Tax Parcel not possible with available information.

Item 9, Deed 289-579: 40' Easement to Delta Natural Gas Company, granted from lands of Parent Tax Parcel. Easement is not described in terms suitable for mapping or for determining its location within Parent Tax Parcel. No markings related to gas lines were observed within survey area.

LEGAL DESCRIPTION OF PARENT TAX PARCEL

Situated in the County of Rockcastle, State of Kentucky:

Beginning at a post corner to Charles Napier in the East right of way of U.S. Highway No. 150; thence going with the Napier line N 62 31'43" E, 319.59 feet to a post; thence N 22 25'13" W, passing a corner between Napier and Nannie Mae Gibson, and also passing a corner between Gibson and Carolyn Birney, and going in all 249.16 feet to a post; thence N 49 07'14" W, passing a corner between Birney and Dennis Collins and going in all 373.21 feet to a post, corner to Collins in the Louella Jones line; thence going with the Jones line N 74 03'39" E, 974.91 feet to a post; thence S 44 14'14" E, 398.50 feet to a post; S 39 54'21"E, 186.64 feet to a post; S 37 55'26"E, 215.74 feet to a post corner to Billy Ison in the Jones' line; thence leaving the Jones' line and going with Ison S 60 56'45" W, 826.77 feet to a post; thence S 61 42'32"W, 69.68 feet to a post, corner to Vernon Cummins; thence with the Cummins line S 62 57'22"W, 492.39 feet to a post in the east right of way of U.S. Highway 150; thence with said right of way N 22 57'50" W, 310.91 feet to a post; N 20 22'13" W, 86.69 feet to the beginning and containing 22.221 acres. (Containing approximately 17.162 acres, more or less, after the conveyance in Deed Book 204, Page 672).

Less and Except that portion conveyed to the Commonwealth of Kentucky in DB 204/672.

Tax ID: 004-00-018

Being the same Property conveyed to Paul Gale Barrett and Nieta Gail Barrett, husband and wife, as Tenants by the Entireties, the Survivor of them to take the whole of said property in fee simple, Grantee, from Marshall L. Mckinney and Ruby Mckinney, husband and wife, Grantor, by Deed Recorded 06/25/1991, as Book 143, Page 323 of the County Records.



THE
LAND CONSULTANTS
LLC
2820 15TH AVE SW
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423-304-6722

PREPARED FOR



APC TOWERS IV, LLC

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Rockcastle County, Kentucky

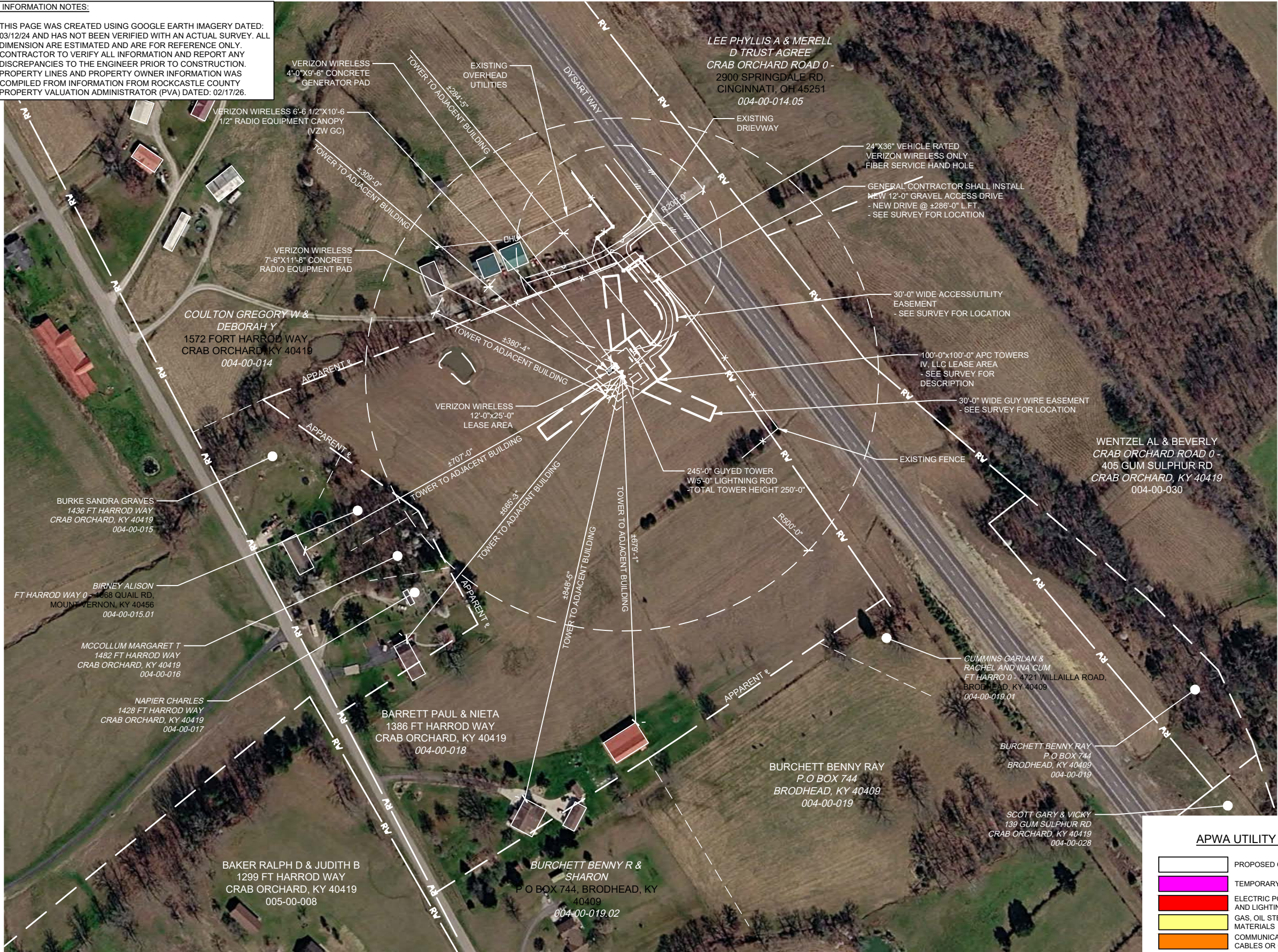
TITLE

DWG#: 26025
ISSUE #: 0
ISSUE DATE: 02-08-2026
SEE SHEET #1

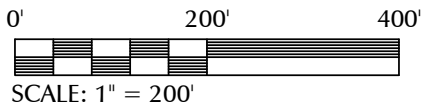
SHEET
5
OF
5

SITE INFORMATION NOTES:

1. THIS PAGE WAS CREATED USING GOOGLE EARTH IMAGERY DATED: 03/12/24 AND HAS NOT BEEN VERIFIED WITH AN ACTUAL SURVEY. ALL DIMENSION ARE ESTIMATED AND ARE FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL INFORMATION AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. PROPERTY LINES AND PROPERTY OWNER INFORMATION WAS COMPILED FROM INFORMATION FROM ROCKCASTLE COUNTY PROPERTY VALUATION ADMINISTRATOR (PVA) DATED: 02/17/26.



**OVERALL SITE PLAN
w/AERIAL OVERLAY**



APWA UTILITY COLOR CODES

	PROPOSED CONSTRUCTION
	TEMPORARY SURVEY MARKINGS
	ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
	GAS, OIL, STEAM, PETROLEUM OR GASEOUS MATERIALS
	COMMUNICATION, ALARM OR SIGNAL LINES, CABLES OR CONDUIT
	POTABLE WATER
	RECLAIMED WATER, IRRIGATION AND SLURRY LINES
	SEWERS AND DRAIN LINES



Know what's below.
Call before you dig.
Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

PREPARED FOR:



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

PREPARED BY:



1961 NORTHPOINT BLVD, SUITE 130
HIXSON, TN 37343
PH: 423-843-9500
FAX: 423-843-9509

DRAWING NOTICE:

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT IS STRICTLY PROHIBITED.

DRAWN BY: JAE

CHECKED BY: DS

REVISIONS

NO.	DATE	BY	DESCRIPTION
3	06/08/26	DMB	ZONING ISSUE
2	06/02/26	DMB	ZONING ISSUE
1	05/13/26	WAM	ZONING ISSUE
0	04/09/26	JAE	ZONING ISSUE
C	03/12/26	JAE	PRELIMINARY REVIEW
B	02/26/26	WAM	PRELIMINARY REVIEW
A	02/17/26	JAE	PRELIMINARY REVIEW

ENGINEER'S STAMP:



NOT VALID WITHOUT P.E. STAMP & SIGNATURE

SITE NAME:

LV TURKEYTOWN

ADDRESS:

9311 DYSART WAY
CRAB ORCHARD, KY 40419

COUNTY:

ROCKCASTLE

LATITUDE:

37° 25' 50.03" N

LONGITUDE:

84° 27' 34.83" W

SITE NUMBER:

KY-4170

SHEET TITLE:

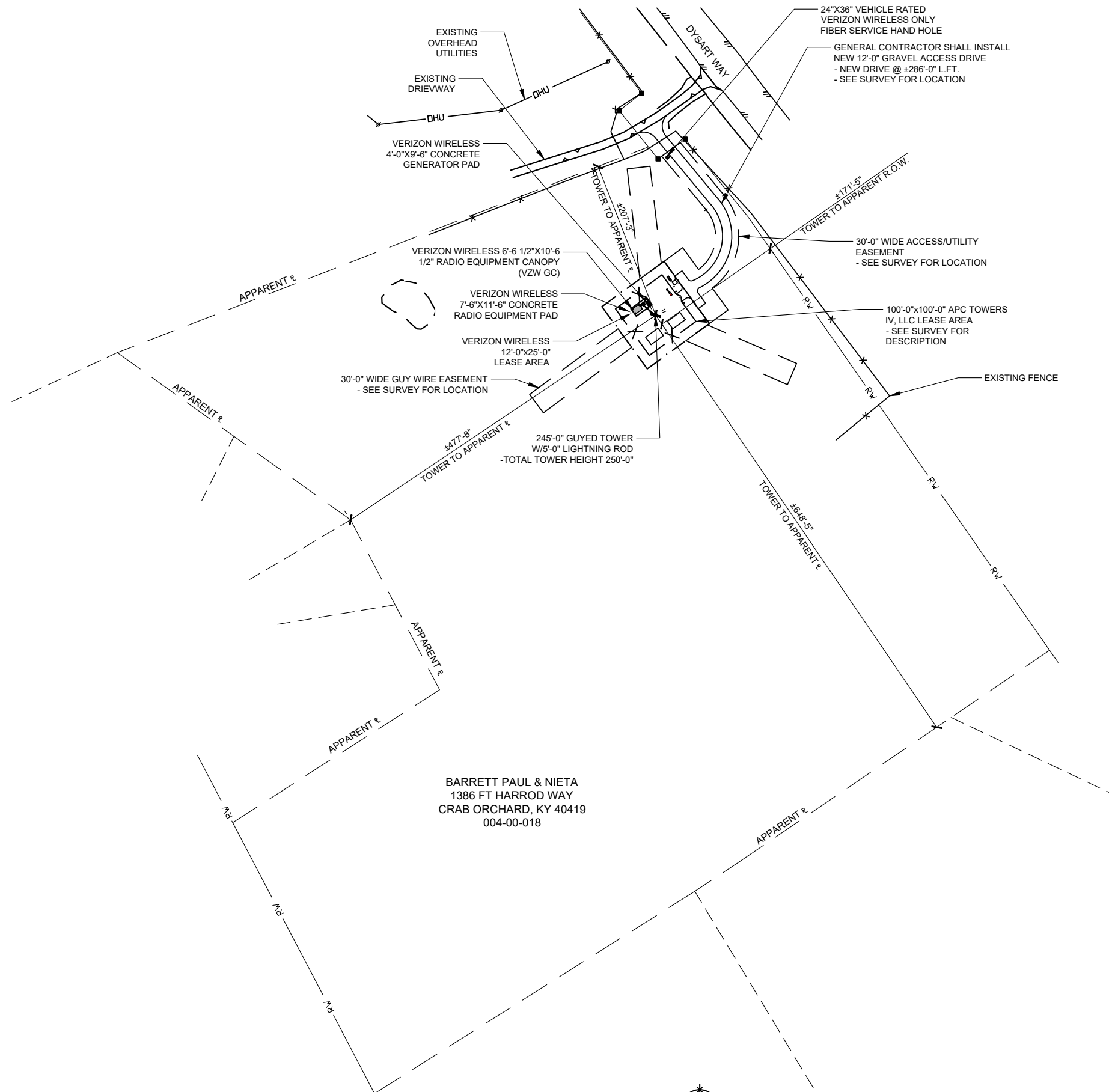
OVERALL SITE PLAN

DRAWING NO.

Z-1

REVISION:

3



Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007

PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

OVERALL SITE PLAN w/TOWER
DISTANCE TO PROPERTY LINES



0' 150' 300'
SCALE: 1" = 150'

PREPARED FOR:

APC Towers

8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

PREPARED BY:

TeleCAD Wireless

1961 NORTHPOINT BLVD, SUITE 130
HIXSON, TN 37343
PH: 423-843-9500
FAX: 423-843-9509

DRAWING NOTICE:

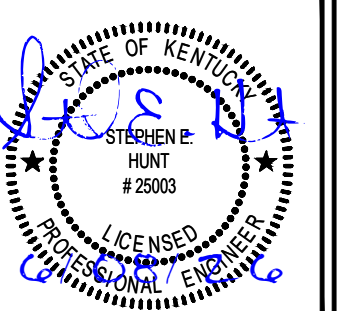
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DRAWN BY: JAE
CHECKED BY: DS

REVISIONS

NO.	DATE	BY	DESCRIPTION
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A	02/17/26	JAE	PRELIMINARY REVIEW

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LV TURKEYTOWN

ADDRESS:

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CRAB ORCHARD, KY 40419

COUNTY:

ROCKCASTLE

LATITUDE:

37° 25' 50.03" N

LONGITUDE:

84° 27' 34.83" W

SITE NUMBER:

KY-4170

SHEET TITLE:

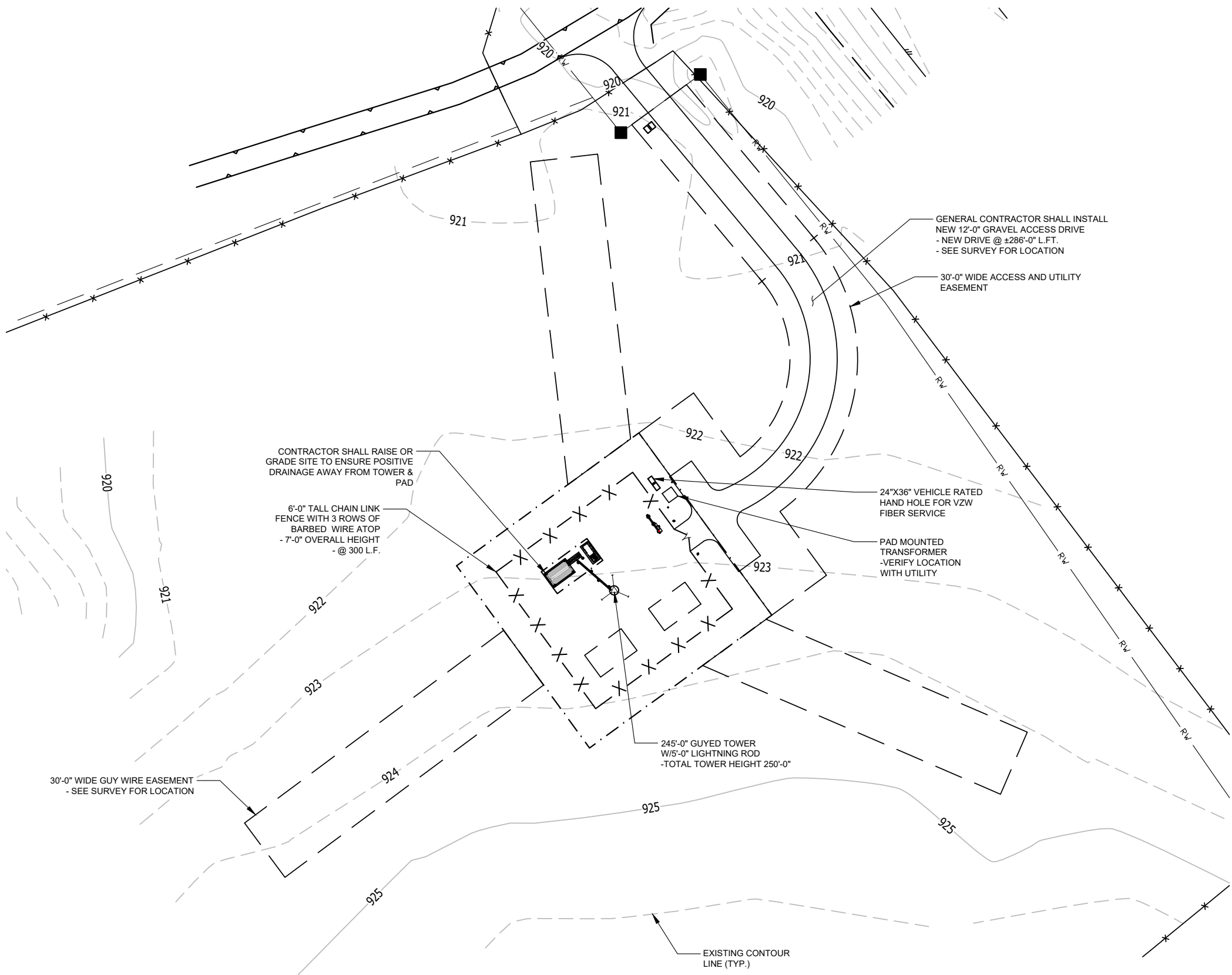
OVERALL SITE PLAN

DRAWING NO.

Z-2

REVISION:

3



Know what's below.
Call before you dig.

Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007

PER KENTUCKY STATE LAW, IT IS AGAINST THE
LAW TO EXCAVATE WITHOUT NOTIFYING THE
UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.

GRADING AND E&S CONTROL PLAN



0' 50' 100'
SCALE: 1" = 50'

PREPARED FOR:

APC Towers

8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

PREPARED BY:

**TeleCAD
Wireless**

1961 NORTHPOINT BLVD, SUITE 130
HIXSON, TN 37343
PH: 423-843-9500
FAX: 423-843-9509

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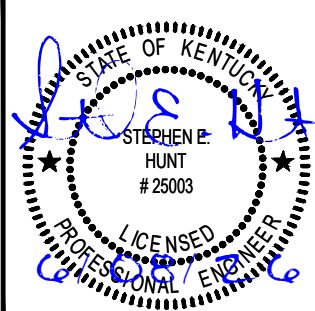
DRAWN BY: JAE

CHECKED BY: DS

REVISIONS

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2	06/02/26	DMB	ZONING ISSUE
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0	04/09/26	JAE	ZONING ISSUE
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A	02/17/26	JAE	PRELIMINARY REVIEW

ENGINEER'S STAMP:



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SITE NAME:

LV TURKEYTOWN

ADDRESS:

9311 DYSART WAY
CRAB ORCHARD, KY 40419

COUNTY:

ROCKCASTLE

LATITUDE:

37° 25' 50.03" N

LONGITUDE:

84° 27' 34.83" W

SITE NUMBER:

KY-4170

SHEET TITLE:

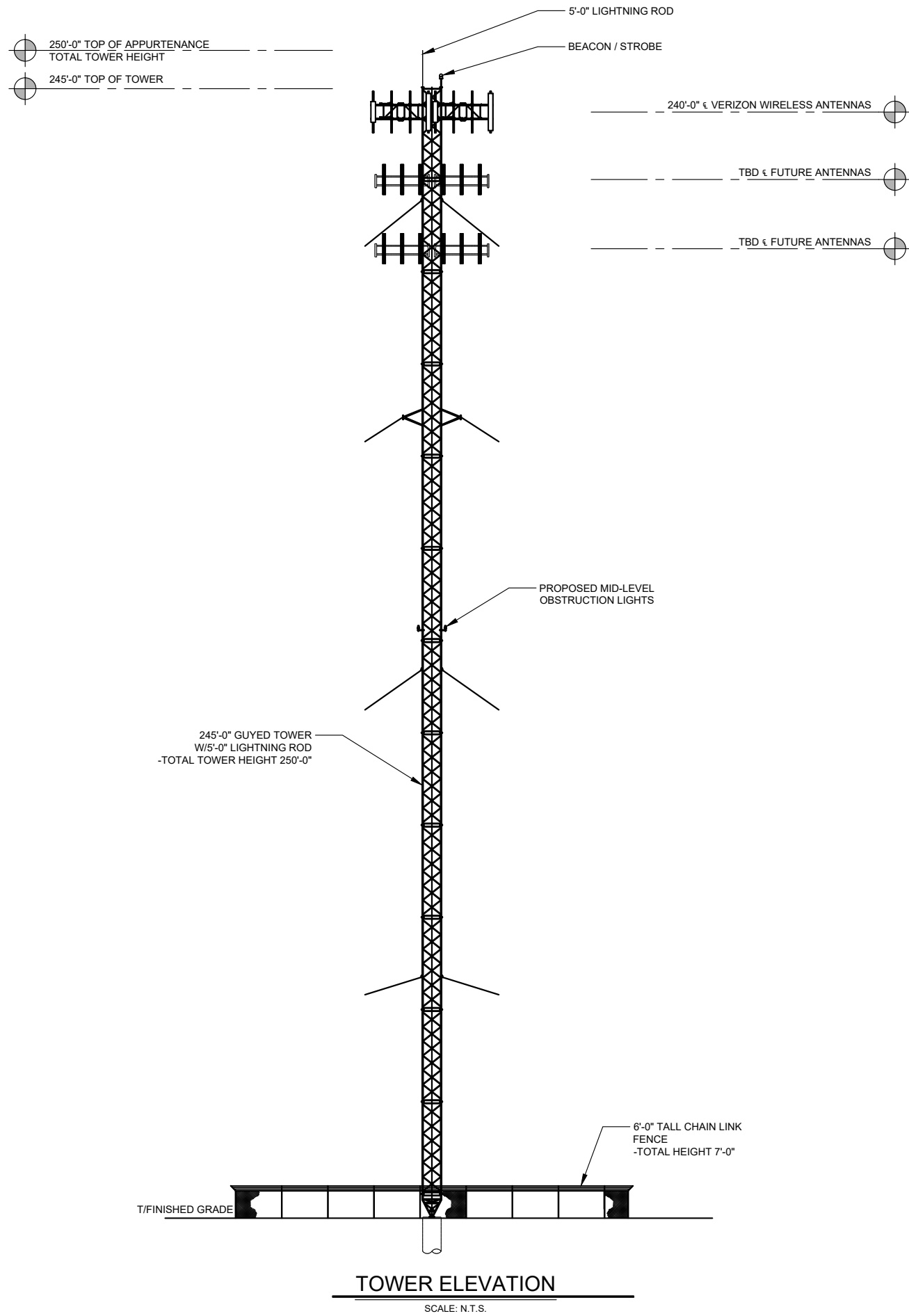
GRADING AND E&S
CONTROL PLAN

DRAWING NO.

Z-3

REVISION:

3



PREPARED FOR:

APC Towers

8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

PREPARED BY:

TeleCAD Wireless

1961 NORTHPOINT BLVD, SUITE 130
HIXSON, TN 37343
PH: 423-843-9500
FAX: 423-843-9509

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CHECKED BY:	DS

REVISIONS			
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B	02/26/26	WAM	PRELIMINARY REVIEW
A	02/17/26	JAE	PRELIMINARY REVIEW
NO.	DATE	BY	DESCRIPTION

ENGINEER'S STAMP:

STATE OF KENTUCKY

STEPHEN E. HUNT
#25003

LICENSED PROFESSIONAL ENGINEER

NOT VALID WITHOUT P.E. STAMP & SIGNATURE

SITE NAME:
LV TURKEYTOWN

ADDRESS:
9311 DYSART WAY
CRAB ORCHARD, KY 40419

COUNTY:
ROCKCASTLE

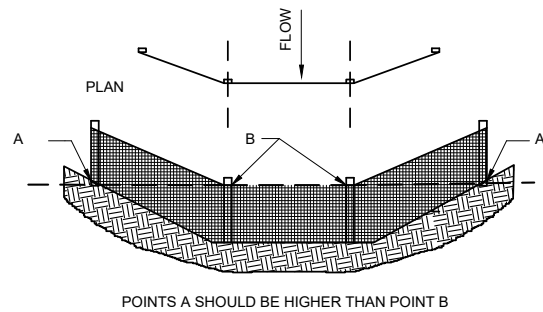
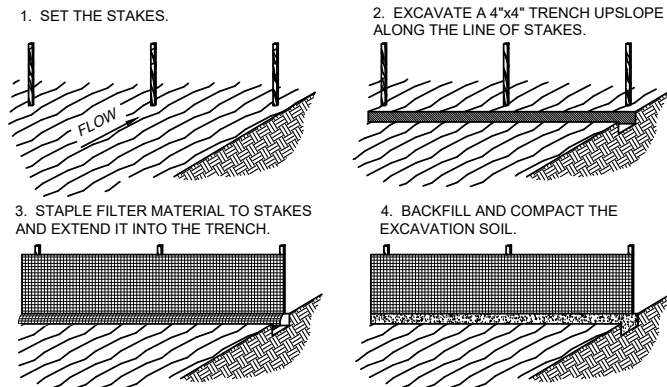
LATITUDE:
37° 25' 50.03" N

LONGITUDE:
84° 27' 34.83" W

SITE NUMBER:
KY-4170

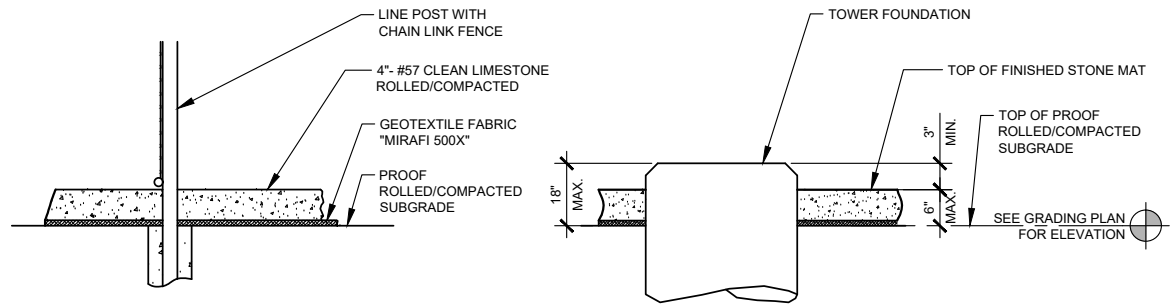
SHEET TITLE:
TOWER ELEVATION

DRAWING NO. Z-5	REVISION: 3
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SILT FENCE DETAIL

SCALE: N.T.S.

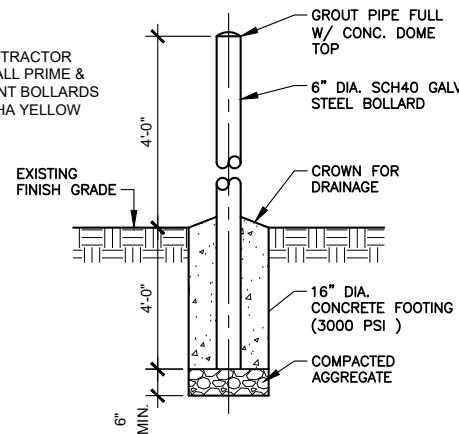


PARTIAL COMPOUND SECTION

SCALE: N.T.S.

NOTE:

1. CONTRACTOR SHALL PRIME & PAINT BOLLARDS OSHA YELLOW



BOLLARD DETAIL

SCALE: N.T.S.

PREPARED FOR:

APC Towers

8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

PREPARED BY:

TeleCAD Wireless

1961 NORTHPOINT BLVD, SUITE 130
HIXSON, TN 37343
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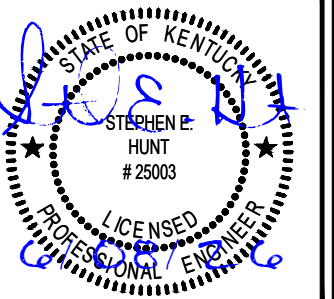
CHECKED BY:

DS

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CRAB ORCHARD, KY 40419

COUNTY:

ROCKCASTLE

LATITUDE:

37° 25' 50.03" N

LONGITUDE:

84° 27' 34.83" W

SITE NUMBER:

KY-4170

SHEET TITLE:

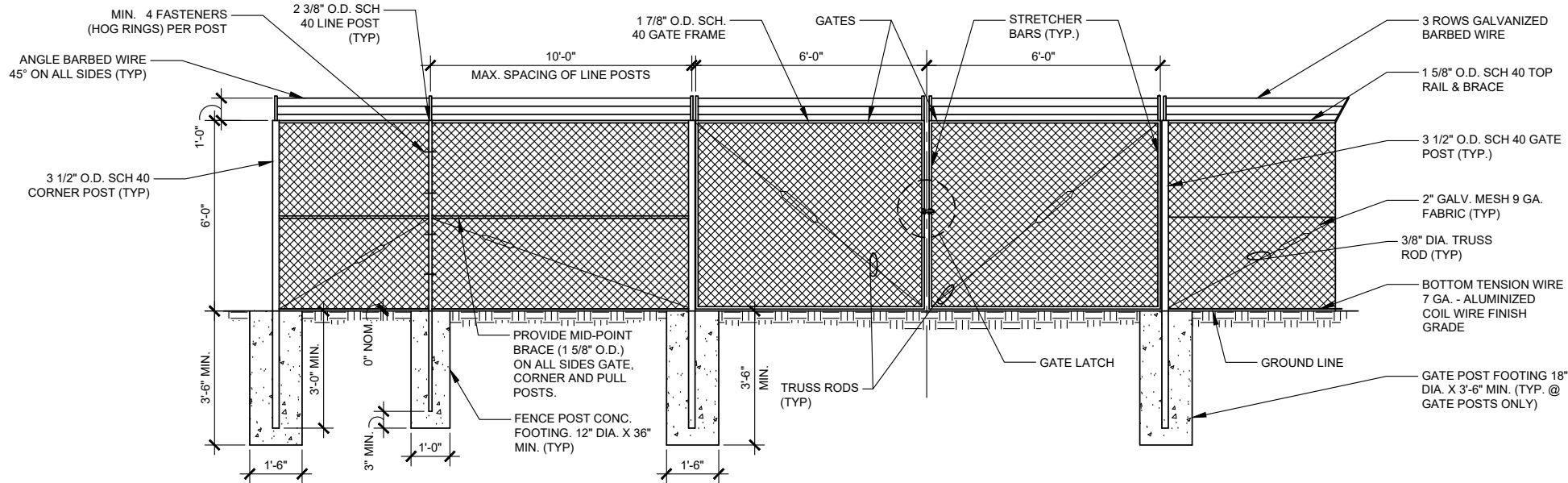
SITE DETAILS

DRAWING NO.

Z-6

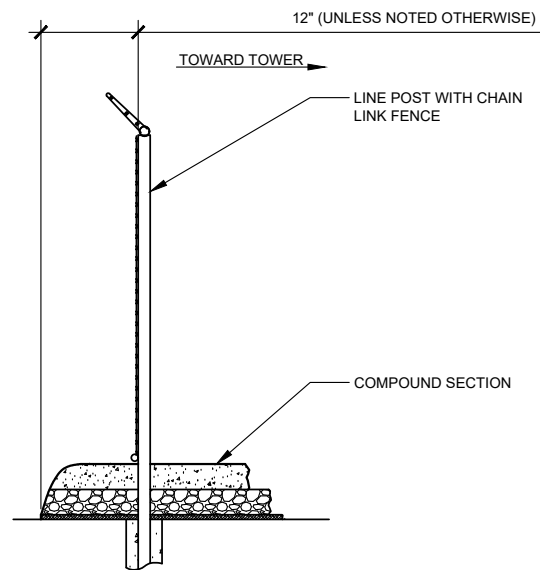
REVISION:

3



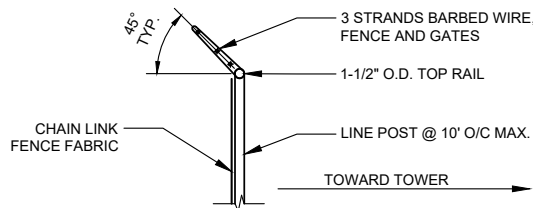
CHAIN LINK FENCE & POST DETAIL

SCALE: N.T.S.



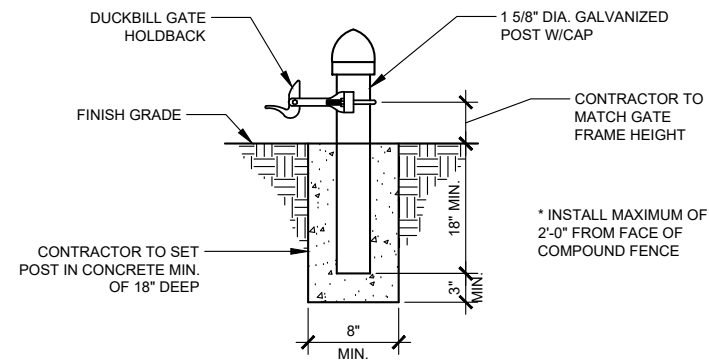
SITE AREA SURFACING

SCALE: N.T.S.



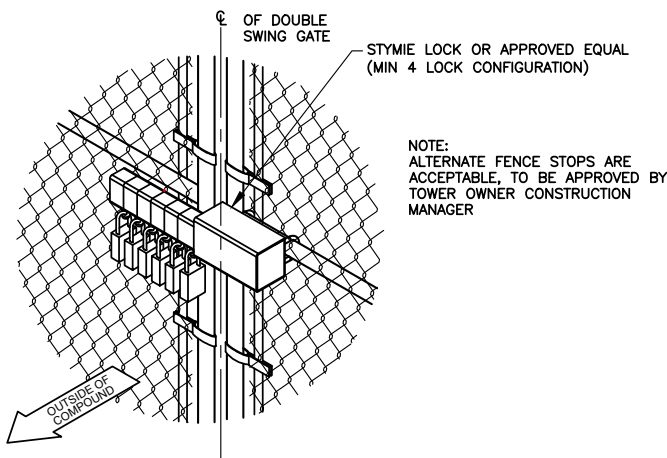
TYPICAL BARBED WIRE DETAIL

SCALE: N.T.S.



GATE KEEPER DETAIL

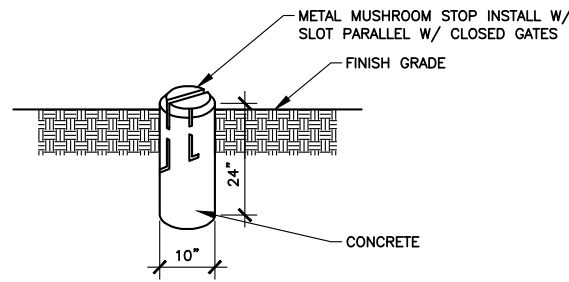
SCALE: N.T.S.



GATE LOCK DETAIL

SCALE: N.T.S.

5
D-1



MUSHROOM STOP DETAIL

SCALE: N.T.S.

6
D-1

CHAIN LINK FENCING NOTES

1. ALL FENCE AND FABRIC SHALL BE HOT DIPPED GALVANIZED WITH A MINIMUM OF 2 OZ. PER SQUARE FOOT, 9 GAUGE WIRE (MIN. BREAKING STRENGTH OF 1,290 LBS) WITH 2" MESH. ALL BARBED WIRE SHALL BE ALUMINUM OR COATED PER NOTE #4.
2. BOTTOM EDGE OF FENCE FABRIC SHALL EXTEND TO FINISHED GRADE.
3. SITE FENCE SHALL BE 6'-0" FABRIC W/ 3 STRAND BARBED WIRE FOR TOTAL HEIGHT OF 7'-0".
4. BARBED WIRE SHALL MEET ASTM A 121, CLASS 3 GALV. OR ASTM A 585, TYPE I, CLASS 2 COATING (NOT LESS THAN 0.8 OZ. PER SQ. FT.) AND SHALL BE THREE STRAND 12.5 GAGE w/4 POINT BARBS AT 5" O/C.
5. BOTTOM OF CONCRETE BASE SHALL BE SET BELOW FROSTLINE (SEE LOCAL CODE). WHERE SOIL BEARING CAPACITY IS LESS THAN 2000 PSF, INCREASE CONCRETE SURROUNDING FENCE POST FOUNDATION DIAMETERS BY 8", PROVIDE CONCRETE WITH A 28 DAY STRENGTH OF 3000 PSI (MIN.)
6. PROVIDE A DIAGONAL BRACE ROD AND TURN BUCKLE ON BOTH GATE LEAFS.
7. ALL RAILS AND BRACES SHALL BE SCHEDULE 40 STEEL PIPE, AND ALL FENCE POSTS SHALL BE SCHEDULE 40 STEEL PIPE, AND BE 2 OZ. GALVANIZED COATED.
8. CONTRACTOR SHALL ENSURE ALL POSTS ARE PLUMB.
9. ALL FENCE SHALL BE FABRICATED AND INSTALLED PER ASTM F2611-15, ASTM F567-14a AND CHAIN LINK FENCE MANUFACTURES INSTITUTE CLFMI-PM 2445.
10. CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) MASTER LOCK LONG SHANK #175LH COMBINATION PADLOCK. COMBINATION TO BE SET AT 7011.

PREPARED FOR:

APC Towers

8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

PREPARED BY:

TeleCAD Wireless

1961 NORTHPOINT BLVD, SUITE 130
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PH: 423-843-9500
FAX: 423-843-9509

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JAE

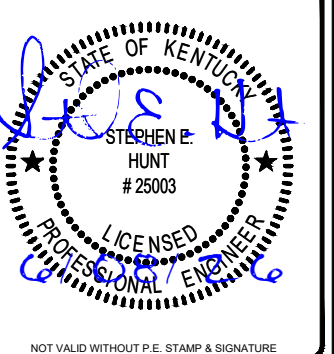
CHECKED BY:

DS

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ENGINEER'S STAMP:



SITE NAME:

LV TURKEYTOWN

ADDRESS:

9311 DYSART WAY
CRAB ORCHARD, KY 40419

COUNTY:

ROCKCASTLE

LATITUDE:

37° 25' 50.03" N

LONGITUDE:

84° 27' 34.83" W

SITE NUMBER:

KY-4170

SHEET TITLE:

FENCE DETAILS
AND NOTES

DRAWING NO.

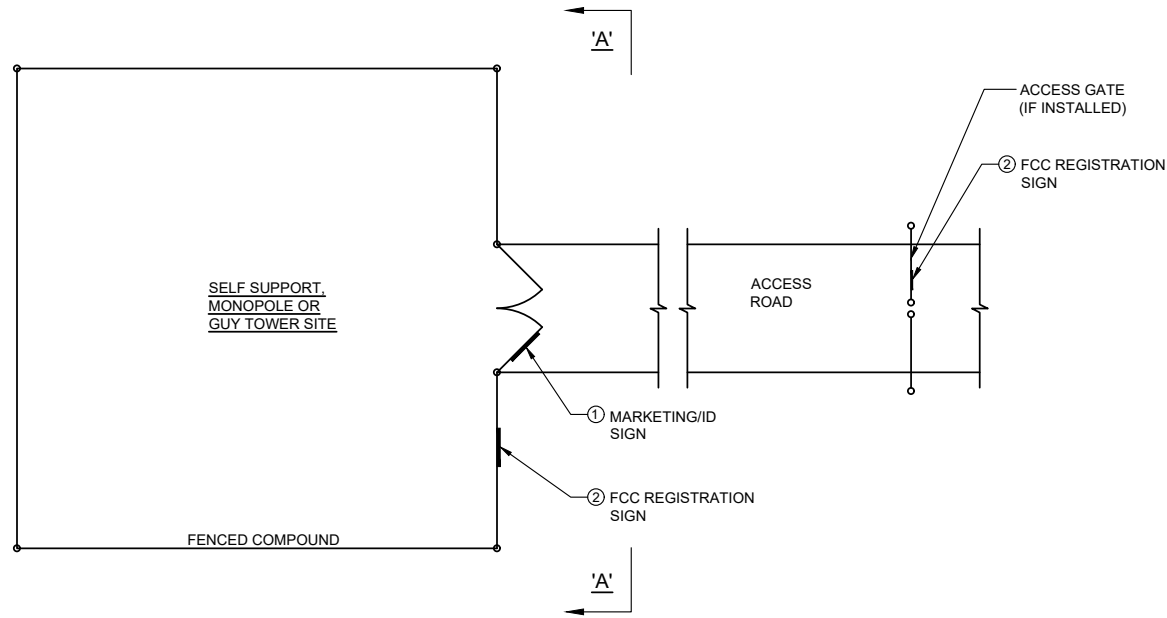
Z-7

REVISION:

3

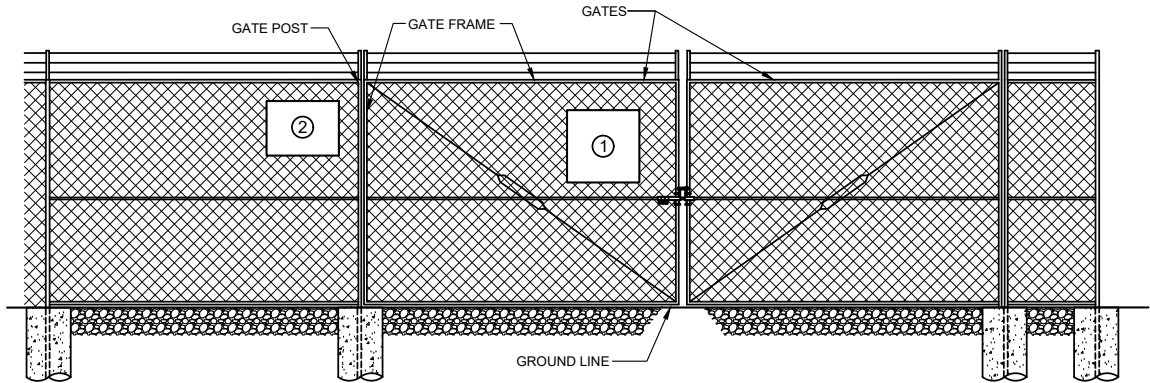
NOTES:

VERIZON WIRELESS SITE ID SIGN, RFE SIGNS, NOC INFORMATION SIGN AND ALL OTHER SIGNAGE NOT REFERENCED IN THIS DRAWING WILL BE FURNISHED AND INSTALLED BY VERIZON WIRELESS PERSONELL PER VERIZON WIRELESS RFC SIGNAGE & DEMARCATION POLICY.



TYPICAL SITE FENCE SIGNAGE PLAN

SCALE: N. T. S.



ELEVATION "A-A"

SCALE: N. T. S.

SITE NUMBER: KY-4170

SITE NAME: LV TURKEYTOWN

SITE ADDRESS: DYSART WAY
CRAB ORCHARD, KY 40419

FCC ASR: TBD

NOC/LEASING/EMERGENCY CONTACT

Log in before entering

(800) 640-1379

www.apctowers.com

PRIVATE PROPERTY- NO TRESPASSING

WHITE BACKGROUND
w/BLACK LETTERING

MARKETING/ID SIGN

24" WIDE x 24" HIGH

1

FCC ANTENNA
STRUCTURE
REGISTRATION

WHITE BACKGROUND
w/BLACK LETTERING

FCC REGISTRATION SIGN

24" WIDE x 18" HIGH

2

PREPARED FOR:



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

PREPARED BY:



1961 NORTHPOINT BLVD, SUITE 130
HIXSON, TN 37343
PH: 423-843-9500
FAX: 423-843-9509

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CHECKED BY: DS

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ROCKCASTLE

LATITUDE:

37° 25' 50.03" N

LONGITUDE:

84° 27' 34.83" W

SITE NUMBER:

KY-4170

SHEET TITLE:

TOWER OWNER SIGNAGE

DRAWING NO.

Z-8

REVISION:

3

EXHIBIT C

**CONSTRUCTION MANAGER LETTER
LIST OF QUALIFIED PROFESSIONALS
TOWER AND FOUNDATION DESIGN**

December, 11, 2025



Matt Bates
Director and Chief Operating Officer
Telecad Wireless Site Design, LLC
1961 Northpoint Blvd, Suite 130
Hixson, TN 37343
matt.bates@telecadeng.com

RE: CM Services

To Whom It May Concern,

My name is Matt Bates and our firm, Telecad Wireless Site Design, LLC, has been tasked with the "Construction Management" for the project listed above. Telecad was founded in 2001, our P.E is licensed in 50 states. We provide construction management and site design for new build and colocation tower sites in the US.

Telecad has worked with APC Towers for the past several years on multiple projects and we are excited to be on this project and working hand in hand with them and further developing our business relationship.

Please do not hesitate to contact me with any questions that you may have. My contact information can be found below.

Cordially,

Matt Bates
Director and Chief Operating Officer
Telecad Wireless Site Design, LLC
matt.bates@telecadeng.com

LV Turkeytown – List of Qualified Professionals

Stephen E. Hunt

Licensed Professional Engineer, License No. 25003

Professional Engineer

TeleCAD Wireless

1961 Northpoint Blvd, Suite 130

Hixson, TN 37343

Travis L. Shields

Licensed Professional Land Surveyor, License No. 4246

Professional Land Surveyor

The Land Consultants, LLC

5820 15th Ave SW

Huntsville, AL 35805

Matt Bates

Construction Manager

TeleCAD Wireless Site Design, LLC

1961 Northpoint Blvd, Suite 130

Hixson, TN 37343

Brad R. Milanowski

Licensed Professional Engineer, License No. 25311

Professional Engineer

B+T Group

1717 S Boulder Ave, Suite 300

Tulsa, OK 74119

Raphael Mohamed

Licensed Professional Engineer, License No. 24429

Professional Engineer

Engineered Tower Solutions, PLLC

3227 Wellington Court

Raleigh, NC 27615

LV Turkeytown – List of Qualified Professionals

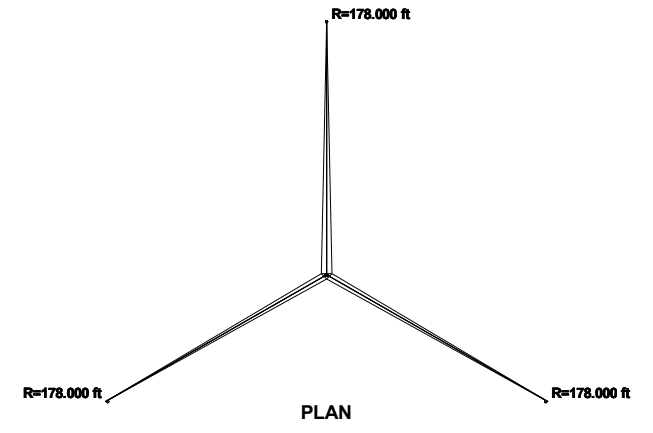
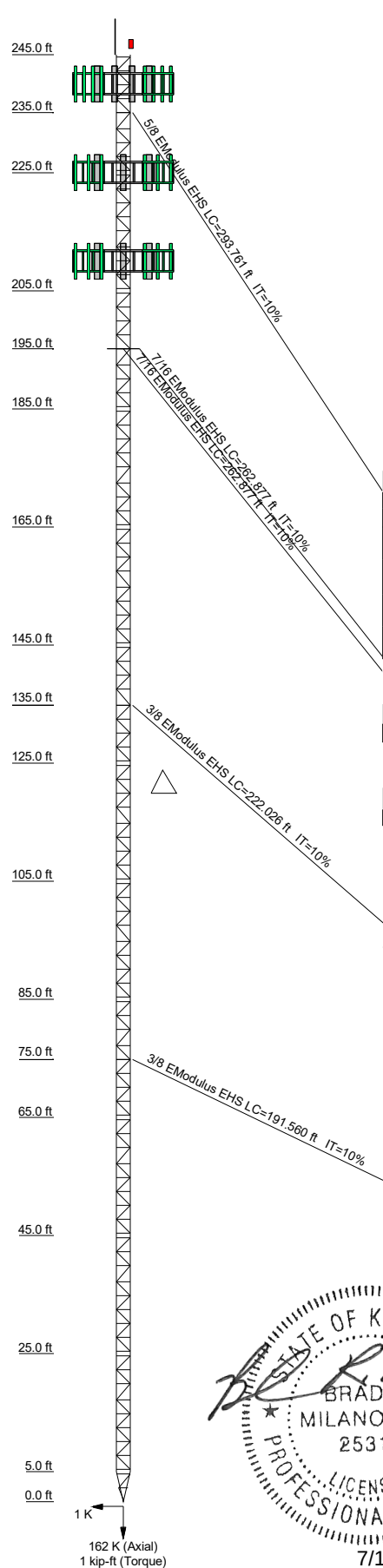
Tyler Schueller
Geotechnical Engineer I
Engineered Tower Solutions, PLLC
3227 Wellington Court
Raleigh, NC 27615

Jorge Varela
Senior Geotechnical Engineer
Engineered Tower Solutions, PLLC
3227 Wellington Court
Raleigh, NC 27615

Steven Belcher
Sr. RF Engineer
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13
Legs							SR 1 3/4						A
Leg Grade							A529-50						
Diagonals													SR 1
Top Girts							A529-50						
Bottom Girts							SR 3/4						
Horizontals							SR 3/4						
Top Guy Pull-Offs													
Face Width (ft)							N.A.						
# Panels @ (ft)							4x5/8						
Weight (K)	10.3	0.3											B

3													
0.9	0.9	1.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
5' Lightning Rod	245	Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	225
Top Beacon	245	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	225
Sector1(CaAa=14000 Sq.in)No Ice (Carrier 1)	240	Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	210
Sector2(CaAa=14000 Sq.in)No Ice (Carrier 1)	240	Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	210
Sector3(CaAa=14000 Sq.in)No Ice (Carrier 1)	240	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	210
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	225		

SYMBOL LIST

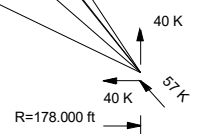
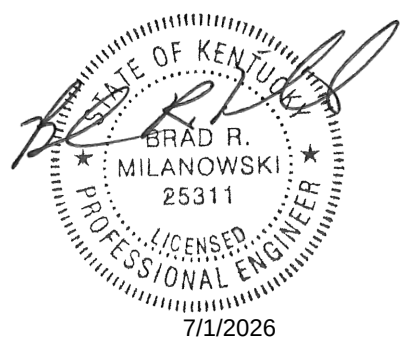
MARK	SIZE	MARK	SIZE
A	SR 2 1/4	B	2 @ 2.11458

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A529-50	50 ksi	65 ksi			

TOWER DESIGN NOTES

- 1. Tower is located in Rockcastle County, Kentucky.
- 2. Tower designed for Exposure C to the TIA-222-H Standard.
- 3. Tower designed for a 105 mph basic wind in accordance with the TIA-222-H Standard.
- 4. Tower is also designed for a 30 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
- 5. Deflections are based upon a 60 mph wind.
- 6. Tower Risk Category II.
- 7. Topographic Category 1 with Crest Height of 0.000 ft
- 8. Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity.



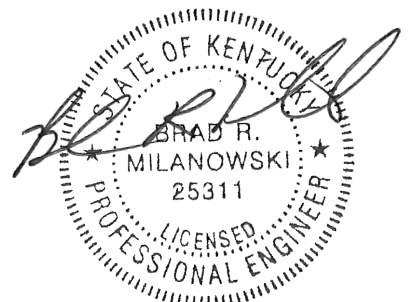
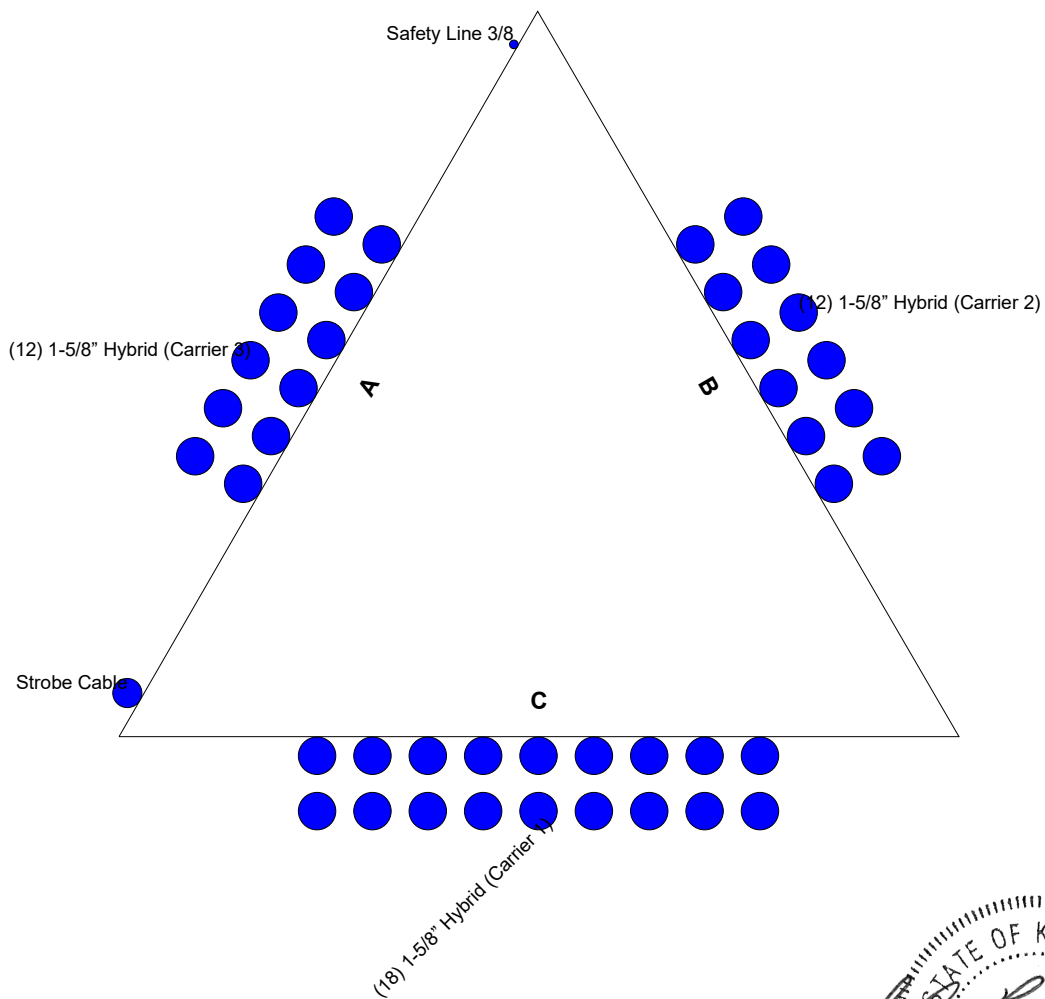
ALL REACTIONS ARE FACTORED



**B+T Group**
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: ATS# C560 - LV Turkey Town (Site# KY-4170)		
Project: 245' 36G/37.43056389, -84.459675		
Client: APC Towers	Drawn by: Coody	App'd:
Code: TIA-222-H	Date: 07/01/26	Scale: NTS
Path:		Dwg No. E-1

Feed Line Plan



7/1/2026

ARCOSA
TELECOM STRUCTURES



B+T Group
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: ATS# C560 - LV Turkey Town (Site# KY-4170)		
Project: 245' 36G/37.43056389, -84.459675		
Client: APC Towers	Drawn by: Coody	App'd:
Code: TIA-222-H	Date: 07/01/26	Scale: NTS
Path:	Dwg No. E-7	

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job AT# C560 - LV Turkey Town (Site# KY-4170)	Page 1 of 46
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	Client APC Towers	Designed by Coody

Tower Input Data

The main tower is a 3x guyed tower with an overall height of 245.000 ft above the ground line.

The base of the tower is set at an elevation of 0.000 ft above the ground line.

The face width of the tower is 3.000 ft at the top and tapered at the base.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Rockcastle County, Kentucky.

Tower base elevation above sea level: 923.000 ft.

Basic wind speed of 105 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.000 ft.

Nominal ice thickness of 1.500 in.

Ice thickness is considered to increase with height.

Ice density of 56.000 pcf.

A wind speed of 30 mph is used in combination with ice.

Temperature drop of 50.000 °F.

Deflections calculated using a wind speed of 60 mph.

Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity..

Pressures are calculated at each section.

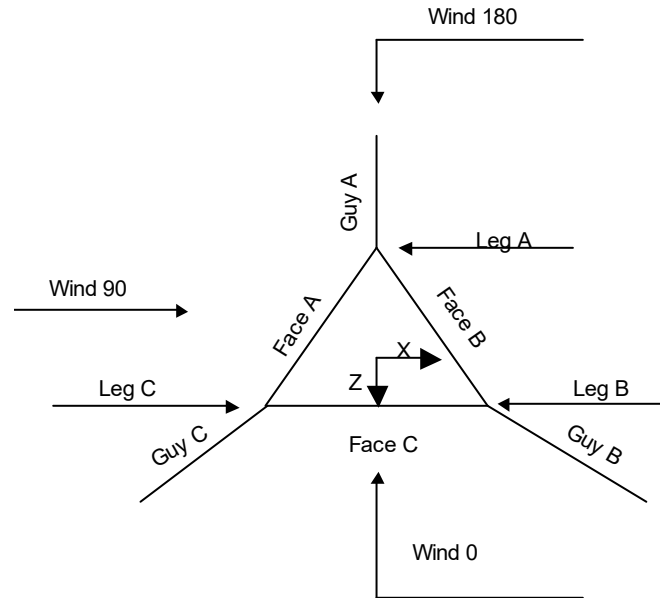
Stress ratio used in tower member design is 1.

Safety factor used in guy design is 1.

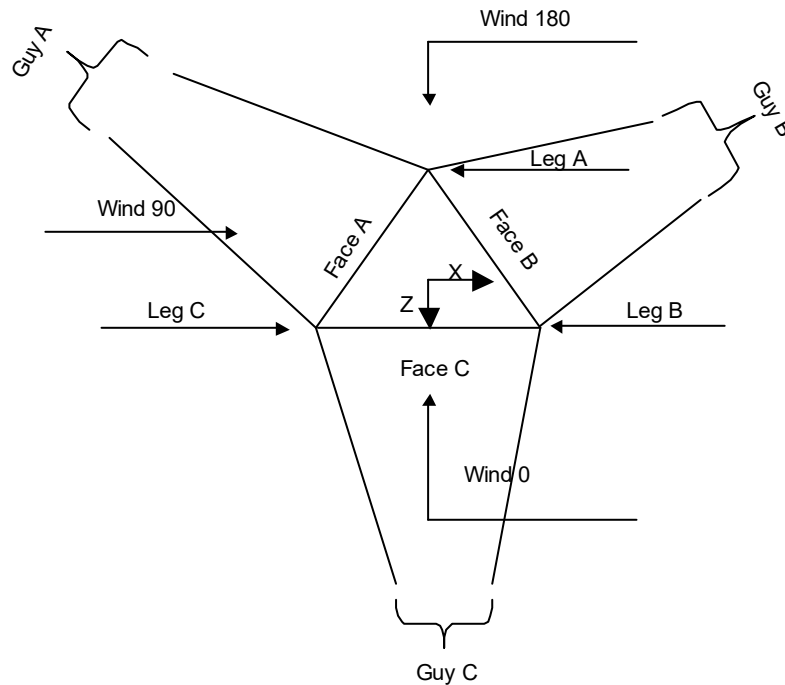
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs	Assume Legs Pinned	√ Calculate Redundant Bracing Forces
Consider Moments - Horizontals	√ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Consider Moments - Diagonals	√ Use Clear Spans For Wind Area	√ SR Leg Bolts Resist Compression
Use Moment Magnification	√ Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
√ Use Code Stress Ratios	√ Retension Guys To Initial Tension	Offset Girt At Foundation
√ Use Code Safety Factors - Guys	√ Bypass Mast Stability Checks	√ Consider Feed Line Torque
Escalate Ice	√ Use Azimuth Dish Coefficients	√ Include Angle Block Shear Check
Always Use Max Kz	√ Project Wind Area of Appurtenances	Use TIA-222-H Bracing Resist. Exemption
Kz In Exposure D Hurricane Region	Alternative Appurt. EPA Calculation	Use TIA-222-H Tension Splice Exemption
√ Include Bolts In Member Capacity	√ Autocalc Torque Arm Areas	Poles
√ Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Include Shear-Torsion Interaction
√ Secondary Horizontal Braces Leg	√ Sort Capacity Reports By Component	Always Use Sub-Critical Flow
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	Use Top Mounted Sockets
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	Pole Without Linear Attachments
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	Pole With Shroud Or No Appurtenances
Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules	Outside and Inside Corner Radii Are Known
Use Special Wind Profile		



Corner & Starmount Guyed Tower

**Face Guyed****Tower Section Geometry**

<i>Tower Section</i>	<i>Tower Elevation</i>	<i>Assembly Database</i>	<i>Description</i>	<i>Section Width</i>	<i>Number of Sections</i>	<i>Section Length</i>
	<i>ft</i>			<i>ft</i>		<i>ft</i>
T1	245.000-225.000			3.000	1	20.000
T2	225.000-205.000			3.000	1	20.000
T3	205.000-185.000			3.000	1	20.000
T4	185.000-165.000			3.000	1	20.000
T5	165.000-145.000			3.000	1	20.000
T6	145.000-125.000			3.000	1	20.000
T7	125.000-105.000			3.000	1	20.000
T8	105.000-85.000			3.000	1	20.000
T9	85.000-65.000			3.000	1	20.000
T10	65.000-45.000			3.000	1	20.000
T11	45.000-25.000			3.000	1	20.000
T12	25.000-5.000			3.000	1	20.000
T13	5.000-0.000			3.000	1	5.000

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	Client	Designed by
	APC Towers	Coody

Tower Section Geometry (cont'd)

<i>Tower Section</i>	<i>Tower Elevation</i>	<i>Diagonal Spacing</i>	<i>Bracing Type</i>	<i>Has K Brace End Panels</i>	<i>Has Horizontals</i>	<i>Top Girt Offset</i>	<i>Bottom Girt Offset</i>
	<i>ft</i>	<i>ft</i>				<i>in</i>	<i>in</i>
T1	245.000-225.000	2.404	K Brace Right	No	Yes	4.625	4.625
T2	225.000-205.000	2.404	K Brace Right	No	Yes	4.625	4.625
T3	205.000-185.000	2.404	K Brace Right	No	Yes	4.625	4.625
T4	185.000-165.000	2.404	K Brace Right	No	Yes	4.625	4.625
T5	165.000-145.000	2.404	K Brace Right	No	Yes	4.625	4.625
T6	145.000-125.000	2.404	K Brace Right	No	Yes	4.625	4.625
T7	125.000-105.000	2.404	K Brace Right	No	Yes	4.625	4.625
T8	105.000-85.000	2.404	K Brace Right	No	Yes	4.625	4.625
T9	85.000-65.000	2.404	K Brace Right	No	Yes	4.625	4.625
T10	65.000-45.000	2.404	K Brace Right	No	Yes	4.625	4.625
T11	45.000-25.000	2.404	K Brace Right	No	Yes	4.625	4.625
T12	25.000-5.000	2.404	K Brace Right	No	Yes	4.625	4.625
T13	5.000-0.000	2.115	K Brace Right	No	Yes	4.625	4.625

Tower Section Geometry (cont'd)

<i>Tower Elevation</i>	<i>Leg Type</i>	<i>Leg Size</i>	<i>Leg Grade</i>	<i>Diagonal Type</i>	<i>Diagonal Size</i>	<i>Diagonal Grade</i>
<i>ft</i>						
T1	Solid Round	1 3/4	A529-50	Solid Round	1	A529-50
245.000-225.000			(50 ksi)			(50 ksi)
T2	Solid Round	1 3/4	A529-50	Solid Round	1	A529-50
225.000-205.000			(50 ksi)			(50 ksi)
T3	Solid Round	1 3/4	A529-50	Solid Round	1	A529-50
205.000-185.000			(50 ksi)			(50 ksi)
T4	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
185.000-165.000			(50 ksi)			(50 ksi)
T5	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
165.000-145.000			(50 ksi)			(50 ksi)
T6	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
145.000-125.000			(50 ksi)			(50 ksi)
T7	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
125.000-105.000			(50 ksi)			(50 ksi)
T8	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
105.000-85.000			(50 ksi)			(50 ksi)
T9	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
85.000-65.000			(50 ksi)			(50 ksi)
T10	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
65.000-45.000			(50 ksi)			(50 ksi)
T11	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
45.000-25.000			(50 ksi)			(50 ksi)
T12	Solid Round	1 3/4	A529-50	Solid Round	.75	A529-50
25.000-5.000			(50 ksi)			(50 ksi)
T13	Solid Round	2 1/4	A529-50	Solid Round	1	A529-50
5.000-0.000			(50 ksi)			(50 ksi)

Tower Section Geometry (cont'd)

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<i>Tower Elevation ft</i>	<i>Top Girt Type</i>	<i>Top Girt Size</i>	<i>Top Girt Grade</i>	<i>Bottom Girt Type</i>	<i>Bottom Girt Size</i>	<i>Bottom Girt Grade</i>
T1	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
245.000-225.000			(50 ksi)			(50 ksi)
T2	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
225.000-205.000			(50 ksi)			(50 ksi)
T3	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
205.000-185.000			(50 ksi)			(50 ksi)
T4	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
185.000-165.000			(50 ksi)			(50 ksi)
T5	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
165.000-145.000			(50 ksi)			(50 ksi)
T6	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
145.000-125.000			(50 ksi)			(50 ksi)
T7	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
125.000-105.000			(50 ksi)			(50 ksi)
T8	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
105.000-85.000			(50 ksi)			(50 ksi)
T9 85.000-65.000	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
			(50 ksi)			(50 ksi)
T10	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
65.000-45.000			(50 ksi)			(50 ksi)
T11	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
45.000-25.000			(50 ksi)			(50 ksi)
T12 25.000-5.000	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
			(50 ksi)			(50 ksi)
T13 5.000-0.000	Solid Round	3/4	A529-50	Solid Round	3/4	A529-50
			(50 ksi)			(50 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation ft</i>	<i>No. of Mid Girts</i>	<i>Mid Girt Type</i>	<i>Mid Girt Size</i>	<i>Mid Girt Grade</i>	<i>Horizontal Type</i>	<i>Horizontal Size</i>	<i>Horizontal Grade</i>
T1	None	Flat Bar		A36	Solid Round	3/4	A529-50
245.000-225.000				(36 ksi)			(50 ksi)
T2	None	Flat Bar		A36	Solid Round	3/4	A529-50
225.000-205.000				(36 ksi)			(50 ksi)
T3	None	Flat Bar		A36	Solid Round	3/4	A529-50
205.000-185.000				(36 ksi)			(50 ksi)
T4	None	Flat Bar		A36	Solid Round	3/4	A529-50
185.000-165.000				(36 ksi)			(50 ksi)
T5	None	Flat Bar		A36	Solid Round	3/4	A529-50
165.000-145.000				(36 ksi)			(50 ksi)
T6	None	Flat Bar		A36	Solid Round	3/4	A529-50
145.000-125.000				(36 ksi)			(50 ksi)
T7	None	Flat Bar		A36	Solid Round	3/4	A529-50
125.000-105.000				(36 ksi)			(50 ksi)
T8	None	Flat Bar		A36	Solid Round	3/4	A529-50
105.000-85.000				(36 ksi)			(50 ksi)
T9 85.000-65.000	None	Flat Bar		A36	Solid Round	3/4	A529-50
				(36 ksi)			(50 ksi)
T10	None	Flat Bar		A36	Solid Round	3/4	A529-50
65.000-45.000				(36 ksi)			(50 ksi)
T11	None	Flat Bar		A36	Solid Round	3/4	A529-50
45.000-25.000				(36 ksi)			(50 ksi)
T12 25.000-5.000	None	Flat Bar		A36	Solid Round	3/4	A529-50

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<i>Tower Elevation</i> <i>ft</i>	<i>No. of Mid Girts</i>	<i>Mid Girt Type</i>	<i>Mid Girt Size</i>	<i>Mid Girt Grade</i>	<i>Horizontal Type</i>	<i>Horizontal Size</i>	<i>Horizontal Grade</i>
T13 5.000-0.000	None	Flat Bar		(36 ksi) A36 (36 ksi)	Solid Round	3/4	(50 ksi) A529-50 (50 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation</i> <i>ft</i>	<i>Gusset Area (per face)</i> <i>ft²</i>	<i>Gusset Thickness</i> <i>in</i>	<i>Gusset Grade</i>	<i>Adjust. Factor A_f</i>	<i>Adjust. Factor A_r</i>	<i>Weight Mult.</i>	<i>Double Angle Stitch Bolt Spacing Diagonals in</i>	<i>Double Angle Stitch Bolt Spacing Horizontals in</i>	<i>Double Angle Stitch Bolt Spacing Redundants in</i>
T1 245.000-225.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T2 225.000-205.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T3 205.000-185.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T4 185.000-165.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T5 165.000-145.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T6 145.000-125.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T7 125.000-105.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T8 105.000-85.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T9 85.000-65.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T10 65.000-45.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T11 45.000-25.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T12 25.000-5.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T13 5.000-0.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000

Tower Section Geometry (cont'd)

K Factors¹

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Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	Legs	X Brace Diags X Y	K Brace Diags X Y	Single Diags X Y	Girts X Y	Horiz. X Y	Sec. Horiz. X Y	Inner Brace X Y
ft										
T1 245.000-225.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T2 225.000-205.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T3 205.000-185.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T4 185.000-165.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T5 165.000-145.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T6 145.000-125.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T7 125.000-105.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T8 105.000-85.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T9 85.000-65.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T10 65.000-45.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T11 45.000-25.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T12 25.000-5.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T13 5.000-0.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1

¹Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.

Tower Section Geometry (cont'd)

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 245.000-225.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T2 225.000-205.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T3 205.000-185.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75

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Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T4 185.000-165.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T5 165.000-145.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T6 145.000-125.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T7 125.000-105.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T8 105.000-85.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T9 85.000-65.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T10 65.000-45.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T11 45.000-25.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T12 25.000-5.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T13 5.000-0.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical	Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	Net Width Deduct in	U	Net Width Deduct in	U
T1 245.000-225.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
T2 225.000-205.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)						0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)						0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
T3 205.000-185.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)

<i>tnxTower</i> <i>B+T Group</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS# C560 - LV Turkey Town (Site# KY-4170)	Page 10 of 46
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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical	Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	Net Width Deduct in	U	Net Width Deduct in	U
T10 65.000-45.000	0.000	0.75 (4)	0.000	0.75 (4)	0.000	0.75	0.000	0.75	0.000	0.75		0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)								0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)								0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)								0.000	0.75 (3)
T11 45.000-25.000	0.000	0.75 (4)	0.000	0.75 (4)	0.000	0.75	0.000	0.75	0.000	0.75		0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)								0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)								0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)								0.000	0.75 (3)
T12 25.000-5.000	0.000	0.75 (4)	0.000	0.75 (4)	0.000	0.75	0.000	0.75	0.000	0.75		0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)								0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)								0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)								0.000	0.75 (3)
T13 5.000-0.000	0.000	0.75 (4)	0.000	0.75 (4)	0.000	0.75	0.000	0.75	0.000	0.75		0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)								0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)								0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)								0.000	0.75 (3)
	0.000	0.75 (2)	0.000	0.75 (2)								0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)								0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)								0.000	0.75 (4)

Tower Section Geometry (cont'd)

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195	EHS	A	7/16	2.080	10%	21000.000	0.399	262.660	178.000	0.000	0.000	100%
		B	EModulus	2.080	10%	21000.000	0.399	262.660	178.000	0.000	0.000	100%
		C	7/16	2.080	10%	21000.000	0.399	262.660	178.000	0.000	0.000	100%
			EModulus									
			7/16									
			EModulus									
235	EHS	A	5/8	4.240	10%	21000.000	0.813	293.517	178.000	0.000	0.000	100%
		B	EModulus	4.240	10%	21000.000	0.813	293.517	178.000	0.000	0.000	100%
		C	5/8	4.240	10%	21000.000	0.813	293.517	178.000	0.000	0.000	100%
			EModulus									
			5/8									
			EModulus									

Guy Data(cont'd)

Guy Elevation ft	Mount Type	Torque-Arm Spread ft	Torque-Arm Leg Angle °	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
75	Corner						
135	Corner						
195	Torque Arm	6.000	0.000	Channel	A529-50 (50 ksi)	Channel	C12x20.7
235	Corner						

Guy Data (cont'd)

Guy Elevation ft	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap.	Pull-Off Grade	Pull-Off Type	Pull-Off Size
75.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
135.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
195.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
235.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8

Guy Data (cont'd)

Guy Elevation ft	Cable Weight A K	Cable Weight B K	Cable Weight C K	Cable Weight D K	Tower Intercept A ft	Tower Intercept B ft	Tower Intercept C ft	Tower Intercept D ft
75	0.052	0.052	0.052		3.229	3.229	3.229	
					3.1 sec/pulse	3.1 sec/pulse	3.1 sec/pulse	
135	0.061	0.061	0.061		4.314	4.314	4.314	
					3.6 sec/pulse	3.6 sec/pulse	3.6 sec/pulse	
195	0.105	0.105	0.105		6.502	6.502	6.502	

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Guy Elevation	Cable Weight A	Cable Weight B	Cable Weight C	Cable Weight D	Tower Intercept A	Tower Intercept B	Tower Intercept C	Tower Intercept D
ft	K	K	K	K	ft	ft	ft	ft
235	0.239	0.239	0.239		4.4 sec/pulse 8.086 4.9 sec/pulse	4.4 sec/pulse 8.086 4.9 sec/pulse	4.4 sec/pulse 8.086 4.9 sec/pulse	

Guy Data (cont'd)

Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Torque Arm		Pull Off		Diagonal	
			K _x	K _y	K _x	K _y	K _x	K _y
75	No	No			0.8	0.8	1	1
135	No	No			0.8	0.8	1	1
195	No	No	1	1	0.8	0.8	1	1
235	No	No			0.8	0.8	1	1

Guy Data (cont'd)

Guy Elevation ft	Torque-Arm				Pull Off				Diagonal			
	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U
75	0.625 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1
135	0.000 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1
195	0.000 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1
235	0.000 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1

Guy Pressures

Guy Elevation ft	Guy Location	z ft	q _z ksf	q _z Ice ksf	Ice Thickness in
75	A	37.500	0.024	0.002	1.519
	B	37.500	0.024	0.002	1.519
	C	37.500	0.024	0.002	1.519
135	A	67.500	0.027	0.002	1.611
	B	67.500	0.027	0.002	1.611
	C	67.500	0.027	0.002	1.611
195	A	97.500	0.029	0.002	1.672
	B	97.500	0.029	0.002	1.672
	C	97.500	0.029	0.002	1.672
235	A	117.500	0.030	0.002	1.703
	B	117.500	0.030	0.002	1.703
	C	117.500	0.030	0.002	1.703

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Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight klf
1-5/8" Hybrid (Carrier 1) **	C	No	No	Ar (CaAa)	240.000 - 10.000	0.000	0	18	9	0.750	1.625		0.001
1-5/8" Hybrid (Carrier 2) **	B	No	No	Ar (CaAa)	225.000 - 10.000	0.000	0	12	6	0.750	1.625		0.001
1-5/8" Hybrid (Carrier 3) **	A	No	No	Ar (CaAa)	210.000 - 10.000	0.000	0	12	6	0.750	1.625		0.001
Safety Line 3/8	A	No	No	Ar (CaAa)	245.000 - 10.000	0.000	0.45	1	1	0.375	0.375		0.000
Strobe Cable **	A	No	No	Ar (CaAa)	245.000 - 10.000	0.000	-0.45	1	1	1.250	1.250		0.001

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _{AA} ft ² /ft	Weight klf
**								

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
T1	245.000-225.000	A	0.000	0.000	3.250	0.000	0.018
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	43.875	0.000	0.281
T2	225.000-205.000	A	0.000	0.000	13.000	0.000	0.081
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T3	205.000-185.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T4	185.000-165.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T5	165.000-145.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T6	145.000-125.000	A	0.000	0.000	42.250	0.000	0.268

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	APC Towers	Coody

<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face</i>	<i>A_R</i>	<i>A_F</i>	<i>C_AA_A In Face</i>	<i>C_AA_A Out Face</i>	<i>Weight K</i>
			ft ²	ft ²	ft ²	ft ²	
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T7	125.000-105.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T8	105.000-85.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T9	85.000-65.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T10	65.000-45.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T11	45.000-25.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T12	25.000-5.000	A	0.000	0.000	31.688	0.000	0.201
		B	0.000	0.000	29.250	0.000	0.187
		C	0.000	0.000	43.875	0.000	0.281
T13	5.000-0.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000

Feed Line/Linear Appurtenances Section Areas - With Ice

<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face or Leg</i>	<i>Ice Thickness in</i>	<i>A_R</i>	<i>A_F</i>	<i>C_AA_A In Face</i>	<i>C_AA_A Out Face</i>	<i>Weight K</i>
				ft ²	ft ²	ft ²	ft ²	
T1	245.000-225.000	A	1.825	0.000	0.000	17.853	0.000	0.254
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	47.724	0.000	1.112
T2	225.000-205.000	A	1.809	0.000	0.000	29.434	0.000	0.506
		B		0.000	0.000	46.843	0.000	1.024
		C		0.000	0.000	63.531	0.000	1.475
T3	205.000-185.000	A	1.792	0.000	0.000	64.310	0.000	1.265
		B		0.000	0.000	46.727	0.000	1.018
		C		0.000	0.000	63.420	0.000	1.467
T4	185.000-165.000	A	1.772	0.000	0.000	64.028	0.000	1.254
		B		0.000	0.000	46.599	0.000	1.012
		C		0.000	0.000	63.300	0.000	1.458
T5	165.000-145.000	A	1.751	0.000	0.000	63.716	0.000	1.242
		B		0.000	0.000	46.459	0.000	1.004
		C		0.000	0.000	63.166	0.000	1.448
T6	145.000-125.000	A	1.727	0.000	0.000	63.366	0.000	1.229
		B		0.000	0.000	46.300	0.000	0.996
		C		0.000	0.000	63.015	0.000	1.437
T7	125.000-105.000	A	1.699	0.000	0.000	62.965	0.000	1.213
		B		0.000	0.000	46.119	0.000	0.986
		C		0.000	0.000	62.844	0.000	1.424
T8	105.000-85.000	A	1.667	0.000	0.000	62.496	0.000	1.196
		B		0.000	0.000	45.907	0.000	0.975
		C		0.000	0.000	62.643	0.000	1.410
T9	85.000-65.000	A	1.628	0.000	0.000	61.928	0.000	1.175
		B		0.000	0.000	45.651	0.000	0.962
		C		0.000	0.000	62.400	0.000	1.392
T10	65.000-45.000	A	1.579	0.000	0.000	61.203	0.000	1.148
		B		0.000	0.000	45.324	0.000	0.945

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Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	C_{AA} In Face ft ²	C_{AA} Out Face ft ²	Weight K
T11	45.000-25.000	C	1.509	0.000	0.000	62.090	0.000	1.370
		A		0.000	0.000	60.187	0.000	1.111
		B		0.000	0.000	44.867	0.000	0.922
T12	25.000-5.000	C	1.386	0.000	0.000	61.656	0.000	1.339
		A		0.000	0.000	43.803	0.000	0.786
		B		0.000	0.000	33.048	0.000	0.661
T13	5.000-0.000	C	1.159	0.000	0.000	45.671	0.000	0.963
		A		0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000

Feed Line Center of Pressure

Section	Elevation ft	CP_x in	CP_z in	CP_x Ice in	CP_z Ice in
T1	245.000-225.000	-0.628	2.516	-0.926	0.644
T2	225.000-205.000	0.830	-1.149	0.093	-0.611
T3	205.000-185.000	-0.386	-2.188	-0.699	-1.226
T4	185.000-165.000	-0.404	-2.294	-0.757	-1.341
T5	165.000-145.000	-0.404	-2.294	-0.759	-1.353
T6	145.000-125.000	-0.391	-2.217	-0.719	-1.289
T7	125.000-105.000	-0.404	-2.294	-0.762	-1.382
T8	105.000-85.000	-0.404	-2.294	-0.764	-1.400
T9	85.000-65.000	-0.391	-2.217	-0.726	-1.346
T10	65.000-45.000	-0.404	-2.294	-0.767	-1.448
T11	45.000-25.000	-0.404	-2.294	-0.768	-1.487
T12	25.000-5.000	-0.377	-2.110	-0.678	-1.360
T13	5.000-0.000	0.000	0.000	0.000	0.000

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	1	1-5/8" Hybrid	225.00 - 240.00	0.6000	0.4119
T1	7	Safety Line 3/8	225.00 - 245.00	0.6000	0.4119
T1	8	Strobe Cable	225.00 - 245.00	0.6000	0.4119
T2	1	1-5/8" Hybrid	205.00 - 225.00	0.6000	0.4415
T2	3	1-5/8" Hybrid	205.00 - 225.00	0.6000	0.4415
T2	5	1-5/8" Hybrid	205.00 - 210.00	0.6000	0.4415
T2	7	Safety Line 3/8	205.00 - 225.00	0.6000	0.4415
T2	8	Strobe Cable	205.00 - 225.00	0.6000	0.4415
T3	1	1-5/8" Hybrid	185.00 -	0.6000	0.4189

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	APC Towers	Coody

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
			205.00		
T3	3	1-5/8" Hybrid	185.00 - 205.00	0.6000	0.4189
T3	5	1-5/8" Hybrid	185.00 - 205.00	0.6000	0.4189
T3	7	Safety Line 3/8	185.00 - 205.00	0.6000	0.4189
T3	8	Strobe Cable	185.00 - 205.00	0.6000	0.4189
T4	1	1-5/8" Hybrid	165.00 - 185.00	0.6000	0.4578
T4	3	1-5/8" Hybrid	165.00 - 185.00	0.6000	0.4578
T4	5	1-5/8" Hybrid	165.00 - 185.00	0.6000	0.4578
T4	7	Safety Line 3/8	165.00 - 185.00	0.6000	0.4578
T4	8	Strobe Cable	165.00 - 185.00	0.6000	0.4578
T5	1	1-5/8" Hybrid	145.00 - 165.00	0.6000	0.4622
T5	3	1-5/8" Hybrid	145.00 - 165.00	0.6000	0.4622
T5	5	1-5/8" Hybrid	145.00 - 165.00	0.6000	0.4622
T5	7	Safety Line 3/8	145.00 - 165.00	0.6000	0.4622
T5	8	Strobe Cable	145.00 - 165.00	0.6000	0.4622
T6	1	1-5/8" Hybrid	125.00 - 145.00	0.6000	0.4413
T6	3	1-5/8" Hybrid	125.00 - 145.00	0.6000	0.4413
T6	5	1-5/8" Hybrid	125.00 - 145.00	0.6000	0.4413
T6	7	Safety Line 3/8	125.00 - 145.00	0.6000	0.4413
T6	8	Strobe Cable	125.00 - 145.00	0.6000	0.4413
T7	1	1-5/8" Hybrid	105.00 - 125.00	0.6000	0.4727
T7	3	1-5/8" Hybrid	105.00 - 125.00	0.6000	0.4727
T7	5	1-5/8" Hybrid	105.00 - 125.00	0.6000	0.4727
T7	7	Safety Line 3/8	105.00 - 125.00	0.6000	0.4727
T7	8	Strobe Cable	105.00 - 125.00	0.6000	0.4727
T8	1	1-5/8" Hybrid	85.00 - 105.00	0.6000	0.4793
T8	3	1-5/8" Hybrid	85.00 - 105.00	0.6000	0.4793
T8	5	1-5/8" Hybrid	85.00 - 105.00	0.6000	0.4793
T8	7	Safety Line 3/8	85.00 - 105.00	0.6000	0.4793
T8	8	Strobe Cable	85.00 - 105.00	0.6000	0.4793
T9	1	1-5/8" Hybrid	65.00 - 85.00	0.6000	0.4621
T9	3	1-5/8" Hybrid	65.00 - 85.00	0.6000	0.4621
T9	5	1-5/8" Hybrid	65.00 - 85.00	0.6000	0.4621
T9	7	Safety Line 3/8	65.00 - 85.00	0.6000	0.4621
T9	8	Strobe Cable	65.00 - 85.00	0.6000	0.4621
T10	1	1-5/8" Hybrid	45.00 - 65.00	0.6000	0.4977
T10	3	1-5/8" Hybrid	45.00 - 65.00	0.6000	0.4977
T10	5	1-5/8" Hybrid	45.00 - 65.00	0.6000	0.4977

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	Client APC Towers	Designed by Coody

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T10	7	Safety Line 3/8	45.00 - 65.00	0.6000	0.4977
T10	8	Strobe Cable	45.00 - 65.00	0.6000	0.4977
T11	1	1-5/8" Hybrid	25.00 - 45.00	0.6000	0.5122
T11	3	1-5/8" Hybrid	25.00 - 45.00	0.6000	0.5122
T11	5	1-5/8" Hybrid	25.00 - 45.00	0.6000	0.5122
T11	7	Safety Line 3/8	25.00 - 45.00	0.6000	0.5122
T11	8	Strobe Cable	25.00 - 45.00	0.6000	0.5122
T12	1	1-5/8" Hybrid	10.00 - 25.00	0.6000	0.5380
T12	3	1-5/8" Hybrid	10.00 - 25.00	0.6000	0.5380
T12	5	1-5/8" Hybrid	10.00 - 25.00	0.6000	0.5380
T12	7	Safety Line 3/8	10.00 - 25.00	0.6000	0.5380
T12	8	Strobe Cable	10.00 - 25.00	0.6000	0.5380

Discrete Tower Loads

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert</i> <i>ft</i> <i>ft</i> <i>ft</i>	<i>Azimuth Adjustment</i> <i>°</i>	<i>Placement</i> <i>ft</i>	<i>C_AA_A Front</i> <i>ft²</i>	<i>C_AA_A Side</i> <i>ft²</i>	<i>Weight</i> <i>K</i>
5' Lightning Rod	C	From Leg	0.000 0.000 3.000	0.000	245.000	No Ice 1.000 1/2" Ice 2.017 1" Ice 3.050 2" Ice 5.148	1.000 2.017 3.050 5.148	0.040 0.049 0.065 0.116
Top Beacon	B	From Leg	0.000 0.000 1.000	0.000	245.000	No Ice 2.700 1/2" Ice 3.100 1" Ice 3.500 2" Ice 4.300	2.700 3.100 3.500 4.300	0.050 0.070 0.090 0.130
**								
Sector1(CaAa=14000 Sq.in)No Ice (Carrier 1)	A	From Leg	4.000 0.000 0.000	0.000	240.000	No Ice 97.222 1/2" Ice 121.527 1" Ice 145.832 2" Ice 194.442	65.138 81.423 97.708 130.278	0.700 1.400 2.100 3.500
Sector2(CaAa=14000 Sq.in)No Ice (Carrier 1)	B	From Leg	4.000 0.000 0.000	0.000	240.000	No Ice 97.222 1/2" Ice 121.527 1" Ice 145.832 2" Ice 194.442	65.138 81.423 97.708 130.278	0.700 1.400 2.100 3.500
Sector3(CaAa=14000 Sq.in)No Ice (Carrier 1)	C	From Leg	4.000 0.000 0.000	0.000	240.000	No Ice 97.222 1/2" Ice 121.527 1" Ice 145.832 2" Ice 194.442	65.138 81.423 97.708 130.278	0.700 1.400 2.100 3.500
**								
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	A	From Leg	4.000 0.000 0.000	0.000	225.000	No Ice 69.444 1/2" Ice 86.805 1" Ice 104.166 2" Ice 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	B	From Leg	4.000 0.000 0.000	0.000	225.000	No Ice 69.444 1/2" Ice 86.805 1" Ice 104.166 2" Ice 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	C	From Leg	4.000 0.000 0.000	0.000	225.000	No Ice 69.444 1/2" Ice 86.805 1" Ice 104.166	46.527 58.159 69.791	0.700 1.400 2.100

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	APC Towers	Coody

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
						2" Ice	138.888	93.055	3.500
**									
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	A	From Leg	4.000 0.000 0.000	0.000	210.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	B	From Leg	4.000 0.000 0.000	0.000	210.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	C	From Leg	4.000 0.000 0.000	0.000	210.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
**									

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy
4	1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy
5	1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy
6	1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy
7	1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy
8	1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy
9	1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy
10	1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy
11	1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy
12	1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy
13	1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy
14	1.2 Dead+1.0 Ice+1.0 Temp+Guy
15	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
16	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
17	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
18	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
19	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	Dead+Wind 0 deg - Service+Guy
28	Dead+Wind 30 deg - Service+Guy
29	Dead+Wind 60 deg - Service+Guy
30	Dead+Wind 90 deg - Service+Guy
31	Dead+Wind 120 deg - Service+Guy

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Comb. No.	Description
32	Dead+Wind 150 deg - Service+Guy
33	Dead+Wind 180 deg - Service+Guy
34	Dead+Wind 210 deg - Service+Guy
35	Dead+Wind 240 deg - Service+Guy
36	Dead+Wind 270 deg - Service+Guy
37	Dead+Wind 300 deg - Service+Guy
38	Dead+Wind 330 deg - Service+Guy

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T1	245 - 225	Leg	Max Tension	9	9.289	-0.012	0.023
			Max. Compression	3	-20.758	0.101	-0.249
			Max. Mx	5	-7.784	-0.467	-0.020
			Max. My	13	-10.196	0.206	0.393
			Max. Vy	11	-2.147	0.162	-0.015
			Max. Vx	3	-2.104	-0.069	0.146
		Diagonal	Max Tension	5	7.216	0.000	0.000
			Max. Compression	11	-7.223	0.000	0.000
			Max. Mx	20	-0.387	0.014	0.000
			Max. My	11	-0.061	0.000	0.000
			Max. Vy	20	-0.014	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Horizontal	Max Tension	3	2.482	0.000	0.000
			Max. Compression	9	-2.523	0.000	0.000
			Max. Mx	21	0.067	0.008	0.000
			Max. My	11	2.470	0.000	0.000
			Max. Vy	21	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Top Girt	Max Tension	9	0.077	0.000	0.000
			Max. Compression	3	-0.079	0.000	0.000
			Max. Mx	21	-0.004	0.008	0.000
			Max. My	11	0.042	0.000	0.000
			Max. Vy	21	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Bottom Girt	Max Tension	5	1.701	0.000	0.000
			Max. Compression	11	-1.620	0.000	0.000
			Max. Mx	15	0.131	0.008	0.000
			Max. My	11	0.668	0.000	0.000
			Max. Vy	15	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Guy A	Bottom Tension	9	22.305		
			Top Tension	9	22.492		
			Top Cable Vert	9	18.051		
			Top Cable Norm	9	13.419		
			Top Cable Tan	9	0.047		
			Bot Cable Vert	9	-17.644		
		Guy B	Bot Cable Norm	9	13.643		
			Bot Cable Tan	9	0.250		
			Bottom Tension	13	22.048		
			Top Tension	13	22.236		
			Top Cable Vert	13	17.848		
			Top Cable Norm	13	13.262		
			Top Cable Tan	13	0.043		
			Bot Cable Vert	13	-17.441		
			Bot Cable Norm	13	13.487		
			Bot Cable Tan	13	0.245		

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T2	225 - 205	Guy C	Bottom Tension	3	22.265		
			Top Tension	3	22.452		
			Top Cable Vert	3	18.019		
			Top Cable Norm	3	13.394		
			Top Cable Tan	3	0.047		
			Bot Cable Vert	3	-17.613		
			Bot Cable Norm	3	13.619		
			Bot Cable Tan	3	0.249		
		Top Guy Pull-Off	Max Tension	9	6.615	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	15	2.630	0.026	0.000
			Max. My	11	0.467	0.000	0.000
			Max. Vy	15	-0.035	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	6	-24.519	0.023	-0.043
			Max. Mx	5	-21.574	1.310	-0.472
			Max. My	9	-21.617	-0.303	1.357
			Max. Vy	11	-3.369	0.023	-0.026
			Max. Vx	9	3.414	-0.303	1.357
		Diagonal	Max Tension	11	10.522	0.000	0.000
			Max. Compression	5	-10.691	0.000	0.000
			Max. Mx	20	1.551	0.014	0.000
			Max. My	11	1.672	0.000	0.000
			Max. Vy	20	-0.014	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Horizontal	Max Tension	3	1.667	0.000	0.000
			Max. Compression	9	-1.525	0.000	0.000
			Max. Mx	15	0.179	0.008	0.000
			Max. My	11	0.104	0.000	0.000
			Max. Vy	15	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Top Girt	Max Tension	11	1.265	0.000	0.000
			Max. Compression	5	-1.271	0.000	0.000
			Max. Mx	15	0.081	0.008	0.000
			Max. My	11	1.265	0.000	0.000
			Max. Vy	15	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Bottom Girt	Max Tension	5	3.855	0.000	0.000
			Max. Compression	11	-3.523	0.000	0.000
			Max. Mx	21	0.261	0.008	0.000
			Max. My	11	-3.523	0.000	0.000
			Max. Vy	21	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
T3	205 - 185	Leg	Max Tension	8	19.820	0.023	0.005
			Max. Compression	2	-51.783	0.144	-0.001
			Max. Mx	11	0.931	1.322	-0.426
			Max. My	3	0.571	-0.337	1.345
			Max. Vy	11	-3.370	1.322	-0.426
			Max. Vx	9	3.418	0.365	-1.276
		Diagonal	Max Tension	5	10.590	0.000	0.000
			Max. Compression	11	-10.731	0.000	0.000
			Max. Mx	22	1.583	0.013	0.000
			Max. My	5	0.909	0.000	-0.000
			Max. Vy	22	0.014	0.000	0.000
			Max. Vx	5	0.000	0.000	0.000
		Horizontal	Max Tension	3	1.011	0.000	0.000
			Max. Compression	9	-0.984	0.000	0.000
			Max. Mx	15	0.123	0.008	0.000
			Max. My	11	0.993	0.000	0.000
			Max. Vy	15	-0.011	0.000	0.000

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T4	185 - 165	Top Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	11	3.610	0.000	0.000
			Max. Compression	5	-3.802	0.000	0.000
			Max. Mx	15	0.277	0.008	0.000
			Max. My	11	3.610	0.000	0.000
			Max. Vy	15	-0.011	0.000	0.000
		Bottom Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	1.526	0.000	0.000
			Max. Compression	7	-1.460	0.000	0.000
			Max. Mx	15	0.173	0.008	0.000
			Max. My	11	0.224	0.000	0.000
			Max. Vy	15	-0.011	0.000	0.000
		Guy A	Max. Vx	11	-0.000	0.000	0.000
			Bottom Tension	9	10.847		
			Top Tension	9	10.923		
			Top Cable Vert	9	8.144		
			Top Cable Norm	9	7.279		
			Top Cable Tan	9	0.005		
		Guy B	Bot Cable Vert	9	-7.939		
			Bot Cable Norm	9	7.390		
			Bot Cable Tan	9	0.117		
			Bottom Tension	13	10.730		
			Top Tension	13	10.806		
			Top Cable Vert	13	8.058		
		Guy C	Top Cable Norm	13	7.200		
			Top Cable Tan	13	0.003		
			Bot Cable Vert	13	-7.853		
			Bot Cable Norm	13	7.311		
			Bot Cable Tan	13	0.115		
			Bottom Tension	3	10.857		
		Top Guy Pull-Off	Top Tension	3	10.933		
			Top Cable Vert	3	8.152		
			Top Cable Norm	3	7.286		
			Top Cable Tan	3	0.005		
			Bot Cable Vert	3	-7.946		
			Bot Cable Norm	3	7.397		
		Torque Arm Top	Bot Cable Tan	3	0.117		
			Max Tension	3	5.723	0.000	0.000
			Max. Compression	9	-5.570	0.000	0.000
			Max. Mx	15	-0.693	0.026	0.000
			Max. My	11	-3.148	0.000	0.000
			Max. Vy	15	-0.034	0.000	0.000
		Leg	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	3	8.162	0.000	0.000
			Max. Compression	3	-3.995	0.000	0.000
			Max. Mx	9	0.541	-24.739	-0.000
			Max. My	11	-1.256	-11.148	-0.000
			Max. Vy	9	8.284	-24.739	-0.000
		Diagonal	Max. Vx	11	-0.000	-11.148	-0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	10	-42.748	-0.194	0.241
			Max. Mx	11	-16.526	-0.469	-0.033
			Max. My	7	-17.749	0.246	0.504
			Max. Vy	5	-1.170	-0.093	-0.016
			Max. Vx	13	1.313	0.036	0.093
			Max Tension	13	2.832	0.000	0.000
			Max. Compression	7	-3.077	0.000	0.000
			Max. Mx	18	-0.187	0.010	0.000
			Max. My	11	1.579	0.000	0.000
			Max. Vy	18	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000

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	APC Towers	Coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T5	165 - 145	Horizontal	Max Tension	7	0.527	0.000	0.000
			Max. Compression	13	-0.308	0.000	0.000
			Max. Mx	23	0.177	0.008	0.000
			Max. My	11	-0.014	0.000	0.000
			Max. Vy	14	-0.011	0.000	0.000
		Top Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	1.481	0.000	0.000
			Max. Compression	13	-1.335	0.000	0.000
			Max. Mx	15	-0.020	0.008	0.000
			Max. My	11	-0.072	0.000	0.000
		Bottom Girt	Max. Vy	15	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	0.836	0.000	0.000
			Max. Compression	7	-0.737	0.000	0.000
			Max. Mx	23	0.129	0.008	0.000
		Leg	Max. My	11	-0.203	0.000	0.000
			Max. Vy	23	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	19	-37.426	0.054	-0.097
		Diagonal	Max. Mx	13	-30.410	-0.335	-0.165
			Max. My	9	-31.036	0.019	0.357
			Max. Vy	13	-0.677	-0.335	-0.165
			Max. Vx	9	0.769	0.045	0.060
			Max Tension	7	2.072	0.000	0.000
		Horizontal	Max. Compression	13	-2.465	0.000	0.000
			Max. Mx	18	0.005	0.010	0.000
			Max. My	11	0.821	0.000	0.000
			Max. Vy	18	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Top Girt	Max Tension	13	0.420	0.000	0.000
			Max. Compression	13	-0.146	0.000	0.000
			Max. Mx	14	0.187	0.008	0.000
			Max. My	11	0.130	0.000	0.000
			Max. Vy	14	0.011	0.000	0.000
		Bottom Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	0.762	0.000	0.000
			Max. Compression	13	-0.643	0.000	0.000
			Max. Mx	23	0.028	0.008	0.000
			Max. My	11	0.366	0.000	0.000
T6	145 - 125	Leg	Max. Vy	23	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	19	-41.360	-0.089	0.154
			Max. Mx	5	-22.009	-0.426	-0.063
		Diagonal	Max. My	13	-25.553	0.176	0.436
			Max. Vy	5	-0.899	-0.426	-0.063
			Max. Vx	13	0.945	0.176	0.436
			Max Tension	13	2.322	0.000	0.000
			Max. Compression	13	-2.619	0.000	0.000
		Horizontal	Max. Mx	22	0.145	0.010	0.000
			Max. My	16	-0.222	0.000	0.000
			Max. Vy	22	0.011	0.000	0.000
			Max. Vx	16	0.000	0.000	0.000
			Max Tension	7	0.526	0.000	0.000

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	Client	Designed by
	APC Towers	Coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T7	125 - 105	Top Girt	Max. Compression	13	-0.048	0.000	0.000
			Max. Mx	23	0.174	0.008	0.000
			Max. My	11	0.268	0.000	0.000
			Max. Vy	23	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	0.890	0.000	0.000
			Max. Compression	13	-0.811	0.000	0.000
			Max. Mx	23	0.069	0.008	0.000
			Max. My	11	0.810	0.000	0.000
			Max. Vy	23	-0.011	0.000	0.000
		Bottom Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	1.107	0.000	0.000
			Max. Compression	7	-1.000	0.000	0.000
			Max. Mx	19	0.176	0.008	0.000
			Max. My	11	0.397	0.000	0.000
			Max. Vy	19	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Guy A	Bottom Tension	9	7.356		
			Top Tension	9	7.392		
			Top Cable Vert	9	4.525		
			Top Cable Norm	9	5.844		
			Top Cable Tan	9	0.001		
			Bot Cable Vert	9	-4.407		
			Bot Cable Norm	9	5.889		
			Bot Cable Tan	9	0.068		
		Guy B	Bottom Tension	13	7.342		
			Top Tension	13	7.378		
			Top Cable Vert	13	4.517		
			Top Cable Norm	13	5.834		
			Top Cable Tan	13	0.001		
			Bot Cable Vert	13	-4.399		
			Bot Cable Norm	13	5.878		
			Bot Cable Tan	13	0.068		
		Guy C	Bottom Tension	3	7.363		
			Top Tension	3	7.399		
			Top Cable Vert	3	4.530		
			Top Cable Norm	3	5.851		
			Top Cable Tan	3	0.001		
			Bot Cable Vert	3	-4.411		
			Bot Cable Norm	3	5.895		
			Bot Cable Tan	3	0.069		
		Top Guy Pull-Off	Max Tension	7	2.978	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	17	1.562	0.025	0.000
			Max. My	11	0.334	0.000	0.000
			Max. Vy	17	-0.034	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-43.783	-0.133	0.001
			Max. Mx	11	-22.364	-0.400	-0.020
			Max. My	7	-24.446	0.201	0.399
		Diagonal	Max. Vy	5	-0.904	-0.080	-0.006
			Max. Vx	13	0.950	0.038	0.072
			Max Tension	2	1.808	0.000	0.000
			Max. Compression	7	-2.057	0.000	0.000
			Max. Mx	16	-0.251	0.010	0.000
			Max. My	16	-0.367	0.000	0.000
			Max. Vy	16	-0.010	0.000	0.000
			Max. Vx	16	0.000	0.000	0.000
		Horizontal	Max Tension	7	0.469	0.000	0.000
			Max. Compression	13	-0.206	0.000	0.000

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	APC Towers	Coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T8	105 - 85	Top Girt	Max. Mx	19	0.218	0.008	0.000
			Max. My	11	-0.026	0.000	0.000
			Max. Vy	19	0.010	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	1.040	0.000	0.000
			Max. Compression	13	-0.897	0.000	0.000
			Max. Mx	19	0.004	0.008	0.000
			Max. My	11	-0.221	0.000	0.000
			Max. Vy	19	0.010	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	5	0.427	0.000	0.000
			Max. Compression	11	-0.316	0.000	0.000
		Bottom Girt	Max. Mx	25	0.088	0.008	0.000
			Max. My	13	0.162	0.000	-0.000
			Max. Vy	25	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-45.381	-0.139	0.001
			Max. Mx	5	-25.925	0.270	-0.141
			Max. My	9	-24.385	-0.046	0.327
			Max. Vy	5	0.599	0.039	-0.070
			Max. Vx	9	0.663	0.040	0.072
			Max Tension	3	1.589	0.000	0.000
			Max. Compression	13	-1.999	0.000	0.000
		Diagonal	Max. Mx	16	0.001	0.010	0.000
			Max. My	16	-0.270	0.000	0.000
			Max. Vy	16	0.010	0.000	0.000
			Max. Vx	16	0.000	0.000	0.000
			Max Tension	9	0.399	0.000	0.000
			Max. Compression	2	-0.093	0.000	0.000
			Max. Mx	25	0.194	0.008	0.000
			Max. My	13	0.396	0.000	-0.000
			Max. Vy	25	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	11	0.368	0.000	0.000
			Max. Compression	5	-0.234	0.000	0.000
		Horizontal	Max. Mx	25	0.086	0.008	0.000
			Max. My	13	-0.097	0.000	-0.000
			Max. Vy	25	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	9	0.667	0.000	0.000
			Max. Compression	3	-0.558	0.000	0.000
			Max. Mx	14	0.110	0.008	0.000
			Max. My	13	0.667	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-50.195	-0.153	0.002
T9	85 - 65	Leg	Max. Mx	5	-27.606	-0.394	-0.035
			Max. My	2	-36.028	0.019	0.443
			Max. Vy	5	-0.804	-0.394	-0.035
			Max. Vx	2	0.941	0.019	0.443
			Max Tension	7	2.066	0.000	0.000
			Max. Compression	7	-2.520	0.000	0.000
		Diagonal	Max. Mx	16	-0.639	0.009	0.000
			Max. My	16	-0.440	0.000	0.000
			Max. Vy	16	0.010	0.000	0.000
			Max. Vx	16	0.000	0.000	0.000
			Max Tension	7	0.576	0.000	0.000
			Max. Compression	8	-0.033	0.000	0.000
		Horizontal	Max. Mx	14	0.232	0.007	0.000

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	APC Towers	Coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T10	65 - 45	Top Girt	Max. My	13	-0.006	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	3	0.750	0.000	0.000
			Max. Compression	9	-0.595	0.000	0.000
			Max. Mx	14	0.074	0.007	0.000
		Bottom Girt	Max. My	13	-0.593	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	8	1.068	0.000	0.000
			Max. Compression	2	-0.896	0.000	0.000
			Max. Mx	14	0.127	0.007	0.000
		Guy A	Max. My	13	-0.659	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Bottom Tension	7	6.824		
			Top Tension	7	6.844		
			Top Cable Vert	7	2.706		
		Guy B	Top Cable Norm	7	6.287		
			Top Cable Tan	7	0.001		
			Bot Cable Vert	7	-2.626		
			Bot Cable Norm	7	6.298		
			Bot Cable Tan	7	0.045		
			Bottom Tension	13	6.833		
		Guy C	Top Tension	13	6.854		
			Top Cable Vert	13	2.710		
			Top Cable Norm	13	6.295		
			Top Cable Tan	13	0.001		
			Bot Cable Vert	13	-2.630		
			Bot Cable Norm	13	6.307		
		Top Guy Pull-Off	Bot Cable Tan	13	0.045		
			Bottom Tension	3	6.825		
			Top Tension	3	6.845		
			Top Cable Vert	3	2.706		
			Top Cable Norm	3	6.287		
			Top Cable Tan	3	0.001		
		Leg	Bot Cable Vert	3	-2.627		
			Bot Cable Norm	3	6.299		
			Bot Cable Tan	3	0.045		
			Max Tension	7	3.262	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	14	1.961	0.024	0.000
		Diagonal	Max. My	13	3.087	0.000	-0.000
			Max. Vy	14	-0.032	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-53.737	-0.161	0.003
			Max. Mx	11	-27.864	-0.382	-0.036
		Horizontal	Max. My	8	-21.906	-0.010	0.397
			Max. Vy	5	-0.812	-0.084	0.003
			Max. Vx	2	0.952	0.058	0.081
			Max Tension	7	2.013	0.000	0.000
			Max. Compression	13	-2.239	0.000	0.000
			Max. Mx	16	-0.364	0.009	0.000
			Max. My	13	-0.552	0.000	0.000
			Max. Vy	16	0.009	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
			Max Tension	8	0.460	0.000	0.000
			Max. Compression	2	-0.194	0.000	0.000
			Max. Mx	14	0.217	0.007	0.000
			Max. My	13	0.149	0.000	-0.000

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	APC Towers	Coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T11	45 - 25	Top Girt	Max. Vy	14	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	2	0.952	0.000	0.000
			Max. Compression	8	-0.865	0.000	0.000
		Bottom Girt	Max. Mx	14	0.066	0.007	0.000
			Max. My	13	0.736	0.000	-0.000
			Max. Vy	14	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	8	0.412	0.000	0.000
			Max. Compression	11	-0.207	0.000	0.000
			Max. Mx	23	0.163	0.007	0.000
			Max. My	13	-0.168	0.000	-0.000
		Leg	Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-55.054	-0.167	0.003
			Max. Mx	20	-54.203	0.238	0.000
			Max. My	7	-31.606	0.124	0.266
			Max. Vy	6	0.398	0.052	-0.068
			Max. Vx	2	-0.500	0.068	0.077
			Max Tension	2	0.839	0.000	0.000
			Max. Compression	6	-1.216	0.000	0.000
		Diagonal	Max. Mx	16	-0.079	0.009	0.000
			Max. My	13	0.508	0.000	0.000
			Max. Vy	16	0.009	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
		Horizontal	Max Tension	7	0.378	0.000	0.000
			Max. Compression	2	-0.067	0.000	0.000
			Max. Mx	23	0.265	0.007	0.000
			Max. My	13	0.295	0.000	-0.000
			Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Top Girt	Max Tension	11	0.265	0.000	0.000
			Max. Compression	8	-0.203	0.000	0.000
			Max. Mx	23	0.043	0.007	0.000
			Max. My	13	0.233	0.000	-0.000
			Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Bottom Girt	Max Tension	7	0.531	0.000	0.000
			Max. Compression	13	-0.333	0.000	0.000
			Max. Mx	23	0.111	0.007	0.000
			Max. My	13	0.303	0.000	-0.000
			Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
T12	25 - 5	Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-55.058	-0.145	-0.027
			Max. Mx	25	-54.194	2.623	1.460
			Max. My	21	-54.225	-0.054	-3.003
		Diagonal	Max. Vy	18	7.870	-2.575	1.543
			Max. Vx	21	9.072	-0.054	-3.003
			Max Tension	2	1.763	0.000	0.000
			Max. Compression	6	-1.915	0.000	0.000
			Max. Mx	16	0.195	0.008	0.000
			Max. My	15	-0.201	0.000	0.000
			Max. Vy	16	0.008	0.000	0.000
			Max. Vx	15	-0.000	0.000	0.000
		Horizontal	Max Tension	21	0.301	0.000	0.000
			Max. Compression	13	-0.168	0.000	0.000
			Max. Mx	23	0.277	0.006	0.000
			Max. My	13	0.218	0.000	-0.000
			Max. Vy	23	0.008	0.000	0.000

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	APC Towers	Coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T13	5 - 0	Top Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	13	0.560	0.000	0.000
			Max. Compression	7	-0.468	0.000	0.000
			Max. Mx	23	0.098	0.006	0.000
			Max. My	13	-0.224	0.000	-0.000
			Max. Vy	23	0.008	0.000	0.000
		Bottom Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	22	5.426	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	23	5.319	0.006	0.000
			Max. My	13	3.588	0.000	-0.000
			Max. Vy	23	0.008	0.000	0.000
		Leg	Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	22	-57.341	0.151	0.338
			Max. Mx	16	-54.211	3.006	-0.047
			Max. My	13	-34.127	-0.053	-0.859
			Max. Vy	19	9.480	-0.876	-0.007
		Diagonal	Max. Vx	22	-2.014	-0.403	0.180
			Max Tension	7	0.621	0.000	0.000
			Max. Compression	22	-7.326	0.000	0.000
			Max. Mx	15	-0.476	0.005	0.000
			Max. My	13	-1.174	0.000	0.000
			Max. Vy	15	-0.007	0.000	0.000
		Horizontal	Max. Vx	2	-0.000	0.000	0.000
			Max Tension	13	0.524	0.000	0.000
			Max. Compression	7	-0.218	0.000	0.000
			Max. Mx	23	0.225	0.001	0.000
			Max. My	13	0.329	0.000	-0.000
			Max. Vy	23	-0.003	0.000	0.000
		Top Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	15	6.211	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	23	6.180	0.004	0.000
			Max. My	13	3.791	0.000	-0.000
			Max. Vy	23	-0.006	0.000	0.000
		Bottom Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	22	1.864	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	14	1.798	0.000	0.000
			Max. Vy	14	-0.001	0.000	0.000

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Mast	Max. Vert	15	161.596	-0.008	0.006
	Max. H _x	12	78.119	0.843	0.491
	Max. H _z	12	78.119	0.843	0.491
	Max. M _x	1	0.000	-0.001	0.005
	Max. M _z	1	0.000	-0.001	0.005
	Max. Torsion	13	0.638	0.519	0.436
	Min. Vert	1	51.726	-0.001	0.005
	Min. H _x	4	78.337	-0.840	0.490
	Min. H _z	8	79.960	-0.002	-1.075
	Min. M _x	1	0.000	-0.001	0.005

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Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Guy C @ 178 ft Elev 0 ft Azimuth 240 deg	Min. M _z	1	0.000	-0.001	0.005
	Min. Torsion	7	-0.827	-0.115	-0.659
	Max. Vert	10	-0.758	-0.415	0.239
Guy B @ 178 ft Elev 0 ft Azimuth 120 deg	Max. H _x	10	-0.758	-0.415	0.239
	Max. H _z	3	-40.129	-34.527	20.634
	Min. Vert	3	-40.129	-34.527	20.634
	Min. H _x	3	-40.129	-34.527	20.634
	Min. H _z	10	-0.758	-0.415	0.239
	Max. Vert	6	-0.764	0.418	0.242
Guy A @ 178 ft Elev 0 ft Azimuth 0 deg	Max. H _x	13	-39.808	34.298	20.492
	Max. H _z	13	-39.808	34.298	20.492
	Min. Vert	13	-39.808	34.298	20.492
	Min. H _x	6	-0.764	0.418	0.242
	Min. H _z	6	-0.764	0.418	0.242
	Max. Vert	2	-0.726	-0.000	-0.444
	Max. H _x	10	-32.959	0.898	-32.650
	Max. H _z	2	-0.726	-0.000	-0.444
	Min. Vert	9	-40.155	0.606	-40.231
	Min. H _x	6	-32.677	-0.892	-32.414
	Min. H _z	9	-40.155	0.606	-40.231

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturing Moment, M _x kip-ft	Overturing Moment, M _z kip-ft	Torque kip-ft
Dead Only	51.726	0.001	-0.005	0.000	0.000	0.047
1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy	104.241	0.000	-0.350	0.000	0.000	-0.059
1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy	95.661	0.518	-0.424	0.000	0.000	0.536
1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy	78.337	0.840	-0.490	0.000	0.000	0.295
1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy	91.792	0.606	-0.197	0.000	0.000	-0.017
1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy	99.602	0.347	0.194	0.000	0.000	0.444
1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy	95.226	0.115	0.659	0.000	0.000	0.827
1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy	79.960	0.002	1.075	0.000	0.000	0.254
1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy	95.697	-0.101	0.651	0.000	0.000	-0.354
1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy	100.161	-0.330	0.187	0.000	0.000	-0.084
1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy	91.794	-0.603	-0.196	0.000	0.000	0.192
1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy	78.119	-0.843	-0.491	0.000	0.000	-0.334
1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy	95.190	-0.519	-0.436	0.000	0.000	-0.638

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
1.2 Dead+1.0 Ice+1.0 Temp+Guy	160.602	0.008	-0.012	0.000	0.000	0.156
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy	161.596	0.008	-0.006	0.000	0.000	0.110
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy	161.261	0.003	-0.014	0.000	0.000	0.085
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy	160.934	0.007	-0.010	0.000	0.000	0.138
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy	161.242	0.013	-0.004	0.000	0.000	0.197
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy	161.581	0.010	-0.011	0.000	0.000	0.186
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy	161.276	0.015	-0.015	0.000	0.000	0.167
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy	160.973	0.009	-0.017	0.000	0.000	0.204
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy	161.282	0.003	-0.015	0.000	0.000	0.229
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy	161.590	0.007	-0.011	0.000	0.000	0.175
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy	161.247	0.004	-0.004	0.000	0.000	0.117
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy	160.934	0.010	-0.010	0.000	0.000	0.128
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy	161.257	0.013	-0.014	0.000	0.000	0.147
Dead+Wind 0 deg - Service+Guy	53.524	0.001	-0.474	0.000	0.000	-0.012
Dead+Wind 30 deg - Service+Guy	53.511	0.216	-0.387	0.000	0.000	0.169
Dead+Wind 60 deg - Service+Guy	53.321	0.345	-0.204	0.000	0.000	0.117
Dead+Wind 90 deg - Service+Guy	53.180	0.389	0.000	0.000	0.000	0.041
Dead+Wind 120 deg - Service+Guy	52.929	0.366	0.205	0.000	0.000	0.177
Dead+Wind 150 deg - Service+Guy	53.470	0.225	0.372	0.000	0.000	0.274
Dead+Wind 180 deg - Service+Guy	53.479	0.001	0.444	0.000	0.000	0.108
Dead+Wind 210 deg - Service+Guy	53.521	-0.221	0.372	0.000	0.000	-0.073
Dead+Wind 240 deg - Service+Guy	52.994	-0.362	0.205	0.000	0.000	-0.022
Dead+Wind 270 deg - Service+Guy	53.182	-0.387	0.000	0.000	0.000	0.054
Dead+Wind 300 deg - Service+Guy	53.300	-0.344	-0.204	0.000	0.000	-0.080
Dead+Wind 330 deg - Service+Guy	53.456	-0.214	-0.388	0.000	0.000	-0.177

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-28.073	0.000	0.000	28.073	0.000	0.001%
2	0.000	-33.498	-36.686	0.000	33.497	36.682	0.008%

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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
3	17.930	-33.351	-31.056	-17.930	33.351	31.052	0.007%
4	29.495	-33.205	-17.029	-29.495	33.205	17.027	0.005%
5	33.053	-33.351	0.000	-33.050	33.351	0.002	0.008%
6	29.340	-33.498	16.940	-29.337	33.497	-16.938	0.008%
7	17.813	-33.351	30.852	-17.809	33.351	-30.851	0.007%
8	0.000	-33.205	36.630	-0.000	33.205	-36.627	0.006%
9	-17.930	-33.351	31.056	17.927	33.351	-31.054	0.007%
10	-29.544	-33.498	17.057	29.540	33.497	-17.055	0.008%
11	-33.053	-33.351	0.000	33.050	33.351	0.002	0.008%
12	-29.292	-33.205	-16.912	29.292	33.205	16.909	0.005%
13	-17.813	-33.351	-30.852	17.813	33.351	30.849	0.007%
14	0.000	-118.331	0.000	-0.000	118.331	-0.003	0.002%
15	0.000	-118.431	-6.611	0.000	118.431	6.610	0.001%
16	3.278	-118.331	-5.678	-3.278	118.331	5.677	0.001%
17	5.585	-118.231	-3.224	-5.584	118.231	3.224	0.001%
18	6.383	-118.331	0.000	-6.382	118.331	0.000	0.001%
19	5.575	-118.431	3.219	-5.574	118.431	-3.218	0.001%
20	3.271	-118.331	5.666	-3.270	118.331	-5.666	0.001%
21	0.000	-118.231	6.608	-0.000	118.231	-6.607	0.001%
22	-3.278	-118.331	5.678	3.277	118.331	-5.678	0.001%
23	-5.587	-118.431	3.226	5.586	118.431	-3.225	0.001%
24	-6.383	-118.331	0.000	6.382	118.331	0.000	0.001%
25	-5.572	-118.231	-3.217	5.571	118.231	3.216	0.001%
26	-3.271	-118.331	-5.666	3.271	118.331	5.665	0.001%
27	0.000	-28.121	-11.979	0.000	28.121	11.978	0.005%
28	5.855	-28.073	-10.141	-5.855	28.073	10.139	0.005%
29	9.631	-28.025	-5.561	-9.630	28.025	5.560	0.006%
30	10.793	-28.073	0.000	-10.792	28.073	0.001	0.004%
31	9.580	-28.121	5.531	-9.579	28.121	-5.531	0.005%
32	5.816	-28.073	10.074	-5.815	28.073	-10.074	0.005%
33	0.000	-28.025	11.961	-0.000	28.025	-11.960	0.004%
34	-5.855	-28.073	10.141	5.853	28.073	-10.140	0.005%
35	-9.647	-28.121	5.570	9.646	28.121	-5.569	0.005%
36	-10.793	-28.073	0.000	10.792	28.073	0.001	0.004%
37	-9.565	-28.025	-5.522	9.563	28.025	5.521	0.006%
38	-5.816	-28.073	-10.074	5.817	28.073	10.073	0.005%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	7	0.00000001	0.00004108
2	Yes	30	0.00007063	0.00011503
3	Yes	29	0.00007640	0.00011421
4	Yes	16	0.00010801	0.00013631
5	Yes	28	0.00009189	0.00012758
6	Yes	29	0.00008118	0.00012440
7	Yes	29	0.00007603	0.00011302
8	Yes	16	0.00006917	0.00011387
9	Yes	29	0.00007630	0.00011399
10	Yes	29	0.00008150	0.00012555
11	Yes	28	0.00009197	0.00012776
12	Yes	17	0.00010594	0.00012408
13	Yes	29	0.00007609	0.00011310
14	Yes	11	0.00015000	0.00006125
15	Yes	24	0.00000001	0.00002255

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16	Yes	22	0.00000001	0.00003522
17	Yes	20	0.00000001	0.00002499
18	Yes	21	0.00000001	0.00002726
19	Yes	23	0.00000001	0.00002271
20	Yes	22	0.00000001	0.00002491
21	Yes	20	0.00000001	0.00002474
22	Yes	22	0.00000001	0.00002466
23	Yes	23	0.00000001	0.00002243
24	Yes	21	0.00000001	0.00002699
25	Yes	20	0.00000001	0.00002509
26	Yes	22	0.00000001	0.00002909
27	Yes	19	0.00000001	0.00008296
28	Yes	17	0.00000001	0.00007850
29	Yes	12	0.00000001	0.00007710
30	Yes	16	0.00000001	0.00005791
31	Yes	17	0.00000001	0.00007144
32	Yes	17	0.00000001	0.00007477
33	Yes	13	0.00000001	0.00006199
34	Yes	17	0.00000001	0.00007717
35	Yes	17	0.00000001	0.00007385
36	Yes	16	0.00000001	0.00005829
37	Yes	12	0.00000001	0.00007951
38	Yes	17	0.00000001	0.00007682

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	245 - 225	5.763	27	0.158	0.812
T2	225 - 205	5.181	27	0.159	0.747
T3	205 - 185	4.495	27	0.174	0.581
T4	185 - 165	3.937	27	0.114	0.440
T5	165 - 145	3.634	27	0.087	0.344
T6	145 - 125	3.359	27	0.075	0.260
T7	125 - 105	3.154	27	0.056	0.192
T8	105 - 85	2.955	27	0.071	0.142
T9	85 - 65	2.623	27	0.087	0.157
T10	65 - 45	2.256	27	0.092	0.183
T11	45 - 25	1.812	27	0.135	0.193
T12	25 - 5	1.128	27	0.189	0.185
T13	5 - 0	0.235	27	0.222	0.172

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
245.000	5' Lightning Rod	27	5.763	0.158	0.812	96386
240.000	Sector1(CaAa=14000 Sq.in)No Ice	27	5.625	0.156	0.803	96386
235.000	Guy	27	5.484	0.154	0.790	48193
225.000	Sector1(CaAa=10000 Sq.in)No Ice	27	5.181	0.159	0.747	27028
210.000	Sector1(CaAa=10000 Sq.in)No Ice	27	4.666	0.176	0.625	66241
195.000	Guy	27	4.183	0.148	0.503	18537
135.000	Guy	27	3.247	0.064	0.224	48868

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Elevation	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
ft						
75.000	Guy	27	2.442	0.088	0.170	202178

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	245 - 225	38.662	2	0.999	2.245
T2	225 - 205	34.902	2	1.002	2.076
T3	205 - 185	30.836	2	1.041	1.622
T4	185 - 165	27.223	2	0.818	1.216
T5	165 - 145	24.490	2	0.694	0.915
T6	145 - 125	21.955	2	0.608	0.653
T7	125 - 105	19.763	2	0.500	0.443
T8	105 - 85	17.668	2	0.548	0.407
T9	85 - 65	15.174	2	0.624	0.476
T10	65 - 45	12.542	2	0.653	0.542
T11	45 - 25	9.589	2	0.809	0.558
T12	25 - 5	5.762	2	1.007	0.522
T13	5 - 0	1.184	2	1.123	0.453

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
245.000	5' Lightning Rod	2	38.662	0.999	2.245	31800
240.000	Sector1(CaAa=14000 Sq.in)No Ice	2	37.745	0.992	2.221	31800
235.000	Guy	2	36.819	0.989	2.190	15900
225.000	Sector1(CaAa=10000 Sq.in)No Ice	2	34.902	1.002	2.076	8929
210.000	Sector1(CaAa=10000 Sq.in)No Ice	2	31.847	1.052	1.745	18252
195.000	Guy	2	28.920	0.944	1.402	5473
135.000	Guy	2	20.816	0.548	0.541	10194
75.000	Guy	2	13.871	0.624	0.511	44794

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
T2	225	Leg	A325N	0.750	3	2.398	30.101	0.080 ✓	1	Bolt Tension
T3	205	Leg	A325N	0.750	3	2.725	30.101	0.091 ✓	1	Bolt Tension
T4	185	Leg	A325N	0.750	3	4.750	30.101	0.158 ✓	1	Bolt Tension
T5	165	Leg	A325N	0.750	3	3.940	30.101	0.131 ✓	1	Bolt Tension
T6	145	Leg	A325N	0.750	3	4.159	30.101	0.138 ✓	1	Bolt Tension

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Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
T7	125	Leg	A325N	0.750	3	4.568	30.101	0.152 ✓	1	Bolt Tension
T8	105	Leg	A325N	0.750	3	4.865	30.101	0.162 ✓	1	Bolt Tension
T9	85	Leg	A325N	0.750	3	5.043	30.101	0.168 ✓	1	Bolt Tension
T10	65	Leg	A325N	0.750	3	5.578	30.101	0.185 ✓	1	Bolt Tension
T11	45	Leg	A325N	0.750	3	5.971	30.101	0.198 ✓	1	Bolt Tension
T12	25	Leg	A325N	0.750	3	6.118	30.101	0.203 ✓	1	Bolt Tension
T13	5	Leg	A325N	0.750	3	6.024	30.101	0.200 ✓	1	Bolt Tension

Guy Design Data

Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
T1	235.000 (A) (699)	5/8 EModulus EHS	4.240	42.400	22.492	25.440	1.000	1.131 ✓
	235.000 (B) (698)	5/8 EModulus EHS	4.240	42.400	22.236	25.440	1.000	1.144 ✓
	235.000 (C) (694)	5/8 EModulus EHS	4.240	42.400	22.453	25.440	1.000	1.133 ✓
T3	195.000 (A) (690)	7/16 EModulus EHS	2.080	20.800	10.815	12.480	1.000	1.154 ✓
	195.000 (A) (691)	7/16 EModulus EHS	2.080	20.800	10.923	12.480	1.000	1.143 ✓
	195.000 (B) (686)	7/16 EModulus EHS	2.080	20.800	10.304	12.480	1.000	1.211 ✓
	195.000 (B) (687)	7/16 EModulus EHS	2.080	20.800	10.806	12.480	1.000	1.155 ✓
	195.000 (C) (679)	7/16 EModulus EHS	2.080	20.800	10.933	12.480	1.000	1.141 ✓
	195.000 (C) (680)	7/16 EModulus EHS	2.080	20.800	10.367	12.480	1.000	1.204 ✓
	135.000 (A) (678)	3/8 EModulus EHS	1.540	15.400	7.392	9.240	1.000	1.250 ✓
T6	135.000 (B) (677)	3/8 EModulus EHS	1.540	15.400	7.378	9.240	1.000	1.252 ✓
	135.000 (C) (673)	3/8 EModulus EHS	1.540	15.400	7.399	9.240	1.000	1.249 ✓
T9	75.000 (A) (672)	3/8 EModulus	1.540	15.400	6.844	9.240	1.000	1.350 ✓

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Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
	75.000 (B) (671)	EHS 3/8 EModulus	1.540	15.400	6.854	9.240	1.000	1.348 ✓
	75.000 (C) (667)	EHS 3/8 EModulus EHS	1.540	15.400	6.845	9.240	1.000	1.350 ✓

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in ²	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-19.402	78.769	0.246 ¹ ✓
T2	225 - 205	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-22.813	78.769	0.290 ¹ ✓
T3	205 - 185	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-51.783	78.769	0.657 ¹ ✓
T4	185 - 165	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-41.637	78.769	0.529 ¹ ✓
T5	165 - 145	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-37.079	78.769	0.471 ¹ ✓
T6	145 - 125	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-41.360	78.769	0.525 ¹ ✓
T7	125 - 105	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-43.413	78.769	0.551 ¹ ✓
T8	105 - 85	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-45.193	78.769	0.574 ¹ ✓
T9	85 - 65	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-49.640	78.769	0.630 ¹ ✓
T10	65 - 45	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-53.334	78.769	0.677 ¹ ✓
T11	45 - 25	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-54.834	78.769	0.696 ¹ ✓
T12	25 - 5	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-54.960	78.769	0.698 ¹ ✓
T13	5 - 0	2 1/4	5.292	2.238	47.7 K=1.00	3.976	-57.341	151.458	0.379 ¹ ✓

¹ $P_u / \phi P_n$ controls

Diagonal Design Data (Compression)

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	Project	Date
	245' 36G/37.43056389, -84.459675	10:44:41 07/01/26
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	APC Towers	Coody

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	1	3.844	3.657	122.9 K=0.70	0.785	-7.223	11.750	0.615 ¹ ✓
T2	225 - 205	1	3.844	3.657	122.9 K=0.70	0.785	-10.691	11.750	0.910 ¹ ✓
T3	205 - 185	1	3.844	3.657	122.9 K=0.70	0.785	-10.731	11.750	0.913 ¹ ✓
T4	185 - 165	.75	3.844	3.657	163.8 K=0.70	0.442	-3.077	3.718	0.828 ¹ ✓
T5	165 - 145	.75	3.844	3.657	163.8 K=0.70	0.442	-2.465	3.718	0.663 ¹ ✓
T6	145 - 125	.75	3.844	3.657	163.8 K=0.70	0.442	-2.619	3.718	0.705 ¹ ✓
T7	125 - 105	.75	3.844	3.657	163.8 K=0.70	0.442	-2.057	3.718	0.553 ¹ ✓
T8	105 - 85	.75	3.844	3.657	163.8 K=0.70	0.442	-1.999	3.718	0.538 ¹ ✓
T9	85 - 65	.75	3.844	3.657	163.8 K=0.70	0.442	-2.520	3.718	0.678 ¹ ✓
T10	65 - 45	.75	3.844	3.657	163.8 K=0.70	0.442	-2.239	3.718	0.602 ¹ ✓
T11	45 - 25	.75	3.844	3.657	163.8 K=0.70	0.442	-1.216	3.718	0.327 ¹ ✓
T12	25 - 5	.75	3.844	3.657	163.8 K=0.70	0.442	-1.915	3.718	0.515 ¹ ✓
T13	5 - 0	1	2.314	1.852	89.9 K=1.01	0.785	-7.326	19.578	0.374 ¹ ✓

¹ P_u / φP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	3/4	3.000	2.854	127.9 K=0.70	0.442	-2.523	6.104	0.413 ¹ ✓
T2	225 - 205	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.525	6.104	0.250 ¹ ✓
T3	205 - 185	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.984	6.104	0.161 ¹ ✓
T4	185 - 165	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.789	6.104	0.129 ¹ ✓
T5	165 - 145	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.691	6.104	0.113 ¹ ✓
T6	145 - 125	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.764	6.104	0.125 ¹ ✓
T7	125 - 105	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.808	6.104	0.132 ¹ ✓
T8	105 - 85	3/4	3.000	2.854	127.9	0.442	-0.838	6.104	0.137 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T9	85 - 65	3/4	3.000	2.854	K=0.70 127.9	0.442	-0.927	6.104	0.152 ¹ ✓
T10	65 - 45	3/4	3.000	2.854	K=0.70 127.9	0.442	-0.992	6.104	0.163 ¹ ✓
T11	45 - 25	3/4	3.000	2.854	K=0.70 127.9	0.442	-1.016	6.104	0.167 ¹ ✓
T12	25 - 5	3/4	3.000	2.854	K=0.70 127.9	0.442	-1.016	6.104	0.167 ¹ ✓
T13	5 - 0	3/4	1.500	1.313	K=0.70 89.0 K=1.06	0.442	-1.036	11.134	0.093 ¹ ✓

¹ P_u / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.383	6.104	0.063 ¹ ✓
T2	225 - 205	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.271	6.104	0.208 ¹ ✓
T3	205 - 185	3/4	3.000	2.854	127.9 K=0.70	0.442	-3.802	6.104	0.623 ¹ ✓
T4	185 - 165	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.335	6.104	0.219 ¹ ✓
T5	165 - 145	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.691	6.104	0.113 ¹ ✓
T6	145 - 125	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.811	6.104	0.133 ¹ ✓
T7	125 - 105	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.897	6.104	0.147 ¹ ✓
T8	105 - 85	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.838	6.104	0.137 ¹ ✓
T9	85 - 65	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.927	6.104	0.152 ¹ ✓
T10	65 - 45	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.992	6.104	0.163 ¹ ✓
T11	45 - 25	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.016	6.104	0.167 ¹ ✓
T12	25 - 5	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.016	6.104	0.167 ¹ ✓
T13	5 - 0	3/4	2.769	2.581	115.6 K=0.70	0.442	-1.036	7.463	0.139 ¹ ✓

¹ P_u / φP_n controls

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Bottom Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.620	6.104	0.265 ¹ ✓
T2	225 - 205	3/4	3.000	2.854	127.9 K=0.70	0.442	-3.523	6.104	0.577 ¹ ✓
T3	205 - 185	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.460	6.104	0.239 ¹ ✓
T4	185 - 165	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.789	6.104	0.129 ¹ ✓
T5	165 - 145	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.718	6.104	0.118 ¹ ✓
T6	145 - 125	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.000	6.104	0.164 ¹ ✓
T7	125 - 105	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.808	6.104	0.132 ¹ ✓
T8	105 - 85	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.838	6.104	0.137 ¹ ✓
T9	85 - 65	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.927	6.104	0.152 ¹ ✓
T10	65 - 45	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.992	6.104	0.163 ¹ ✓
T11	45 - 25	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.016	6.104	0.167 ¹ ✓
T12	25 - 5	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.016	6.104	0.167 ¹ ✓
T13	5 - 0	3/4	0.231	0.044	3.1 K=1.10	0.442	-1.036	19.867	0.052 ¹ ✓

¹ P_u / φP_n controls

Top Guy Pull-Off Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T3	205 - 185	4x5/8	3.000	2.854	151.9 K=0.80	2.500	-5.570	24.488	0.227 ¹ ✓

¹ P_u / φP_n controls

Torque-Arm Top Design Data

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T3	205 - 185 (681)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-3.985	237.937	0.017
T3	205 - 185 (682)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-3.995	237.937	0.017
T3	205 - 185 (688)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-3.742	237.937	0.016
T3	205 - 185 (689)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-3.732	237.937	0.016
T3	205 - 185 (692)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-3.927	237.937	0.017
T3	205 - 185 (693)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-3.934	237.937	0.017

Torque-Arm Top Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{rx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
T3	205 - 185 (681)	C12x20.7	-24.465	94.709	0.258	0.000	9.731	0.000
T3	205 - 185 (682)	C12x20.7	-24.518	94.709	0.259	-0.000	9.731	0.000
T3	205 - 185 (688)	C12x20.7	-23.215	94.709	0.245	-0.000	9.731	0.000
T3	205 - 185 (689)	C12x20.7	-23.155	94.709	0.244	0.000	9.731	0.000
T3	205 - 185 (692)	C12x20.7	-24.184	94.709	0.255	0.000	9.731	0.000
T3	205 - 185 (693)	C12x20.7	-24.245	94.709	0.256	-0.000	9.731	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T3	205 - 185 (681)	C12x20.7	0.017	0.258	0.000	0.267	1.000	✓
T3	205 - 185 (682)	C12x20.7	0.017	0.259	0.000	0.267	1.000	✓
T3	205 - 185 (688)	C12x20.7	0.016	0.245	0.000	0.253	1.000	✓
T3	205 - 185 (689)	C12x20.7	0.016	0.244	0.000	0.252	1.000	✓
T3	205 - 185 (692)	C12x20.7	0.017	0.255	0.000	0.264	1.000	✓
T3	205 - 185 (693)	C12x20.7	0.017	0.256	0.000	0.264	1.000	✓

Tension Checks

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Leg Design Data (Tension)

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in ²	K	K	$\frac{\phi P_n}{\phi P_n}$
T1	245 - 225	1 3/4	20.000	2.404	65.9	2.405	9.289	108.238	0.086 ¹
T3	205 - 185	1 3/4	20.000	2.404	65.9	2.405	19.820	108.238	0.183 ¹

¹ P_u / φP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in ²	K	K	$\frac{\phi P_n}{\phi P_n}$
T1	245 - 225	1	3.844	3.657	175.6	0.785	7.216	35.343	0.204 ¹
T2	225 - 205	1	3.844	3.657	175.6	0.785	10.522	35.343	0.298 ¹
T3	205 - 185	1	3.844	3.657	175.6	0.785	10.590	35.343	0.300 ¹
T4	185 - 165	.75	3.844	3.657	234.1	0.442	2.832	19.880	0.142 ¹
T5	165 - 145	.75	3.844	3.657	234.1	0.442	2.072	19.880	0.104 ¹
T6	145 - 125	.75	3.844	3.657	234.1	0.442	2.322	19.880	0.117 ¹
T7	125 - 105	.75	3.844	3.657	234.1	0.442	1.808	19.880	0.091 ¹
T8	105 - 85	.75	3.844	3.657	234.1	0.442	1.589	19.880	0.080 ¹
T9	85 - 65	.75	3.844	3.657	234.1	0.442	2.066	19.880	0.104 ¹
T10	65 - 45	.75	3.844	3.657	234.1	0.442	2.013	19.880	0.101 ¹
T11	45 - 25	.75	3.844	3.657	234.1	0.442	0.839	19.880	0.042 ¹
T12	25 - 5	.75	3.844	3.657	234.1	0.442	1.763	19.880	0.089 ¹
T13	5 - 0	1	3.027	2.565	123.1	0.785	0.621	35.343	0.018 ¹

¹ P_u / φP_n controls

Horizontal Design Data (Tension)

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	Client APC Towers	Designed by Coody

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	3/4	3.000	2.854	182.7	0.442	2.482	19.880	0.125 ¹
T2	225 - 205	3/4	3.000	2.854	182.7	0.442	1.667	19.880	0.084 ¹
T3	205 - 185	3/4	3.000	2.854	182.7	0.442	1.011	19.880	0.051 ¹
T4	185 - 165	3/4	3.000	2.854	182.7	0.442	0.789	19.880	0.040 ¹
T5	165 - 145	3/4	3.000	2.854	182.7	0.442	0.691	19.880	0.035 ¹
T6	145 - 125	3/4	3.000	2.854	182.7	0.442	0.764	19.880	0.038 ¹
T7	125 - 105	3/4	3.000	2.854	182.7	0.442	0.808	19.880	0.041 ¹
T8	105 - 85	3/4	3.000	2.854	182.7	0.442	0.838	19.880	0.042 ¹
T9	85 - 65	3/4	3.000	2.854	182.7	0.442	0.927	19.880	0.047 ¹
T10	65 - 45	3/4	3.000	2.854	182.7	0.442	0.992	19.880	0.050 ¹
T11	45 - 25	3/4	3.000	2.854	182.7	0.442	1.016	19.880	0.051 ¹
T12	25 - 5	3/4	3.000	2.854	182.7	0.442	1.016	19.880	0.051 ¹
T13	5 - 0	3/4	1.500	1.313	84.0	0.442	1.036	19.880	0.052 ¹

¹ P_u / φP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	3/4	3.000	2.854	182.7	0.442	0.383	19.880	0.019 ¹
T2	225 - 205	3/4	3.000	2.854	182.7	0.442	1.265	19.880	0.064 ¹
T3	205 - 185	3/4	3.000	2.854	182.7	0.442	3.610	19.880	0.182 ¹
T4	185 - 165	3/4	3.000	2.854	182.7	0.442	1.481	19.880	0.074 ¹
T5	165 - 145	3/4	3.000	2.854	182.7	0.442	0.762	19.880	0.038 ¹
T6	145 - 125	3/4	3.000	2.854	182.7	0.442	0.890	19.880	0.045 ¹
T7	125 - 105	3/4	3.000	2.854	182.7	0.442	1.040	19.880	0.052 ¹
T8	105 - 85	3/4	3.000	2.854	182.7	0.442	0.838	19.880	0.042 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T9	85 - 65	3/4	3.000	2.854	182.7	0.442	0.927	19.880	0.047 ¹ ✓
T10	65 - 45	3/4	3.000	2.854	182.7	0.442	0.992	19.880	0.050 ¹ ✓
T11	45 - 25	3/4	3.000	2.854	182.7	0.442	1.016	19.880	0.051 ¹ ✓
T12	25 - 5	3/4	3.000	2.854	182.7	0.442	1.016	19.880	0.051 ¹ ✓
T13	5 - 0	3/4	2.769	2.581	165.2	0.442	6.211	19.880	0.312 ¹ ✓

¹ P_u / φP_n controls

Bottom Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	3/4	3.000	2.854	182.7	0.442	1.701	19.880	0.086 ¹ ✓
T2	225 - 205	3/4	3.000	2.854	182.7	0.442	3.855	19.880	0.194 ¹ ✓
T3	205 - 185	3/4	3.000	2.854	182.7	0.442	1.526	19.880	0.077 ¹ ✓
T4	185 - 165	3/4	3.000	2.854	182.7	0.442	0.836	19.880	0.042 ¹ ✓
T5	165 - 145	3/4	3.000	2.854	182.7	0.442	0.869	19.880	0.044 ¹ ✓
T6	145 - 125	3/4	3.000	2.854	182.7	0.442	1.107	19.880	0.056 ¹ ✓
T7	125 - 105	3/4	3.000	2.854	182.7	0.442	0.808	19.880	0.041 ¹ ✓
T8	105 - 85	3/4	3.000	2.854	182.7	0.442	0.838	19.880	0.042 ¹ ✓
T9	85 - 65	3/4	3.000	2.854	182.7	0.442	1.068	19.880	0.054 ¹ ✓
T10	65 - 45	3/4	3.000	2.854	182.7	0.442	0.992	19.880	0.050 ¹ ✓
T11	45 - 25	3/4	3.000	2.854	182.7	0.442	1.016	19.880	0.051 ¹ ✓
T12	25 - 5	3/4	3.000	2.854	182.7	0.442	5.426	19.880	0.273 ¹ ✓
T13	5 - 0	3/4	0.231	0.044	2.8	0.442	1.864	19.880	0.094 ¹ ✓

¹ P_u / φP_n controls

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
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	Project	Date
	245' 36G/37.43056389, -84.459675	10:44:41 07/01/26
	Client	Designed by
	APC Towers	Coody

Top Guy Pull-Off Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	4x5/8	3.000	2.854	189.8	2.500	6.615	112.500	0.059 ¹
T3	205 - 185	4x5/8	3.000	2.854	189.8	2.500	5.723	112.500	0.051 ¹
T6	145 - 125	4x5/8	3.000	2.854	189.8	2.500	2.978	112.500	0.026 ¹
T9	85 - 65	4x5/8	3.000	2.854	189.8	2.500	3.262	112.500	0.029 ¹

¹ P_u / φP_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T3	205 - 185 (681)	C12x20.7	3.000	2.927	44.0	4.568	0.520	222.666	0.002
T3	205 - 185 (682)	C12x20.7	3.000	2.927	44.0	4.568	0.696	222.666	0.003
T3	205 - 185 (688)	C12x20.7	3.000	2.927	44.0	4.568	0.506	222.666	0.002
T3	205 - 185 (689)	C12x20.7	3.000	2.927	44.0	4.568	0.555	222.666	0.002
T3	205 - 185 (692)	C12x20.7	3.000	2.927	44.0	4.568	0.709	222.666	0.003
T3	205 - 185 (693)	C12x20.7	3.000	2.927	44.0	4.568	0.541	222.666	0.002

Torque-Arm Top Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T3	205 - 185 (681)	C12x20.7	-24.438	94.709	0.258	0.000	9.731	0.000
T3	205 - 185 (682)	C12x20.7	-23.426	94.709	0.247	-0.000	9.731	0.000
T3	205 - 185 (688)	C12x20.7	-24.464	94.709	0.258	-0.000	9.731	0.000
T3	205 - 185 (689)	C12x20.7	-24.704	94.709	0.261	0.000	9.731	0.000
T3	205 - 185 (692)	C12x20.7	-23.405	94.709	0.247	0.000	9.731	0.000
T3	205 - 185 (693)	C12x20.7	-24.739	94.709	0.261	-0.000	9.731	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T3	205 - 185 (681)	C12x20.7	0.002	0.258	0.000	0.259	1.000	✓

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
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	Project	Date
	245' 36G/37.43056389, -84.459675	10:44:41 07/01/26
	Client	Designed by
	APC Towers	Coody

Section No.	Elevation ft	Size	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T3	205 - 185 (682)	C12x20.7	0.003	0.247	0.000	0.249	1.000	✓
T3	205 - 185 (688)	C12x20.7	0.002	0.258	0.000	0.259	1.000	✓
T3	205 - 185 (689)	C12x20.7	0.002	0.261	0.000	0.262	1.000	✓
T3	205 - 185 (692)	C12x20.7	0.003	0.247	0.000	0.249	1.000	✓
T3	205 - 185 (693)	C12x20.7	0.002	0.261	0.000	0.262	1.000	✓

Section Capacity Table

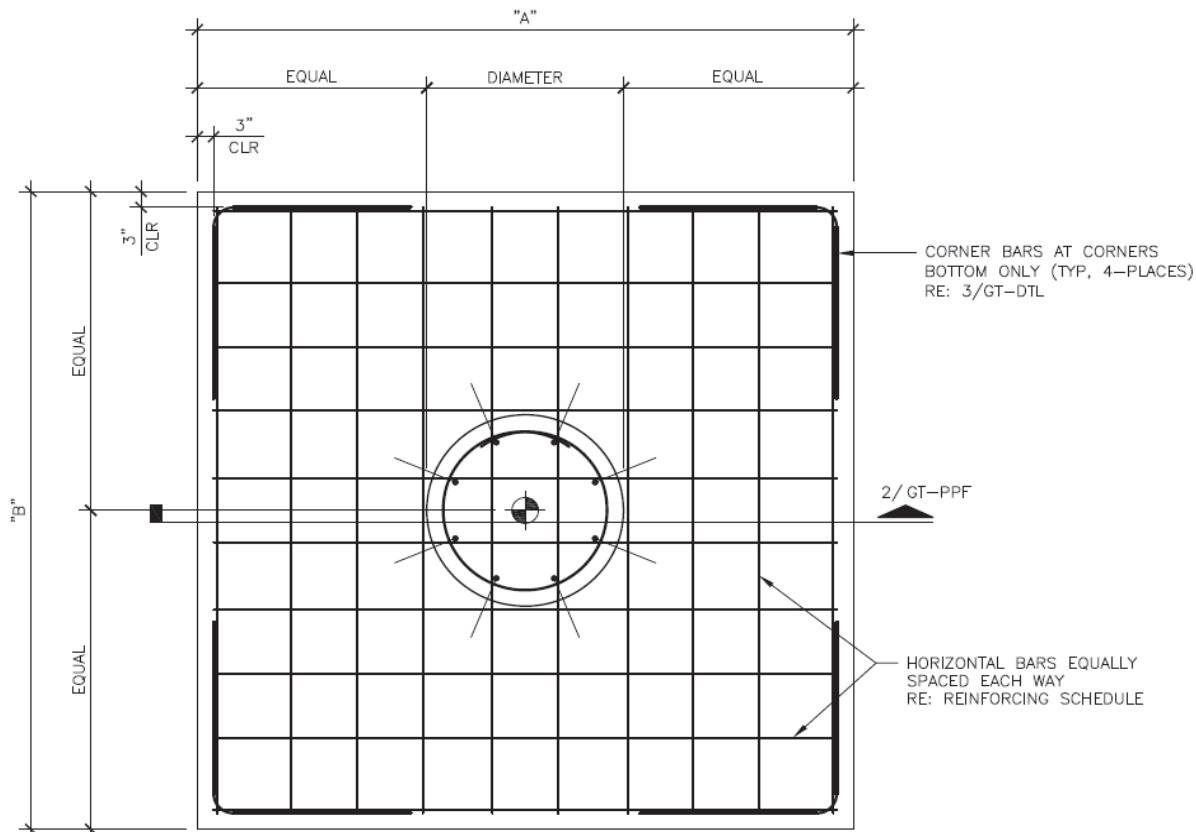
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	245 - 225	Leg	1 3/4	1	-19.402	78.769	24.6	Pass
T2	225 - 205	Leg	1 3/4	57	-22.813	78.769	29.0	Pass
T3	205 - 185	Leg	1 3/4	111	-51.783	78.769	65.7	Pass
T4	185 - 165	Leg	1 3/4	163	-41.637	78.769	52.9	Pass
T5	165 - 145	Leg	1 3/4	218	-37.079	78.769	47.1	Pass
T6	145 - 125	Leg	1 3/4	272	-41.360	78.769	52.5	Pass
T7	125 - 105	Leg	1 3/4	327	-43.413	78.769	55.1	Pass
T8	105 - 85	Leg	1 3/4	379	-45.193	78.769	57.4	Pass
T9	85 - 65	Leg	1 3/4	435	-49.640	78.769	63.0	Pass
T10	65 - 45	Leg	1 3/4	489	-53.334	78.769	67.7	Pass
T11	45 - 25	Leg	1 3/4	543	-54.834	78.769	69.6	Pass
T12	25 - 5	Leg	1 3/4	597	-54.960	78.769	69.8	Pass
T13	5 - 0	Leg	2 1/4	651	-57.341	151.458	37.9	Pass
T1	245 - 225	Diagonal	1	40	-7.223	11.750	61.5	Pass
T2	225 - 205	Diagonal	1	64	-10.691	11.750	91.0	Pass
T3	205 - 185	Diagonal	1	160	-10.731	11.750	91.3	Pass
T4	185 - 165	Diagonal	.75	214	-3.077	3.718	82.8	Pass
T5	165 - 145	Diagonal	.75	227	-2.465	3.718	66.3	Pass
T6	145 - 125	Diagonal	.75	305	-2.619	3.718	70.5	Pass
T7	125 - 105	Diagonal	.75	376	-2.057	3.718	55.3	Pass
T8	105 - 85	Diagonal	.75	389	-1.999	3.718	53.8	Pass
T9	85 - 65	Diagonal	.75	443	-2.520	3.718	67.8	Pass
T10	65 - 45	Diagonal	.75	539	-2.239	3.718	60.2	Pass
T11	45 - 25	Diagonal	.75	550	-1.216	3.718	32.7	Pass
T12	25 - 5	Diagonal	.75	604	-1.915	3.718	51.5	Pass
T13	5 - 0	Diagonal	1	660	-7.326	19.578	37.4	Pass
T1	245 - 225	Horizontal	3/4	45	-2.523	6.104	41.3	Pass
T2	225 - 205	Horizontal	3/4	75	-1.525	6.104	25.0	Pass
T3	205 - 185	Horizontal	3/4	140	-0.984	6.104	16.1	Pass
T4	185 - 165	Horizontal	3/4	177	-0.789	6.104	12.9	Pass
T5	165 - 145	Horizontal	3/4	235	-0.691	6.104	11.3	Pass
T6	145 - 125	Horizontal	3/4	289	-0.764	6.104	12.5	Pass
T7	125 - 105	Horizontal	3/4	338	-0.808	6.104	13.2	Pass
T8	105 - 85	Horizontal	3/4	392	-0.838	6.104	13.7	Pass
T9	85 - 65	Horizontal	3/4	446	-0.927	6.104	15.2	Pass
T10	65 - 45	Horizontal	3/4	500	-0.992	6.104	16.3	Pass
T11	45 - 25	Horizontal	3/4	555	-1.016	6.104	16.7	Pass
T12	25 - 5	Horizontal	3/4	614	-1.016	6.104	16.7	Pass
T13	5 - 0	Horizontal	3/4	662	-1.036	11.134	9.3	Pass
T1	245 - 225	Top Girt	3/4	6	-0.383	6.104	6.3	Pass

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	Page
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	Project	Date
	245' 36G/37.43056389, -84.459675	10:44:41 07/01/26
	Client	Designed by
	APC Towers	Coody

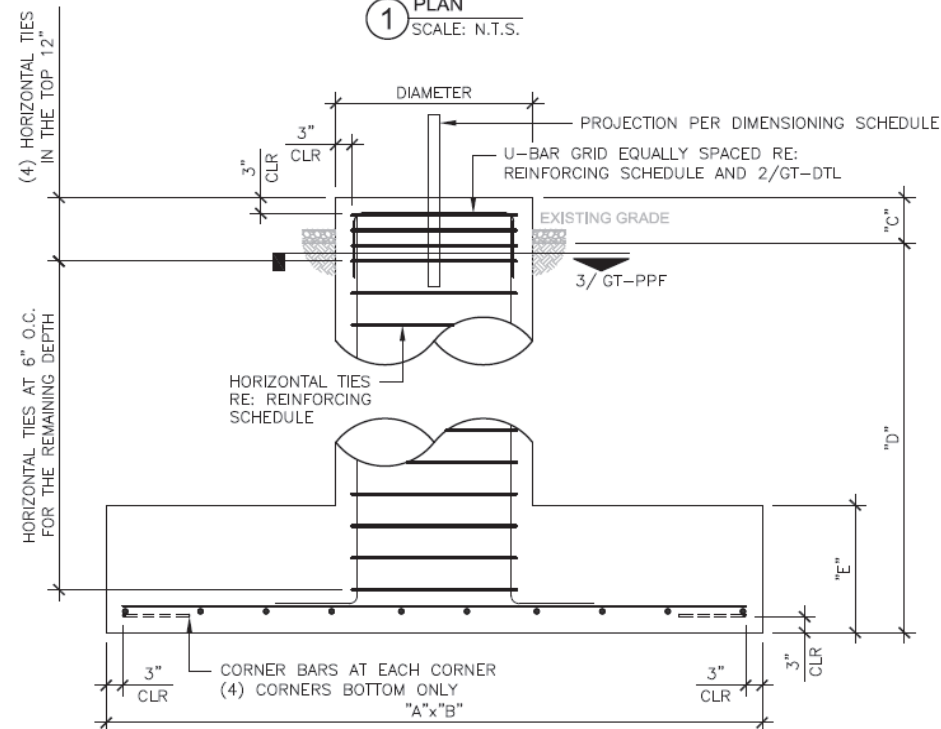
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	σP_{allow} K	% Capacity	Pass Fail
T2	225 - 205	Top Girt	3/4	58	-1.271	6.104	20.8	Pass
T3	205 - 185	Top Girt	3/4	112	-3.802	6.104	62.3	Pass
T4	185 - 165	Top Girt	3/4	166	-1.335	6.104	21.9	Pass
T5	165 - 145	Top Girt	3/4	221	-0.691	6.104	11.3	Pass
T6	145 - 125	Top Girt	3/4	275	-0.811	6.104	13.3	Pass
T7	125 - 105	Top Girt	3/4	328	-0.897	6.104	14.7	Pass
T8	105 - 85	Top Girt	3/4	383	-0.838	6.104	13.7	Pass
T9	85 - 65	Top Girt	3/4	437	-0.927	6.104	15.2	Pass
T10	65 - 45	Top Girt	3/4	491	-0.992	6.104	16.3	Pass
T11	45 - 25	Top Girt	3/4	546	-1.016	6.104	16.7	Pass
T12	25 - 5	Top Girt	3/4	599	-1.016	6.104	16.7	Pass
T13	5 - 0	Top Girt	3/4	652	6.211	19.880	31.2	Pass
T1	245 - 225	Bottom Girt	3/4	9	-1.620	6.104	26.5	Pass
T2	225 - 205	Bottom Girt	3/4	61	-3.523	6.104	57.7	Pass
T3	205 - 185	Bottom Girt	3/4	115	-1.460	6.104	23.9	Pass
T4	185 - 165	Bottom Girt	3/4	171	-0.789	6.104	12.9	Pass
T5	165 - 145	Bottom Girt	3/4	224	-0.718	6.104	11.8	Pass
T6	145 - 125	Bottom Girt	3/4	277	-1.000	6.104	16.4	Pass
T7	125 - 105	Bottom Girt	3/4	332	-0.808	6.104	13.2	Pass
T8	105 - 85	Bottom Girt	3/4	386	-0.838	6.104	13.7	Pass
T9	85 - 65	Bottom Girt	3/4	440	-0.927	6.104	15.2	Pass
T10	65 - 45	Bottom Girt	3/4	494	-0.992	6.104	16.3	Pass
T11	45 - 25	Bottom Girt	3/4	549	-1.016	6.104	16.7	Pass
T12	25 - 5	Bottom Girt	3/4	603	5.426	19.880	27.3	Pass
T13	5 - 0	Bottom Girt	3/4	657	1.864	19.880	9.4	Pass
T1	245 - 225	Guy A@235	5/8 EModulus	699	22.492	25.440	88.4	Pass
T3	205 - 185	Guy A@195	7/16 EModulus	691	10.923	12.480	87.5	Pass
T6	145 - 125	Guy A@135	3/8 EModulus	678	7.392	9.240	80.0	Pass
T9	85 - 65	Guy A@75	3/8 EModulus	672	6.844	9.240	74.1	Pass
T1	245 - 225	Guy B@235	5/8 EModulus	698	22.236	25.440	87.4	Pass
T3	205 - 185	Guy B@195	7/16 EModulus	687	10.806	12.480	86.6	Pass
T6	145 - 125	Guy B@135	3/8 EModulus	677	7.378	9.240	79.9	Pass
T9	85 - 65	Guy B@75	3/8 EModulus	671	6.854	9.240	74.2	Pass
T1	245 - 225	Guy C@235	5/8 EModulus	694	22.453	25.440	88.3	Pass
T3	205 - 185	Guy C@195	7/16 EModulus	679	10.933	12.480	87.6	Pass
T6	145 - 125	Guy C@135	3/8 EModulus	673	7.399	9.240	80.1	Pass
T9	85 - 65	Guy C@75	3/8 EModulus	667	6.845	9.240	74.1	Pass
T1	245 - 225	Top Guy	4x5/8	697	6.615	112.500	5.9	Pass
		Pull-Off@235						
T3	205 - 185	Top Guy	4x5/8	684	-5.570	24.488	22.7	Pass
		Pull-Off@195						
T6	145 - 125	Top Guy	4x5/8	676	2.978	112.500	2.6	Pass
		Pull-Off@135						
T9	85 - 65	Top Guy	4x5/8	670	3.262	112.500	2.9	Pass
		Pull-Off@75						
T3	205 - 185	Torque Arm	C12x20.7	682	-3.995	237.937	26.7	Pass
		Top@195						
Summary								
						Leg (T12)	69.8	Pass
						Diagonal (T3)	91.3	Pass
						Horizontal (T1)	41.3	Pass
						Top Girt (T3)	62.3	Pass
						Bottom Girt (T2)	57.7	Pass
						Guy A (T1)	88.4	Pass
						Guy B (T1)	87.4	Pass
						Guy C (T1)	88.3	Pass
						Top Guy	22.7	Pass

<i>tnxTower</i> <i>B+T Group</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS# C560 - LV Turkey Town (Site# KY-4170)	Page	46 of 46
	Project	245' 36G/37.43056389, -84.459675	Date	10:44:41 07/01/26
	Client	APC Towers	Designed by	Coody

<i>Section No.</i>	<i>Elevation ft</i>	<i>Component Type</i>	<i>Size</i>	<i>Critical Element</i>	<i>P K</i>	<i>ϕP_{allow} K</i>	<i>% Capacity</i>	<i>Pass Fail</i>
						Pull-Off (T3)		
						Torque Arm Top (T3)	26.7	Pass
						Bolt Checks	20.3	Pass
						RATING =	91.3	Pass



1 PLAN
SCALE: N.T.S.



2 SECTION
SCALE: N.T.S.

NOTES:

1. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
2. REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND THE ACI 315 (LATEST EDITION).
3. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.
GEOTECHNICAL PROPERTIES BY: ENGINEERED TOWER SOLUTIONS
PROJECT NUMBER: 26146121
DATE: APRIL 08, 2026
4. THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
5. CONCRETE VOLUME IN CUBIC YARDS: 4.1
6. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
7. CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
8. ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14. A MINIMUM OF (2) 6"x12" OR (3) 4"x8" CONCRETE CYLINDERS PER INDIVIDUAL FOUNDATION AND A MINIMUM OF (6) 6"x12" OR (6) 4"x8" CYLINDERS PER BATCH REQUIRED.
9. SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
10. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8" LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
11. VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.

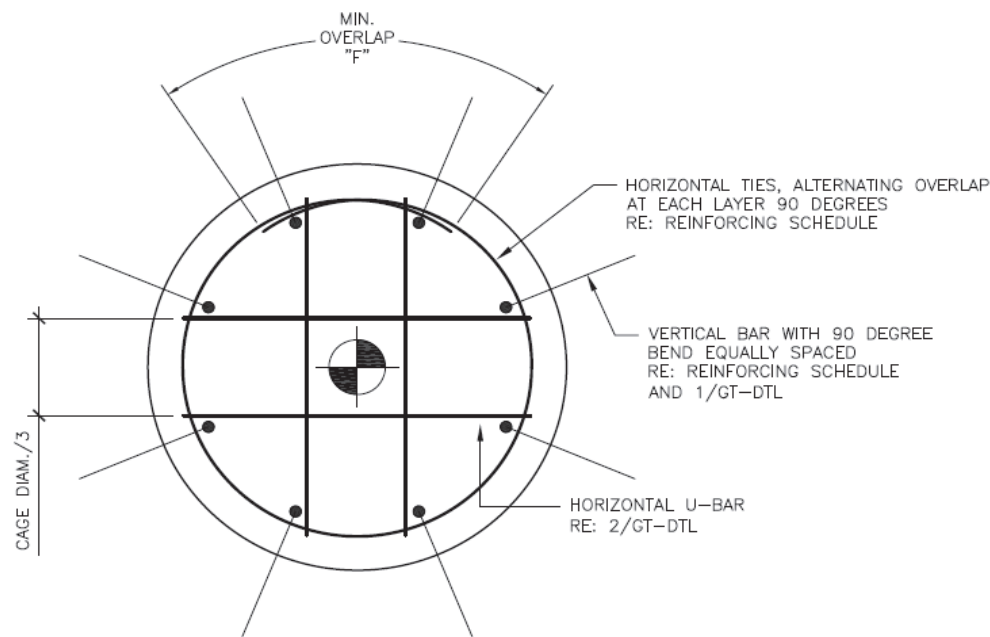
STIPULATION FOR REUSE:

1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE	
A	8' 0"
B	8' 0"
C	0' 6"
D	4' 0"
E	1' 6"
MIN. OVERLAP "F"	2' 3"
DIAMETER	2' 6"
CENTER PIN PROJ.	REF TO MFG

REINFORCING SCHEDULE	SIZE	TOTAL QTY
VERTICAL BARS	# 6	9
HORIZONTAL TIES	# 4	10
U-BAR HORIZONTAL (PEDESTAL)	# 4	4
BOTTOM HORIZONTAL BARS	# 6	18
CORNER BARS	# 4	4

BASE REACTIONS: (FACTORED LOADS)		
VERTICAL	162	KIPS
HORIZONTAL	1	KIPS



3 SECTION
SCALE: N.T.S.



1717 S BOULDER AVE #300, TULSA, OK 74119
(918) 587-4630



8601 SIX FORKS RD., STE. 250, RALEIGH, NC

ISSUED FOR:

REV	DATE	DESCRIPTION
0	07/06/26	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2026



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTIONS OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

PROJECT INFORMATION:

PROJECT NO: 26-003686
SITE NAME: LV TURKEYTOWN
SITE NO: KY-4170
CLIENT NAME: APC TOWERS IV, LLC

DRAWN BY: RANDALL ASHWORTH, E.I.
CHECKED BY: AA

SHEET TITLE:

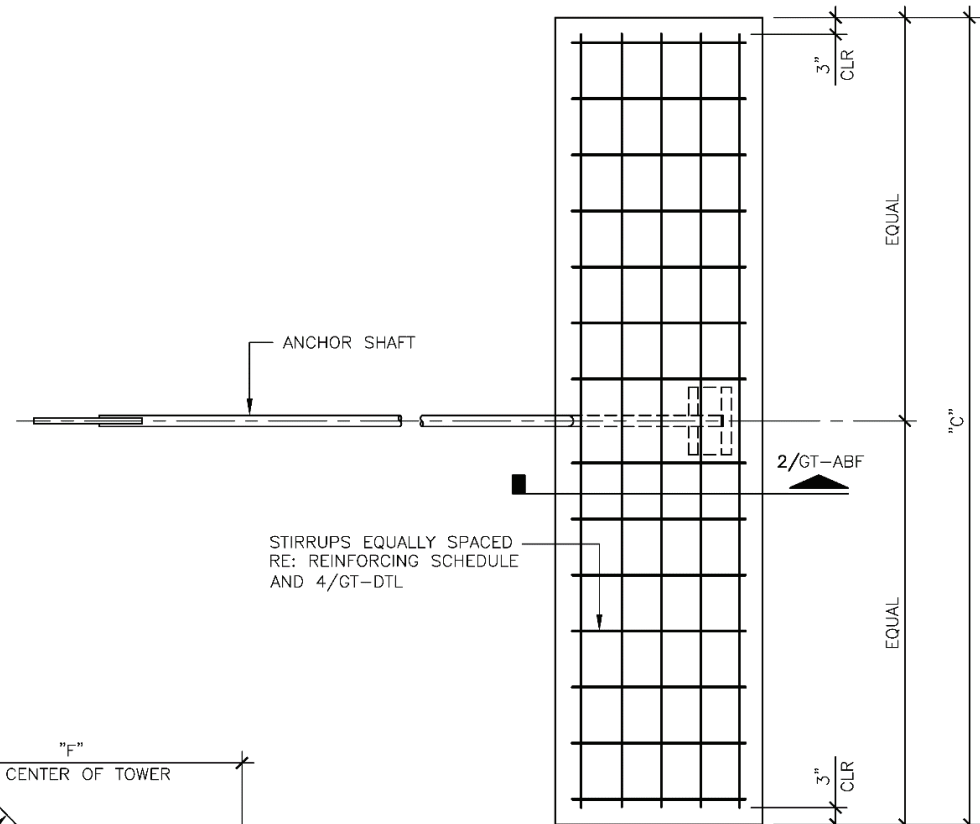
PIER AND PAD FOUNDATION

SHEET NUMBER:

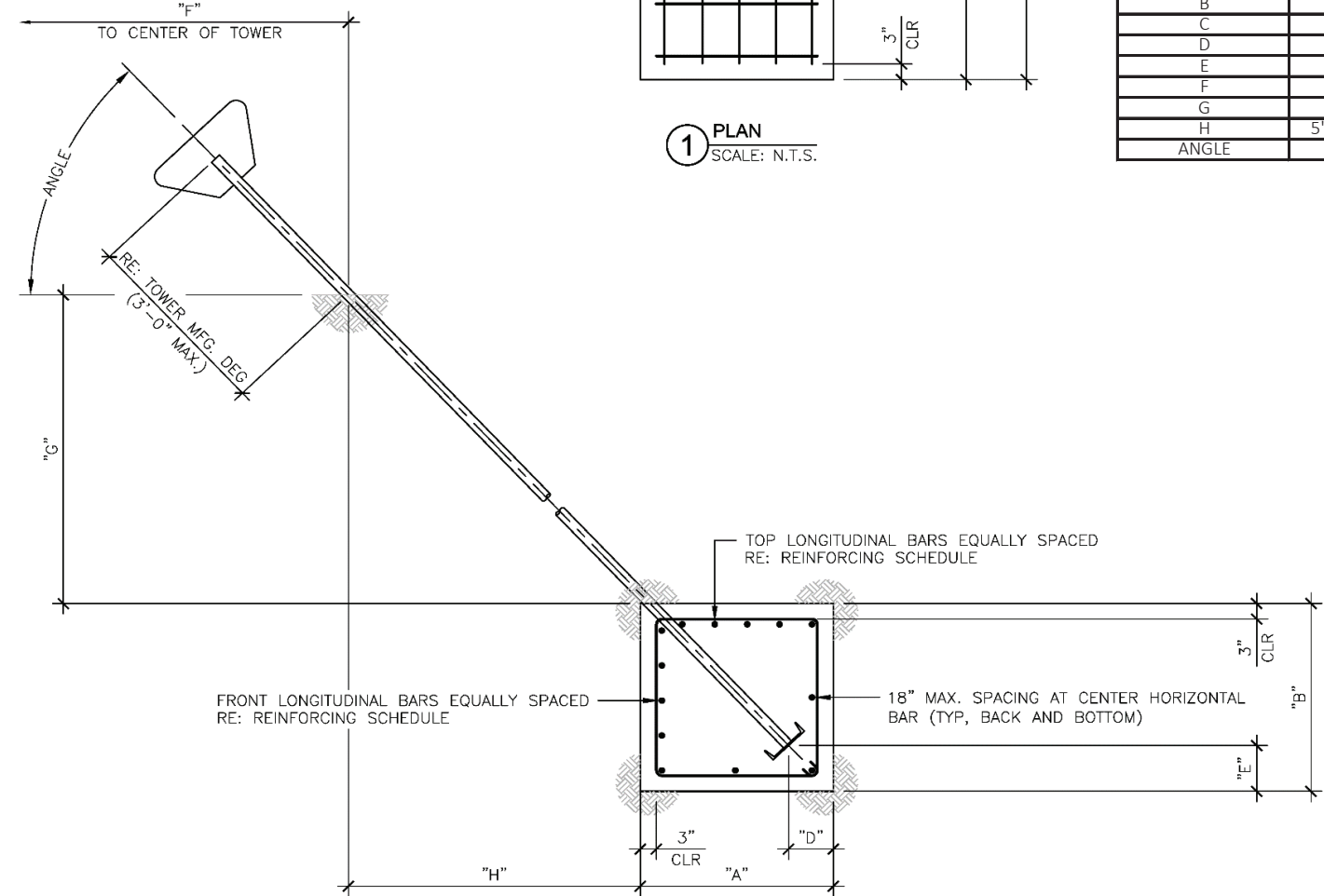
GT-PPF

REVISION:

0



1 PLAN
SCALE: N.T.S.



2 SECTION
SCALE: N.T.S.

- NOTES:**
1. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
 2. REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND THE ACI 315 (LATEST EDITION).
 3. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.
GEOTECHNICAL PROPERTIES BY: ENGINEERED TOWER SOLUTIONS
PROJECT NUMBER: 26146121
DATE: APRIL 08, 2026
 4. THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
 5. CONCRETE VOLUME IN CUBIC YARDS: 1.63
 6. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 7. CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
 8. ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
 9. SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
 10. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8" LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
 11. VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.
 12. ANCHOR SHAFT: BY TOWER MANUFACTURER

STIPULATION FOR REUSE:

1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE	
A	2' 0"
B	2' 0"
C	11' 0"
D	0' 6"
E	0' 6"
F	178' 0"
G	6' 0"
H	5' 10-5/16"
ANGLE	45.5°

REINFORCING SCHEDULE	SIZE	TOTAL QTY
STIRRUPS	# 4	13
LONGITUDINAL BARS TOP	# 6	3
LONGITUDINAL BARS FRONT	# 6	3
LONGITUDINAL BARS BACK	# 6	1
LONGITUDINAL BARS BOTTOM	# 6	2

BASE REACTIONS: (FACTORED LOADS)		
VERTICAL	41	KIPS
HORIZONTAL	40	KIPS



1717 S BOULDER AVE #300, TULSA, OK 74119
(918) 587-4630



8601 SIX FORKS RD., STE. 250, RALEIGH, NC

ISSUED FOR:		
REV	DATE	DESCRIPTION
0	07/06/26	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2026



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTIONS OF A LICENSES PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

PROJECT INFORMATION:

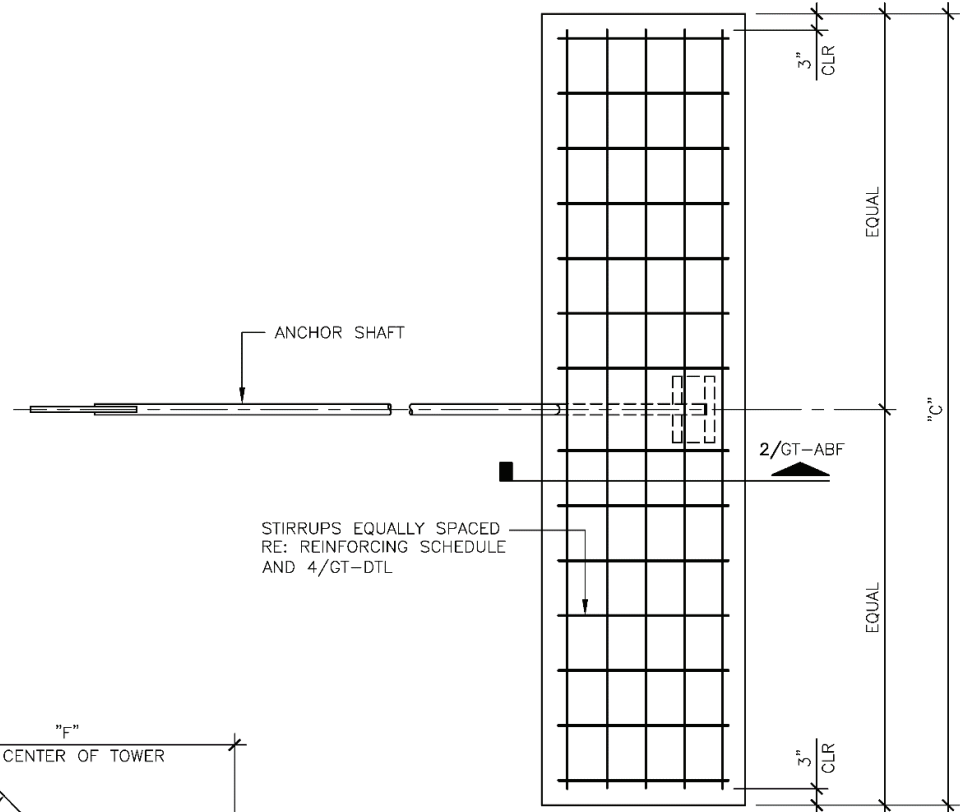
PROJECT NO: 26-003686
SITE NAME: LV TURKEYTOWN
SITE NO: KY-4170
CLIENT NAME: APC TOWERS IV, LLC

DRAWN BY: RANDALL ASHWORTH, E.I.
CHECKED BY: AA

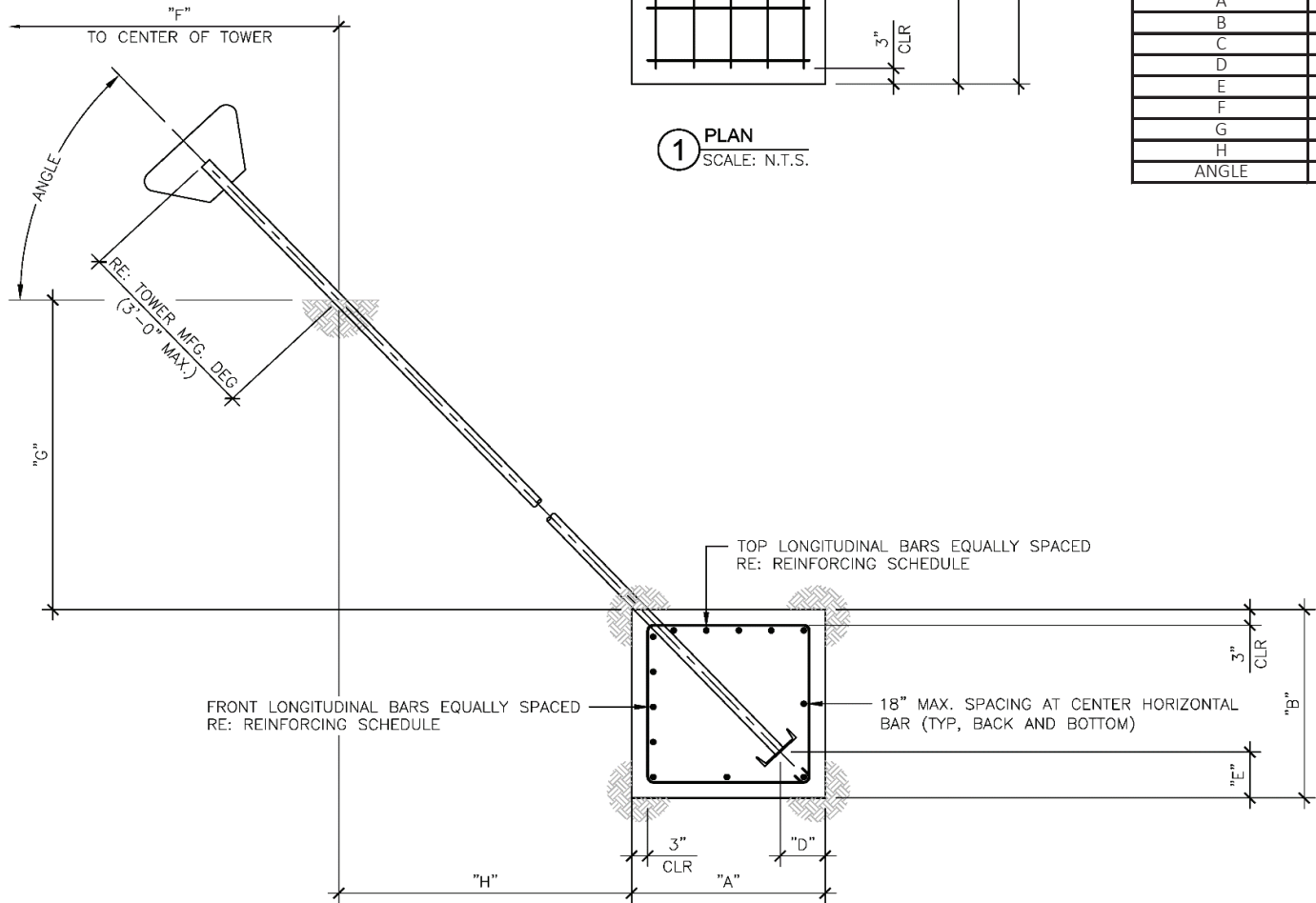
SHEET TITLE:

B2 ANCHOR BLOCK FOUNDATION

SHEET NUMBER:	REVISION:
GT-ABF	0



1 PLAN
SCALE: N.T.S.



2 SECTION
SCALE: N.T.S.

NOTES:

1. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
2. REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND THE ACI 315 (LATEST EDITION).
3. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.
GEOTECHNICAL PROPERTIES BY: ENGINEERED TOWER SOLUTIONS
PROJECT NUMBER: 26146121
DATE: APRIL 08, 2026
4. THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
5. CONCRETE VOLUME IN CUBIC YARDS: 1.63
6. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
7. CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
8. ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
9. SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
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11. VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.
12. ANCHOR SHAFT: BY TOWER MANUFACTURER

STIPULATION FOR REUSE:

1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE	
A	2' 0"
B	2' 0"
C	11' 0"
D	0' 6"
E	0' 6"
F	178' 0"
G	6' 0"
H	5' 11-13/16"
ANGLE	45.1°

REINFORCING SCHEDULE	SIZE	TOTAL QTY
STIRRUPS	# 4	13
LONGITUDINAL BARS TOP	# 6	3
LONGITUDINAL BARS FRONT	# 6	3
LONGITUDINAL BARS BACK	# 6	1
LONGITUDINAL BARS BOTTOM	# 6	2

BASE REACTIONS: (FACTORED LOADS)		
VERTICAL	40	KIPS
HORIZONTAL	40	KIPS



1717 S BOULDER AVE #300, TULSA, OK 74119
(918) 587-4630



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SITE NO: KY-4170
CLIENT NAME: APC TOWERS IV, LLC

DRAWN BY: RANDALL ASHWORTH, E.I.
CHECKED BY: AA

SHEET TITLE:

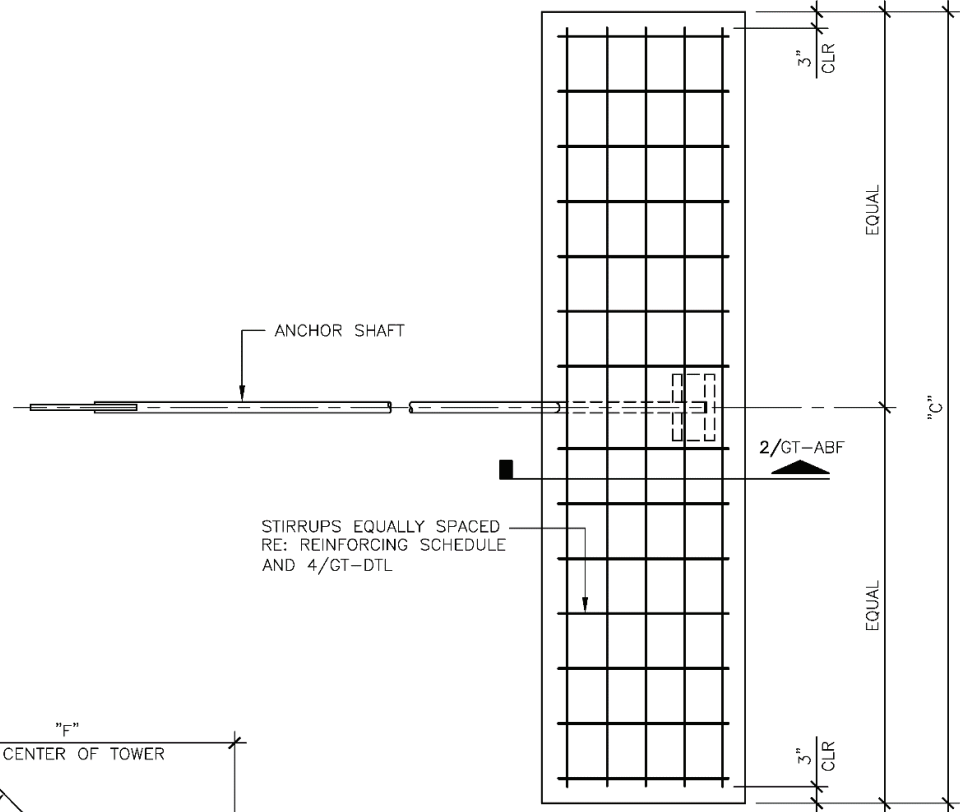
B3 ANCHOR BLOCK FOUNDATION

SHEET NUMBER:

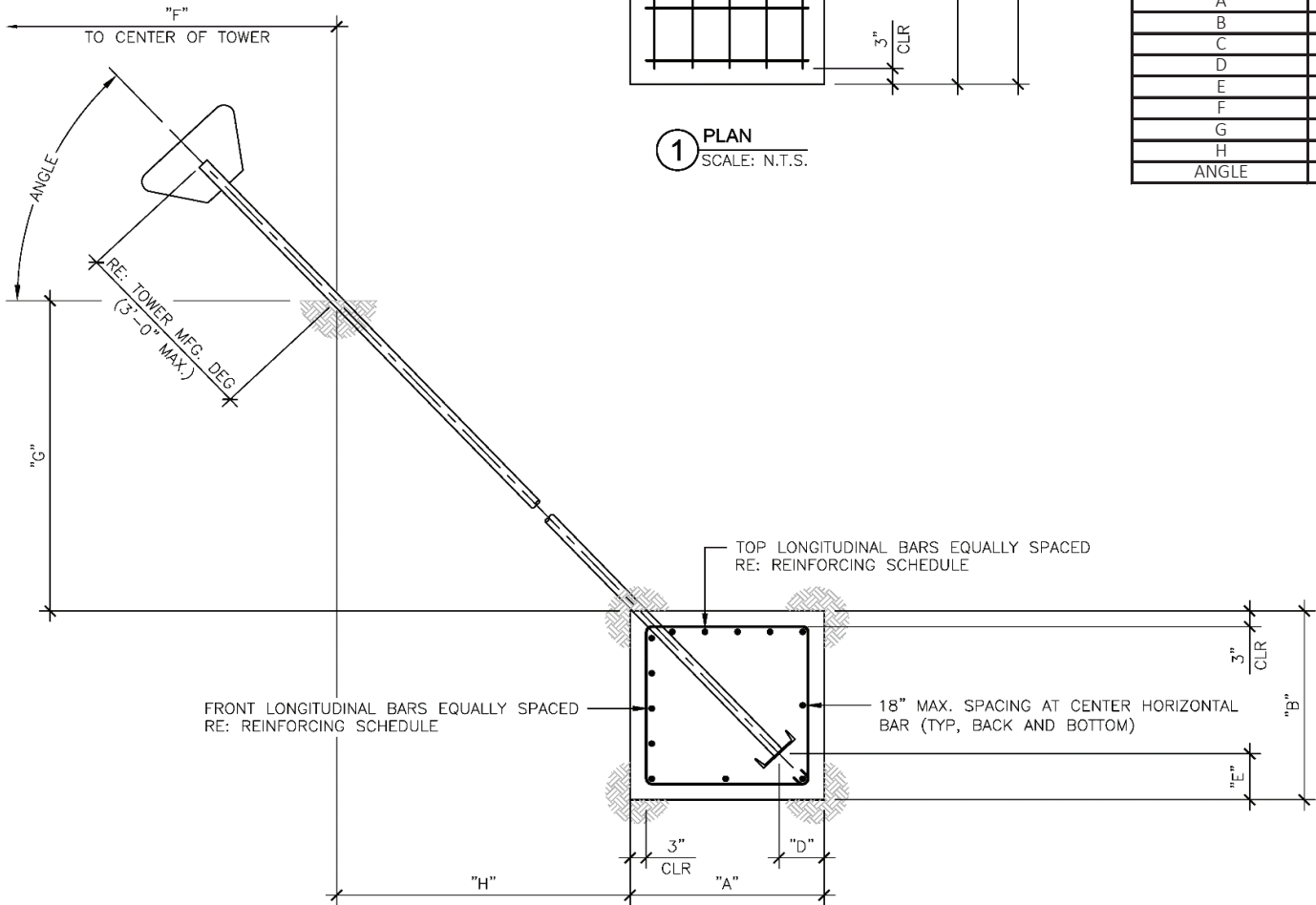
GT-ABF

REVISION:

0



1 PLAN
SCALE: N.T.S.



2 SECTION
SCALE: N.T.S.

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SITE NO: KY-4170
CLIENT NAME: APC TOWERS IV, LLC

DRAWN BY: RANDALL ASHWORTH, E.I.
CHECKED BY: AA

SHEET TITLE:

B4 ANCHOR BLOCK FOUNDATION

SHEET NUMBER:	REVISION:
GT-ABF	0



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SHEET TITLE:

DIMENSIONING DETAIL

SHEET NUMBER:

DTL

REVISION:

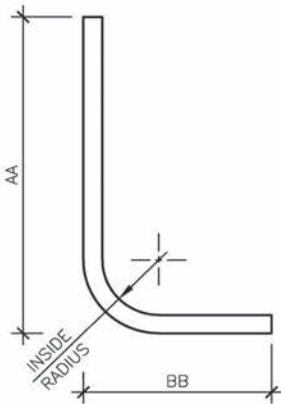
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DIMENSIONING SCHEDULE

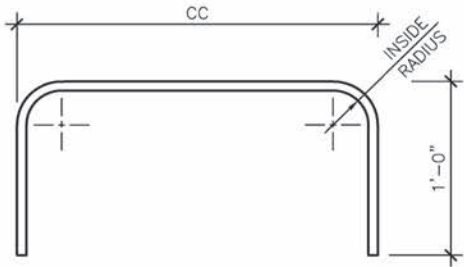
AA*	3' 10-1/2"
BB	1' 0"
CC*	1' 10-5/8"
DD	3' 0"

	B2 ANCHOR	B3 ANCHOR	B4 ANCHOR
EE*	1' 6"	1' 6"	1' 6"
FF*	1' 6"	1' 6"	1' 6"
GG	0' 3"	0' 3"	0' 3"

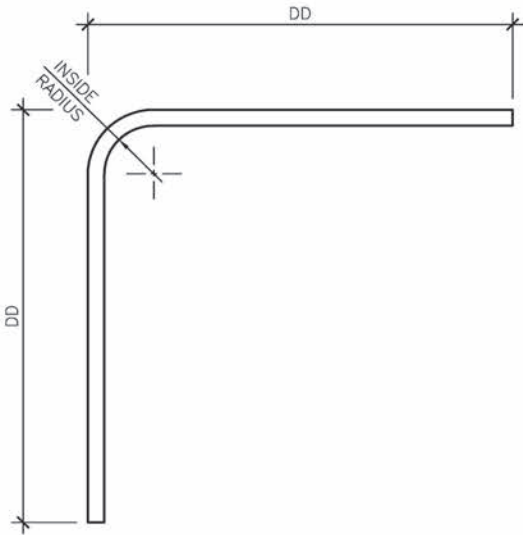
*NOTE: CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO FABRICATION



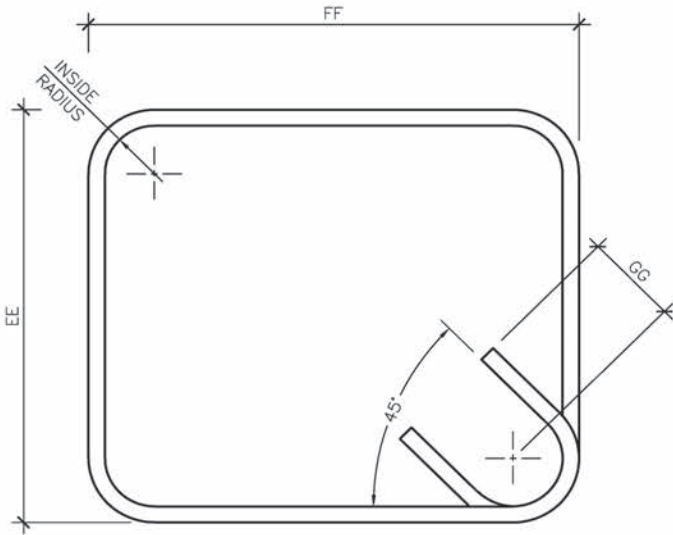
1 L-BAR
SCALE: N.T.S.



2 HORIZONTAL U-BAR
SCALE: N.T.S.



3 CORNER BAR
SCALE: N.T.S.



4 STIRRUP
SCALE: N.T.S.

Pier and Pad Foundation

Project #: 26-003686
 Site Name: LV Turkeytown
 Site #: KY-4170

TIA-222 Revision: H
 Tower Type: Guyed

Top & Bot. Pad Rein. Different?: ☐
 Block Foundation?: ☐
 Rectangular Pad?: ☐

Superstructure Analysis Reactions		
Compression, P_{comp} :	162	kips
Base Shear, V_{u_comp} :	1	kips
Moment, M_u :	0	ft-kips
Tower Height, H :	245	ft
BP Dist. Above Fdn, bp_{dist} :	0	in
Bolt Circle / Bearing Plate Width, BC :	12	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, $dpier$:	2.5	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	6	
Pier Rebar Quantity, mc :	9	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	10	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Pad Properties		
Depth, D :	4	ft
Pad Width, W_1 :	8	ft
Pad Thickness, T :	1.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	6	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	9	
Pad Clear Cover, cc_{pad} :	3	

Material Properties		
Pier Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	4	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	105	pcf
Ultimate Net Bearing, Q_{net} :	5.500	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	29	degrees
SPT Blow Count, N_{blows} :	5	
Base Friction, μ :	0.35	
Neglected Depth, N :	2.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	N/A	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating	Check
Lateral (Sliding) (kips)	38.67	1.00	2.6%	Pass
Bearing Pressure (ksf)	3.55	3.17	89.2%	Pass
Overturning (kip*ft)	145.46	4.50	3.1%	Pass
Pier Flexure (Comp.) (kip*ft)	335.03	3.00	0.9%	Pass
Pier Compression (kip)	3124.31	164.65	5.3%	Pass
Pad Flexure (kip*ft)	240.77	78.32	32.5%	Pass
Pad Shear - 1-way (kips)	126.36	33.03	26.1%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.053	28.2%	Pass
Flexural 2-way (Comp) (kip*ft)	403.33	1.80	0.4%	Pass

Structural Rating:	32.5%
Soil Rating:	89.2%

<--Toggle between Gross and Net

Guyed Anchor Block Foundation

Checks capacity of anchor blocks for a guyed tower.

Project #:	26-003686
Site Name:	LV Turkeytown
Site #:	KY-4170
Location:	

TIA-222 Revision: H

Design Reactions		
Shear, S:	40.00	kips
Uplift, Ua:	41.00	kips
Resultant Force, Rf:	57.28	kips
Tower Height, H:	245.00	ft
Guy Anchor Radius, R:	178.00	ft
Resultant Angle to Horizontal, θ:	45.7	deg

Guy Anchor Properties		
Depth to Bottom of Deadman, Da:	8	ft
Anchor Width, Wa:	2	ft
Anchor Thickness, Ta:	2	ft
Anchor Length, La:	11	ft
Concrete Volume, Vc:	1.6	yd ³
Toe Width, toe:	0	ft
Guyed Anchor Top Rebar Size, Sat:	6	
No. of Bars in Top of Block:	3	
Guyed Anchor Front Rebar Size, Saf:	6	
No. of Bars in Front of Block:	3	
Stirrup Size:	4	

Material Properties		
Rebar Grade, Fy:	60	ksi
Concrete Strength, F'c:	4	ksi
Wt. Avg. Concrete Density, δx:	0.150	kcf
Clear Cover, cc:	3	in

Design Checks				
	Capacity	Demand	Rating	Check
<i>Lateral Capacity (kips):</i>	44.81	40.00	89.3%	Pass
<i>Uplift Capacity (kips):</i>	53.92	41.00	76.0%	Pass
<i>Lateral Flexural Capacity (ft*kips):</i>	116.66	55.00	47.1%	Pass
<i>Uplift Flexural Capacity (ft*kips):</i>	116.66	56.38	48.3%	Pass

Anchor Shaft Rating:	N/A
Structural Rating:	48.3%
Soil Rating:	89.3%

Neglect Depth, Neg:	2.5	ft
Groundwater Level, gw:	N/A	ft

Soil Properties:		No. of Soil Layers:				
Layer	φ, deg	cu, ksf	δ, pcf	d, ft	Ultimate fs (ksf)	N (blows/ft)
1	0	0.000	105	2.00	0.000	
2	0	0.000	105	2.50	0.000	
3	27	0.000	105	4.00		4
4	30	0.000	120	6.00		16
5	25	0.000	115	8.00		13

*key: φ = Internal Angle of Friction
 cu = Cohesion / Undrained Shear Strength
 δ = Buoyant Soil Unit Weight
 d = Depth to Bottom of Layer
 Ultimate fs = Geotechnical Report-provided skin friction / adhesion
 N = SPT Blow Count

EXHIBIT D

COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

KY Public Service Commission

Master Utility Search

- Search for the utility of interest by using any single or combination of criteria.
- Enter Partial names to return the closest match for Utility Name and Address/City/Contact entries.

Utility ID	Utility Name	Address/City/Contact	Utility Type	Status
				Active
Search				

	Utility ID	Utility Name	Utility Type	Class	City	State
View	4002000	1GLOBAL Operations (US) Inc.	Cellular	D	Durham	NC
View	4115150	ACN Communication Services, LLC dba Flash Wireless dba Flash Mobile	Cellular	D	Charlotte	NC
View	4115750	Affiniti Ventures, Inc.	Cellular	D	New York	NY
View	4113600	AFNET, LLC	Cellular	D	Alpharetta	GA
View	4108300	Air Voice Wireless, LLC d/b/a AirTalk Wireless	Cellular	A	Houston	TX
View	4115200	Airespring, Inc.	Cellular	D	Clearwater	FL
View	4111900	ALLNETAIR, INC.	Cellular	D	West Palm Beach	FL
View	44451184	Alltel Corporation d/b/a Verizon Wireless	Cellular	A	Lisle	IL
View	4110850	AltaWorx, LLC	Cellular	D	Fairhope	AL
View	4107800	American Broadband and Telecommunications Company	Cellular	B	Toledo	OH
View	4108650	AmeriMex Communications Corp.	Cellular	D	Safety Harbor	FL

View	4105100	AmeriVision Communications, Inc. d/b/a Affinity 4	Cellular	D	Virginia Beach	VA
View	4114250	Approved Contact LLC	Cellular	D	Jupiter	FL
View	4115050	Aquarius Silver LLC	Cellular	D	Sheridan	WY
View	4105700	Assurance Wireless USA, L.P.	Cellular	D	Atlanta	GA
View	4116450	Atomic Mobile, Inc.	Cellular	D	Spring Lake	NJ
View	4113100	BARK TECHNOLOGIES, INC.	Cellular	D	Kaysville	UT
View	4108600	BCN Telecom, Inc.	Cellular	D	Boca Raton	FL
View	4106000	Best Buy Health, Inc. d/b/a GreatCall d/b/a Jitterbug	Cellular	A	Richfield	MN
View	4116500	Best Networks, Inc dba Pronto Mobile	Cellular	D	Lewes	DE
View	4111050	BlueBird Communications, LLC	Cellular	D	New York	NY
View	4107600	Boomerang Wireless, LLC	Cellular	B	Kennett Square	PA
View	4112000	Boost SubscriberCo, L.L.C.	Cellular	A	Littleton	CO
View	4116800	Brick Phone, Inc.	Cellular	C	Brooklyn	NY
View	4115500	CALL CENTERS INDIA INCORPORATED d/b/a Blueconnects	Cellular	D	New York	NY
View	4116700	Carrier Pigeon, LLC	Cellular	C	Kennett Square	PA
View	4100700	Cellco Partnership dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4106600	Cintex Wireless, LLC	Cellular	D	Houston	TX
View	4114550	Cliq Communications LLC d/b/a Cliq Mobile	Cellular	D	Coral Gables	FL
View	4111150	Comcast OTR1, LLC	Cellular	A	Phoeniexville	PA
View	4116350	Compax MVNO Venture, Inc.	Cellular	D	Hillsboro	OR
View	4101900	Consumer Cellular, Incorporated	Cellular	A	Portland	OR
View	4112700	Cox Wireless, LLC	Cellular	D	Atlanta	GA
View	4108850	Cricket Wireless, LLC	Cellular	A	San Antonio	TX
View	4111500	CSC Wireless, LLC d/b/a Altice Wireless	Cellular	A	Long Island City	NY
View	4116850	Culture Wireless Group, Inc.	Cellular	C	Atlanta	GA
View	4114000	Daywalker Mobile Inc.	Cellular	D	Bartlesville	OK
View	4116950	Diez Mobile US, Inc.	Cellular	C	Cambridge	MA

View	4111200	Dynalink Communications, Inc.	Cellular	C	Brooklyn	NY
View	4111800	Earthlink, LLC	Cellular	D	Atlanta	GA
View	4101000	East Kentucky Network, LLC dba Appalachian Wireless	Cellular	A	Ivel	KY
View	4002300	Easy Telephone Service Company dba Easy Wireless	Cellular	D	Ocala	FL
View	4109500	Enhanced Communications Group, LLC	Cellular	D	Bartlesville	OK
View	4112400	Excess Telecom Inc.	Cellular	D	Las Vegas	NV
View	4116100	Fierce Data Solutions, LLC	Cellular	D	Las Vegas	NV
View	4116050	Flex Mobile, Inc.	Cellular	D	Las Vegas	NV
View	4104800	France Telecom Corporate Solutions L.L.C.	Cellular	D	Reston	VA
View	4111750	Gabb Wireless, Inc.	Cellular	A	Lehi	UT
View	4109350	Global Connection Inc. of America	Cellular	D	Miami	FL
View	4102200	Globalstar USA, LLC	Cellular	C	Covington	LA
View	4112850	GO TECHNOLOGY MANAGEMENT, LLC	Cellular	D	Atlanta	GA
View	4109600	Google North America Inc.	Cellular	A	Mountain View	CA
View	33350363	Granite Telecommunications, LLC	Cellular	D	Quincy	MA
View	4114050	Helix Wireless Inc.	Cellular	D	Monmouth Junction	NJ
View	4111350	HELLO MOBILE TELECOM LLC	Cellular	D	Dania Beach	FL
View	4112950	Hoop Wireless, LLC	Cellular	D	Lakewood	NJ
View	4103100	i-Wireless, LLC	Cellular	D	Newport	KY
View	4112550	IDT Domestic Telecom, Inc.	Cellular	D	Newark	NJ
View	4109800	IM Telecom, LLC d/b/a Infiniti Mobile	Cellular	D	Plano	TX
View	4112650	Insight Mobile, Inc.	Cellular	D	Los Angeles	CA
View	4116650	INSTABRIDGE, INC.	Cellular	C	Chigaco	IL
View	4117000	Instructional Telecommunications Foundation, Inc. dba Mission Telecom	Cellular	C	Englewood	CO
View	4111950	J Rhodes Enterprises LLC	Cellular	D	Gulf Breeze	FL
View	22215360	KDDI America, Inc.	Cellular	D	Staten Island	NY

View	10872	Kentucky RSA #1 Partnership	Cellular	A	Basking Ridge	NJ
View	4116900	Kind Wireless LLC	Cellular	C	Kennett Square	PA
View	4112200	Lexvor Inc.	Cellular	D	Irvine	CA
View	4111250	Liberty Mobile Wireless, LLC	Cellular	D	Sunny Isles Beach	FL
View	4111400	Locus Telecommunications, LLC	Cellular	B	Teaneck	NJ
View	4107300	Lycamobile USA, Inc.	Cellular	D	Newark	NJ
View	4112500	Marconi Wireless Holdings, LLC	Cellular	C	West Palm Beach	FL
View	4114800	Mediacom Wireless LLC	Cellular	D	Mediacom Park	NY
View	4108800	MetroPCS Michigan, LLC	Cellular	A	Bellevue	WA
View	4111700	Mint Mobile, LLC	Cellular	A	Costa Mesa	CA
View	4115100	Mobile 13, Inc	Cellular	D	South Jordan	UT
View	4114950	Moxee Technologies LLC dba COLLEGIATE MOBILE	Cellular	D	Sparks	NV
View	4114100	MVNO Connect LLC	Cellular	D	Bellevue	WA
View	4113350	NatWireless, LLC	Cellular	D	Houston	TX
View	4202400	New Cingular Wireless PCS, LLC	Cellular	A	San Antonio	TX
View	4110700	Norcell, LLC	Cellular	D	Clayton	WA
View	4113700	Nova Labs, Inc. dba Helium Mobile	Cellular	D	San Francisco	CA
View	4110750	Onvoy Spectrum, LLC	Cellular	D	Chicago	IL
View	4116750	OXIO Corpation	Cellular	C	New York	NY
View	4109050	Patriot Mobile LLC	Cellular	A	Grapevine	TX
View	4116150	Peak Data Solutions, LLC	Cellular	D	Camden	DE
View	4115600	PHREELI COMPANY	Cellular	D	Lewes	DE
View	4110250	Plintron Technologies USA LLC	Cellular	D	Bellevue	WA
View	4115650	PLUG MOBILE LLC	Cellular	D	Olivette	MO
View	33351182	PNG Telecommunications, Inc. dba PowerNet Global Communications	Cellular	D	Cincinnati	OH
View	4112800	Prepaid Wireless Group, LLC dba Prepaid Wireless Wholesale	Cellular	D	Rockville	MD
View	4114350	PRESTO WIRELESS Corp.	Cellular	D	Fair Lawn	NJ
View	4107700	Puretalk Holdings, Inc.	Cellular	C	Covington	GA
View	4106700	Q Link Wireless, LLC	Cellular	A	Dania	FL

View	4116600	Qikfox Cybersecurity Systems, Inc.	Cellular	C	San Mateo	CA
View	4115900	RABONA CORPORATION	Cellular	D	New York	NY
View	4113200	Red Pocket Inc.	Cellular	D	Thousand Oaks	CA
View	4116000	Ringer Mobile, LLC	Cellular	D	Peachtree Corners	GA
View	4116400	Rizz Wireless LLC	Cellular	D	San Francisco	CA
View	4114200	Rocstar Wireless LLC	Cellular	D	Bedford	TX
View	4114700	Rocket Mobile LLC	Cellular	D	West Palm Beach	FL
View	4115400	RSCU Mobile, LLC	Cellular	D	Alpine	UT
View	4106200	Rural Cellular Corporation	Cellular	A	Basking Ridge	NJ
View	4108550	Sage Telecom Communications, LLC dba TruConnect	Cellular	D	Los Angeles	CA
View	4113050	Sarver Corporation	Cellular	D	Rancho Cucamonga	CA
View	4109150	SelecTel, Inc. d/b/a SelecTel Wireless	Cellular	B	Fremont	NE
View	4116550	Smartless Mobile, LLC	Cellular	D	Culver City	CA
View	4110150	Spectrotel of the South LLC dba Touch Base Communications	Cellular	D	Neptune	NJ
View	4111450	Spectrum Mobile, LLC	Cellular	A	St. Louis	MO
View	4114400	Splash Cellular Inc.	Cellular	D	Bountiful	UT
View	4111600	STX Group LLC dba Twigby	Cellular	D	Murfreesboro	TN
View	4115450	Surf Telecom, LLC	Cellular	D	Key Bixcayne	FL
View	4115950	Switch Mobile, LLC	Cellular	D	Layton	UT
View	4202200	T-Mobile Central, LLC dba T-Mobile	Cellular	A	Bellevue	WA
View	4002500	TAG Mobility, LLC d/b/a TAG Mobile	Cellular	D	Houston	TX
View	4115850	TELCO Communications LLC dba TELCO CELLULAR	Cellular	D	Oceanside	NY
View	4116200	Telco Papa Ltd	Cellular	D	Palo Alto	CA
View	4107200	Telefonica Global Solutions USA, Inc.	Cellular	D	Miami	FL
View	4112100	Tello LLC	Cellular	A	Atlanta	GA
View	4108900	Telrite Corporation	Cellular	D	Covington	GA
View	4108450	Tempo Telecom, LLC	Cellular	D	Dallas	TX
View	4113900	TERRACOM Inc. d/b/a Maxsip Tel	Cellular	D	Chattanooga	TN
View	4113950	THE LIGHT PHONE INC.	Cellular	D	Brooklyn	NY

View	4113250	Thrive Health Tech, Inc.	Cellular	D	Nashville	TN
View	4110400	Torch Wireless Corp.	Cellular	D	Bartlett	TN
View	4103300	Touchtone Communications, Inc.	Cellular	D	Cedar Knolls	NJ
View	4115350	TREK CELLULAR, LLC	Cellular	D	Stevensville	MD
View	4112250	TROOMI WIRELESS, Inc.	Cellular	B	Orem	UT
View	4114600	TruConnect Communications, Inc.	Cellular	D	Los Angeles	CA
View	4112600	Tube Incorporated dba Reach Mobile	Cellular	D	Atlanta	GA
View	4112750	Unity Wireless, Inc.	Cellular	D	Pembroke Pines	FL
View	4116300	US Mobile, Inc.	Cellular	A	New York	NY
View	4115800	USA Mobile LLC	Cellular	D	Laguna Beach	CA
View	4110300	UVNV, Inc. d/b/a Mint Mobile	Cellular	D	Costa Mesa	CA
View	10630	Verizon Americas LLC dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4104200	Verizon Value, Inc.	Cellular	D	Miami	FL
View	4110800	Visible Service LLC	Cellular	C	Basking Ridge	NJ
View	4115700	Viva-US Communications, Inc.	Cellular	D	San Diego	CA
View	4113750	VOLT MOBILE Inc	Cellular	D	Delray Beach	FL
View	4114450	WeIncentivize LLC d/b/a ChosenWireless	Cellular	D	San Diego	CA
View	4115250	WHOOB MOBILE INC.	Cellular	D	Melbourne	FL
View	4106500	WiMacTel, Inc.	Cellular	D	San Antonio	TX
View	4110950	Wing Tel Inc.	Cellular	C	New York	NY
View	4113650	XCHANGE TELECOM LLC	Cellular	D	Brooklyn	NY
View	4116250	Yonder Media Mobile Inc. dba Yo Mobile	Cellular	D	Bronx	NY
View	4112150	Zefcom, LLC	Cellular	D	Wichita Falls	TX

EXHIBIT E

**FEDERAL AVIATION ADMINISTRATION
DOCUMENTATION**



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2026-ASO-4780-OE

Issued Date: 05/28/2026

APC TOWERS
JONATHAN GREENE
8601 Six Forks Rd
Suite 250
Raleigh, NC 27615

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Antenna Tower KY-4170 LV Turkeytown
County, State: Rockcastle, Kentucky

Collected Point(s):

Label	Latitude	Longitude	SE	DET AGL	AMSL
pt-1	37-25-50.03N	84-27-34.83W	923 Ft	250 Ft	1173 Ft

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Emissions from this site must be in compliance with the parameters set by collaboration between the FAA and telecommunications companies and reflected in the FAA 5G C band compatibility evaluation process (such as power, frequencies, and tilt angle). Operational use of this frequency band is not objectionable provided the Wireless Providers (WP) obtain and adhere to the parameters established by the FAA 5G C band compatibility evaluation process. **Failure to comply with this condition will void this determination of no hazard.**

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 M Change 1, Obstruction Marking and Lighting, a med-dual system-Chapters 4,8(M-Dual),&15.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

☐ At least 10 days prior to start of construction (7460-2, Part 1)
☒ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.

This determination expires on 11/28/2027 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at 1-817-222-5924, or amber.a-CTR.davis@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2026-ASO-4780-OE.

Signature Control No: 695544648-706616069

(DNE)

Amber Davis
Technician

Attachment(s)
Additional Information
Frequency Data
Map(s)

cc: FCC

Additional information for ASN 2026-ASO-4780-OE

***Part 77 authorizes the FAA to evaluate a structure or object's potential electromagnetic effects on air navigation, communication facilities, and other surveillance systems. It also authorizes study of impact on arrival, departure, and en route procedures for aircraft operating under visual or instrument flight rules, as well as the impact on airport traffic capacity at existing public use airports. Broadcast in the 3.7 to 3.98 GHz frequency (5G C band) currently causes errors in certain aircraft radio altimeters and the FAA has determined they cannot be relied upon to perform their intended function when experiencing interference from wireless broadband operations in the 5G C band. The FAA has adopted Airworthiness Directives for all transport and commuter category aircraft equipped with radio altimeters that prohibit certain operations when in the presence of 5G C band.

This determination of no hazard is based upon those mitigations implemented by the FAA and operators of transport and commuter category aircraft, and helicopters operating in the vicinity of your proposed location. It is also based on telecommunication industry and FAA collaboration on acceptable power levels and other parameters as reflected in the FAA 5G C band evaluation process.

The FAA 5G C band compatibility evaluation is a data analytics system used by FAA to evaluate operational hazards related to aircraft design. The FAA 5G C band compatibility evaluation process refers to the process in which the telecommunication companies and the FAA have set parameters, such as power output, locations, frequencies, and tilt angles for antenna that mitigate the hazard to aviation. As the telecommunication companies and FAA refine the tools and methodology, the allowable frequencies and power levels may change in the FAA 5G C band compatibility evaluation process. Therefore, your proposal will not have a substantial adverse effect on the safe and efficient use of the navigable airspace by aircraft provided the equipment and emissions are in compliance with the parameters established through the FAA 5G C band compatibility evaluation process.

Any future changes that are not consistent with the parameters listed in the FAA 5G C band compatibility evaluation process will void this determination of no hazard.

Frequency Data for ASN 2026-ASO-4780-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
6	7	GHz	42	dBW
6	7	GHz	55	dBW
10	11.7	GHz	42	dBW
10	11.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
21.2	23.6	GHz	42	dBW
21.2	23.6	GHz	55	dBW
614	698	MHz	1000	W
614	698	MHz	2000	W
698	806	MHz	1000	W
806	824	MHz	500	W
806	901	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W
3700	3980	MHz	1640	W
3700	3980	MHz	3280	W

Verified Map for ASN 2026-ASO-4780-OE



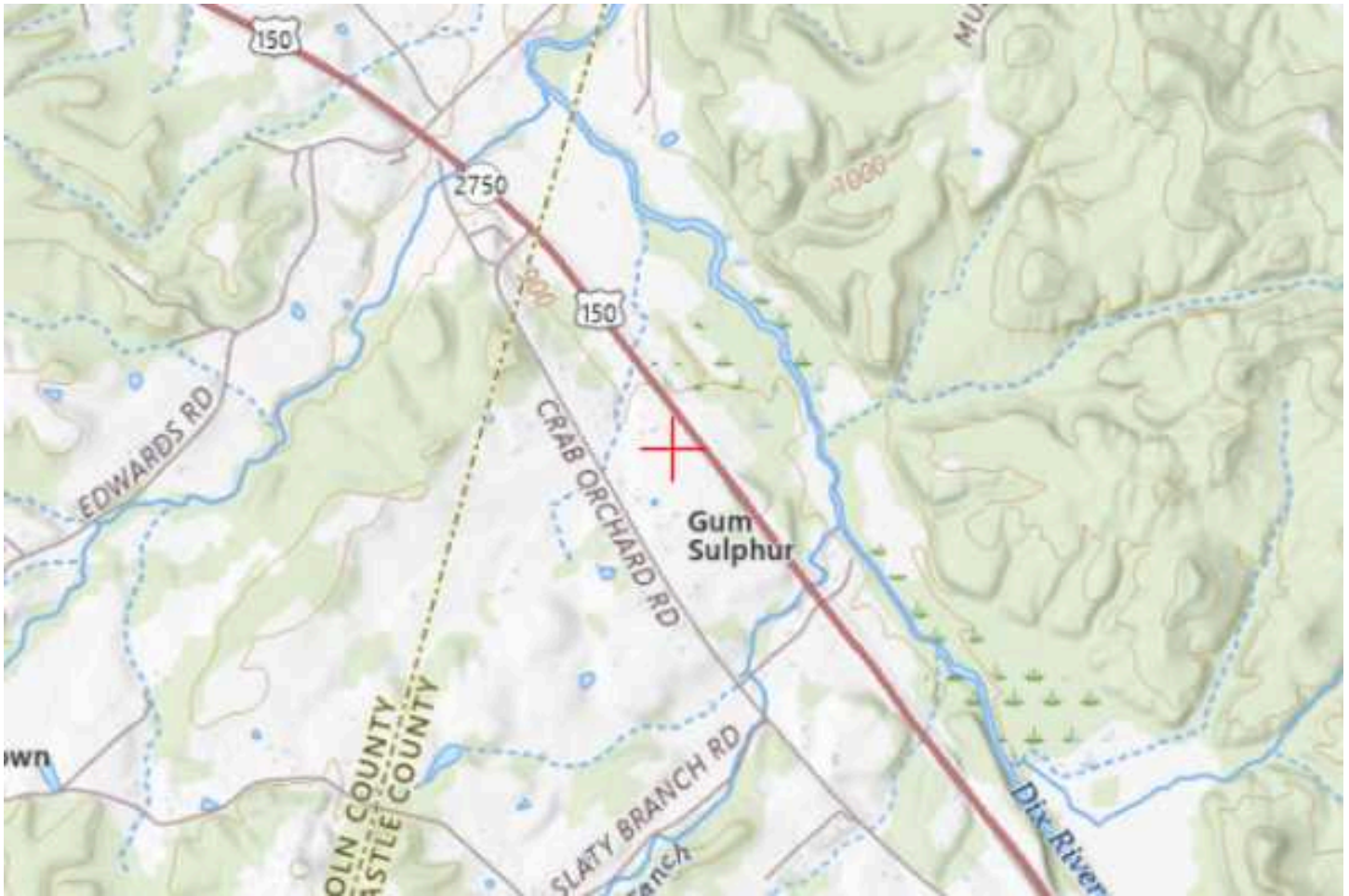


EXHIBIT F

**KENTUCKY AIRPORT ZONING COMMISSION
DOCUMENTATION**



KENTUCKY AIRPORT ZONING COMMISSION

ANDY BESHEAR
Governor

Department of Aviation, 90 Airport Road
Frankfort, KY 40601
www.transportation.ky.gov
502-564-0151

REBECCA GOODMAN
Secretary

APPROVAL OF APPLICATION

Wednesday, July 8, 2026

APC Towers
8601 Six Forks Road, Suite 250
Raleigh, NC 27615

AS-2026-030-RGA **Central KY Regional Airport**
APPLICANTS NAME: APC Towers
NEAREST CITY: Crab Orchard, KY
LATITUDE/LONGITUDE: 37°25'50.03" N, 84°27'34.83" W
HEIGHT (In Feet): 250' AGL/1,173' AMSL
CONSTRUCTION PROPOSED: Communications Tower

NOTES: The tower is located approx 13.5 nm SSW of RGA and penetrates no protected air surfaces.

FAA DETERMINATION: 2026-ASO-4780-OE. No Hazard to Air Navigation. Marking and lighting required; FAA AC 70/7460-1 M C1, med-dual systems-Chapters 4,8(M-Dual), & 15.

This letter is to notify you that the Kentucky Airport Zoning Commission approved your permit application for the construction of Structures at the Location, Coordinates, and Height as indicated above. Construction must comply with requirements, if any, listed in the FAA Determination.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

An email of this letter was also sent to your representative, Jack Luckadoo, at jluckadoo@apctowers.com. If you have any questions, please contact us.

Respectfully,

Anthony Adams

Airport Zoning Administrator
Department of Aviation
502-564-0151 office
AirportZoning@ky.gov



EXHIBIT G
GEOTECHNICAL REPORT

GEOTECHNICAL REPORT OF SUBSURFACE INVESTIGATION

April 8, 2026

**PROPOSED GUYED TOWER
LV TURKEYTOWN
(KY-4170)**

**Dysart Way
Crab Orchard, KY 40419**

37.430563, -84.459676

Prepared for:

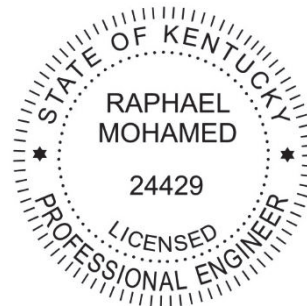


Prepared by:



A handwritten signature in black ink that reads 'Tyler Schueller'.

Tyler Schueller
Geotechnical Engineer I



Raphael Mohamed, P.E.
Registered KY 24429

Reviewed by: Jorge Varela, P.E.
Senior Geotechnical Engineer

**Engineered Tower Solutions, PLLC - 3227 Wellington Court - Raleigh, NC 27615
(919) 782-2710**

Project Summary

Item	Description
Project Description	A geotechnical exploration and report have been prepared for this proposed 245-foot guyed tower with 5-foot lighting arrestor. Included in this report are the results of the field exploration and the recommendations for the design of the foundation system.
Site Coordinates	Latitude: 37.430563 Longitude: -84.459676
Site Condition	The proposed tower will be installed at Dysart Way in Crab Orchard, Kentucky
Frost Depth	Based on the TIA Standard (TIA-222-H), dated October 2017, the recommended design frost penetration depth to be used for Rockcastle County, KY is 30 inches (2.5 ft).
Groundwater	Groundwater was not encountered at the time of drilling. Please note that subsurface water levels will fluctuate with seasonal and cyclical temperatures and precipitation and can be higher or lower at other times.
Proposed Foundation	We assume the proposed foundation will be supported with either pad and pier or drilled shaft (caisson).

Field Exploration

Item	Description
Date	April 2 nd , 2026
Number of Borings	4
Location	B-1: Latitude: 37.430563 Longitude: -84.459676 B-2: Latitude: 37.431111 Longitude: -84.459738 B-3: Latitude: 37.430304 Longitude: -84.460288 B-4: Latitude: 37.430305 Longitude: -84.459065
Equipment Used	CME 550
Advancement Method	Hollow Stem Auger (HSA) and Rock Coring
Sampling Method	ASTM D-1586 with 1.5 I.D. Split Spoon Sampler ASTM D2113 Standard Practice for Rock Core Drilling and Sampling of Rock for Site Exploration

Laboratory Classification and Testing

Standard	Description
ASTM D2488	Standard Practice for Description and Identification of Soils
ASTM G187	Standard Test Method for Measurement of Soil Resistivity Using the Two-Electrode Soil Box Method

Subsurface Profile

Based on the results of our borings, the soils beneath the surface can be summarized in the table below:

Material Encountered	Description	Consistency / Density
SILT	Tan and gray, sandy silt and sandy elastic silt	Soft to Hard
SAND	Tan and gray, clayey sand	Very Loose to Medium Dense
SHALE	Moderately weathered and highly fractured shale	--

1. Refer to boring logs for stratification details

Detailed descriptions of conditions encountered at each exploration point are indicated on the individual logs in the Appendix B. Stratification boundaries on the boring logs represent the approximate location of changes in soil types; in-situ, the transition between materials may be gradual.

Groundwater was not encountered at the time of drilling. Groundwater levels will fluctuate with seasonal and climatic changes and may be different at other times.

Earthwork Recommendations – Equipment Mat

Earthwork is anticipated to include excavations and fill placement. The following sections provide recommendations for use in the preparation of the equipment mat foundation area and access drive.

Site Preparation

The subgrade should be evaluated under the direction of the Geotechnical Engineer. Areas where soft material are present or excessively wet or dry material should either be removed, or moisture conditioned and recompacted.

Fill Material Types

Soil Type	USCS Classification	Acceptable Parameters (for Structural Fill)
Imported Low- to Moderate- Plasticity Soil ²	CL, ML, SC or SM	All locations and elevations
Sand / Gravel with greater than 12% fines	GW/GP, SW/SP	Crushed stone base course may be used for the access roadway or beneath shallow foundations as a replacement material for overexcavated soils.
Near-Surface On-site soils ²	SC	On-site soils generally appear suitable for use as fill when they contain at least 12% fines (clay and/or silt) and are compacted at an appropriate moisture content.

1. Controlled, compacted fill should consist of approved materials that are free of organic matter and debris. A sample of each material type should be submitted to the geotechnical engineer for evaluation.
2. Low- to moderate-plasticity cohesive soil or granular soil having at least 12% fines

Fill Compaction Requirements

Item	Structural Fill	General Fill
Maximum Lift Thickness	8 inches or less in loose thickness when heavy, self-propelled compaction equipment is used	Same as Structural fill
Minimum Compaction Requirements ^{1,2}	98% of max. below foundations and within 1 foot of finished pavement subgrade 95% of max. above foundations, below floor slabs, and more than 1 foot below finished pavement subgrade	92% of max.
Water Content Range ¹	Low plasticity cohesive: -2% to +3% of optimum High plasticity cohesive: 0 to +4% of optimum Granular: -3% to +3% of optimum	As required to achieve min. compaction requirements

1. Maximum density and optimum water content as determined by the standard Proctor test (ASTM D 698).
2. High plasticity cohesive fill should not be compacted to more than 100% of standard Proctor maximum dry density.

Excavations

Groundwater was not encountered at the time of drilling. Although not expected, if encountered in deep trench excavations during construction, groundwater or perched groundwater will require dewatering until backfilling operations are complete.

All excavations that may be required should, at a minimum, comply with applicable local, state and federal safety regulations, including the current OSHA Excavation and Trench Safety Standards to provide stability and safe working conditions.

Slopes

For permanent slopes in unreinforced compacted fill areas, we recommended maximum configurations of 3:1 (Horizontal: Vertical) for the cohesive soils (clay) found at the site.

If steeper slopes are required for site development, stability analyses should be completed to design the grading plan. The face of all slopes should be compacted to the minimum specification for fill embankments. Fill slopes should be overbuilt and trimmed to compacted material.

Earthwork Construction Considerations

The near-surface, on-site soils will lose strength when exposed to moisture. To the extent practical, earthwork should be performed during drier periods of weather. Increased remedial measures due to wet and soft or otherwise unsuitable conditions should be expected if earthwork is performed during colder and wetter periods of weather.

A qualified geotechnical engineer should be retained during the earthwork phase of the project to observe earthwork and to perform necessary tests and observations during subgrade preparation; to monitor proof-rolling, placement and compaction of controlled compacted fills, and backfilling of excavations to the completed subgrade.

Foundations Recommendations

The following recommendations are made based on our review of the test boring data and our past experience with similar projects and subsurface conditions. Ultimate soil strength parameters are presented on table below.

Ultimate Strength Parameters

Boring #	Depth (ft)	Unified Soil Classification	Total Unit Weight (pcf)	Friction Angle (degrees)	Cohesion (psf)
B-1	0.0 – 2.0	SC	105	29	--
	2.0 – 4.0	SC	115	30	--
	4.0 – 6.0	SC	120	30	--
	6.0 – 8.0	ML	125	27	--
	8.0 – 12.5	ML	125	27	--
	12.5 – 17.5	SHALE	145	45	--
	17.5 – 22.5	SHALE	145	45	--
B-2	0.0 – 2.0	SC	105	27	--
	2.0 – 4.0	SC	105	27	--
	4.0 – 6.0	SC	120	30	--
	6.0 – 8.5	ML	115	25	--
B-3	0.0 – 2.0	ML	105	25	--
	2.0 – 4.0	SC	105	29	--
	4.0 – 6.0	SC	115	30	--
	6.0 – 8.0	SC	115	30	--
	8.0 – 13.5	ML	125	27	--
B-4	0.0 – 2.0	MH	105	25	--
	2.0 – 4.0	SC	105	29	--
	4.0 – 6.0	SC	120	30	--
	6.0 – 8.0	MH	120	25	--
	8.0 – 13.0	ML	125	27	--

1. Groundwater was not encountered at the time of drilling.

Based on the subsurface conditions and typical design foundation loads for similar guyed towers, we recommend that either a caisson (drilled shaft) or a pad/pier be used to support the new tower.

Modulus of Subgrade Reaction

A vertical and horizontal modulus of subgrade reaction may be derived using the following equations and soils parameters expressed in the above table:

$$k_{s-v} = 12 \cdot SF \cdot q_a$$

$$k_{s-h} = k_{s-v} \cdot B$$

Where:

q_a = Allowable Bearing Capacity (ksf)

SF = Safety Factor

B = Base width (ft), use 1 if $B < 1$ ft

k_{s-v} = Vertical Modulus of Subgrade Reaction (kef)

k_{s-h} = Horizontal Modulus of Subgrade Reaction (ksf)

Caisson (Drilled Shaft)

Should caissons (drilled shafts) be used, the caissons (drilled shafts) will achieve compressive (downward) and tensile (uplift) resistance through skin friction along the sides of the shafts. In addition to skin friction, bearing resistance at the caisson's tip will contribute to compressive capacity. We recommend the values given the table below be used for this project. Please note the tip bearing capacity and skin frictions are net ultimate and ultimate values respectively. Appropriate factors of safety or resistance factors should be used. Lateral loads can be resisted by the lateral stiffness of the soil. Parameters for analysis of the laterally loaded caisson are also given the table below.

Caisson (Drilled Shaft) Parameters

Depth (ft)	Net Ultimate Tip Bearing Capacity (ksf)	Ultimate Skin Friction ¹ (ksf)		Lateral Modulus (pci)	E ₅₀ (in/in)
		Compressive	Uplift		
0.0 – 2.0	--	--	--	--	--
2.0 – 4.0	--	0.2	0.2	90	--
4.0 – 6.0	--	0.2	0.2	90	--
6.0 – 8.0	--	1.0	1.0	90	--
8.0 – 12.5	--	1.3	1.3	225	--
12.5 – 17.5	40	1.2	1.2	225	--
17.5 – 22.5	40	1.5	1.5	225	--

1. We recommend the skin friction be ignored for the top 3 ft of the caisson

Based on the subsurface soil conditions, excavations for the caissons (drilled shafts) should be possible using a large, truck-mounted, hydraulic-advanced drill rig. All debris, loose or disturbed soil should be removed from the excavation prior to placing reinforced steel and/or concrete. Reinforcing steel and/or concrete should be placed immediately upon completion of the excavation.

The excavations may be susceptible to caving. Drilling fluid or casing could be used to assist in keeping the drilled hole open. If casing is used, we recommend it be removed from the excavation as concrete is being placed. Continuous vibration or other approved methods should be used during

casing withdrawal to reduce the potential for void-space formation within the concrete. If water is present during concrete placement and/or drilling fluids are used to maintain hole stability, concrete should be pumped or otherwise discharged to the bottom of the hole via a hose or tremie pipe. The end of the hose or tremie pipe must remain below the top surface of any water, drilling fluid and the in-place concrete at all times. Additionally, concrete should be consolidated using vibration methods over the entire length and width of the caissons and the consolidation should be performed only after these fluids are removed and to the extent possible.

Pad & Pier / Single Mat Foundation

If the site has been prepared in accordance with the requirements noted in *Earthwork Recommendations – Equipment Mat*, the tower’s foundation capacity can be determined using the soil’s bearing capacity, passive pressure resistance, and a sliding friction factor.

Net Ultimate Bearing Capacity and Sliding Friction Factor

Depth² (ft)	Net Ultimate Bearing Capacity¹ (psf)	Sliding Friction Factor¹
0.0 – 2.5	--	--
2.5 – 8.0	5,500	0.35
8.0 – 12.0	10,500	0.30

1. This value is a net ultimate value and an appropriate factor of safety or resistance factor should be used

Ultimate Passive Pressure and Friction Factor

Boring #	Depth (ft)	Ultimate Passive Pressure ¹ (psf) ¹
B-1	0.0 – 2.0	0 – 600
	2.0 – 4.0	600 – 1,200
	4.0 – 8.0	1,200 – 2,400
	8.0 – 12.0	2,400 – 3,600
	12.0 – 20.0	3,600 – 6,000

1. Ultimate passive pressure can be interpolated for foundation depths with the depth ranges given

Anchor Blocks

Concrete gravity blocks achieve resistance against the applied loads through the weight of the concrete in the blocks, the weight of the soil above the blocks, skin friction between the block and surrounding soil, and passive pressures developed in the soil. For these calculations we recommend the following values be used:

Ultimate Passive Pressure and Friction Factor

Boring #	Depth (ft)	Ultimate Passive Pressure (psf)	Sliding Friction Factor
B-2 (Anchor)	0.0 – 2.0	0 – 600	0.30
	2.0 – 4.0	600 – 1,200	
	4.0 – 8.0	1,200 – 2,400	
	8.0 – 12.0	2,400 – 3,600	
	12.0 – 20.0	3,600 – 6,000	

Boring #	Depth (ft)	Ultimate Passive Pressure (psf)	Sliding Friction Factor
B-3 (Anchor)	0.0 – 2.0	0 – 400	0.30
	2.0 – 4.0	400 – 1,000	
	4.0 – 8.0	1,000 – 2,200	
	8.0 – 12.0	2,200 – 3,400	
	12.0 – 20.0	3,400 – 5,800	
B-4 (Anchor)	0.0 – 2.0	0 – 400	0.30
	2.0 – 4.0	400 – 1,000	
	4.0 – 8.0	1,000 – 2,200	
	8.0 – 12.0	2,200 – 3,400	
	12.0 – 20.0	3,400 – 5,800	

Seismic Parameters

The seismic design requirements for buildings and other structures are based on Seismic Design Category. Site Classification is required to determine the Seismic Design Category for a structure. The Site Classification is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration resistance, or undrained shear strength in accordance with Section 20.4 of ASCE 7 and the International Building Code (IBC)

Seismic Site Classification

Item	Seismic Parameter
2018 International Building Code Seismic Site Classification	D ¹
Design Spectral Response Acceleration Parameters	S _{ds} = 0.22g S _{d1} = 0.14g

1. The IBC seismic site classification is based on the subsurface profile depth of 100 feet. The scope of work did not authorize exploration to a depth of 100 feet. A seismic Site Soil Classification of D should be used if insufficient details are known about the 100-foot soil profile.

Soil Resistivity

Laboratory soil resistivity test were conducted according to procedures designated in ASTM G187 and test results are presented in the following table. Soil resistivity values will vary with temperature and moisture content changes and may be different at other times.

Soil Resistivity Testing Results

Boring	Sample Depth (ft)	Resistivity (Ohm-cm)
B-1	2.0 – 4.0	120,000

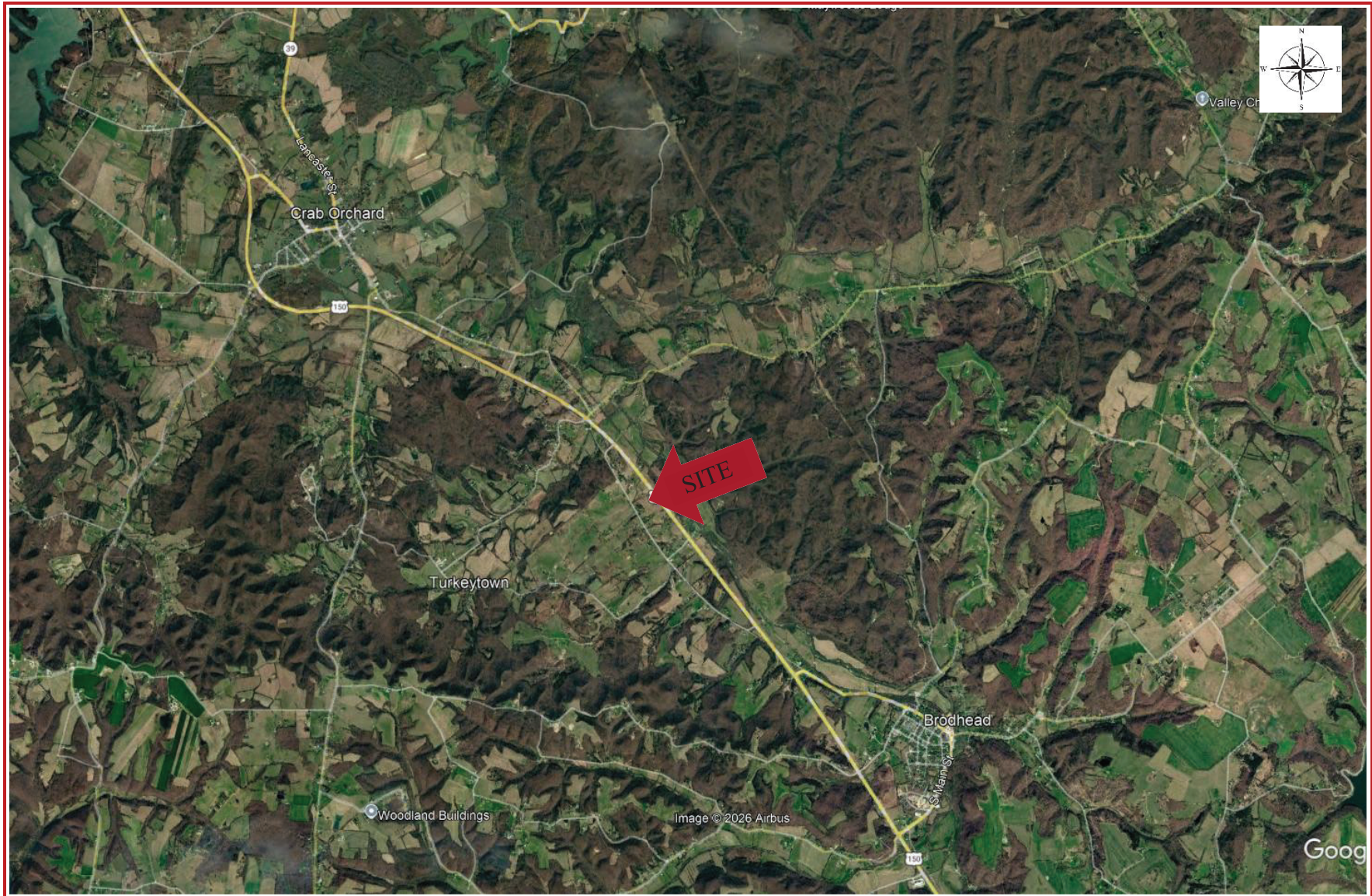
LIMITATIONS OF REPORT

This report has been prepared in accordance with generally accepted geotechnical engineering practices for the specific application of this project. The conclusions in this report are based on the applicable standards of our practice in this geographic area at the time this report was prepared. No other warranty, expressed or implied, is made.

The analyses and conclusions submitted herein are based, in part, upon the data obtained from the subsurface exploration performed for this analysis. The soil and ground water conditions can vary across the site. Opinions and conclusions are subject to change if new or additional information is submitted for review.

APPENDIX A
LOCATION INFORMATION

SITE LOCATION PLAN
LV TURKEYTOWN (KY-4170)
Job Number: 26146121



BORING LOCATION PLAN
LV TURKEYTOWN (KY-4170)
Job Number: 26146121



SITE PHOTO
LV TURKEYTOWN (KY-4170)
Job Number: 26146121



APPENDIX B
SOIL TEST BORING



BORING NUMBER B-1

PAGE 1 OF 1

CLIENT	APC Towers	PROJECT NAME	LV Turkeytown (KY-4170)
PROJECT NUMBER	26146121	PROJECT LOCATION	Dysart Way, Crab Orchard, KY 40419
DATE	4/2/2026	COORDINATES	37.430563, -84.459676
DRILLING METHOD	Hollow Stem Auger (HSA)	GROUND WATER LEVELS:	
DRILLING EQUIPMENT	CME 550	AT TIME OF DRILLING	--- Not Encountered
LOGGED BY	T. Schueller	AT END OF DRILLING	--- Not Encountered
NOTES		0hrs AFTER DRILLING	--- Not Encountered

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)
0						
		<u>CLAYEY SAND (SC)</u> , tan and light gray, moist, loose to medium dense.	SS 1		2-3-2 (5)	
			SS 2		4-5-6 (11)	
5			SS 3		4-8-10 (18)	
		<u>SANDY SILT (ML)</u> , gray and tan, dry, very stiff to hard.	SS 4		6-10-19 (29)	
10			SS 5		4-13-25 (38)	
		<u>SHALE</u> , Moderately Weathered and Highly Fractured.	RC 6	58 (19)		
15			RC 7	100 (31)		
20						
Bottom of borehole at 22.5 feet.						

ETS - BORING W/ROCK CORING - ETS DATABASE - JUN30.GDT - 4/8/26 11:20 - R:\2026\146121_LV TURKEYTOWN\GEI\8087_GEOTECHREPORT\TURKEYTOWN.GPJ



BORING NUMBER B-2

PAGE 1 OF 1

CLIENT	APC Towers	PROJECT NAME	LV Turkeytown (KY-4170)
PROJECT NUMBER	26146121	PROJECT LOCATION	Dysart Way, Crab Orchard, KY 40419
DATE	4/2/2026	COORDINATES	37.431111, -84.459738
DRILLING METHOD	Hollow Stem Auger (HSA)	GROUND WATER LEVELS:	
DRILLING EQUIPMENT	CME 550	AT TIME OF DRILLING	--- Not Encountered
LOGGED BY	T. Schueller	AT END OF DRILLING	--- Not Encountered
NOTES		0hrs AFTER DRILLING	--- Not Encountered

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)
0						
		<u>CLAYEY SAND (SC)</u> , tan and gray, moist, very loose to loose.	SS 1		2-1-2 (3)	
			SS 2		2-2-2 (4)	
5		<u>CLAYEY SAND (SC)</u> , tan and light gray, moist, medium dense.	SS 3		3-4-12 (16)	
		<u>SANDY SILT (ML)</u> , tan, wet, stiff.	SS 4		3-3-10 (13)	

Auger Refusal at 8.5 feet.

ETS - BORING W/ROCK CORING - ETS DATABASE - JUN30.GDT - 4/8/26 11:20 - R:\2026\146121_LV TURKEYTOWN\GE\18087_GEOTECHREPORT\TURKEYTOWN.GPJ



BORING NUMBER B-3

PAGE 1 OF 1

CLIENT	APC Towers	PROJECT NAME	LV Turkeytown (KY-4170)
PROJECT NUMBER	26146121	PROJECT LOCATION	Dysart Way, Crab Orchard, KY 40419
DATE	4/2/2026	COORDINATES	37.430304, -84.460288
DRILLING METHOD	Hollow Stem Auger (HSA)	GROUND WATER LEVELS:	
DRILLING EQUIPMENT	CME 550	AT TIME OF DRILLING	--- Not Encountered
LOGGED BY	T. Schueller	AT END OF DRILLING	--- Not Encountered
NOTES		0hrs AFTER DRILLING	--- Not Encountered

ETS - BORING W/ROCK CORING - ETS DATABASE - JUN30.GDT - 4/8/26 11:20 - R:\2026\146121_LV TURKEYTOWN\GEOTECHREPORT\TURKEYTOWN.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)
0						
		<u>SANDY SILT (ML)</u> , tan, moist, soft.	SS 1		2-1-2 (3)	
		<u>CLAYEY SAND (SC)</u> , tan and light gray, moist, loose to medium dense.	SS 2		3-4-4 (8)	
5			SS 3		5-6-8 (14)	
			SS 4		4-7-6 (13)	
		<u>SANDY SILT (ML)</u> , tan and gray, dry, hard.	SS 5		6-15-23 (38)	
10						

Auger Refusal at 13.5 feet.



BORING NUMBER B-4

PAGE 1 OF 1

CLIENT	APC Towers	PROJECT NAME	LV Turkeytown (KY-4170)
PROJECT NUMBER	26146121	PROJECT LOCATION	Dysart Way, Crab Orchard, KY 40419
DATE	4/2/2026	COORDINATES	37.430305, -84.459065
DRILLING METHOD	Hollow Stem Auger (HSA)	GROUND WATER LEVELS:	
DRILLING EQUIPMENT	CME 550	AT TIME OF DRILLING	--- Not Encountered
LOGGED BY	T. Schueller	AT END OF DRILLING	--- Not Encountered
NOTES		0hrs AFTER DRILLING	--- Not Encountered

ETS - BORING W/ROCK CORING - ETS DATABASE - JUN30.GDT - 4/8/26 11:20 - R:\2026\146121_LV TURKEYTOWN\GE\B087_GEOTECHREPORT\TURKEYTOWN.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)
0						
		<u>SANDY ELASTIC SILT (MH)</u> _i tan, wet, soft.	SS 1		1-2-2 (4)	
		<u>CLAYEY SAND (SC)</u> _i tan and light gray, moist, loose to medium dense.	SS 2		3-3-5 (8)	
5			SS 3		4-9-9 (18)	
		<u>SANDY ELASTIC SILT (MH)</u> _i tan, wet, very stiff.	SS 4		5-10-9 (19)	
		<u>SANDY SILT (ML)</u> _i tan and gray, dry, hard.	SS 5		5-15-30 (45)	
10						

Auger Refusal at 13.0 feet.

EXHIBIT H
DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site

1. Beginning at 205 E Main St., Mt. Vernon, KY 40456, travel northwest towards Church St. for approximately 500 ft.
2. Turn left onto Richmond St. and travel approximately 275 ft.
3. Turn right onto US-150 W / Crab Orchard Rd. and travel approximately 9.9 miles.
4. Site is on the left at 9311 Dysart Way, Crab Orchard, KY 40419.
5. The site coordinates are
 - a. North 37 deg 25 min 50.03 sec
 - b. West 84 deg 27 min 34.83 sec



Prepared by:
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Pike Legal Group PLLC
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P.O. Box 369
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT I

COPY OF REAL ESTATE AGREEMENT

OPTION AND GROUND LEASE AGREEMENT

THIS OPTION AND GROUND LEASE AGREEMENT ("**Agreement**") is made and entered into as of the latter signature date hereto (the "**Effective Date**"), by and between PAUL GALE BARRETT AND NIETA GAIL BARRETT, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETIES, THE SURVIVOR OF THEM TO TAKE THE WHOLE OF SAID PROPERTY IN FEE SIMPLE, with a mailing address of 1386 Ft Harrod Way, Crab Orchard, KY 40419 ("**Lessor**"); and APC TOWERS IV, LLC, a Delaware limited liability company, with a mailing address of 8601 Six Forks Road, Suite 250, Raleigh, NC 27615 ("**Lessee**").

RECITALS

WHEREAS, Lessor is the owner of that certain parcel of land located at 1386 Ft Harrod Way, Crab Orchard, Rockcastle County, KY 40419, also known as parcel number 004-00-018, as more specifically described on Exhibit A hereto (the "**Property**"); and

WHEREAS, Lessor desires to grant to Lessee, and Lessee desires to obtain from Lessor an option to lease from Lessor a portion of the Property comprised of approximately 10,000 square feet of ground space (the "**Premises**"), together with an access easement for ingress and egress and the installation and maintenance of utilities (the easements collectively referred to as the "**Easements**") both being approximately located as shown on Exhibit B (the Premises and the Easements are collectively referred to herein as the "**Site**"), for the purpose of establishing and maintaining a communications facility for Lessee's use and that of its subtenants, licensees and customers.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and promises contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Lessor and Lessee agree as follows.

1. Option to Lease.

- (a) In consideration of the payment of [REDACTED] by Lessee to Lessor, Lessor hereby grants to Lessee an exclusive and irrevocable option to lease the Premises and use the Easements on the terms and conditions set forth herein below (the "**Option**"). The Option has a term of twelve (12) months, commencing on the Effective Date and ending as of midnight on the date before the first anniversary of such date (the "**Option Period**"). Lessee has the right to extend the Option for one (1) additional term of twelve (12) months (the "**Extended Option Period**"). The Option will automatically be extended for the Extended Option Period unless Lessee provides Lessor with written notice of Lessee's intent not to extend the Option at least thirty (30) days prior to the expiration of the Option Period or the Extended Option Period, as applicable. Lessee will pay Lessor an additional payment of [REDACTED] within thirty (30) days of the commencement of the Extended Option Period.
- (b) During the Option Period, the Extended Option Period and the Term, Lessor agrees to cooperate with Lessee in obtaining, at Lessee's expense but for no additional consideration payable to Lessor, all licenses and permits or authorizations required for Lessee's use of the Site from all applicable government and/or regulatory entities (the "**Government Approvals**"). Lessor hereby irrevocably appoints Lessee or Lessee's agent as Lessor's agent to file applications on behalf of Lessor with federal, state and local governmental authorities which applications relate to Lessee's use of the Site, including but not limited to land use and zoning applications. During

the Option Period, Extended Option Period and the Term, Lessor agrees to cooperate with Lessee, at no cost to Lessor but for no additional consideration payable to Lessor, to obtain a title report, zoning approvals and variances, conditional-use permits and perform surveys, soils tests, perform RF engineering studies and other engineering procedures or environmental investigations on, under and over the Property, necessary to determine whether Lessee's use of the Site will be compatible with the Lessee's engineering specifications, intended use, system design, operations and Government Approvals. During the Option Period, Extended Option Period and the Term, Lessor agrees to provide Lessee, at no cost to Lessor but for no additional consideration payable to Lessor, with any documents, materials or other instruments required or requested for Lessee to secure a title policy for the Site, which may include, among others, and each as applicable, the following: (i) a certified copy of the formation documents of Lessor and all amendments thereto from the state in which Lessor is organized; (ii) a certificate of good standing for the Lessor issued by the state where the Lessor is organized, not dated later than five (5) business days from the date requested by Lessee; (iii) a true and complete copy of the names of any shareholders, members or partners of the Lessor; (iv) true and complete copy of any operating agreement, partnership agreement, bylaws or similar document and all amendments thereto together certified as accurate and complete by an officer, director, partner, member or manager of Lessor; (v) a copy of the authorizing resolutions or consent of Lessor's governing body authorizing Lessor to enter into, comply with and perform under this Agreement; and (vi) such other documents that may be reasonably required or requested. Lessor's provision of the foregoing documents, materials or other instruments required for Lessee to secure a title policy for the Site shall be a prerequisite for the payment of any Rent or other monetary amounts payable by Lessee under this Agreement, and notwithstanding anything to the contrary herein and in addition to Lessee's rights and remedies otherwise provided in this Agreement, Lessee shall have no obligation to make any rental or other payments to Lessor until such items have been supplied to Lessee to the reasonable satisfaction of Lessee and Lessee's title insurer.

- (c) During the Option Period and any Extended Option Period, Lessee may exercise the Option by written notice to Lessor.

2. Premises. Subject to the terms and conditions of this Agreement, upon Lessee's exercise of the Option Lessor hereby leases to Lessee and Lessee hereby leases from Lessor the Premises together with the use of the Easements for the construction, modification, operation and maintenance of the Telecommunications Facilities (as defined in Section 7(a)).

3. Permitted Use. The Site may be used by Lessee for the construction, modification, operation, maintenance, repair, replacement and removal of the Telecommunications Facilities (the "**Permitted Use**"). Lessor may not commit any action or omission that would adversely affect the status of the Site with respect to the Permitted Use.

4. Term. The initial term of this Agreement ("**Initial Term**") is five (5) years, beginning on the date Lessee exercises the Option ("**Commencement Date**"), and expiring at midnight on the day prior to the fifth (5th) anniversary of the Commencement Date. Lessee has the right to extend the term of Agreement for nine (9) additional five (5) year terms (each a "**Renewal Term**"). Each Renewal Term will be on the same terms and conditions set forth in this Agreement. This Agreement will automatically renew for each successive Renewal Term unless Lessee notifies Lessor in writing of Lessee's intention not to renew the Term at least thirty (30) days prior to the expiration of the then current Term. The Initial Term and Renewal Terms are collectively referred to herein as the "**Term**".

5. **Rent.** Lessee shall pay Lessor an initial monthly rent of [REDACTED] ("Rent"). The Rent is due and payable in advance on the first day of each month during the Term commencing as of the Rent Commencement Date. The "**Rent Commencement Date**" is the earlier of (i) the date of issuance of a certificate of completion (or comparable certificate) from the applicable governmental authority for the Telecommunications Facilities or (ii) ninety (90) days from the Commencement Date. Rent will be prorated for any partial months, including the months in which the Rent Commencement Date and the expiration or termination of the Term occur. As a condition precedent to Lessee's obligation to remit any payments provided for under this Agreement, Lessor (as well as any successor to Lessor's interest in this Agreement or to such payments) agrees to provide Lessee with a completed IRS Form W-9 upon execution of this Agreement and at such other times as may be reasonably requested by Lessee, including any change in Lessor's name or address. If Lessee elects to remit payments payable under this Agreement by electronic funds transfer, Lessor agrees to provide to Lessee bank routing information for such purpose upon request of Lessee.

The Rent will increase on the first day of each Renewal Term by an amount equal to [REDACTED] of the Rent in effect immediately prior to the increase.

In addition, Lessee shall pay to Lessor an amount equal to [REDACTED] per month for the second and each subsequent wireless broadband carrier (i.e., T-Mobile, AT&T and Dish Wireless) operating its communications system on the tower to be constructed on the Premises (hereinafter "**Future User**", and such amount payable to Lessor hereinafter "**Future User Revenue Share Amount**"). Lessee shall not have any obligation to pay any Future Revenue Share Amount if the rental, license or other similar recurring payments are not actually received by Lessee from such Future User. Neither the non-payment of such rental, license or other similar recurring payment by a Future User nor the non-payment of any Future User Revenue Share Amount shall be a default under this Agreement unless such rental, license or similar recurring payment was received by Lessee and the Future User Revenue Share Amount set forth herein was not remitted to Lessor by Lessee. Any applicable Future User Revenue Share Amount shall commence upon the first day of the first month following the receipt of such payments by Lessee from such Future User and continue thereafter until the earlier of (i) the expiration or earlier termination of this Agreement, (ii) the expiration or earlier termination of the agreement between Lessee and such Future User or (iii) the date on which such Future User ceases its business operations at the Premises.

6. **Interference.** Lessor may not use, nor may Lessor permit its tenants, licensees, employees, invitees or agents to use any portion of the Property in any way that interferes with Lessee's Permitted Use of the Site. Such interference will be a material breach of this Agreement by Lessor and Lessor shall have the responsibility to terminate the interference immediately upon written notice from Lessee. Anything to the contrary in this Agreement notwithstanding, the cure periods provided for in Section 10 will not be applicable to failure by Lessor to fulfill its obligations under this Section 6. If any interference does not cease or is not rectified as soon as possible, but in no event longer than twenty-four (24) hours after Lessee's written notice to Lessor, Lessor acknowledges that the continuing interference will cause irreparable injury to Lessee, as well as Lessee's sublessees and licensees, and Lessee has the right, in addition to any other rights that it may have at law or in equity, to bring action to enjoin such interference or to terminate this Lease immediately upon notice to Lessor. Lessor represents and warrants that it has not sold, leased, licensed or otherwise granted rights in the Property that in any way interfere or could reasonably be likely to interfere with Lessee's rights to use Site for the Permitted Use.

7. **Construction of Improvements.**

- (a) Lessee may, from time to time during the Term, at its expense, construct, install, operate, maintain, replace, add to, upgrade and remove its (as well as its subtenants, licensees and customers) radio transmitting and receiving antennae, communications equipment, related

cables, wires, conduits, air conditioning equipment and other appurtenances, as well as a tower(s) and building(s) or cabinets to house such equipment (collectively, the "**Telecommunications Facilities**"). Although the Telecommunications Facilities may become fixtures under applicable law, they will remain solely the property of Lessee and Lessee's subtenants, licensees and customers, and Lessee (and its subtenants, licensees and customers) has the right to remove any or all of them from time to time during the Term and the obligation to remove all of them at the expiration or earlier termination of the Term and repair the Premises to its original condition (including, without limitation, the express removal from the Premises of any and all Telecommunication Facilities to two (2) feet below grade), with normal wear and tear and casualty loss accepted. At the time of removal of the Telecommunications Facilities, Lessee shall, at its sole cost and expense, repair any damage to the Property and restore the Property to the same condition that existed prior to the installation of the Telecommunications Facilities (with the exception of normal wear and tear, casualty damage and the acts of third parties not associated with Lessee) within one hundred twenty (120) days. If the tower to be constructed by Lessee on the Premises is a guyed tower, Lessor also grants Lessee easements in, over, across and through the Property or any other real property owned by Lessor as may be necessary to Tenant during the Initial Term and any Renewal Terms of this Agreement for the installation and maintenance and removal of and reasonable access to guy wires and guy wire anchors, which may be located outside of the Site.

- (b) The Telecommunications Facilities shall be initially configured as generally set forth in Exhibit C, subject to change by Lessee consistent with Section 7(a).
- (c) Lessee is solely responsible for operations, maintenance, repair and insuring of the equipment owned, constructed and installed by Lessee on the Premises.
- (d) Lessor hereby grants Lessee a non-exclusive, unimpaired landscape easement which includes the right to install vegetation and screening around the exterior of the perimeter of the Premises as necessary to meet the applicable landscaping and buffering requirements of applicable land use laws, rules and regulations, if and when such placement should ever be required (the "**Landscape Easement**").
- (e) Lessee, at its sole discretion, may, without any need to obtain the consent of Lessor, license or sublease all or a portion of the Site and/or the Telecommunications Facilities.

8. Access. During the Term, ingress and egress to the Premises is hereby granted by Lessor to Lessee and its subtenants, licensees and customers, and each of such party's agents, contractors and subcontractors, on a 24- hour a day, 365 days per year basis. This ingress and egress shall include the nonexclusive right to and from the Premises, over and across the Property and an access way from nearby public streets and driveways and parking rights for personnel and equipment. Lessee also has a nonexclusive right of way over and across the Property as necessary for the installation, running, servicing and maintenance of electrical power and other utilities necessary to serve the Telecommunications Facilities.

9. Utilities.

- (a) Lessee has the right to install utilities (including without limitation communications services and power) at Lessee's expense, and to improve the present utilities, if any, on the Premises. Lessee shall, wherever practical, install separate meters for utilities used on the Premises.
- (b) Lessee may utilize the Easements for ingress, egress, and access to the Premises as may be required for the construction, installation and maintenance by the appropriate utility companies

for the purpose of servicing the Telecommunications Facilities. In addition to Lessee and its sublessees and licensees, Lessee may grant the right to utilize the Easements to any utility servicing the Site. Lessor agrees to execute, at no cost to Lessee a utility easement between Lessor and any such utility provider, if reasonably necessary.

10. Default. Any breach of a material term hereof that is not cured within thirty (30) days from receipt of written notice from the non-breaching party shall constitute a "**Default**"; provided, however, that if efforts to cure such breach are commenced within said 30-day period and thereafter diligently prosecuted to completion, such period shall be extended for a period of time not to exceed six (6) months. The foregoing notwithstanding, any monetary breach not cured within fifteen (15) days from receipt of written notice thereof from the other party shall constitute a Default by the breaching party.

11. Termination.

- (a) In addition to other termination rights contained in this Agreement, this Agreement may be terminated upon written notice from the non-breaching party to the breaching party upon a Default and as otherwise provided in this section.
- (b) Lessee may terminate this Agreement upon written notice to Lessor if Lessee determines, in Lessee's sole discretion, that the results of any studies, reports, and/or applications for Governmental Approvals contemplated under Section 1(b) of this Agreement are unacceptable.
- (c) Lessee may terminate this Agreement upon thirty (30) days prior written notice to Lessor, if (i) Lessee determines that the Premises are technologically unsuitable, in Lessee's reasonable opinion, for the operation of the Telecommunications Facilities, including but not limited to unacceptable radio signal interference and any addition, alteration or new construction on, adjacent to or in the vicinity of the Premises or the Property that blocks, either partially or totally, transmission or receiving paths used by any of the Telecommunications Facilities; (ii) any Governmental Approval that Lessee reasonably deems necessary or convenient for the construction, operation, maintenance, reconstruction, modification, addition to or removal of the Telecommunications Facilities is not, in Lessee's sole discretion, reasonably obtainable or maintainable in the future; (iii) Lessee determines, in Lessee's commercially reasonable judgment, that the Premises cease to be economically viable as a telecommunications site; or (iv) Hazardous Substances (as defined in Section 14) are or become present on the Property in violation of Environmental Laws (as defined in Section 14).

12. Condemnation. If all or any part of the Premises or any portion of the Easements, or any roadway to the Premises is taken by eminent domain or other action by any governmental or quasi-governmental body having the legal right to take said lands, and if said taking in the sole discretion of Lessee renders the Premises unsuitable for its intended purpose, then at Lessee's option, Lessee may terminate this Agreement as of the date the title vests in the condemning authority. Lessor and Lessee will share in the condemnation proceeds in proportion to the values of their respective interests in the Site (which for Lessee includes, where applicable, the value of the Telecommunication Facilities, moving expenses, prepaid rent and business dislocation expenses). If Lessee does not terminate this Agreement as provided in this section, this Agreement shall remain in effect, but the Rent shall be reduced by the amount that bears the same proportion to the Rent immediately prior to the partial taking which was applicable to the Premises immediately prior to such taking and thereafter the "Premises" will be deemed to be the remaining portion of the initial Premises.

13. Indemnification.

- (a) Lessor, its heirs, grantees, successors, and assigns shall indemnify and defend Lessee from and against any claims, obligations, liabilities, costs, demands, damages, expenses, suits or causes of action, including costs and reasonable attorney's fees, which may arise out of (i) any injury to or death of any person; or (ii) any damage to property, if such injury, death or damage arises out of or is attributable to or results from the acts or omissions of Lessor, or Lessor's principals, employees, invitees, agents or independent contractors. Lessee, its grantees, successors, and assigns shall indemnify and defend Lessor from and against any claims, obligations, liabilities, costs, demands, damages, expenses, suits or causes of action, including costs and reasonable attorney's fees, which may arise out of (i) any injury to or death of any person; or (ii) any damage to property, if such injury, death or damage arises out of or is attributable to or results from the negligent acts or omissions of Lessee, or Lessee's employees, agents or independent contractors.
- (b) If either party is entitled to indemnification and defense ("**Indemnified Party**") from the other party ("**Indemnifying Party**") pursuant to this Agreement, the Indemnified Party shall notify the Indemnifying Party promptly, in writing, of any claims by any person for which the Indemnified Party alleges that the Indemnifying Party is responsible hereunder and tender the defense of such claim to the Indemnifying Party. The Indemnified Party shall fully cooperate with the defense or settlement of such claim. The Indemnifying Party shall not be liable under this Agreement for settlements by the Indemnified Party of any claim unless the Indemnifying Party has approved the settlement in advance (such approval not to be unreasonably withheld, conditioned or delayed) or unless the defense of the claim has been tendered to the Indemnifying Party, in writing, and the Indemnifying Party has failed promptly to undertake the defense. This Section 13 shall survive the termination or expiration of this Agreement.

14. Hazardous Substances. Lessor represents and warrants to Lessee that Lessor: (i) is not presently engaged in, (ii) does not presently have actual knowledge of, (iii) has not at any time in the past engaged in, and (iv) has no actual knowledge that any third person or entity has engaged in or permitted any operations or activities upon, or any use or occupancy of, the Premises, or any portion of the Property, for the purpose of, or in any way involving the handling, manufacturing, treatment, storage, use, transportation, spillage, leakage, dumping, discharge or disposal (whether legal or illegal), accidental or intentional, of any hazardous substances, materials or wastes ("**Hazardous Substances**") regulated under any local, state, or federal law pertaining to the environment, public health or safety or the handling, manufacturing, treatment storage, use, transportation, spillage, leakage, dumping, discharge or disposal of Hazardous Substances ("**Environmental Laws**"). Lessor indemnifies and defends Lessee from and against any and all claims of liability under any Environmental Laws for Hazardous Substances which were handled, manufactured, treated, stored, used, transported, spilled, leaked, dumped, discharged, disposed of or otherwise introduced into the Property, except for claims arising in whole or in any part out of Lessee's use or occupancy of the Premises. The indemnity obligations contained in this Section 14 shall survive the termination or expiration of this Agreement.

15. Insurance. Lessee will carry during the term of the Agreement the following insurance with customary coverage and exclusions: (i) bodily injury: [REDACTED] for injury to any one person and [REDACTED] for all injuries sustained by more than one person in any one occurrence; and (ii) property damage: full replacement costs of Lessee's property. Lessee agrees to furnish Lessor with certificates of insurance certifying that Lessee has in force and effect the above specified insurance. Lessee shall have Lessor named as additional insured on all policies obtained or maintained by Lessee pursuant to this Section 15, except for workers' compensation policies. Lessor and Lessee mutually covenant and agree that each party, in connection with insurance policies required to be furnished in accordance with the terms of this

Agreement, or in connection with insurance policies which they obtain insuring such insurable interest as Lessor or Lessee may have in its own properties, whether personal or real, shall expressly waive any right of subrogation on the part of the insurer against the Lessor or Lessee as the same may be applicable, which right to the extent not prohibited or violative of any such policy is hereby expressly waived. Lessor and Lessee each agree to seek recovery based solely on insurance policies as set forth above, provided such policies are in effect, and each mutually waive all right of recovery against each other, their agents, or employees for any loss, damage or injury of any nature whatsoever to property or person except to the extent either party is required by this Agreement to carry insurance.

16. Taxes. Lessee shall pay any personal property taxes assessed on or attributable to the Telecommunications Facilities. Lessor shall pay when due all real property taxes and all other fees and assessments attributable to the Property, Premises and Easements. Lessee will pay to Lessor within thirty (30) days from Lessor's request, any increase in Lessor's real property taxes which Lessor demonstrates, to Lessee's satisfaction, is directly and solely attributable to any improvements to the Site made by Lessee. If Lessor fails to pay when due any taxes affecting the Property or the Site, Lessee shall have the right, but not the obligation, to pay such taxes and (i) deduct the full amount of the taxes paid by Lessee on Lessor's behalf from future installments of Rent, or (ii) collect such taxes by any lawful means.

17. Quiet Enjoyment, Title and Authority.

- (a) During the Term, Lessee may peaceably and quietly hold and enjoy the Premises, free from disturbance from any person claiming by, through or under Lessor, subject only to those matters of title of record as of the Effective Date.
- (b) Lessor covenants and warrants to Lessee that: (i) Lessor has full right, power and authority to execute this Agreement; (ii) Lessor has good and unencumbered title to the Property, free and clear of any liens or mortgages, except those disclosed to Lessee and of record as of the Effective Date, that will not interfere with Lessee's rights to or use of the Premises; (iii) the execution and performance of this Agreement will not violate any laws, ordinances, covenants, or the provisions of any mortgage, lease, or other agreement binding on Lessor.
- (c) Lessor agrees that, during the Option Period, Extended Option Period and the Term, Lessee will have the exclusive right to lease the Property or any portion thereof from the Lessor for the operation of antennae and telecommunications facilities providing transmission and receiving facilities for wireless providers and users, and that Lessor will not grant a lease, sublease, or other license or right to use any portion of the Property, or any other adjacent property owned by Lessor, to any other party for operation of antenna and/or telecommunications facilities.

18. Notices.

- (a) All notices hereunder must be in writing and shall be deemed validly given if sent by hand delivery, a reputable national overnight courier service (such as FedEx or United Parcel Service), or by certified mail, postage prepaid, return receipt requested, to the address shown below (or to any other address that the party to be notified may designate from time to time by written notice to the other party).

If to Lessee to: APC Towers IV, LLC
8601 Six Forks Road, Suite 250
Raleigh, NC 27615
Attention: Daniel C. Agresta III, President & CEO
Ref. Site ID: KY-4170

Telephone: (919) 324-1922 (included for information purposes only and not for notices)
Fax: (919) 890-0788 (included for information purposes only; not for notices)

If to Lessor to: Paul Barrett
1386 Ft Harrod Way
Crab Orchard KY 40419
Ref. Site ID: KY-4170

(b) If there is a change in ownership of the Property and Lessor's agreement is assigned to another party, then within ten (10) days of such transfer, Lessor or its successor will send copies of the documents listed below in this subsection (b) to Lessee. Until Lessee receives all such documents, Lessee shall not be responsible for any failure to make payments under this Agreement and reserves the right to hold payments due under this Agreement.

- i. Old deed to Property
- ii. New deed to Property
- iii. Bill of Sale or Transfer
- iv. Current Tax Bill
- v. New IRS Form W-9
- vi. Full contact (information purposes only and not for notices) for new Lessor including phone number(s)

19. Estoppel, Non-Disturbance and Attornment.

- (a) Lessor will, from time to time, upon not less than ten (10) days prior written notice from Lessee, execute and deliver to Lessee a written estoppel certificate certifying that as of the date of the certification: (i) this Agreement is a valid enforceable agreement, presently in full force and effect; (ii) whether Lessor has any knowledge of any default or breach by Lessee under any of the terms, conditions, or covenants of this Agreement; (iii) the Term (its commencement and termination dates) and the term of any option or renewal periods granted to the Lessee to extend the Term; (iv) the amount of the then-current Rent payable under the Agreement; (v) attached to the certification is a true and correct copy of the Agreement and all amendments thereto, (vi) and such other facts as Lessee or its prospective mortgagee or purchaser may request.
- (b) Lessor shall obtain for Lessee from the holder of any mortgage and deed of trust now or hereafter encumbering the Property a subordination and non-disturbance agreement, providing that so long as Lessee is not in default under this Agreement, its rights as Lessee hereunder shall not be terminated and its access to and possession of the Premises shall not be disturbed by the mortgagee or trustee, or by any proceedings on the debt which any such mortgage or deed of trust secures, and that any sale at foreclosure shall be subject to this Agreement.

20. Assignment. This Agreement is freely assignable by Lessee to any other party upon written notice to Lessor, without the necessity of obtaining Lessor's consent. Upon an assignment, Lessee shall be relieved of all liabilities and obligations arising under this Agreement subsequent to the date of such assignment. Lessee, at its sole discretion, may, without any need to obtain the consent of Lessor, license or sublease all or a portion of the Site and/or the Telecommunications Facilities. Additionally, Lessee may mortgage or grant a security interest in this Agreement and the Telecommunications Facilities and may

assign this Agreement and the Telecommunications Facilities to any such mortgagees or holders of security interests including their successors and assigns (hereinafter collectively referred to as "**Secured Parties**"). If requested by Lessee, Lessor shall execute such consent to such financing as may reasonably be required by Secured Parties. In addition, if requested by Lessee, Lessor agrees to notify Lessee and Lessee's Secured Parties simultaneously of any default by Lessee and to give Secured Parties the same right to cure any default as Lessee. If a termination, disaffirmance or rejection of this Agreement by Lessee pursuant to any laws (including any bankruptcy or insolvency laws) occurs, or if Lessor shall terminate this Agreement for any reason, Lessor will give to Secured Parties prompt notice thereof and Secured Parties shall have the right to enter upon the Premises during a 30-day period commencing upon Secured Parties' receipt of such notice for the purpose of removing any Telecommunications Facilities. Lessor acknowledges that Secured Parties are third-party beneficiaries of this Agreement.

21. Limited Right of First Refusal. Notwithstanding anything to the contrary contained herein, this paragraph shall not apply to any fee simple sale of the Property from Lessor to any prospective purchaser that is not a Third-Party Competitor or to Lessee. A Third-Party Competitor as included in this Section is defined as a party that competes, owns, markets or distributes products within the telecommunications industry and is not an affiliate, licensee, or distributor of Lessee. If Lessor receives an offer or desires to offer to: (i) sell or convey any interest (including, but not limited to, leaseholds or easements) in any real property of which the Leased Premises is a part to a Third Party Competitor or (ii) assign all or any portion of Lessor's interest in the Lease to a Third Party Competitor (any such offer, the "Offer"), Lessee shall have the right of first refusal to purchase the real property or other interest being offered by Lessor in connection with the Offer on the same terms and conditions. If Lessee elects, in its sole and absolute discretion, to exercise its right of first refusal as provided herein, Lessee must provide Lessor with notice of its election not later than forty-five (45) days after Lessee receives written notice from Lessor of the Offer. If Lessee elects not to exercise Lessee's right of first refusal with respect to an Offer as provided herein, Lessor may complete the transaction contemplated in the Offer with the Third-Party Competitor on the stated terms and price but with the express condition that such sale is made subject to the terms of the Lease, as modified by an amendment. Lessor hereby acknowledges and agrees that any sale or conveyance by Lessor in violation of this Section is and shall be deemed to be null and void and of no force and effect. The terms, provisions, and conditions of this Section shall survive the execution and delivery of an amendment.

22. Further Assurances. Each party shall take all such further actions and execute all such further documents and instruments as the parties may at any time reasonably determine to be necessary or desirable to carry out and consummate the transactions contemplated by this Agreement.

23. Waiver of Lessor's Lien. Lessor hereby waives any and all lien rights it may have, statutory or otherwise, in and to the Telecommunications Facilities or any portion thereof, regardless of whether or not same is deemed real or personal property under applicable laws.

24. Waiver of Damages. Neither Lessor nor Lessee shall be responsible or liable to the other party for any loss or damage arising from any claim to the extent attributable to any acts of vandalism or for any structural or power failures or destruction or damage to the Telecommunications Facilities except to the extent caused by the negligence or willful misconduct of such party. EXCEPT AS SPECIFICALLY PROVIDED IN THIS AGREEMENT, IN NO EVENT SHALL LESSOR OR LESSEE BE LIABLE TO THE OTHER FOR, AND LESSEE AND LESSOR EACH HEREBY WAIVE THE RIGHT TO RECOVER INCIDENTAL, CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, LOSS OF USE OR LOSS OF BUSINESS OPPORTUNITY), PUNITIVE, EXEMPLARY AND SIMILAR DAMAGES.

25. Miscellaneous.

- (a) This Agreement shall extend to and bind the heirs, executors, administrators, successors and assigns of the parties hereto.
- (b) This Agreement and the performance thereof shall be governed, interpreted, construed and regulated by the laws of the state or commonwealth in which the Site is located, without regard to its conflicts of laws principles.
- (c) For purposes of providing constructive notice hereof and if required by applicable law, Lessor and Lessee hereby agree to execute the i) Memorandum of Option (see form attached hereto as Exhibit D-1), and ii) Memorandum of Ground Lease Agreement (see form attached hereto as Exhibit D-2); and Lessee shall have the same recorded in the land records of the county and state in which the Premises is located. The cost of any such recording is to be paid for solely by the Lessee.
- (d) Any sale or other conveyance by the Lessor of all or part of the Site shall be under and subject to this Agreement and Lessee's rights hereunder.
- (e) It is hereby mutually agreed and understood that this Agreement contains all agreements, promises and understandings between the Lessor and the Lessee and that no verbal or oral agreements, promises, or understandings shall or will be binding upon either the Lessor or Lessee in any dispute, controversy or proceeding at law, or any addition to, variation, or modification of this Agreement shall be void and ineffective unless in writing signed by the parties hereto.
- (f) If either Lessor or Lessee is represented by a real estate broker in this transaction, that party is fully responsible for any fees due such broker and will hold the other party harmless from any claims for commission by such broker.
- (g) This Agreement may be executed in two or more counterparts, all of which are considered one and the same agreement and become effective when one or more counterparts have been signed by each of the parties, it being understood that all parties need not sign the same counterpart.
- (h) The parties agree that a scanned or electronically reproduced copy or image of this Agreement will be deemed an original and may be introduced or submitted in any action or proceeding as competent evidence of the execution, terms and existence hereof notwithstanding the failure or inability to produce or tender an original, executed counterpart of this Agreement and without the requirement that the unavailability of such original, executed counterpart of this Agreement first be proven.
- (i) In the event of any dispute arising hereunder or a default by Lessor or Lessee, and if litigation is commenced, the prevailing party shall be entitled to recover from the other party all costs and expenses incurred in connection with such litigation, including, but not limited to, reasonable attorneys' fees and costs.

26. Confidentiality. Lessor shall not disclose to any third party the Rent payable by Lessee under this Agreement and shall treat such information as confidential, except that Lessor may disclose such information to prospective buyers, prospective or existing lenders, Lessor's affiliates and attorneys, or as may be required by law or as may be necessary for the enforcement of Lessor's rights under this Agreement. Lessor acknowledges that the disclosure of such information to any other parties may cause Lessee

irreparable harm, and in the event of such disclosure, as an additional remedy, Lessee shall have the right to terminate this Agreement upon giving thirty (30) days written notice thereof to Lessor.

(Signature Pages Follow)

IN WITNESS WHEREOF, the parties hereto have executed this OPTION AND GROUND LEASE AGREEMENT as of the dates written below.

LESSOR:

PAUL GALE BARRETT

By (sign): Paul Gale Barrett
Name (print): Paul Gale Barrett
Date: 01-09-2026

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

LESSOR ACKNOWLEDGMENT

STATE OF Kentucky

COUNTY OF Rockcastle

On the 9th day of January in the year 2026 before me, the undersigned, personally appeared Paul Gale Barrett, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she/he executed the same in her/his capacity, and that by her/his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

[SEAL]

Doretha Ford Auel
KYNPH4650, Notary Public

My Commission Expires: 3/1/26

LESSOR:

NIETA GAIL BARRETT

By (sign): Nieta Gail Barrett

Name (print): Nieta Gail Barrett

Date: 1/9/2026

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

LESSOR ACKNOWLEDGMENT

STATE OF Kentucky

COUNTY OF Rockcastle

On the 9th day of January in the year 2026 before me, the undersigned, personally appeared Nieta Gail Barrett, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she/he executed the same in her/his capacity, and that by her/his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

[SEAL]

Wanda Lee Alesh

KYNP44650, Notary Public

My Commission Expires: 3/1/26

LESSEE:

APC TOWERS IV, LLC,
a Delaware limited liability company

By: 

Name: Daniel C. Agresta III

Title: President & CEO

Date: 1/20/2026

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

LESSEE ACKNOWLEDGMENT

STATE OF NORTH CAROLINA

COUNTY OF WAKE

On the 20th day of January in the year 2026 before me, the undersigned, personally appeared Daniel C. Agresta III, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

[SEAL]



Talicia C. Neal

Talicia C. Neal, Notary Public

My Commission Expires: April 12, 2028.

EXHIBIT A

LEGAL DESCRIPTION OF REAL PROPERTY

Legal description of the Property to be provided on new Exhibit A prior to exercise of Option per Paragraph 1(c). Initials by Lessor and Lessee at the bottom of the new Exhibit A will constitute approval.

Situated in the County of Rockcastle, State of Kentucky:

Beginning at a post corner to Charles Napier in the East right of way of U.S. Highway No. 150; thence going with the Napier line N 62 31'43" E, 319.59 feet to a post; thence N 22 25'13"W, passing a corner between Napier and Nannie Mae Gibson, and also passing a corner between Gibson and Carolyn Birney, and going in all 249.16 feet to a post; thence N 49 07'14" W, passing a corner between Birney and Dennis Collins and going in all 373.21 feet to a post, corner to Collins in the Louella Jones line; thence going with the Jones line N 74 03'39" E, 974.91 feet to a post; thence S 44 14'14" E, 398.50 feet to a post; S 39 54'21"E, 186.64 feet to a post; S 37 55'26"E, 215.74 feet to a post corner to Billy Ison in the Jones' line; thence leaving the Jones' line and going with Ison S 60 56'45" W, 826.77 feet to a post; thence S 61 42'32"W, 69.68 feet to a post, corner to Vernon Cummins; thence with the Cummins line S 62 57'22"W, 492.39 feet to a post in the east right of way of U.S. Highway 150; thence with said right of way N 22 57'50" W, 310.91 feet to a post; N 20 22'13" W, 86.69 feet to the beginning and containing 22.221 acres. (Containing approximately 17.162 acres, more or less, after the conveyance in Deed Book 204, Page 672).

Less and Except that portion conveyed to the Commonwealth of Kentucky in DB 204/672.

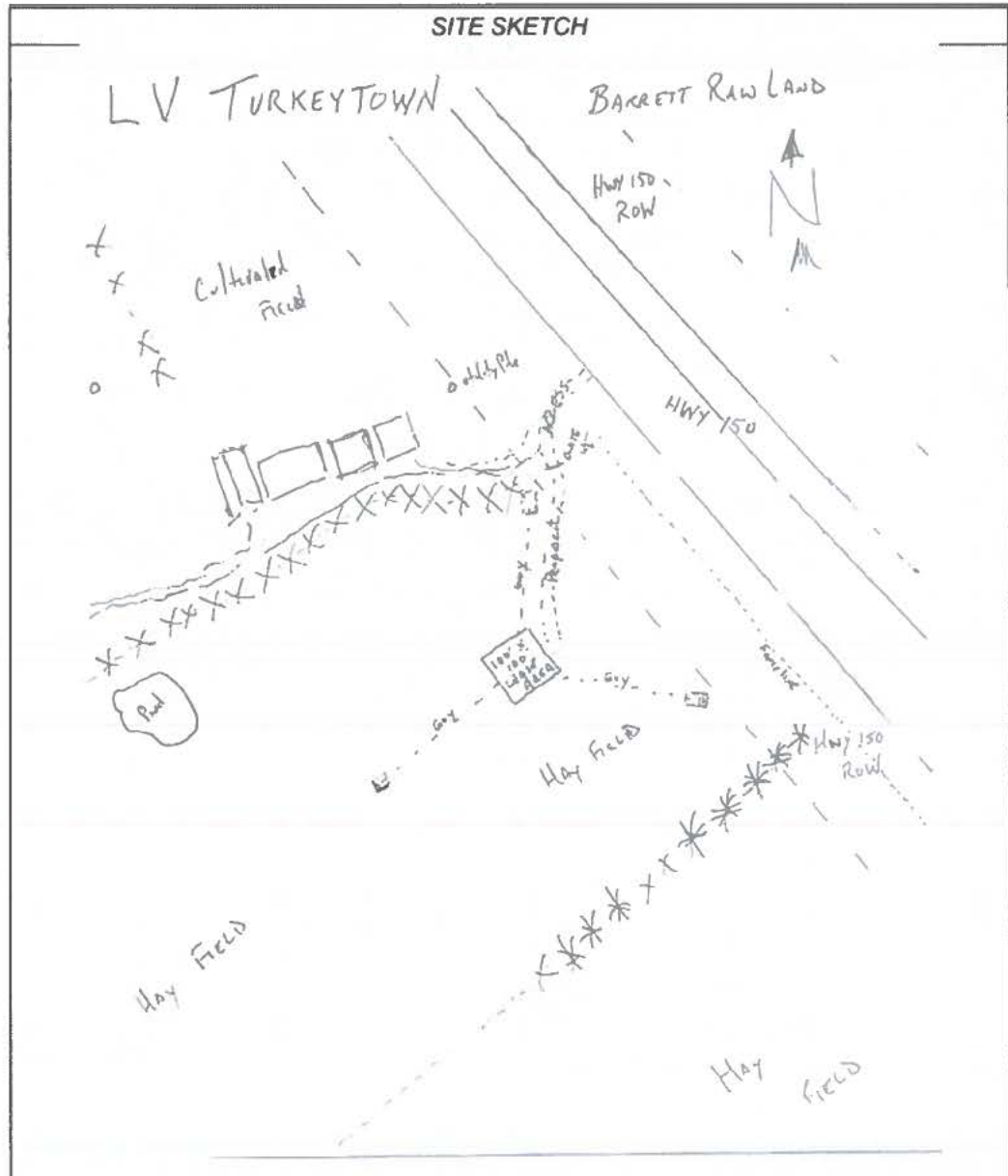
Tax ID: 004-00-018

Being the same Property Conveyed to Paul Gale Barrett And Nieta Gail Barrett, Husband And Wife, as Tenants by the Entireties, the Survivor of Them To Take The Whole Of Said Property in Fee Simple, Grantee, From Marshall L. McKinney And Ruby McKinney, Husband and Wife, Grantor, By Deed Recorded 06/25/1991, As Book 143, Page 323 Of The County Records.

EXHIBIT B

DESCRIPTION OF PREMISES

Legal description of the Premises and Easements may be provided on a new Exhibit B prior to exercise of Option per Paragraph 1(c). Initials by Lessor and Lessee at the bottom of the new Exhibit B will constitute approval thereof.



Notes:

1. This Exhibit may be replaced by a land survey and/or construction drawings of the Premises.
2. Any setback of the Premises from the Property's boundaries shall be the distance required by the applicable governmental authorities.
3. Width of access road shall be the width required by the applicable governmental authorities, including police and fire departments.

SITE PLAN

[illegible]

1. This Exhibit may be replaced by a land survey and/or construction drawings of the Premises.
2. Any setback of the Premises from the Property's boundaries shall be the distance required by the applicable governmental authorities.
3. Width of access road shall be the width required by the applicable governmental authorities, including police and fire departments.

EXHIBIT J

**NOTIFICATION LIST
PVA RECORDS
PROOF OF NOTICE**

LV Turkeytown – Notice List

004-00-014

COULTON GREGORY W & DEBORAH Y
1572 FORT HARROD WAY
CRAB ORCHARD, KY 40419

004-00-014.05

LEE PHYLLIS A & MERELL D TRUST AGREE
2900 SPRINGDALE RD
CINCINNATI, OH 45251

004-00-015

BURKE SANDRA GRAVES
1436 FT HARROD WAY
CRAB ORCHARD, KY 40419

004-00-015.01

BIRNEY ALISON
1068 QUAIL RD
MOUNT VERNON, KY 40456

004-00-016

MCCOLLUM MARGARET T
1482 FT HARROD WAY
CRAB ORCHARD, KY 40419

004-00-017

NAPIER CHARLES
1428 FT HARROD WAY
CRAB ORCHARD, KY 40419

004-00-018

BARRETT PAUL & NIETA
1386 FT HARROD WAY
CRAB ORCHARD, KY 40419-9619

004-00-019

BURCHETT BENNY RAY
P O BOX 744
BRODHEAD, KY 40409

004-00-019.01

CUMMINS GARLAN & RACHEL AND INA
CUM
4721 WILLAILLA ROAD
BRODHEAD, KY 40409

004-00-019.02

BURCHETT BENNY R & SHARON
P O BOX 744
BRODHEAD, KY 40409

004-00-030

WENTZEL AL & BEVERLY
405 GUM SULPHUR RD
CRAB ORCHARD, KY 40419

005-00-008

BAKER RALPH D & JUDITH B
1299 FT HARROD WAY
CRAB ORCHARD, KY 40419

Rockcastle County, KY PVA

Summary

Parcel Number	004-00-014.05
Account Number	1857
Location Address	CRAB ORCHARD RD 0 - US HIGHWAY 150
Description	7.776 ACRES
	(Note: Not to be used on legal documents)
Class	Residential
Tax District	00 00
Rate Per Thousand	8.1380

[View Map](#)

Owner

Primary Owner
LEE PHYLLIS A & MERELL D TRUST AGREE
2900 SPRINGDALE RD
CINCINNATI, OH 45251

Land Characteristics

Condition	Average	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	7.78	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

The Rockcastle County Property Valuation Administrator's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. All data is subject to change before the next certified taxroll.

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Rockcastle County, KY PVA

Summary

Parcel Number

Account Number

Location Address

Description

Class

Tax District

Rate Per Thousand

004-00-014

4624

FT HARROD WAY 1568

MH,HOUSE & 12 AC; GARAGE-DYSART WAY
(Note: Not to be used on legal documents)

Farm

00 00

8.1380

[View Map](#)



Owner

Primary Owner

COULTON GREGORY W & DEBORAH Y

1572 FORT HARROD WAY

CRAB ORCHARD, KY 40419

Land Characteristics

Condition	Average	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	12.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	
Shape		Information Source	

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Developed by

 SCHNEIDER
GEOSPATIAL

Rockcastle County, KY PVA

Summary

Parcel Number	004-00-015.01
Account Number	4297
Location Address	FT HARROD WAY 0 - HIGHWAY 150
Description	LOT
	(Note: Not to be used on legal documents)
Class	Residential
Tax District	00 00
Rate Per Thousand	8.1380

[View Map](#)

Owner

Primary Owner
BIRNEY ALISON
1068 QUAIL RD
MOUNT VERNON, KY 40456

Land Characteristics

Condition	Average	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	0.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

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Rockcastle County, KY PVA

Summary

Parcel Number 004-00-015
Account Number 4511
Location Address FT HARROD WAY 1436
Description HOUSE & LOT
(Note: Not to be used on legal documents)
Class Residential
Tax District 00 00
Rate Per Thousand 8.1380

[View Map](#)



Owner

Primary Owner
BURKE SANDRA GRAVES
1436 FT HARROD WAY
CRAB ORCHARD, KY 40419

Land Characteristics

Condition	Good	Topography	Rolling
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	0.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

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Developed by
 SCHNEIDER
GEOSPATIAL

Rockcastle County, KY PVA

Summary

Parcel Number	004-00-016
Account Number	1971
Location Address	FT HARROD WAY 1482
Description	LOT
	(Note: Not to be used on legal documents)
Class	Residential
Tax District	00 00
Rate Per Thousand	8.1380

[View Map](#)



Owner

Primary Owner
MCCOLLUM MARGARET T
1482 FT HARROD WAY
CRAB ORCHARD, KY 40419

Land Characteristics

Condition	Good	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	0.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

The Rockcastle County Property Valuation Administrator's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. All data is subject to change before the next certified taxroll.

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 **SCHNEIDER**
GEOSPATIAL

Rockcastle County, KY PVA

Summary

Parcel Number

Account Number

Location Address

Description

Class

Tax District

Rate Per Thousand

004-00-017

10230

FT HARROD WAY 1428

HOUSE & LOTS

(Note: Not to be used on legal documents)

Residential

00 00

8.1380

[View Map](#)



Owner

Primary Owner

[NAPIER CHARLES](#)

1428 FT HARROD WAY

CRAB ORCHARD, KY 40419

Land Characteristics

Condition	Good	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	1.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

The Rockcastle County Property Valuation Administrator's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. All data is subject to change before the next certified taxroll.

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Developed by

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GEOSPATIAL

Rockcastle County, KY PVA

Summary

Parcel Number

Account Number

Location Address

Description

Class

Tax District

Rate Per Thousand

004-00-018

4201

FT HARROD WAY 1386

HOUSE & 17 ACRES

(Note: Not to be used on legal documents)

Farm

00 00

8.1380

[View Map](#)



Owner

Primary Owner

BARRETT PAUL & NIETA

1386 FT HARROD WAY

CRAB ORCHARD, KY 40419-9619

Land Characteristics

Condition	Good	Topography	Rolling
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	17.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

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Rockcastle County, KY PVA

Summary

Parcel Number	004-00-019.01
Account Number	5273
Location Address	FT HARROD WAY 0 - DYSART WAY
Description	1 ACRE
	(Note: Not to be used on legal documents)
Class	Residential
Tax District	00 00
Rate Per Thousand	8.1380

[View Map](#)

Owner

Primary Owner
[CUMMINS GARLAN & RACHEL AND INA CUM](#)
4721 WILLAILLA ROAD
BRODHEAD, KY 40409

Land Characteristics

Condition	Average	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	1.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	
Shape		Information Source	

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Rockcastle County, KY PVA

Summary

Parcel Number 004-00-019.02
Account Number 3028
Location Address FT HARROD WAY 1298
Description HOUSE & 3.166 ACRES
(Note: Not to be used on legal documents)
Class Residential
Tax District 00 00
Rate Per Thousand 8.1380

[View Map](#)



Owner

Primary Owner
BURCHETT BENNY R & SHARON
P O BOX 744
BRODHEAD, KY 40409

Land Characteristics

Condition	Excellent	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	3.17	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

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GEOSPATIAL

Rockcastle County, KY PVA

Summary

Parcel Number

Account Number

Location Address

Description

Class

Tax District

Rate Per Thousand

004-00-019

5272

FT HARROD WAY 1168

17 ACRES M/L & HOUSE

(Note: Not to be used on legal documents)

Farm

00 00

8.1380

[View Map](#)



Owner

Primary Owner

BURCHETT BENNY RAY

P O BOX 744

BRODHEAD, KY 40409

Land Characteristics

Condition	Good	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	15.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

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Rockcastle County, KY PVA

Summary

Parcel Number 004-00-030
Account Number 7417
Location Address GUM SULPHUR RD 405
Description HOUSE & 13 ACRES
(Note: Not to be used on legal documents)
Class Farm
Tax District 00 00
Rate Per Thousand 8.1380

[View Map](#)



Owner

Primary Owner
WENTZEL AL & BEVERLY
405 GUM SULPHUR RD
CRAB ORCHARD, KY 40419

Land Characteristics

Condition	Good	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	13.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	Secondary
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

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 **SCHNEIDER**
GEOSPATIAL

Rockcastle County, KY PVA

Summary

Parcel Number

Account Number

Location Address

Description

Class

Tax District

Rate Per Thousand

005-00-008

4487

FT HARROD WAY 1299

33 ACRES & HOUSE

(Note: Not to be used on legal documents)

Farm

00 00

8.1380

[View Map](#)



Owner

Primary Owner

BAKER RALPH D & JUDITH B

1299 FT HARROD WAY

CRAB ORCHARD, KY 40419

Land Characteristics

Condition	Good	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	33.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

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Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

COULTON GREGORY W & DEBORAH Y
1572 FORT HARROD WAY
CRAB ORCHARD, KY 40419

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 2595 4515 61

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Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

BURKE SANDRA GRAVES
1436 FT HARROD WAY
CRAB ORCHARD, KY 40419

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

WENTZEL AL & BEVERLY
405 GUM SULPHUR RD
CRAB ORCHARD, KY 40419

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 2595 4515 85

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Certified Mail Fee

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Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

BAKER RALPH D & JUDITH B
1299 FT HARROD WAY
CRAB ORCHARD, KY 40419

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1828 0625 67

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Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

BURCHETT BENNY R & SHARON
P O BOX 744
BRODHEAD, KY 40409

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

LEE PHYLLIS A & MERELL D TRUST AGREE
2900 SPRINGDALE RD
CINCINNATI, OH 45251

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1828 0630 52

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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

BARRETT PAUL & NIETA
 1386 FT HARROD WAY
 CRAB ORCHARD, KY 40419-9619



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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

BURCHETT BENNY RAY
 P O BOX 744
 BRODHEAD, KY 40409



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Certified Mail Fee

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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

MCCOLLUM MARGARET T
 1482 FT HARROD WAY
 CRAB ORCHARD, KY 40419



PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1828 0630 69

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Certified Mail Fee

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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

NAPIER CHARLES
 1428 FT HARROD WAY
 CRAB ORCHARD, KY 40419



PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1828 0630 90

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Certified Mail Fee

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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

CUMMINS GARLAN & RACHEL AND
 INA CUM
 4721 WILLAILLA ROAD
 BRODHEAD, KY 40409



PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1828 0630 83

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Certified Mail Fee

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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

☐ Adult Signature Restricted Delivery \$

Postage

BIRNEY ALISON
 1068 QUAIL RD
 MOUNT VERNON, KY 40456



PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

~~BAKER~~ RALPH D & JUDITH B
1299 FT HARROD WAY
CRAB ORCHARD, KY 40419



9590 9402 7926 2305 8640 62

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4515 85

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Judy Baker*

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6-17-26

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation®
☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

COULTON GREGORY W & DEBORAH Y
1572 FORT HARROD WAY
CRAB ORCHARD, KY 40419



9590 9402 7926 2305 8640 55

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4515 78

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Deborah Coulton*

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6-17-26

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation®
☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

NAPIER CHARLES
1428 FT HARROD WAY
CRAB ORCHARD, KY 40419



9590 9402 7926 2305 8636 69

2. Article Number (Transfer from service label)

9589 0710 5270 1828 0630 69

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Charles Napier*

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6-17-26

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation®
☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BURKE SANDRA GRAVES
1436 FT HARROD WAY
CRAB ORCHARD, KY 40419



9590 9402 7926 2305 8640 48

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4515 61

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Sandra Burke

☐ Agent
☐ Addressee

B. Received by (Printed Name)

S.B.

C. Date of Delivery

6-17-26

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- | | |
|--|---|
| ☐ Adult Signature | ☐ Priority Mail Express® |
| ☐ Adult Signature Restricted Delivery | ☐ Registered Mail™ |
| ☒ Certified Mail® | ☐ Registered Mail Restricted Delivery |
| ☐ Certified Mail Restricted Delivery | ☐ Signature Confirmation™ |
| ☐ Collect on Delivery | ☐ Signature Confirmation Restricted Delivery |
| ☐ Collect on Delivery Restricted Delivery | |
| ☐ Insured Mail | |
| ☐ Insured Mail Restricted Delivery (over \$500) | |

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

WENTZEL AL & BEVERLY
405 GUMSULPHER RD
CRAB ORCHARD, KY 40419



9590 9402 7926 2305 8640 79

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4515 92

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Al Wentzel

☐ Agent
☐ Addressee

B. Received by (Printed Name)

A.W.

C. Date of Delivery

6-17-26

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- | | |
|--|---|
| ☐ Adult Signature | ☐ Priority Mail Express® |
| ☐ Adult Signature Restricted Delivery | ☐ Registered Mail™ |
| ☒ Certified Mail® | ☐ Registered Mail Restricted Delivery |
| ☐ Certified Mail Restricted Delivery | ☐ Signature Confirmation™ |
| ☐ Collect on Delivery | ☐ Signature Confirmation Restricted Delivery |
| ☐ Collect on Delivery Restricted Delivery | |
| ☐ Insured Mail | |
| ☐ Insured Mail Restricted Delivery (over \$500) | |

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BARRETT PAUL & NIETA
1386 FT HARROD WAY
CRAB ORCHARD, KY 40419-9619



9590 9402 7926 2305 8636 52

2. Article Number (Transfer from service label)

9589 0710 5270 1828 0630 52

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Paul B. Barrett

☐ Agent
☐ Addressee

B. Received by (Printed Name)

P.B.

C. Date of Delivery

6-17-26

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- | | |
|--|---|
| ☐ Adult Signature | ☐ Priority Mail Express® |
| ☐ Adult Signature Restricted Delivery | ☐ Registered Mail™ |
| ☒ Certified Mail® | ☐ Registered Mail Restricted Delivery |
| ☐ Certified Mail Restricted Delivery | ☐ Signature Confirmation™ |
| ☐ Collect on Delivery | ☐ Signature Confirmation Restricted Delivery |
| ☐ Collect on Delivery Restricted Delivery | |
| ☐ Insured Mail | |
| ☐ Insured Mail Restricted Delivery (over \$500) | |

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MCCOLLUM MARGARET T
1482 FT HARROD WAY
CRAB ORCHARD, KY 40419



9590 9402 7926 2305 8636 76

2. Article Number (Transfer from service label)

9589 0710 5270 1828 0630 76

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Margaret M. McClure ☐ Agent
☒ Addressee

B. Received by (Printed Name)

Margaret M. McClure

C. Date of Delivery

6/18/24

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation®
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CUMMINS GARLAN & RACHEL AND
INA CUM
4721 WILLAILLA ROAD
BRODHEAD, KY 40409



9590 9402 7926 2305 8636 90

2. Article Number (Transfer from service label)

9589 0710 5270 1828 0630 90

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Garlan & Rachel Cummins ☐ Agent
☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation®
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

LEE PHYLLIS A & MERELL D TRUST AGREE
2900 SPRINGDALE RD
CINCINNATI, OH 45251



9590 9402 7926 2305 8640 86

2. Article Number (Transfer from service label)

9589 0710 5270 1828 0625 50

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Merell D Lee ☐ Agent
☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation®
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.

- Print your name and address on the reverse so that we can return the card to you.

- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BURCHETT BENNY R & SHARON
P O BOX 744
BRODHEAD, KY 40409



9590 9402 7926 2305 8636 38

2. Article Number (Transfer from service label)

9589 0710 5270 1828 0625 67

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Benny R. Burchett ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over \$500)

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

■ Complete items 1, 2, and 3.

- Print your name and address on the reverse so that we can return the card to you.

- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BURCHETT BENNY RAY
P O BOX 744
BRODHEAD, KY 40409



9590 9402 7926 2305 8636 45

2. Article Number (Transfer from service label)

9589 0710 5270 1828 0625 74

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Benny R. Burchett ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over \$500)

Domestic Return Receipt

Track Packages
Anytime, Anywhere

Get the free Informed Delivery® feature to receive automated notifications on your packages

Learn More

Tracking Number:

9589071052701828063083

Remove X

Copy

Add to Informed Delivery

Latest Update

Your item could not be delivered on July 3, 2026 at 3:11 pm in MOUNT VERNON, KY 40456. It was held for the required number of days and is being returned to the sender.

Get More Out of USPS Tracking:
USPS Tracking Plus®

Alert

Unclaimed/Being Returned to Sender
MOUNT VERNON, KY 40456
July 3, 2026 3:11 PM

Reminder to Schedule Redelivery of your item
June 22, 2026

See All Tracking History

[What Do USPS Tracking Statuses Mean?](#)

Text & Email Updates

USPS Tracking Plus®

Product Information

See Less ^

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs

EXHIBIT K

COPY OF PROPERTY OWNER NOTIFICATION



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410

VIA CERTIFIED MAIL

Notice of Proposed Construction of Wireless Communications Facility

Dear Landowner:

APC Towers IV, LLC and Cellco Partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 9311 Dysart Way, Crab Orchard, KY 40419 (37° 25' 50.03" North latitude, 84° 27' 34.83" West longitude). The proposed facility will include a 245-foot-tall tower with a 5-foot-tall lightning arrestor attached at the top for a total height of 250 feet, plus related ground facilities. This facility is needed to provide improved service for wireless communications in the area.

This notice is being sent to you because the County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the PSC, either in writing or to request intervention in the PSC's proceedings on the application. You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2026-00157 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us toll free at (800) 516-4293 if you have any comments or questions about this proposal. The Applicants' site name is LV Turkeytown.

Sincerely,
Robert W. Grant
Attorney for Applicant

enclosures



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410



EXHIBIT L

**COPY OF COUNTY JUDGE/EXECUTIVE NOTICE &
PROOF OF NOTICE**



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410

VIA CERTIFIED MAIL

Howell Holbrook Jr.
County Judge Executive
PO Box 755
Mount Vernon, KY 40456

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2026-00157

Dear Judge/Executive:

APC Towers IV, LLC and Cellco Partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 9311 Dysart Way, Crab Orchard, KY 40419 (37° 25' 50.03" North latitude, 84° 27' 34.83" West longitude). The proposed facility will include a 245-foot-tall tower with a 5-foot-tall lightning arrestor attached at the top for a total height of 250 feet, plus related ground facilities. This facility is needed to provide improved service for wireless communications in the area.

You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2026-00157 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us at (800) 516-4293 with any comments or questions you may have. The Applicants' site name is LV Turkeytown.

Sincerely,
Robert W. Grant
Attorney for Applicants

Enclosures



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410



9589 0710 5270 1828 0631 06

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$

☐ Return Receipt (electronic) \$

☐ Certified Mail Restricted Delivery \$

☐ Adult Signature Required \$

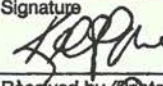
☐ Adult Signature Restricted Delivery \$

Postage \$

Howell Holbrook Jr.
 County Judge Executive
 PO Box 755
 Mount Vernon, KY 40456

SHEPHERDSVILLE KY
 JUN 11 2026
 40165

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. Howell Holbrook Jr. County Judge Executive PO Box 755 Mount Vernon, KY 40456  9590 9402 7926 2305 8637 06 2. Article Number (Transfer from service label) 9589 0710 5270 1828 0631 06	A. Signature ☒ X  ☐ Agent ☐ Addressee B. Received by (Printed Name) Kelly Ponder C. Date of Delivery 6-18-26 D. Is delivery address different from item 1? ☐ Yes If YES, enter delivery address below: ☐ No 3. Service Type <table border="0"> <tr> <td> ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☒ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Insured Mail ☐ Insured Mail Restricted Delivery (over \$500) </td> <td> ☐ Priority Mail Express® ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery </td> </tr> </table>	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☒ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Insured Mail ☐ Insured Mail Restricted Delivery (over \$500)	☐ Priority Mail Express® ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery
☐ Adult Signature ☐ Adult Signature Restricted Delivery ☒ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Insured Mail ☐ Insured Mail Restricted Delivery (over \$500)	☐ Priority Mail Express® ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery		

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

EXHIBIT M

**COPY OF POSTED NOTICES,
NEWSPAPER NOTICE ADVERTISEMENT TEAR SHEET &
AFFIDAVIT**

SITE NAME: LV TURKEYTOWN
NOTICE SIGNS

The signs are at least (2) feet by four (4) feet in size, of durable material, with the text printed in black letters at least one (1) inch in height against a white background, except for the word “**tower**,” which is at least four (4) inches in height.

APC Towers IV, LLC and Celco Partnership d/b/a Verizon Wireless, propose to construct a telecommunications **tower** on this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2026-00157 in your correspondence.

APC Towers IV, LLC and Celco Partnership d/b/a Verizon Wireless, propose to construct a telecommunications **tower** near this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2026-00157 in your correspondence.

— Rockcastle Middle School Honor Roll —

Enterprisers

Zoe Arnold, Jadynn Asher, Ava Baldwin, Raeleigh Begley, Lilli Braden, Haylie Collier, Tilly Cope, Lillith Cornelius, Josie Cruz, Zayden Daugherty, Brylee Dollins, Samuel Fay, Kash Fowler, Audrey Harding, Kinley Harris, Zarina Harris, Brody Hasty, Gavin Hayes, Karmyn Hunsucker, Eli King, Kiley Larkey, Jojo Lawson, Blaklee Lear, Karter Linville, Gracelynn Lowe, McKinzie McFerron, Gunner Mink, Jase Napier, Tripp Nicely, Adasynn Payne, Jesus Perez, Carson Phillips, Aria Price, Ava Smith, Trinity Sparks, Lucas Stallsworth, Maelee Stephens, Ada Swinford, Hannah Taylor, Paisley Taylor, Ivan Watts, Jackson Whitaker, Adrienne Winchester

Voyagers

Maycee Abney, Parker Anglin, Avalynn Baxter, Cooper Brown, Liam Burke, Jaxon Bustle, Alyvia Carpenter, Gavin Chrisman, Kinsli Cole, Preston Combs, Avery Dobbs, Aaron Eckert, Calypso Fortner, Kaycee Hall, Trevor Hancock, Alyana Johnson, Zaylin Johnson-Alcorn, Avalon Klave, Lincoln Lynch, Sam McGuire, Connor McKinney, Paisley Mills, Bentlee Ramsey, Lynlee Sheperd, Dana Stacy, Kaydence Stewart, Trinity Tanner, Rylee Thacker, Ella Todd, Astra Vanwinkle, Grayson Ward, Liam Williams, Cole Zechman

Adventurers

Kaela Anzures, Bluth

Raeleigh Biggs, Bo Bishop, Isabella Bowles, Silas Burdette, Audrey Caldwell, Deegan Caldwell, Madison Carter, Jace Childress, Hanna Cornelius, Waylon Cowan, Wrett Craig, River Dillingham, Lorelai Edwards, Braxton Falin, Elizabeth Fay, Ella Ford, Zane Gilbert, Tracey Hansel, Jaylynn Hardin, Nash Harper, Lily Hensley, Kindle Howard, Noah Howard, Canaan Hurst, Mackinley Johnson, Kennedy Kelley, Colten Lear, Kinzie Lohrey, Karma Mardis, Kaylee Mason, Ryder Mason, Brody Mason, Bristol McClure, Addilyn McFerron, Riley McKinney, Maggie Medley, Allie Mullins, Madison Mullins, Aleena Napier, Clay Nelson, Danielle Owens, Luke Owens, Carmen Perez, Kara Philbeck, Tristan Potter, Alivia Reppert, Abigail Reynolds, Carlee Rice, Cole Salyers, Hollyan Savage, Sophie Savage, Alydia Scheffler, Jasper Smith, Christopher Sprinkles, Chloe Stewart, Kelsey Terry, Adalynn Thacker, Caleb Thompson, Reagan Tracy, Madison Vanwinkle, Nathaniel Wasson, Elayna Wearren, Addie Wilburn, Eli Williams, Te'oyanna Young, Rigoberto Zunun-Perez

ChallengersNü Sadie Adams, Gus Akin, Layla Armstrong, Paisley Bishop, Lillian Bowman, Tabby Bowman, Casen Burdette, Parker Burdette, Bentley Bussell, Nicholas Cain, Jayden Caldwell, Kynlee Calico, Arden Carrera, Jayla Coleman, Ava

Gabriella Vanwinkle, Chloe Ward, Christian Willis, Molly Willis, Brooklyn Wren, Chloe Wren, Brooklyn York

Comets

Kaylea Abrams, Kyleigh Abrams, Esme Alcorn, Torrie Anglin, Kaden Baker, Aniya Barnett, Dakota Barnett, Noah Barricks-Ketchum, Buddy-Scott Barron, Chloe Barron, Jacob Bolin, Trapper Bray, Nathaniel Brockman, Zoey Brown, Lincoln Bryant, Aaliyah Caldwell, Sydney Carpenter, Andrew Cash, Layla Childress, Mackenzie Clark, Carlee Davidson, Grant Day, Sophie Edgington, Jeremiah Fakhreddine, Emily Frazier, Allison Gadd, Christian Gibson, Kassidy Graves, Gabriel

Griffith, Jaylen Hager, Keileigh Hall, Donna Hasty, Eli Hayes, Taylin Hembree, Bryce Hunt, Jada James, Hazelyn Jones, Mackenzie Karrman, Wesley Maupin, Matthew McClure, Maleigha McFerron, Titus McGuire, Makenna McNally, Gabriella Milburn, Carabella Mink, Ember Miracle, Lacey Mize, Carson Neeley, Abigail Northern, Chase Prewitt, Katie Renner, Melindsey Reynolds, Kylee Robinson, Amiyah Scalf, Zaydon Scalf, Trinnity Sellers, VivieAnn Short, Brylee Silcox, Addison Smith, Makenna Stanley, Dessi Thomason, Allison Tritt, Matthew Vanwinkle, Elizabeth Warner, Aubree Winkler

Pawfect Pets



This week's installment of Pawfect Pets includes Murphy, the 2-3 year old male Husky who is very friendly (left) and Samson, the 1-2 year old male Husky who is friendly. Anyone interested in adopting one of these pets, or any other animal at the Rockcastle County Animal Shelter, should visit the shelter or call 256-1833.

Notice

APC Towers IV, LLC and Cellco Partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 9311 Dysart Way, Crab Orchard, KY 40419 (37° 25' 50.03" North latitude, 84° 27' 34.83" West longitude). You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2026-00157 in any correspondence sent in connection with this matter.

PUBLIC NOTICE

Notice is hereby given that L-M Asphalt Partners, LTD dba Rockcastle Materials, SEQ CHAPTER 1 3009 Atkinson Avenue, Suite 400 Lexington, Kentucky, 40509, has filed an application with the Energy and Environment Cabinet to place a culvert in jurisdictional waters at Latitude 37° 19' 33" and Longitude 84° 23' 01" for a quarry mine expansion.

The property is located at 740 Lake Cumberland Road, Mount Vernon, Kentucky 40456 and is located on KY 461 approximately 1.5 miles south of KY 150 junction and is located 2.5 miles southwest of Mt. Vernon, in Rockcastle County Kentucky. Any comments or objections concerning this application shall be directed in writing to: Kentucky Division of Water, Surface Water Permit Branch, Flood Plain Management Section, 300 Sower Blvd, Frankfort, Kentucky 40601, Phone Number 502-564-3410.

Commonwealth of Kentucky 28th Judicial Circuit Rockcastle Circuit Court • Division I Civil Action No. 25-CI-00290

21st Mortgage Corporation Plaintiff

V.

Jonathan Perkins, Erika Perkins,
Commonwealth of Kentucky,
County of Rockcastle Defendants

NOTICE OF SALE

Pursuant to a judgment and order of sale entered in this action on March 27, 2026 for satisfying the judgment entered in favor of the plaintiff against the defendants in the amount of FORTY EIGHT THOUSAND NINE HUNDRED EIGHTY DOLLARS AND 40/100 (\$48,980.40) plus interest costs and

Mount Vernon Signal

PHONE 606-256-2244

"Serving Rockcastle County Since 1887"

FAX 606-256-9526

Perlina M. Anderkin, Publisher

Paige Bengé, Advertising Mgr.

Affidavit of Publication

I, Paige Bengé, of the Mount Vernon Signal, do hereby
certify that the publication of wireless communications facility
for APC Towers and Cellco was inserted
into the Mount Vernon Signal on the following dates:

Date: 6-18-26 Page 8 Col. 5+6

Date: _____ Page _____ Col. _____

Date: _____ Page _____ Col. _____

Date: _____ Page _____ Col. _____

Signature Paige Bengé

Subscribed and sworn to before me this 25th day of June
2026.

Notary Public Jerusha Robinson
My commissioner expires KYNP 112850
EXP. 4/6/2030

EXHIBIT N

COPY OF RADIO FREQUENCY DESIGN SEARCH AREA

LV Turkeytown

Lat-Lon: 37.4300911, -84.4595911

