COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF)
VB BTS III, LLC AND)
NEW CINGULAR WIRELESS PCS, LLC)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC) CASE NO.: 2025-00268
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF BELL)

SITE NAME: DAVISBURG

APPLICATION FOR

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

VB BTS III, LLC, a Delaware limited liability company, which markets its service under Vertical Bridge branding, and New Cingular Wireless PCS, LLC, a Delaware limited liability company, which markets its services under AT&T branding ("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 New Cingular Wireless PCS, LLC 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: VB BTS III, LLC, a Delaware limited liability company, which markets its services under Vertical Birdge branding, having an address of 750 Park of Commerce Drive, Suite 200, Boca Raton, FL 33487 and New Cingular Wireless PCS, LLC, a Delaware limited liability company, which markets its services under AT&T branding, having an address of 1025 Lenox Park Blvd NE, 3rd Floor, Atlanta, GA 30319.
- 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. VB BTS III, LLC is a limited liability company organized in the State of Delaware. VB BTS III, LLC's Certificate of Good Standing issued by the State of Delaware is attached as part of **Exhibit A** and hereby incorporated by reference. VB BTS III, 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. New Cingular Wireless PCS, LLC is a limited liability company organized in the State of Delaware on October 20, 1994. New Cingular Wireless PCS, LLC's Certificate of Good standing issued by the State of Delaware is attached as part of **Exhibit A** and hereby incorporated by reference. New Cingular Wireless PCS, LLC is in good standing in

the state in which it is organized and further states that they are authorized to transact business in Kentucky. A copy of the Applicant's Certificate of Authorization issued by the Kentucky Secretary of State is attached as part of **Exhibit A** and is hereby incorporated by reference.

- 5. New Cingular Wireless PCS, LLC operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. A copy of the Applicant's 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 New Cingular Wireless PCS, LLC's services to an area currently not served or not adequately served by New Cingular Wireless PCS, LLC 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 New Cingular Wireless PCS, LLC's 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 New Cingular Wireless PCS, LLC's 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 100 Old Chenoa Road, Pineville, KY 40977 (36° 39' 57.81" North latitude, 83° 51' 30.74" 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 Bill H. Partin and Amy B. Partin pursuant to a deed recorded at Deed Book 399, Page 663 in the office of the County Clerk. The proposed WCF will consist of a 255-foot tall self-support tower, with an approximately 10-foot tall lightning arrestor attached at the top, for a total height of 265-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 New Cingular Wireless PCS, LLC 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 New Cingular Wireless PCS, LLC's antennas on an existing structure. When suitable towers or structures exist, New Cingular Wireless PCS, LLC attempts to co-locate on existing structures such as communications towers or other structures capable of supporting New Cingular Wireless PCS, LLC's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site.

- 12. A copy of the Determination of No Hazard to Air Navigation issued by the Federal Aviation Administration ("FAA") for the proposed tower is attached as **Exhibit E**.
- 13. A copy of the approval from the Kentucky Airport Zoning Commission ("KAZC") for 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. BTS Towers, LLC, pursuant to a written agreement, 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**. BTS Towers, LLC's interest in this site has been assigned to VB BTS III, LLC via the Omnibus Assignment attached as part of **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 Josh Sizemore 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 Bell County PVA records obtained on May 22, 2025 (and reverified on August 15, 2025) and used to generate the notice list are attached as part of **Exhibit J**.
- 23. Two notice letters were sent to the landowners on the notice list at the mailing addresses shown on the County's 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. The two notice letters have been "delivered, individual picked up at postal facility" and "delivered, individual picked up at post office" according to United States Postal Service (USPS) tracking data, which 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" is also attached as a part of **Exhibit L**. The letter to the Judge Executive has been "delivered, individual picked up at post office"

according to United States Postal Service (USPS) tracking data, which is attached as 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 is attached as part of **Exhibit M**.
- 27. The general area where the proposed facility is heavily wooded with extreme changes in topography. The parcel on which the proposed facility is located includes a mobile home. The site parcel is surrounded entirely by densely forested land.
- 28. The process that was used by New Cingular Wireless PCS, LLC's 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. New Cingular Wireless PCS, LLC's 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 New Cingular Wireless PCS, LLC's 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

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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

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Keids Brown

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

Α	-	Business Documentation & FCC Documentation
В	-	Site Development Plan:
		500' Vicinity Map Legal Descriptions Flood Plain Certification Site Plan Vertical Tower Profile
С	-	Tower and Foundation Design
		Construction Manager Letter List of Qualified Professionals Tower and Foundation Drawings
D	-	Competing Utilities, Corporations, or Persons List
E	-	FAA – Determination of No Hazard to Air Navigation
F	-	Kentucky Airport Zoning Commission – Approval Documentation
G	-	Geotechnical Report
Н	-	Directions to WCF Site
I	-	Copy of Real Estate Agreement Omnibus Assignment
J	-	Notification Listing, PVA Records & Proof of Notice
K	-	Copy of Property Owner Notification
L	-	Copy of County Judge/Executive Notice & Proof of Notice
М	-	Copy of Posted Notices and Newspaper Notice Advertisement
N	-	Copy of Radio Frequency Design Search Area

EXHIBIT A

BUSINESS DOCUMENTATION & FCC LICENSE DOCUMENTATION



I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE, DO HEREBY CERTIFY "NEW CINGULAR WIRELESS PCS, 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 TWELFTH DAY OF APRIL, A.D. 2024.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "NEW CINGULAR WIRELESS PCS, LLC" WAS FORMED ON THE TWENTIETH DAY OF OCTOBER, A.D. 1994.

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

ARVS O

Authentication: 203243800

Date: 04-12-24

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

Certificate of Authorization

Authentication number: 307635

Visit https://web.sos.ky.gov/ftshow/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,

NEW CINGULAR WIRELESS PCS, 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 October 14, 1999.

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 21st day of March, 2024, in the 232nd year of the Commonwealth.



Michael G. adams

Michael G. Adams Secretary of State Commonwealth of Kentucky 307635/0481848

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 "VB BTS III, LLC",

FILED IN THIS OFFICE ON THE TWELFTH DAY OF MARCH, A.D. 2024, AT

1:45 O'CLOCK P.M.



Authentication: 203006701

Date: 03-12-24

3252190 8100 SR# 20240970280

STATE OF DELAWARE CERTIFICATE OF FORMATION OF LIMITED LIABILITY COMPANY The undersigned authorized person, desiring to form a limited liability company puto the Limited Liability Company Act of the State of Delaware, hereby certifies as follows: 1. The name of the limited liability company is VB BTS III, LLC 2. The Registered Office of the limited liability company in the State of Delaware.				
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O	F LIMITED LI	ABILITY COM	PANY	
to the Limited Liabi				ant
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2. The Register	ed Office of the limit	ed liability company i	n the State of Delawar	e is
located at	850 New B	urton Road Suite 201	(stre	et),
in the City of	Dover	, Zip Code	19904 . 17	1e
name of the Register liability company ma	ed Agent at such add ay be served is	iress upon whom proc Cogency G	ess against this limited lobal inc.	

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State of Delaware
Secretary of State
Division of Corporations
Delivered 01:45 PM 03/12/2024
FILED 01:45 PM 03/12/2024
SR 20240970280 - File Number 3252190



I, CHARUNI PATIBANDA-SANCHEZ, SECRETARY OF STATE OF THE STATE

OF DELAWARE, DO HEREBY CERTIFY "VB BTS III, 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 NINTH DAY OF MAY, A.D. 2025.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "VB BTS III, LLC"
WAS FORMED ON THE TWELFTH DAY OF MARCH, A.D. 2024.

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

TARY'S OFFICE TA

Charum Patibands-Sanchez, Secretary of State
Authentication: 203651768

C. G. Sanckey

Date: 05-09-25

3252190 8300 SR# 20252147900



COMMONWEALTH OF KENTUCKY MICHAEL G. ADAMS, SECRETARY OF STATE

1453842.06

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Michael G. Adams Kentucky Secretary of State Received and Filed: 5/7/2025 10:47 AM

Division of Business Filings	Certificate of Authority	Fee Receipt: \$90.00
P.O. Box 718 Frankfort, KY 40602 (502) 564-3490 www.sos.ky.gov	(Foreign Business Entity)	
Pursuant to the provisions of KRS 14A – 030 and, for that purpose, submits the following s	the undersigned hereby applies for authority to transact busin tatements:	ess in Kentucky on behalf of the entity named below
		7

1. The entity is a: prof	it corporation	nonprofit corporation	ı p	orofessional limited l	iability company
bus	ness trust	limited liability compa	any 🔲 s	statutory trust	
Limit	ed partnership	Itd cooperative assoc	ciation \Box c	other	
non	-profit IIc	professional service	corporation		
2. The name of the entity is VE	BTS III, LLC				
	(The name must be ide	ntical to the name on recor	d in the state where the	e entity was formed	d.)
3. The name of the entity to be	used in Kentucky is (if app		name on line 2 is unava	ilable for use: othe	erwise. leave blank.)
4. The state or country under v	whose law the entity is orga	· • •			
5. The date of organization is	3/12/2024	and the	period of duration is perp	petual	
_					s considered perpetual.)
The mailing address of the entropy750 Park of Commerce Drive, Suit	• • •	Boca R	aton	FL	33487
Street Address	e 200 Suite 219	City		State	Zip Code
	stitula ragiatarad office in Ka	•			p
7. The street address of the er 828 Lane Allen Road	ility's registered office in Ke	Lexingto	on	KY	40504
Street Address (No P.O. Box	Numbers)		City	State	Zip Code
and the name of the registered		stered Agent Solutions, Inc.	-		
8. The names and business ac			s and directors, manage	ers, trustees or gene	ral partners):
VB B3, LLC	750 Park of Commerce I	Drive, Suite 200 Suite 219 Boca R	aton	FL	33487
Name	Street or P.O. Bo	City		State	Zip Code
Name	Street or P.O. Bo	City		State	Zip Code
Name	Street or P.O. Bo	city		State	Zip Code
If a professional service corp and treasurer are licensed in or statement of purposes of the co	ne or more states or territor				
10. I certify that, as of the date	of filing this application, the	above-named entity validly e	xists under the laws of th	ne jurisdiction of its f	ormation.
11. If a limited partnership, it el	ects to be a limited liability l	imited partnership. Check th	e box if applicable:		
12. If a limited liability company	, check the box if manager-	managed:			
13. This entity is a retailer of au	thorized vapor products as	defined by KRS 438.305(2).	Check the box, if applica	ble:	
Brondy Hill		Brandy Hill, Auth		5/1/2025	
Signature of Authorized Represe	ntative	Printed	d Name & Title		Date
I, Registered Agent Solutions, Inc	<u>. </u>	, consent to se	erve as the registered ag	ent on behalf of the	business entity.
Type/Print Name of Registered	Agent	 -	5 0		•
1. Adhuol	iO L	Samantha Niels	Assistant Se	ecretary	5/1/2025
Signature of Registered Agent	POST.	Printed Name	Title	20.01017	Date

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: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE NEW CINGULAR WIRELESS PCS, LLC 208 S AKARD ST, 20F DALLAS, TX 75202

Call Sign KNKN673	File Number 0009619134				
Radio CL - C	Service ellular				
Market Numer	Channel Block				
CMA453	A				
Sub-Market	Designator				
)				

FCC Registration Number (FRN): 0003291192

Market Name Kentucky 11 - Clay

Grant Date 09-08-2021 Effective Date 01-23-2024 Expiration Date 10-01-2031 Five Yr Build-Out Date	Print Date 09-08-2021
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Site Information:

LocationLatitudeLongitudeGround Elevation (meters)Structure Hgt to Tip (meters)Antenna Structure Registration No.436-44-50.6 N084-08-43.6 W469.762.21043812

Address: 969 CELL TOWER ROAD (76426)

City: WILLIAMSBURG County: WHITLEY State: KY Construction Deadline:

Antenna: 1								
Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	164.200	142.000	198.300	134.200	151.500	124.900	186.500	184.500
Transmitting ERP (watts) Antenna: 2	80.790	33.632	2.346	0.254	0.164	0.164	5.156	40.160
Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	164.200	142.000	198.300	134.200	151.500	124,900	186.500	184.500
Transmitting ERP (watts) Antenna: 3	1.159	16.802	80.666	104.784	22.590	1.407	0.209	0.204
Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	164.200	142.000	198.300	134.200	151.500	124.900	186.500	184.500
Transmitting ERP (watts)	0.393	0.106	0.095	1.187	9.994	34.712	26.126	3.238

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.

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820
Azimuth(from true north)
Antenna Height AAT (meters)
159.200
Transmitting ERP (watts)
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Call Sign: KNKN673 **Print Date:** 09-08-2021 **File Number:** 0009619134

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Maximum Transmitting ERP i Azimuth(from true north) Antenna Height AAT (meters) Fransmitting ERP (watts)	0	45 319.800 0.224	90 30.000 0.588	135 54.700 1.866	180 30.000 27.246	225 198.900 84.787	270 238.900 72.123	315 287.300 11.074	
	Longitude	Gı	ound Elev		ructure Hg neters)	t to Tip	Antenna St Registratio		
Location Latitude	2011910444	(m	eters)	(11	16615)		itegisti atio	11 1 100	
Location Latitude 13 36-40-53.1 N	084-08-46.5 W	,	6.2	58			Registratio	11 110.	
13 36-40-53.1 N Address: 895 WAGON WHI	084-08-46.5 W	44)	-6.2	`	3.8		Registratio	1110	

315 145.600

1.828

270

107.500 0.387

180

1.351

101.200

135

125.700 10.065

225

58.800 0.211

Call Sign: KNKN673	File I	Number:	000961913	34	Pı	int Date	: 09-08-2021	
Location Latitude 13 36-40-53.1 N	Longitude 084-08-46.5 W	(m	ound Eleva eters) 6.2	ation	Structure Hgt (meters) 58.8	to Tip	Antenna St Registratio	
Address: 895 WAGON WHE	EL ROAD (76433)				20.0			
	ounty: WHITLEY	State: F	XY Cons	tructio	n Deadline:			
		200001						
Antenna: 2								
Maximum Transmitting ERP in	Watts: 140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters) Transmitting ERP (watts)	159.200	160.200	107.400	125.70		58.800	107.500	145.600
Antenna: 3	0.124	3.716	14.234	28.095	5 19.823	32.016	11.426	8.167
Maximum Transmitting ERP in								
Azimuth(from true north) Antenna Height AAT (meters)	0 159.200	45	90	135	180	225	270	315
Transmitting ERP (watts)	21.702	160.200 2.370	107.400 0.815	125.70 0.286	00 101.200 0.611	58.800 12.974	107.500 63.085	145.600 92.160
	21.702	2.370	0.013	0.200	0.011	12.774	03.003	72.100
Location Latitude	Longitude	Gr	ound Eleva	ation	Structure Hgt	to Tip	Antenna St	ructure
	O	(m	eters)		(meters)		Registratio	n No.
16 36-50-41.4 N	084-09-27.9 W	41	0.0		97.8		1204258	
Address: 4499 HIGHWAY 51	1 (64046)							
City: Rockholds County: W	HITLEY State:	KY Co	nstruction	Deadl	ine: 02-23-2013	3		
Antenna: 1 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters)	Watts: 140.820 0 144.000	45 137,900	90 124.500	135 157.70	180	225 187,400	270 152,500	315 147,000
Transmitting ERP (watts)	40.926	37.139	5.069	0.465	0.105	0.099	1.028	10.105
Antenna: 2	W-44 140.920							
Maximum Transmitting ERP in Azimuth(from true north)	waus: 140.820	45	90	135	180	225	270	315
Antenna Height AAT (meters)	144.000	137.900	124.500	157.70	7	187.400	152.500	147.000
Transmitting ERP (watts)	0.176	0.199	0.523	10.033	3 46.347	45.959	7.311	1.005
Location Latitude	Longitude		ound Eleva	ation	Structure Hgt (meters)	to Tip	Antenna St Registratio	
17 37-09-19.2 N	083-26-33.1 W	`	6.6		98.1		1043811	
Address: 2255 DAVIDSON F		24)						
City: THOUSAND STICKS	County: LESLIE	State:	KY Cons	structio	on Deadline: 02	2-23-2013	3	
•								

Antenna: 1 Maximum Transmitting ERP in Watts:	140 820							
Azimuth(from true north) Antenna Height AAT (meters)	0 255.100	45 250.600	90 210.300	135 157.900	180 145.900	225 186.400	270 230.000	315 208.500
Transmitting ERP (watts) Antenna: 2	183.310	76.153	8.501	2.109	0.426	0.548	8.899	75.006
Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	0 255.100 1.243	45 250.600 25.877	90 210.300 136.672	135 157.900 204.174	180 145.900 47.594	225 186.400 4.976	270 230.000 1.640	315 208.500 0.627

Call Sign: KNKN673 **File Number:** 0009619134 **Print Date:** 09-08-2021

LocationLatitudeLongitudeGround Elevation (meters)Structure Hgt to Tip (meters)Antenna Structure Registration No.1737-09-19.2 N083-26-33.1 W516.698.11043811

Address: 2255 DAVIDSON FORK ROAD (76424)

City: THOUSAND STICKS County: LESLIE State: KY Construction Deadline: 02-23-2013

Antenna: 3 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north)
Antenna Height AAT (meters) 90 135 180 225 270 315 45 255.100 250.600 210.300 157.900 145.900 186,400 230.000 208.500 Transmitting ERP (watts) 2.923 0.456 0.895 4.155 54.327 193.511 147.915 23.334

LocationLatitudeLongitudeGround Elevation (meters)Structure Hgt to Tip (meters)Antenna Structure Registration No.1836-45-42.1 N083-40-29.0 W685.2129.51215974

Address: RO7 PO BOX 264E BIRD BRANCH ROAD (76437)

City: PINEVILLE County: BELL State: KY Construction Deadline: 02-23-2013

Antenna: 1 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north) 45 90 135 180 225 270 315 Antenna Height AAT (meters) 314.900 270.100 337.000 312.300 338.800 334.000 355.300 387.000 Transmitting ERP (watts) 91.981 37.204 3.868 0.201 0.271 4.377 36.079 0.986 Antenna: 2 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north) 90 180 225 270 315 45 135 Antenna Height AAT (meters) 314.900 270.100 387.000 337.000 312.300 338.800 334.000 355.300 Transmitting ERP (watts) 2.152 13.241 26.567 29.575 18.963 3.888 1.518 5.601 Antenna: 3 **Maximum Transmitting ERP in Watts: 140.820** Azimuth(from true north) 90 135 180 225 270 45 315 Antenna Height AAT (meters) 314.900 270.100 337.000 312.300 338.800 334.000 355.300 387.000 Transmitting ERP (watts) 5.299 1.993 2.409 23.634 32.748 36.478 14.971 5.378

Location LatitudeLongitudeGround Elevation (meters)Structure Hgt to Tip (meters)Antenna Structure Registration No.1936-53-53.5 N083-19-27.0 W858.635.4

Address: 3017 NORTH US HIGHWAY 421 (76355)

City: BAXTER County: HARLAN State: KY Construction Deadline: 02-23-2013

Antenna: 1 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north)
Antenna Height AAT (meters) 270 45 90 135 180 225 315 423.700 288.900 415.500 424.000 260.500 381.500 270.400 273.500 **Transmitting ERP (watts)** 118.281 51.051 5.389 1.305 0.258 0.357 5.945 46.435 Antenna: 2 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north)
Antenna Height AAT (meters) 225 270 45 90 135 180 315 423.700 288.900 415.500 424.000 260.500 381.500 270.400 273.500 Transmitting ERP (watts) 4.387 28.108 56.992 61.619 38.611 11.792 8.653 3.099

Azimuth(from true north)
Antenna Height AAT (meters)

Transmitting ERP (watts)

Call Sign: KNKN673 **File Number:** 0009619134 **Print Date:** 09-08-2021

Ground Elevation Structure Hgt to Tip **Location Latitude** Longitude **Antenna Structure** (meters) (meters) Registration No. 19 36-53-53.5 N 083-19-27.0 W 858.6 35.4 **Address:** 3017 NORTH US HIGHWAY 421 (76355) City: BAXTER **County: HARLAN** State: KY Construction Deadline: 02-23-2013 Antenna: 3 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north)
Antenna Height AAT (meters) 90 135 180 225 270 315 45 423.700 288.900 270.400 273.500 415.500 424.000 260.500 381.500 Transmitting ERP (watts) 1.510 0.244 0.451 2.060 26.719 99.966 80.742 11.222 **Ground Elevation Structure Hgt to Tip Location Latitude** Longitude **Antenna Structure** (meters) (meters) Registration No. 22 083-41-03.6 W 37-09-01.0 N 484.0 1267062 94.4 Address: Bear Creek Rd (87003) **County: CLAY** Construction Deadline: 02-23-2013 City: Hector State: KY Antenna: 1 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north) 45 90 135 180 225 270 315 Antenna Height AAT (meters) 247.900 220.000 188.600 160.500 206.100 259.700 247.500 246.500 Transmitting ERP (watts) 153,770 65.269 4.896 0.487 0.313 0.307 9.959 76.610 Antenna: 2 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north) 45 90 180 225 270 315 135 247.900 Antenna Height AAT (meters) 220.000 188.600 259.700 160.500 206.100 247.500 246.500 Transmitting ERP (watts) 140.260 1.554 22.565 112,704 30.708 1.874 0.302 0.278 Antenna: 3 **Maximum Transmitting ERP in Watts: 140.820** Azimuth(from true north) 90 135 180 270 315 45 225 Antenna Height AAT (meters) 247.900 220.000 188.600 160.500 206.100 259.700 247.500 246.500 Transmitting ERP (watts) 1.012 0.314 0.295 44.416 139.728 106.944 4.424 13.222 **Ground Elevation Structure Hgt to Tip** Longitude **Location Latitude Antenna Structure** (meters) (meters) Registration No. 23 083-45-07.4 W 452.6 96.0 1043808 37-08-58.7 N Address: LUCAS ROAD ON TOP OF HILL (76428) **County: CLAY** City: MANCHESTER State: KY **Construction Deadline:** Antenna: 1 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north)
Antenna Height AAT (meters) 270 45 90 135 180 225 315 212.800 191.000 199.900 198.200 202,800 202.900 150.800 181.400 **Transmitting ERP (watts)** 111.736 45.822 0.248 0.336 5.441 44.976 5.058 1.185Antenna: 2 **Maximum Transmitting ERP in Watts:** 140.820

315

202.900

0.308

225

2.526

198.200

180

199.900

23.078

270

0.830

202.800

45

191.000

13.113

212.800

0.630

90

150.800

68.789

135

181.400

97.232

Location 23	Latitude 37-08-58.7 N	Longitude 083-45-07.4 W	(Ground Elev (meters) 452.6		Structure Hgt (meters) 96.0	to Tip	Antenna St Registratio 1043808	
	LUCAS ROAD ON NCHESTER Cou		,	Constructio	Daad	12			
City: MAI	NCHESTER COU	nty: CLAY Sta	te: KY	Construction	n Dead	iine:			
Azin Antenna H	Transmitting ERP in nuth(from true north) eight AAT (meters) ng ERP (watts)	Watts: 140.820 0 212.800 4.442	45 191.000 3.181	90) 150.800 3.850	135 181.40 5.507	180 0 199.900 16.941	225 198.200 16.885	270 202.800 21.020	315 202.900 12.170
Location	Latitude	Longitude		Ground Elev		Structure Hgt	to Tip	Antenna St	
24	26 52 12 0 N	002 24 54 2 W		(meters)		(meters)		Registratio	n No.
	36-52-13.8 N	083-24-54.2 W		835.2		80.5		1007945	
	3700 WATTS CREE			<i>'</i>	4 4.9 -	. Doodle			
City: WAI	LLINS CREEK C	County: HARLAN	State	: KY Cons	truction	n Deadline:			
Antenna: 1 Maximum	Transmitting ERP in	n Watts: 140.820							
Azin	nuth(from true north)	0	45	90	135	180	225	270	315
	eight AAT (meters) ng ERP (watts)	357.800 116.142	283.300 48.918	372.000	363.20 1.287	0 337.000 0.267	470.900 0.341	325.200 5.779	332.900 46.632
	Transmitting ERP in								
	nuth(from true north) eight AAT (meters)	0 357.800	45 283.300	90	135	180	225	270	315
	ng ERP (watts)	1.626	16.756	372.000	363.20 60.050		470.900 5.464	325.200 2.977	332.900 1.029
	Transmitting ERP ir	Watts: 140.820							
	nuth(from true north) eight AAT (meters)	0 357.800	45	90	135	180	225	270	315
	ng ERP (watts)	337.800 1.479	283.300 0.233) 392.600 0.427	363.20 2.031	0 337.000 27.025	470.900 95.886	325.200 77.822	332.900 11.442
Location	Latitude	Longitude		Ground Elev	ation	Structure Hgt	to Tip	Antenna St	ructure
			((meters)		(meters)		Registratio	n No.
	36-36-37.5 N	083-42-49.1 W		346.5		60.3		1232693	
	131 AMESBURY S	, ,							
City: MID	DLESBORO Co	unty: BELL Sta	te: KY	Constructi	on Dead	lline:			
Antenna: 1									
Azin Antenna H	Transmitting ERP in nuth(from true north) eight AAT (meters) ng ERP (watts)	140.820 0 30.000 145.069	45 30.000 41.420	90 30.000 3.508	135 30.000 0.571	180 30.000 0.313	225 30.000 0.301	270 30.000 3.015	315 30.000 39.614
Maximum Azim Antenna H	Transmitting ERP in nuth(from true north) eight AAT (meters) ng ERP (watts)	1 Watts: 140.820 0 30.000 0.125	45 30.000 3.991	90 30.000 32.278	135 30.000 53.652		225 30.000 0.818	270 30.000 0.150	315 30.000 0.111

Call Sign: KNKN673 **File Number:** 0009619134 **Print Date:** 09-08-2021

LocationLatitudeLongitudeGround Elevation (meters)Structure Hgt to Tip (meters)Antenna Structure Registration No.2536-36-37.5 N083-42-49.1 W346.560.31232693

Address: 131 AMESBURY STREET (76438)

City: MIDDLESBORO County: BELL State: KY Construction Deadline:

Antenna: 3 **Maximum Transmitting ERP in Watts: 140.820** Azimuth(from true north)
Antenna Height AAT (meters) 90 135 180 225 270 315 45 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 Transmitting ERP (watts) 0.906 0.242 0.226 0.866 20.330 108.084 76.154 7.898

Location LatitudeLongitudeGround Elevation (meters)Structure Hgt to Tip (meters)Antenna Structure Registration No.2636-42-35.9 N083-40-58.1 W636.157.3

Address: RURAL ROUTE 1 BOX 109 (76441)

City: PINEVILLE County: BELL State: KY Construction Deadline:

Antenna: 1 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north) 45 90 135 180 225 270 315 Antenna Height AAT (meters) 218.900 188.400 242.700 284.100 201.300 245.000 65.400 257.700 Transmitting ERP (watts) 29.277 15.060 36.966 20.844 12.416 3.511 5.735 42.643 Antenna: 2 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north) 45 90 180 225 270 315 135 218.900 Antenna Height AAT (meters) 188.400 242.700 257.700 284.100 201.300 245.000 65.400 Transmitting ERP (watts) 17.897 0.639 0.133 0.186 4.240 28.970 66.602 2.186

Control Points:

Control Pt. No. 1

Address: 1650 LYNDON FARMS COURT

City: LOUISVILLE County: State: KY Telephone Number: (502)329-4700

Waivers/Conditions:

WE MAKE NO FINDING IN THESE CASES THE ISSUES RAISED IN FOOTNOTE 3 OF LA STAR CELLULAR TELEPHONE COMPANY, 7 FF Rcd 3762 (1992). THEREFORE, THESE GRANTS OF TRANSFERS/ASSIGNMENTS ARE CONDITIONED ON ANY SUBSEQUENT ACTION THE COMMISSION MAY TAKE CONCERING THE

Commission approval of this application and the licenses contained therein are subject to the conditions set forth in the Memorandum Opinion and Order, adopted on December 29, 2006 and released on March 26, 2007, and revised in the Order on Reconsideration, adopted and released on March 26, 2007. See AT&T Inc. and BellSouth Corporation Application for Transfer of Control, WC Docket No. 06-74, Memorandum Opinion and Order, FCC 06-189 (rel. Mar. 26, 2007); AT&T Inc. and BellSouth Corporation, WC Docket No. 06-74, Order on Reconsideration, FCC 07-44 (rel. Mar. 26, 2007).





Universal Licensing System

FCC > WTB > ULS > Online Systems > Application Search

FCC Site Map

ULS Application

Cellular - 0010868450 - NEW CINGULAR WIRELESS PCS, LLC

? HELP

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MAIN **ADMIN** TRANS LOG SERVICE SPECIFIC

File Number 0010868450 Radio Service CL - Cellular G - Granted Call Sign KNKN673 Application

Status

General Information

Application

AU - Administrative Update

Purpose

Existing Radio

Service

Authorization

Emergency STA Regular

Type

Action Date Receipt Date 01/22/2024 01/23/2024

Entered Date 01/22/2024

Expiration Date

No

Waiver No Number of Rules

Grandfathered Attachments

Privileges

Requested

Application Fee Regulatory Fee No

Exempt

Exempt

Major Request

Market Data

Market CMA453 - Kentucky 11 - Clay Channel Block (View Frequencies)

Submarket 0 Phase 2

Designator

Applicant Information

FRN 0003291192 Type Limited Liability Company

(View Ownership Filing)

Name NEW CINGULAR WIRELESS PCS, P:(855)699-7073 E:FCCMW@att.com

LLC

208 S Akard St, 20F Dallas, TX 75202

ATTN National Regulatory

Compliance

FRN of Real Real Party in Interest Party in Interest

Contact Information

Name AT&T Services, Inc.

Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202

ATTN NRC

P:(855)699-7073 E:FCCMW@att.com

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Federal Communications Commission 45 L Street NE Washington, DC 20554 Help | Tech Support

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE NEW CINGULAR WIRELESS PCS, LLC 208 S AKARD ST, 20F DALLAS, TX 75202

Call Sign KNLF251	File Number 0011504140	
Radio Service CW - PCS Broadband		

FCC Registration Number (FRN): 0003291192

<u> </u>			
Grant Date 06-22-2025	Effective Date 06-22-2025	Expiration Date 06-23-2035	Print Date 06-24-2025
Market Number MTA026		Channel Block A	
		t Name ngton-Evansvill	
1st Build-out Date 06-23-2000	2nd Build-out Date 06-23-2005	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 authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

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.

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).

Spectrum Lease Associated with this License. See Spectrum Leasing Arrangement Letter dated 12/06/2004 and File # 0001918512.

Commission approval of this application and the licenses contained therein are subject to the conditions set forth in the Memorandum Opinion and Order, adopted on December 29, 2006 and released on March 26, 2007, and revised in the Order on Reconsideration, adopted and released on March 26, 2007. See AT&T Inc. and BellSouth Corporation Application for Transfer of Control, WC Docket No. 06-74, Memorandum Opinion and Order, FCC 06-189 (rel. Mar. 26, 2007); AT&T Inc. and BellSouth Corporation, WC Docket No. 06-74, Order on Reconsideration, FCC 07-44 (rel. Mar. 26, 2007).

Call Sign: KNLF251 **File Number:** 0011504140 **Print Date:** 06-24-2025

700 MHz Relicensed Area Information:

Market Name Buildout Deadline Buildout Notification Status





Universal Licensing System

FCC > WTB > ULS > Online Systems > Application Search

FCC Site Map

ULS Application

PCS Broadband - 0011504140 - New Cingular Wireless PCS, LLC

? HELP

New Search Refine Search

Printable Page Reference Copy

MAIN ADMIN	TRANS LOG
------------	-----------

File Number 0011504140 Radio Service CW - PCS Broadband

G - Granted Call Sign KNLF251 Application

Status

General Information

RO - Renewal Only Application

Purpose

Existing Radio Service

Authorization **Emergency STA** Regular

Type

Action Date Receipt Date 03/28/2025 06/22/2025

Entered Date 03/28/2025 Requested

Expiration Date

Waiver No Number of Rules

Grandfathered Attachments No No

Privileges

Exempt

Regulatory Fee

No

Application Fee No

Exempt

Major Request

Use Question Commercial

Market Data

Market MTA026 - Louisville-Lexington-Channel Block

Evansvill

Submarket 15 Associated 001850.00000000-Designator Frequencies 001865.00000000

(MHz) 001930.00000000-

001945.00000000

Applicant Information

FRN 0003291192 Type Corporation

(View Ownership Filing)

P:(855)699-7073 Name New Cingular Wireless PCS, LLC E:FCCMW@att.com

208 S Akard St, 20F Dallas, TX 75202

ATTN National Regulatory

Compliance

Contact Information

Name AT&T Mobility Services LLC

Jessica Dunk

208 S Akard St, 20F Dallas, TX 75202

ATTN National Regulatory

Compliance

Qualifications, Ownership

Radio Service M

Mobile

Type

Regulatory Common Carrier

Interconnected Y

Yes

P:(855)699-7073

E:FCCMW@att.com

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 Yes 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.

Yes

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable Yes 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: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE NEW CINGULAR WIRELESS PCS, LLC 208 S AKARD ST, 20F DALLAS, TX 75202

Call Sign KNLF288	File Number 0011504181	
Radio Service CW - PCS Broadband		

FCC Registration Number (FRN): 0003291192

		1	
Grant Date 06-22-2025	Effective Date 06-22-2025	Expiration Date 06-23-2035	Print Date 06-24-2025
Market Number MTA044		nel Block B	Sub-Market Designator
		t Name xville	
1st Build-out Date 06-23-2000	2nd Build-out Date 06-23-2005	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

Commission approval of this application and the licenses contained therein are subject to the conditions set forth in the Memorandum Opinion and Order, adopted on December 29, 2006 and released on March 26, 2007, and revised in the Order on Reconsideration, adopted and released on March 26, 2007. See AT&T Inc. and BellSouth Corporation Application for Transfer of Control, WC Docket No. 06-74, Memorandum Opinion and Order, FCC 06-189 (rel. Mar. 26, 2007); AT&T Inc. and BellSouth Corporation, WC Docket No. 06-74, Order on Reconsideration, FCC 07-44 (rel. Mar. 26, 2007).

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.

Call Sign: KNLF288 **File Number:** 0011504181 **Print Date:** 06-24-2025

700 MHz Relicensed Area Information:

Market Name Buildout Deadline Buildout Notification Status





Universal Licensing System

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FCC Site Map

ULS Application

PCS Broadband - 0011504181 - NEW CINGULAR WIRELESS PCS, PLLC

Reference Copy

New Search Refine Search Printable Page

MAIN ADMIN TRANS LOG

File Number 0011504181 Radio Service CW - PCS Broadband

Call Sign KNLF288 Application G - Granted

Status

General Information

Application RO - Renewal Only

Purpose

Existing Radio

Service

Authorization Regular Emergency STA

Type

Receipt Date 03/28/2025 Action Date 06/22/2025

Entered Date 03/28/2025 Requested

Expiration Date

Waiver No Number of Rules

Attachments No Grandfathered No

Privileges

Exempt

Application Fee No Regulatory Fee No

Exempt

Major Request

Use Question Commercial

Market Data

Market MTA044 - Knoxville Channel Block B

001965.00000000

Applicant Information

FRN 0003291192 Type Limited Liability Company

(View Ownership Filing)

Name NEW CINGULAR WIRELESS PCS,

LLC

208 S Akard St, 20F Dallas, TX 75202 P:(855)699-7073 E:FCCMW@att.com ATTN National Regulatory

Compliance

Real Party in FRN of Real Interest Party in Interest

P:(855)699-7073

Interconnected

Yes

E:FCCMW@att.com

Contact Information

Name AT&T Mobility Services LLC

Jessica Dunk 208 S Akard St, 20F Dallas, TX 75202

ATTN National Regulatory

Compliance

Qualifications, Ownership

Radio Service

Mobile

Type

Regulatory Common Carrier

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 guestions.

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 Yes 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.

Yes

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable Yes 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: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE NEW CINGULAR WIRELESS PCS, LLC 208 S AKARD ST, 20F DALLAS, TX 75202

Call Sign KNLH398	File Number 0007642894
Radio	Service
CW - PCS	Broadband

FCC Registration Number (FRN): 0003291192

· ·			
Grant Date 04-14-2017	Effective Date 01-24-2024	Expiration Date 04-28-2027	Print Date 04-15-2017
Market Number BTA252		nel Block D	Sub-Market Designator
		t Name con, KY	
1st Build-out Date 04-28-2002	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: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNLH398 **File Number:** 0007642894 **Print Date:** 04-15-2017

700 MHz Relicensed Area Information:

Market Name Buildout Deadline Buildout Notification Status





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FCC Site Map

ULS Application

PCS Broadband - 0010873309 - New Cingular Wireless PCS, LLC

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Q New Search Q Refine Search

Printable Page Reference Copy

MAIN

ADMIN TRANS LOG

File Number 0010873309 Radio Service CW - PCS Broadband

G - Granted Call Sign KNLH398 Application

Status

General Information

Application

AU - Administrative Update

Purpose

Existing Radio

Service

Authorization Regular

Type

Entered Date 01/23/2024

01/23/2024

Requested **Expiration Date**

Action Date

Emergency STA

Waiver No Number of Rules

Attachments

Receipt Date

Grandfathered

Privileges

Application Fee

No

Regulatory Fee

Exempt

Major Request

Exempt

Market Data

Market BTA252 - Lexington, KY Channel Block

Submarket

0 Designator

Associated Frequencies

001865.00000000-001870.00000000

01/24/2024

No

(MHz)

001945.00000000-

001950.00000000

Applicant Information

FRN 0003291192 Type

Limited Liability Company

Name

New Cingular Wireless PCS, LLC

P:(855)699-7073 F:(214)746-6410 E:FCCMW@att.com

ATTN National Regulatory

208 S Akard St, 20F

Dallas, TX 75202

(View Ownership Filing)

Compliance

Real Party in Interest

FRN of Real Party in Interest

Contact Information

Name AT&T Services, Inc.

Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202

ATTN NRC

P:(855)699-7073 F:(214)746-6410 E:FCCMW@att.com

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RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE NEW CINGULAR WIRELESS PCS, LLC 208 S AKARD ST, 20F DALLAS, TX 75202

Call Sign KNLH550	File Number 0007642697
Radio	Service
CW - PCS	Broadband

FCC Registration Number (FRN): 0003291192

· ·			
Grant Date 04-11-2017	Effective Date 01-24-2024	Expiration Date 04-28-2027	Print Date 04-12-2017
Market Number BTA229		Channel Block E	
	Market Kingsport-Johns		
1st Build-out Date 04-28-2002	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 authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

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: NEW CINGULAR WIRELESS PCS, LLC

700 MHz Relicensed Area Information:

Market Name Buildout Deadline Buildout Notification Status





Universal Licensing System

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ULS Application

PCS Broadband - 0010873324 - New Cingular Wireless PCS, LLC

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Q New Search Q Refine Search

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MAIN **ADMIN** TRANS LOG

File Number 0010873324 Radio Service CW - PCS Broadband

G - Granted Call Sign KNLH550 Application

Status

General Information

AU - Administrative Update Application

Purpose

Existing Radio Service

Authorization

Regular

Emergency STA

Type

Waiver

Exempt

Receipt Date 01/23/2024 Action Date

01/24/2024

No

Entered Date 01/23/2024

Requested **Expiration Date**

Number of Rules

Attachments

Grandfathered

Privileges

Application Fee

No

No

Regulatory Fee

Exempt

Major Request

Market Data

Market BTA229 - Kingsport-Johnston City, Channel Block Ε

TN-Br

Submarket

0 Designator

Associated Frequencies

(MHz)

001885.00000000-001890.00000000

001965.00000000-001970.00000000

Applicant Information

FRN 0003291192 Type

(View Ownership Filing)

Name New Cingular Wireless PCS, LLC

> 208 S Akard St, 20F Dallas, TX 75202

ATTN National Regulatory

Compliance

Limited Liability Company

P:(855)699-7073 F:(214)746-6410

E:FCCMW@att.com

Real Party in Interest FRN of Real Party in Interest

Contact Information

Name AT&T Services, Inc.

Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC P:(855)699-7073 F:(214)746-6410 E:FCCMW@att.com

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RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE NEW CINGULAR WIRELESS PCS, LLC 208 S AKARD ST, 20F DALLAS, TX 75202

Call Sign KNLH575	File Number 0007642821
Radio	Service
CW - PCS	Broadband

FCC Registration Number (FRN): 0003291192

Grant Date 04-13-2017	Effective Date 01-24-2024	Expiration Date 04-28-2027	Print Date 04-14-2017
Market Number BTA295		nel Block E	Sub-Market Designator
	Marke Middlesboro	t Name -Harlan, KY	
1st Build-out Date 04-28-2002	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 authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

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: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNLH575 **File Number:** 0007642821 **Print Date:** 04-14-2017

700 MHz Relicensed Area Information:

Market Name Buildout Deadline Buildout Notification Status





Universal Licensing System

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FCC Site Map

ULS Application

PCS Broadband - 0010873326 - New Cingular Wireless PCS, LLC

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Q New Search Q Refine Search

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MAIN **ADMIN** TRANS LOG

File Number 0010873326 Radio Service CW - PCS Broadband

G - Granted Call Sign KNLH575 Application

Status

General Information

AU - Administrative Update Application

Purpose

Existing Radio

Service

Authorization Regular

Type

Action Date Receipt Date 01/23/2024 01/24/2024

Entered Date 01/23/2024

Expiration Date

Emergency STA

Waiver No Number of Rules

Grandfathered Attachments

Privileges

Requested

Application Fee

No

Regulatory Fee

No

F:(214)746-6410

E:FCCMW@att.com

Exempt

Major Request

Exempt

Market Data

Market BTA295 - Middlesboro-Harlan, KY Channel Block

Submarket 0 Associated 001885.00000000-Designator Frequencies 001890.00000000

(MHz) 001965.00000000-001970.00000000

Applicant Information

FRN 0003291192 Type Limited Liability Company

(View Ownership Filing)

Name New Cingular Wireless PCS, LLC P:(855)699-7073

208 S Akard St, 20F Dallas, TX 75202

ATTN National Regulatory

Compliance

Real Party in FRN of Real Interest Party in Interest

Contact Information

Name AT&T Services, Inc.

Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202

ATTN NRC

P:(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: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE NEW CINGULAR WIRELESS PCS, LLC 208 S AKARD ST, 20F DALLAS, TX 75202

Call Sign WPOI255	File Number 0011504213	
Radio Service CW - PCS Broadband		

FCC Registration Number (FRN): 0003291192

<u> </u>			
Grant Date 06-22-2025	Effective Date 06-22-2025	Expiration Date 06-23-2035	Print Date 06-24-2025
Market Number MTA026		Channel Block A	
		t Name ngton-Evansvill	
1st Build-out Date 06-23-2000	2nd Build-out Date 06-23-2005	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 authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

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: NEW CINGULAR WIRELESS PCS, LLC

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).

Spectrum Lease Associated with this License. See Spectrum Leasing Arrangement Letter dated 12/06/2004 and File # 0001918558.

The Spectrum Leasing Arrangement, which became effective upon approval of application file number 0001918558, was terminated on 04/14/2005. See file number 0002135370.

Commission approval of this application and the licenses contained therein are subject to the conditions set forth in the Memorandum Opinion and Order, adopted on December 29, 2006 and released on March 26, 2007, and revised in the Order on Reconsideration, adopted and released on March 26, 2007. See AT&T Inc. and BellSouth Corporation Application for Transfer of Control, WC Docket No. 06-74, Memorandum Opinion and Order, FCC 06-189 (rel. Mar. 26, 2007); AT&T Inc. and BellSouth Corporation, WC Docket No. 06-74, Order on Reconsideration, FCC 07-44 (rel. Mar. 26, 2007).

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

700 MHz Relicensed Area Information:

Market Name Buildout Deadline Buildout Notification Status





Universal Licensing System

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FCC Site Map

ULS Application

PCS Broadband - 0011504213 - NEW CINGULAR WIRELESS PCS, PLLC

Reference Copy

New Search Refine Search Printable Page

ADMIN

"

TRANS LOG

File Number 0011504213 Radio Service CW - PCS Broadband

Call Sign WPOI255 Application G - Granted

Status

General Information

Application RO - Renewal Only

Purpose

Existing Radio

MAIN

Service

Authorization Regular Emergency STA

Type

Receipt Date 03/28/2025 Action Date 06/22/2025

Entered Date 03/28/2025 Requested

Expiration Date

Waiver No Number of Rules

Attachments No Grandfathered No

Privileges

Exempt

Application Fee No Regulatory Fee No

Exempt

.. _ ..

Use Question Commercial

Market Data

Major Request

Market MTA026 - Louisville-Lexington- Channel Block A

Evansvill

(MHz) 001930.00000000-

001945.00000000

Applicant Information

FRN 0003291192 Type Limited Liability Company

(View Ownership Filing)

Name NEW CINGULAR WIRELESS PCS, P:(855)699-7073

LLC

208 S Akard St, 20F

E:FCCMW@att.com

Dallas, TX 75202 ATTN National Regulatory

Compliance

FRN of Real Real Party in Interest Party in Interest

Contact Information

Name AT&T Mobility Services LLC

> Jessica Dunk 208 S Akard St, 20F Dallas, TX 75202

ATTN National Regulatory

Compliance

Qualifications, Ownership

Radio Service

Mobile

Type

Regulatory Common Carrier Interconnected Yes

P:(855)699-7073 E:FCCMW@att.com

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 Yes 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.

Yes

Regulatory Compliance Certification

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

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Federal Communications Commission Phone: 1-877-480-3201 45 L Street NE ASL Videophone:1-844-432-2275 Washington, DC 20554

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE NEW CINGULAR WIRELESS PCS, LLC 208 S AKARD ST, 20F DALLAS, TX 75202

Call Sign WQGA824	File Number 0009696759		
Radio Service			
AW - AWS (1710-1755 MHz and			
2110-2155 MHz)			

FCC Registration Number (FRN): 0003291192

Grant Date 11-16-2021	Effective Date 01-23-2024	Expiration Date 11-29-2036	Print Date 11-17-2021
Market Number CMA453		nel Block A	Sub-Market Designator 0
	Marke Kentucky		
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: NEW CINGULAR WIRELESS PCS, LLC

700 MHz Relicensed Area Information:

Market Name Buildout Deadline Buildout Notification Status





Universal Licensing System

FCC > WTB > ULS > Online Systems > Application Search

FCC Site Map

ULS Application

AWS (1710-1755 MHz and 2110-2155 MHz) - 0010867612 - New ☑ HELP Cingular Wireless PCS, LLC

New Search Refine Search

Printable Page

Reference Copy

MAIN ADMIN TRANS LOG

File Number 0010867612 Radio Service AW - AWS (1710-1755 MHz and

2110-2155 MHz)

Call Sign WQGA824 Application G - Granted

Status

General Information

Application Purpose

AU - Administrative Update

Existing Radio

Service

Authorization

Regular

Emergency STA

Type

Receipt Date 01/22/2024

Action Date

01/23/2024

Entered Date 01/22/2024

Nο

Expiration Date

Requested

Waiver No

Number of Rules

Attachments

Grandfathered

Privileges

Application Fee

Exempt

Regulatory Fee

Exempt

Major Request

Market Data

Market CMA453 - Kentucky 11 - Clay

Channel Block

Α

Nο

Submarket Designator 0

Associated Frequencies (MHz) 001710.00000000-001720.00000000

002110.00000000-002120.00000000

Applicant Information

FRN 0003291192

Type

Limited Liability Company

Name

New Cingular Wireless PCS, LLC

208 S Akard St, 20F Dallas, TX 75202

ATTN National Regulatory

(View Ownership Filing)

Compliance

P:(855)699-7073 E:FCCMW@att.com Real Party in Interest

FRN of Real Party in Interest

Contact Information

Name AT&T Services, Inc.

> Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC

P:(855)699-7073 E:FCCMW@att.com

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE NEW CINGULAR WIRELESS PCS, LLC 208 S AKARD ST, 20F DALLAS, TX 75202

Call Sign WQGA852	File Number 0009696511		
Radio Service			
AW - AWS (1710-1755 MHz and			
2110-2155 MHz)			

FCC Registration Number (FRN): 0003291192

Grant Date 11-15-2023	Effective Date 01-23-2024	Expiration Date 11-29-2036	Print Date 11-16-2023	
Market Number CMA681		el Block	Sub-Market Designator	
	Market Virginia			
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: NEW CINGULAR WIRELESS PCS, LLC

700 MHz Relicensed Area Information:

Market Name Buildout Deadline Buildout Notification Status





Universal Licensing System

FCC > WTB > ULS > Online Systems > Application Search

FCC Site Map

ULS Application

AWS (1710-1755 MHz and 2110-2155 MHz) - 0010867729 - New PHELP Cingular Wireless PCS, LLC

Q New Search Q Refine Search Printable Page Reference Copy

> TRANS LOG **ADMIN** MAIN

File Number 0010867729 Radio Service AW - AWS (1710-1755 MHz and

2110-2155 MHz)

Nο

G - Granted Call Sign WQGA852 Application

Status

General Information

Application AU - Administrative Update

Purpose

Existing Radio

Service

Authorization Regular **Emergency STA**

Type

Receipt Date 01/22/2024 Action Date 01/23/2024

Entered Date 01/22/2024 Requested

Expiration Date

Waiver Nο Number of Rules Grandfathered Attachments

Privileges

Application Fee Nο

Exempt

Regulatory Fee Exempt

Major Request

Market Data

Market CMA681 - Virginia 1 - Lee Channel Block Α

Submarket 0 Associated 001710.00000000-Designator Frequencies 001720.00000000 (MHz) 002110.00000000-002120.00000000

Applicant Information

FRN 0003291192 Type Limited Liability Company

(View Ownership Filing)

Name New Cingular Wireless PCS, LLC P:(855)699-7073 E:FCCMW@att.com

208 S Akard St, 20F Dallas, TX 75202

ATTN National Regulatory

Compliance

Real Party in Interest

FRN of Real Party in Interest

Contact Information

Name AT&T Services, Inc.

> Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC

P:(855)699-7073 E:FCCMW@att.com

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EXHIBIT B

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



(HEREINAFTER REFERRED TO AS "OWNER"

PROJECT SUMMARY

100 OLD CHENOA RD

PINEVILLE, KY 40977

BILL H. & AMY B. PARTIN

BOCA RATON, FL 33487

750 PARK OF COMMERCE DR., SUITE 200

17102 HIGHWAY 190 PINEVILLE, KY 40977

BILL PARTIN

606.670.8744

VB BTS III, LLC

DAVE SMITH

615.636.9495

DAVISBURG

US-KY-5421

BELL COUNTY

BELL

VERTICAL BRIDGE SITE NUMBER: US-KY-5421 VERTICAL BRIDGE SITE NAME: DAVISBURG FA NUMBER: 16587299 PROJECT NUMBER: 2457AA1PD9



(HEREINAFTER REFERRED TO AS "NEW LESSEE")

SHEET INDEX

OVERALL SITE LAYOUT PLAN

500' RADIUS AND ABUTTERS MAP

SITE LAYOUT PLAN & TOWER ELEVATION

TITLE SHEET

LAND SURVEY

SITE DETAILS

GENERAL NOTES

Z-001

Z-002 THRU Z-003

LS-001 THRU LS-006

Z-101

Z-102

Z-201 THRU Z-203

AB-101



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		REVISIONS				
	4	08/08/25	CAD	VB ENTITY CHANGE		
	3	06/27/25	CAD	UPDATED SURVEY		
	2	06/26/25	CAD	UPDATED EASEMENT		
	1	05/19/25	CAD	ZONING COMMENTS		
l	0	04/25/25	CAD	ZONING ISSUE		
	#	DATE	BY	DESCRIPTION		





FA NUMBER

16587299

verticalbridge

SITE NAME

DAVISBURG

SITE NUMBER

US-KY-5421

SITE ADDRESS

100 OLD CHENOA RD PINEVILLE, KY 40977

RAWLAND

SHEET TITLE

TITLE SHEET

SHEET NUMBER

REVISION Z-001 4

VICINITY MAP

IWM NUMBER: WSTNK0036601

SITE LOCATION Red Oak Laurel Fork ambdin Cemetery 🚹 KENTUCKY TENNESSEE Reliance NOT TO SCALE

SCOPE OF WORK

NEW BUILD - RAWLAND

INSTALLATION OF A 255'-0" SELF SUPPORT TOWER W/ GROUNDING, UTILITIES, FENCED COMPOUND, AND OTHER SUPPORT STRUCTURES

INSTALLATION OF ANTENNAS AND ANCILLARY EQUIPMENT FOR WIRELESS COMMUNICATIONS

NOTES

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME

APPLICABLE CODES

ALL WORK SHALL BE PERFORMED AND MATERIALS 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 CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE

2018 KBC (BASED ON THE 2015 IBC) BUILDING RESIDENTIAL 2018 KRC (BASED ON THE 2015 IRC) MECHANICAL 2015 IMC 2015 IFC **ENERGY CONSERVATION** 2012 IECC (COMMERCIAL ONLY)

ENERGY CONSERVATION 2009 IECC (RESIDENTIAL ONLY) FUEL GAS 2012 NFPA 54 / NFGC **ELECTRICAL** 2017 NFPA 70 / NEC EXISTING BUILDING 2015 IFBC ACCESSIBLE BUILDINGS 2009 ICC/ANSI A117 1

DIRECTIONS PREPARED BY COREY DAY - 423.208.6703

AFTER 0.2 MI.

(800) 752-6007 CALL 3 WORKING DAYS

DIRECTIONS TO SITE

FROM BELL COUNTY COURTHOUSE

HEAD SOUTHWEST ON WALNUT ST TOWARD COURTHOUSE SQ. TURN LEFT

ONTO KENTUCKY AVE. TURN RIGHT ONTO PINE ST. TURN LEFT ONTO PARK

ONTO STATE HWY 1491, KEEP LEFT TO CONTINUE ON HWY 1491/SNAKE RD.

RD CONTINUE ONTO PRIVATE 17 RD/PV-1206 SITE WILL BE ON THE RIGHT

CONTINUE STRAIGHT ONTO STATE HWY 190. TURN LEFT ONTO OLD SHENOA

US-25E S/S 12TH ST. TURN RIGHT ONTO STATE HWY 190. SLIGHT RIGHT

AVE. TURN RIGHT ONTO PARK AVE/ROBERT L MADON BYP. CONTINUE ONTO

CALL KENTUCKY ONE CALL **BEFORE YOU DIG!**

BELL COUNTY SHERIFF DEPARTMENT

PHONE:

FIRE DEPARTMENT FRAKES FIRE DEPARTMENT

PHONE:

606.337.6177

NEW CINGULAR WIRELESS PCS, LLC, A DELAWARE LIMITED LIABILITY COMPANY

1025 LENOX PARK BLVD NE, 3RD FLOOR ADDRESS: ATLANTA, GA 30319

("AT&T MOBILITY")

LESSEE SITE NAME: DAVISBURG FA NUMBER: 16587299

1A SITE COORDINATES:

SITE NAME:

SITE NUMBER:

SITE ADDRESS:

(E911 VERIFIED)

JURISDICTION:

PROPERTY OWNER:

STRUCTURE OWNER

COUNTY:

ZONING

ADDRESS:

CONTACT:

ADDRESS

CONTACT:

PHONE:

LESSEE

PHONE:

LATITUDE: 36° 39' 57.81" N (NAD83); (36.666058°) 83° 51' 30.74" W (NAD83); (-83.858540°) LONGITUDE:

1,604.2' AMSL (NAVD88) ELEVATION:

OCCUPANCY: UNMANNED SITE TYPE: RAWI AND

CUMBERLAND VALLEY ELECTRIC (CVE) POWER COMPANY:

CONTACT MARK ARNER PHONE: 606.521.5955

FIBER: TBD CONTACT: TBD PHONE: TBD

POLICE DEPARTMENT

606.337.3102

ABBREVIATIONS					
AGL	ABOVE GROUND LEVEL	AMSL	ABOVE MEAN SEA LEVEL		
CL	CENTERLINE	CONC	CONCRETE		
DIA	DIAMETER	DIM	DIMENSION		
EA	EACH	ELEV	ELEVATION		
EQ	EQUAL	(E)	EXISTING		
FTG	FOOTING	FDN	FOUNDATION		
HSS	HOLLOW STRUCTURE SHAPE	LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL	MAX	MAXIMUM		
(N)	NEW	NTS	NOT TO SCALE		
MIN	MINIMUM	ОС	ON CENTER		
PL	PLATE	(P)	PROPOSED		
RGS	RGS RIGID GALVANIZED STEEL		TO BE REMOVED		
TOS	TOP OF STEEL	TYP.	TYPICAL		
UNO	UNLESS NOTED OTHERWISE	W/	WITH		

SYMBOLS OF EXISTING	DESCRIPTION	SYMBOLS OF PROPOSED	
FEATURES		FEATURES 712.9	
X 100.5	SPOT ELEVATION		
95	- CONTOUR LINE	98	
SD	STORM DRAIN	SD	
==	CATCH BASIN		
ROW	RIGHT OF WAY		
\odot	IRON PIN	•	
•	BENCHMARK		
	CONCRETE MONUMENT		
	CENTERLINE		
ОНТ	OVERHEAD TELPHONE	—— ОНТ	
UGT	UNDERGROUND TELEPHONE	UGT	
OHP	OVERHEAD POWER	—— ОНР —	
UGP	UNDERGROUND POWER	——— UGP ———	
UGF	UNDERGROUND FIBER	UGF	
-xxx	FENCE LINE	xxx	
SF SF	SILT FENCE		
LOD	LIMITS OF DISURBANCE		
Ø	UTILITY POLE		
•	LIGHT POLE		
W	WATER LINE		
\bowtie	WATER VALVE		
UGG	NATURAL GAS LINE		
G X	GAS VALVE		
ST	SANITARY SEWER		
(M)	MANHOLE		



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1	05/19/25	CAD	ZONING COMMENTS	
0	04/25/25	CAD	ZONING ISSUE	
#	DATE	BY	DESCRIPTION	





SITE NAME

DAVISBURG

FA NUMBER

16587299



SITE NAME

DAVISBURG

SITE NUMBER

US-KY-5421

SITE ADDRESS

100 OLD CHENOA RD PINEVILLE, KY 40977

SITE TYPE

RAWLAND

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

REVISION

Z-002

4

GENERAL NOTES

THE MUST PROVIDE CLOSE-OUT DOCUMENTS AT THE FINAL INSPECTION WALK BEFORE PAYMENTS WILL

DEFINITIONS AND ABBREVIATIONS

- THE FOLLOWING DEFINITIONS SHALL APPLY
- A. AHJ AUTHORITY HAVING JURISDICTION
- B. CONTRACTOR GENERAL CONTRACTOR (CONSTRUCTION)
- C. ENGINEER GEN7 ENGINEERING, LLC.
- D LESSEE AT&T
- E. OWNER VB BTS III, LLC.
- F. OWNER REPRESENTATIVE CONSTRUCTION MANAGEMENT
- 2. THE INSTALLATION SHALL COMPLY W/ APPLICABLE LAWS AND ORDINANCES, UTILITY COMPANY REGULATIONS, AND APPLICABLE REQUIREMENTS OF THE FOLLOWING:
 - A. ACI AMERICAN CONCRETE INSTITUTE
 - B. AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION

 - C. IBC INTERNATIONAL BUILDING CODE
 D. IECC INTERNATIONAL ENERGY CONSERVATION CODE
 - E. IFGC INTERNATIONAL FUEL GAS CODE
 - F. NEC NATIONAL ELECTRIC CODE
 - G. NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
 - H. NFPA NATIONAL FIRE PROTECTION ASSOCIATION
 - I. NFC NATIONAL FIRE CODE

- 1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY W/ ALL LAWS. ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY. SPECIFICATIONS AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE W/ ALL APPLICABLE CODES, REGULATIONS AND
- 2. THE ARCHITECTIENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS, THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE W/ THE INTENT OF THESE DOCUMENTS
- 3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) OWNER'S REPRESENTATIVE OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE
- SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK.

 4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS
- 5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK AND FAMILIARIZE HIMSELF W/ THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE W/ THE CONTRACT.
- 6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED W/ CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT.
- 7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS OTHERWISE NOTED OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE
- 8. THE CONTRACTOR SHALL MAINTAIN A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE, UPDATED W/ THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE LISE BY ALL PERSONNEL INVOLVED W/ THE PROJECT
- 9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL **GOVERNMENT AUTHORITY**
- 11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC., DURING SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- 12. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS/RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY.
- 13. THE CONTRACTOR SHALL COMPLY W/ ALL PERTINENT SECTIONS OF THE APPLICABLE BUILDING CODES AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- 14. THE CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL THAT CONFLICT IS RESOLVED BY OWNER'S REPRESENTATIVE
- 15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS.
- 16. THE CONTRACTOR SHALL NOTIFY THE RF ENGINEER FOR ANTENNA AZIMUTH VERIFICATION (DURING ANTENNA INSTALLATION) PRIOR TO COORDINATING SITE SWEEPING.

 17. THE CONTRACTOR SHALL SUBMIT, AT THE END OF THE PROJECT, A COMPLETE SET OF AS-BUILT
- DRAWINGS TO OWNER'S PROJECT MANAGER

SITE WORK AND DRAINAGE:

EARTHWORK, EXCAVATION AND GRADING

PART 1 GENERAL

- 1.01 WORK INCLUDED: REFER TO SURVEY AND SITE PLAN FOR WORK INCLUDED.
- 1.02 RELATED WORK
- 1. CONSTRUCTION OF EQUIPMENT FOUNDATIONS
- 2. INSTALLATION OF ANTENNA SYSTEM
- 3. SITE PREPARATION

1.03 DESCRIPTIONS

1. ACCESS ROAD, TURNAROUND AREAS AND SITES ARE CONSTRUCTED TO PROVIDE A WELL DRAINED. EASILY MAINTAINED, EVEN SURFACE FOR MATERIAL AND EQUIPMENT DELIVERIES AND MAINTENANCE PERSONNEL ACCESS

1.04 QUALITY ASSURANCE

- 1. APPLY SOIL STERILIZER IN ACCORDANCE W/ MANUFACTURER'S RECOMMENDATION (USE AS
- 2. VEGETATION LANDSCAPING, IF INCLUDED WITHIN THE CONTRACT WILL BE PLACED AND MAINTAINED. AS RECOMMENDED BY NURSERY INDUSTRY STANDARDS

1.05 SEQUENCING

- 1. CONTRACTOR IS RESPONSIBLE FOR LAYOUT AND CONSTRUCTION STAKING.
- 2. GRUB THE COMPLETE ROAD AND SITE AREA PRIOR TO FOUNDATION CONSTRUCTION OR PLACEMENT OF BACK FILL OR SUB-BASE MATERIAL
- 3. CONSTRUCT TEMPORARY CONSTRUCTION ZONE ALONG ACCESS DRIVE.
- 4. THE SITE AREA WILL BE BROUGHT TO SUB-BASE COURSE ELEVATION AND THE ACCESS ROAD TO BASE COURSE ELEVATION PRIOR TO FORMING FOUNDATIONS
- 5. APPLY SILT STERILIZER PRIOR TO PLACING BASE MATERIALS.
- 6. IF REQUIRED, GRADE, SEED, FERTILIZE AND MULCH DISTURBED AREAS IMMEDIATELY AFTER BRINGING THE SITE AND ACCESS ROAD TO BASE ELEVATION. WATER TO ENSURE GROWTH.
- 7. REMOVE EXCESS GRAVEL FROM TEMPORARY CONSTRUCTION ZONE. 8. AFTER APPLICATIONS OF FINAL SURFACES, APPLY SOIL STERILIZER TO THE STONE SURFACES. 1.06 SUBMITTALS

1. BEFORE CONSTRUCTION

- H. IF LANDSCAPING IS APPLICABLE TO THE CONTRACT, SUBMIT TWO COPIES OF THE LANDSCAPING PLAN UNDER NURSERY LETTERHEAD. IF A LANDSCAPE ALLOWANCE IS INCLUDED IN THE CONTRACT, PROVIDE AN ITEMIZED LISTING OF PROPOSED COSTS UNDER NURSERY LETTERHEAD 3.04 FIELD QUALITY CONTROL (REFER TO SITE PLAN FOR LANDSCAPING REQUIREMENT).
- SUBMIT FOR APPROVAL, 1/2 CUBIC FOOT OF THE PROPOSED SURFACE COURSE MATERIAL
- J. LANDSCAPING WARRANTY STATEMENT, IF REQUIRED.

PART 2 PRODUCTS

- 1. ROAD AND SITE MATERIALS: FILL MATERIAL SHALL BE ACCEPTABLE, SELECT FILL AND SHALL BE IN ACCORDANCE W/ LOCAL DEPARTMENT OF HIGHWAY AND PUBLIC TRANSPORTATION STANDARD **SPECIFICATIONS**
- 2. SOIL STERILIZER SHALL BE EPA REGISTERED OF LIQUID COMPOSITION AND OF PRE-EMERGENCE DESIGN
- 3. SOIL STABILIZER FABRIC SHALL BE MIRAFI OR EQUAL 500% AT ACCESS ROAD AND SOAK AT COMPOUND
- 4. GRAVEL FILL: WELL GRADED, HARD, DURABLE, NATURAL SAND AND GRAVEL, FREE FROM ICE AND SNOW, ROOTS, SOD RUBBISH, AND OTHER DELETERIOUS OR ORGANIC MATTER. MATERIAL SHALL CONFORM TO THE FOLLOWING GRADATION REQUIREMENTS:

U.S. SIEVE NO.	PASSING BY WEIGHT
4"	100
1/2"	50-85
#4	40-75
#10	30-60
#40	10-30
#100	5-20
#200	0-5

GRAVEL FILL TO BE PLACED IN LIFTS OF 9" MAXIMUM THICKNESS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.

- 1. COMPACTION SHALL BE ACCOMPLISHED BY MECHANICAL MEANS. LARGER AREAS SHALL BE COMPACTED BY SHEEP'S FOOT, VIBRATORY OR RUBBER TIED ROLLERS WEIGHING AT LEAST 5 TONS, SMALLER AREAS SHALL BE COMPACTED BY POWER-DRIVER, HAND-HELD TAMPER.
- 2. PRIOR TO OTHER EXCAVATION AND CONSTRUCTION EFFORTS, GRUB ORGANIC MATERIAL TO A MINIMUM OF 6" BELOW ORIGINAL GROUND LEVEL
- 3. UNLESS OTHERWISE INSTRUCTED BY OWNER, REMOVE TREES, BRUSH AND DEBRIS FROM THE PROPERTY TO AN AUTHORIZED DISPOSAL LOCATION
- 4. PRIOR TO PLACEMENT OF FILL OR BASE MATERIALS, ROLL THE SOIL
- 5. WHERE UNSTABLE CONDITIONS ARE ENCOUNTERED, LINE THE RUBBED AREAS W/ STABILIZER MAT PRIOR TO PLACEMENT OF FILL OR BASE MATERIAL.

PART 3 EXECUTION

- 1. THE SITE AND TURNAROUND SHALL BE AT THE SUB-BASE COURSE ELEVATION PRIOR TO FORMING FOUNDATIONS, GRADE OR FILL THE SITE AND ACCESS ROAD AS REQUIRED TO PRODUCE EVEN DISTRIBUTION OF SPOILS RESULTING FROM FOUNDATION EXCAVATIONS. THE RESULTING GRADE SHALL CORRESPOND W/ SAID SUB-BASE COURSE. ELEVATIONS ARE TO BE CALCULATED FROM FINISHED GRADES OR SLOPES INDICATED.
- 2. CLEAR EXCESS SPOILS, IF ANY, FROM JOB SITE AND DO NOT SPREAD BEYOND THE LIMITS OF OWNER'S LEASE PROPERTY UNLESS AUTHORIZED BY PROJECT MANAGER.
- 3. THE ACCESS ROAD SHALL BE BROUGHT TO BASE COURSE ELEVATION PRIOR TO FOUNDATION CONSTRUCTION
- 4. DO NOT CREATE DEPRESSIONS WHERE WATER MAY POND.
- 5. THE CONTRACT INCLUDES ALL NECESSARY GRADING, BANKING, DITCHING AND COMPLETE SURFACE COURSE FOR ACCESS ROAD. ALL ROADS OR ROUTES UTILIZED FOR ACCESS TO PUBLIC THOROUGHFARE ARE INCLUDED SCOPE OF WORK UNLESS OTHERWISE INDICATED.

- 6. WHEN IMPROVING AN EXISTING ACCESS ROAD, GRADE THE EXISTING ROAD TO REMOVE ANY ORGANIC MATTER AND THEN SMOOTH SURFACE BEFORE PLACING FILL OR STONE
- 7. PLACE FILL OR STONE IN 3" MAXIMUM LIFTS AND COMPACT BEFORE PLACING NEXT LIFT.
- 8. THE FINISH GRADE, INCLUDING TOP SURFACE COURSE SHALL EXTEND A MINIMUM OF 12" BEYOND THE SITE FENCE AND SHALL COVER THE AREA AS INDICATED.
- 9. RIPRAP SHALL BE APPLIED TO THE SIDE SLOPES OF ALL FENCED AREAS, PARKING AREAS AND TO ALL OTHER SLOPES GREATER THAN 2:1.
- 10.RIPRAP SHALL BE APPLIED TO THE SIDES OF DITCHES OR DRAINAGE SWALES AS INDICATED ON PLANS
- 11. RIPRAP ENTIRE DITCH FOR 6'-0" IN ALL DIRECTIONS AT CULVERT OPENINGS
- 12. SEED, FERTILIZER AND STRAW COVER SHALL BE APPLIED TO ALL OTHER DISTURBED AREAS AND DITCHES, DRAINAGE SWALES, NOT OTHERWISE RIPRAPPED.
- 13.UNDER NO CIRCUMSTANCES SHALL DITCHES, SWALES OR CULVERTS BE PLACED SO THEY DIRECT WATER TOWARDS OR PERMIT STANDING WATER IMMEDIATELY ADJACENT TO SITE. IF OWNER DESIGNS OR IF DESIGN ELEVATIONS CONFLICT W/ THIS GUIDANCE, ADVISE THE OWNER IMMEDIATELY.
- 14.IF A DITCH LIES W/ SLOPES GREATER THAN TEN PERCENT, MOUNT DIVERSIONARY HEADWALLS IN THE DITCH FOR 6'-0" ABOVE THE CULVERT ENTRANCE
- 15. SEED AND FERTILIZER SHALL BE APPLIED TO SURFACE CONDITIONS WHICH WILL ENCOURAGE ROOTING. RAKE AREAS TO BE SEEDED TO EVEN THE SURFACE AND TO LOOSEN THE SOIL.
- 16. SOW SEEDS IN TWO DIRECTIONS IN TWICE THE QUANTITY RECOMMENDED BY THE SEED
- 17.IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE GROWTH OF SEEDED AND LANDSCAPED AREAS BY WATERING TO THE POINT OF RELEASE FROM THE CONTRACT. CONTINUE TO REWORK BARE AREAS UNTIL COMPLETE COVERAGE IS OBTAINED.
- COMPACTION SHALL BE 90% STANDARD PROCTOR DENSITY IN ACCORDANCE W/ ASTM D-1557 FOR SITE WORK AND 95% STANDARD PROCTOR DENSITY UNDER SLAB AREAS. AREAS OF SETTLEMENT WILL BE EXCAVATED AND REFILLED AT CONTRACTOR'S EXPENSE

- 1. PROTECT SEEDED AREAS FROM EROSION BY SPREADING STRAW TO A UNIFORM LOOSE DEPTH OF 1"-2". STAKE AND TIE DOWN AS REQUIRED. USE OF EROSION CONTROL MESH OR MULCH NET SHALL BE AN ACCEPTABLE ALTERNATIVE
- 2 ALL TREES PLACED IN CONJUNCTION W/ A LANDSCAPE CONTRACT SHALL BE WRAPPED/TIED W/ HOSE PROTECTED WIRE AND SECURED TO STAKES EXTENDING 2'-0" INTO THE GROUND ON
- 3. ALL EXPOSED AREAS SHALL BE PROTECTED AGAINST WASHOUTS AND SOIL EROSION. STRAW BALES SHALL BE PLACED AT THE INLET APPROACH TO ALL NEW OR EXISTING CULVERTS

EROSION AND SEDIMENT CONTROL NOTES:

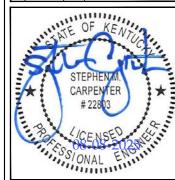
- 1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE APPLICABLE EROSION & SEDIMENT CONTROL MEASURES AND ALL APPLICABLE LOCAL CODES.
- 2. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP OF CLEARING. ADD MEASURES AS NECESSARY AS DISTURBANCES INCREASE AS PART OF THE PHASED CONSTRUCTION.
- 3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, ALONG W/ THE APPROVED NOTICE OF INTENT AND STORMWATER POLLUTION PREVENTION PLAN SHALL BE MAINTAINED ON
- 4. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY
- 5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN
- 6. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES FINAL STABILIZATION IS ACHIEVED.
- 7. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING
- 8. CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE EXPOSURE TIME OF CLEARED SURFACE AREA. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO EARTH MOVING OPERATIONS. ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY, AND AT MAXIMUM 14 CALENDAR DAYS IN DRY PERIODS AND WITHIN 24 HOURS AFTER ANY RAINFALL EXCEEDING 0.5 INCH WITHIN A 24 HOUR PERIOD.
- 9. THE CONTRACTOR SHALL DESIGNATE IN WRITING THE NAME AND PHONE NUMBER OF THE INDIVIDUAL RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS.
- 10.PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE REMOVED MORE THAN 20 CALENDAR DAYS PRIOR TO GRADING. ALL GRADED AREAS EXPECTED TO REMAIN UNFINISHED FOR MORE THAN 30 CALENDAR DAYS SHALL BE COVERED W/ TEMPORARY GRASS, SOD, STRAW, MULCH OR FABRIC MATS. PERMANENT SOIL STABILIZATION SHALL BE INSTALLED WITHIN 15 CALENDAR
- 11. THE CONTRACTOR SHALL MAINTAIN RECORDS OF EROSION CONTROL INSPECTIONS AND REPAIRS FOR A MINIMUM OF 3 YEARS AFTER CONSTRUCTION COMPLETION.
- 12.MULCHING SHALL CONSIST OF LOOSE HAY OR STRAW APPLIED AT THE RATE OF 2 TONS/ACRE.
- 13. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM TRAPS, SILT FENCES, SEDIMENT PONDS, ETC. AS NECESSARY AND WHEN CAPACITY HAS BEEN REDUCED BY 50%.
- 14. STOCKPILES SHALL BE STABILIZED AND PROTECTED FROM EROSION



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	CAD
CHECKED BY	CTD

L					
	REVISIONS				
	4	08/08/25	CAD	VB ENTITY CHANGE	
	3	06/27/25	CAD	UPDATED SURVEY	
	2	06/26/25	CAD	UPDATED EASEMENT	
	1	05/19/25	CAD	ZONING COMMENTS	
	0	04/25/25	CAD	ZONING ISSUE	
	#	DATE	BY	DESCRIPTION	





DAVISBURG

FA NUMBER 16587299



SITE NAME

SITE NUMBER

SITE NAME

DAVISBURG

US-KY-5421

SITE ADDRESS

100 OLD CHENOA RD PINEVILLE, KY 40977

RAWLAND

SITE TYPE

SHEET TITLE

GENERAL NOTES

SHEET NUMBER Z-003

REVISION

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.
- Instruments Used: One or more of: Topcon Total Station, Topcon Hiperlite Plus GPS, Carlson Surveyor Data Collector, DJI UAV.
- Where shown, improvements (utilities, buildings, trees, fences, etc.) are based on field Survey and/or aerial mapping.
- 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: this survey does not relieve design and construction personnel of the responsibility to determine the locations of underground utilities prior to land disturbance activities.
- 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.
- Geographic Coordinates, if published, meet FAA Accuracy Code 1A, and are accurate to within ± 20 feet horizontally and to within ± 3 feet vertically.
- 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.
- 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

I hereby certify to: Vertical Bridge REIT, LLC, a Delaware limited liability company, its subsidiaries, and their respective successors and/or assigns; and (ii) Toronto Dominion (Texas) LLC, as Administrative Agent, for itself and on behalf of the lenders parties from time to time to that certain Second Amended and Restated Loan Agreement dated June 17, 2016 with Vertical Bridge Holdco, LLC, as borrower, and Vertical Bridge Holdco Parent, LLC, as parent, as may be amended, restated, modified or renewed, their successors and assigns as their interests may appear; and Tower Title, LLC:

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

NORTH: 36.666058° 36° 39' 57.81" Latitude: Longitude: WEST: 83.858540° 83° 51' 30.74" Ground Elev: 1,604.2 FEET AMSL (NAVD88)

Benchmark: DJ9538 TN14

PARENT TAX PARCEL

BILL H. PARTIN & AMY B. PARTIN TAX PARCEL: 015-00-00-067.00

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: 03-25-2025

Method: RTK (CORS); Confidence Level: 95%

Positional Accuracy: HZ ± 0.10'

EPOCH 2010.0000

Convergence: 1.14710000°; Combined Factor: 0.99994090

FLOOD DATA

FEMA FLOOD MAP PANEL: 21013C0215E, Effective Date: 03-16-2015 Surveyed Area appears to lie within: ZONE X (Areas of Minimal Flood Hazard)

TITLE EXAMINATION:

See Sheet #6

ADDITIONAL NOTES

The Lessee's Access & Utility Easements extend to / terminate at a Public Right-of-Way.

The Lessee's Premises lies entirely within the Parent Tax Parcel.

Except as noted hereon, no visible potential encroachments were observed at the time of the survey.

Site Address is per "E911 Confirmation Form" from Bell County EMA, provided by Client.

SURVEY ISSUE DATA

#	DETAILS	DATE	DRAWN	APP
0	Original Survey Issue	04-06-2025	NB	TLS
1	Update labels	04-18-2025	NB	TLS
2	Add Site E911 Address	05-19-2025	NB	TLS
3	Additional Lessee's Easement	06-20-2025	NB	TLS
4	Update ownership	06-26-2025	NB	TLS
5	Added Monumentation	07-22-2025	NB	TLS
6	Update 'prepared for' entity	08-07-2025	NB	TLS





verticalbridge

LAND CONSULTANTS

2820 15TH AVE SW HUNTSVILLE, AL 35805

423.304.6722

PREPARED FOR

VB BTS III, LLC

750 Park of Commerce Drive, Boca Raton, FL 33487

40977

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Pineville, I

Chenoa Road,

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001

Kentucky

County,

SURVEY MAP LEGEND

- IRON PIPE FOUND
- METAL POST FOUND
- O CAPPED IRON ROD SET
- UTILITY POLE
- **GUY ANCHOR**
- LIGHT POLE
- WATER METER
- PROPOSED EQUIPMENT LOCATION
- SITE BENCHMARK

RIGHT-OF-WAY

C/L CENTER LINE

ACCESS & UTILITY/FIBER

ESMT EASEMENT

P.O.C. POINT OF COMMENCEMENT

P.O.B. POINT OF BEGINNING

SOUARE FEET

PAVEMENT EDGE **GRAVEL EDGE** OVERHEAD UTILITY LINES 5' CONTOURS 1' CONTOURS

PUBLIC R/W TAX PARCEL BOUNDARY

LESSEE'S PREMISES LESSEE'S EASEMENTS

TIE LINE

SURVE DAVISBURG SITE

Site Number: US-KY-5421

COVER SHEET

DWG#: 25081 ISSUE #: 6 ISSUE DATE: 08-07-2025 SEE SHEET #1

SHEET

OF

PROPERTY INFORMATION

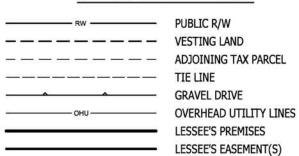
PARENT TAX PARCEL

A. BILL H. PARTIN & AMY B. PARTIN TAX PARCEL: 015-00-00-067.00 DEED BOOK 399, PAGE 663

EASEMENT TAX PARCEL

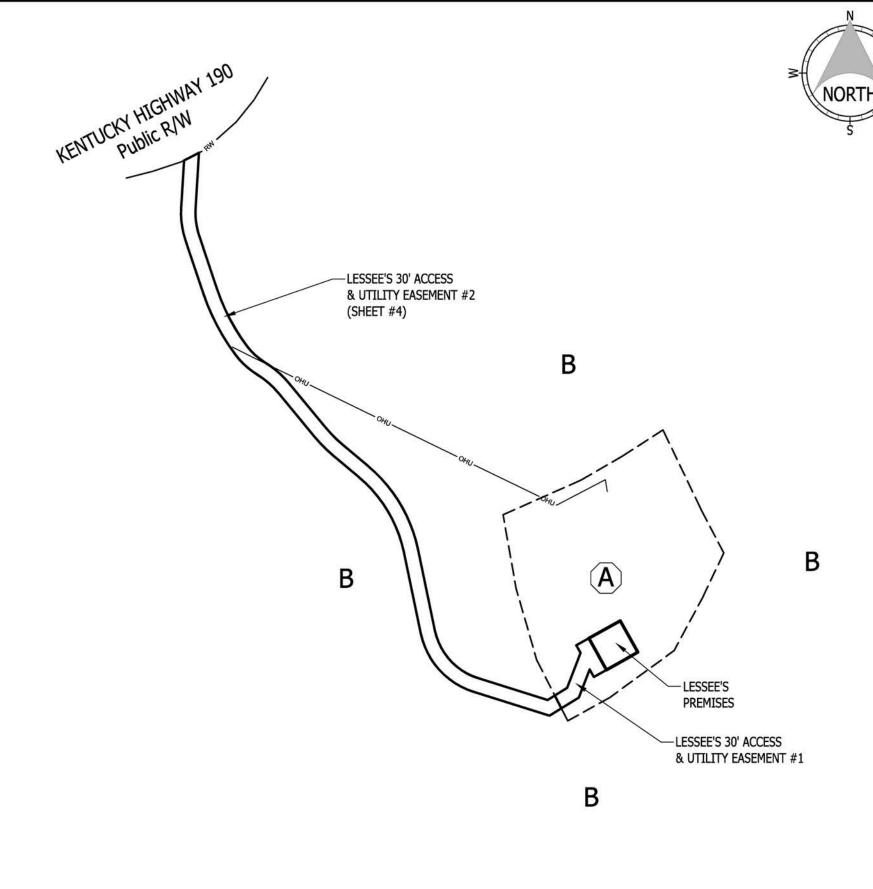
B. COMMONWEALTH OF KENTUCKY KENTUCKY DEPARTMENT OF CONSERVATION TAX PARCEL: 040-00-00-024.00 DEED BOOK 159, PAGE 550

OVERVIEW MAP LEGEND



OVERVIEW MAP CAVEAT:

OVERVIEW MAP IS NOT A SURVEY BUT A VICINITY / LOCATION MAP INTENDED ONLY TO SHOW SURVEYED PROPERTY AND CERTAIN FEATURES 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



APPROX SCALE: 1in = 200'

400'

600'

200'

LAND CONSULTANTS

2820 15TH AVE SW HUNTSVILLE, AL 35805 423-304-6722

PREPARED FOR

verticalbridge

VB BTS III, LLC

750 Park of Commerce Drive,

Boca Raton, FL 33487

40977

100 Old Chenoa Road, Pineville, KY

Bell County, Kentucky

Site Number: US-KY-5421

OVERVIEW MAP

SHEET

OF

DAVISBURG

SURVEY

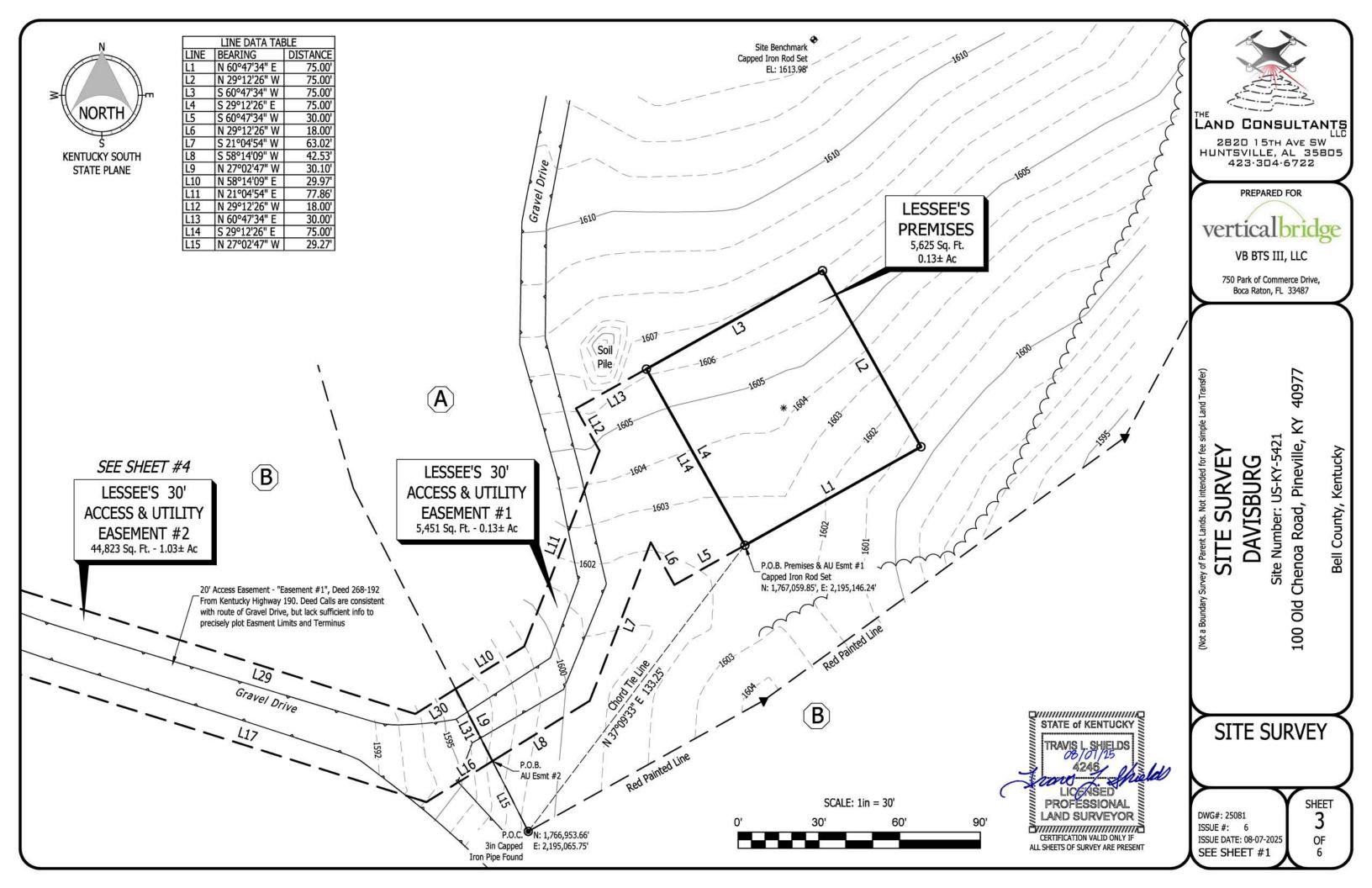
SITE

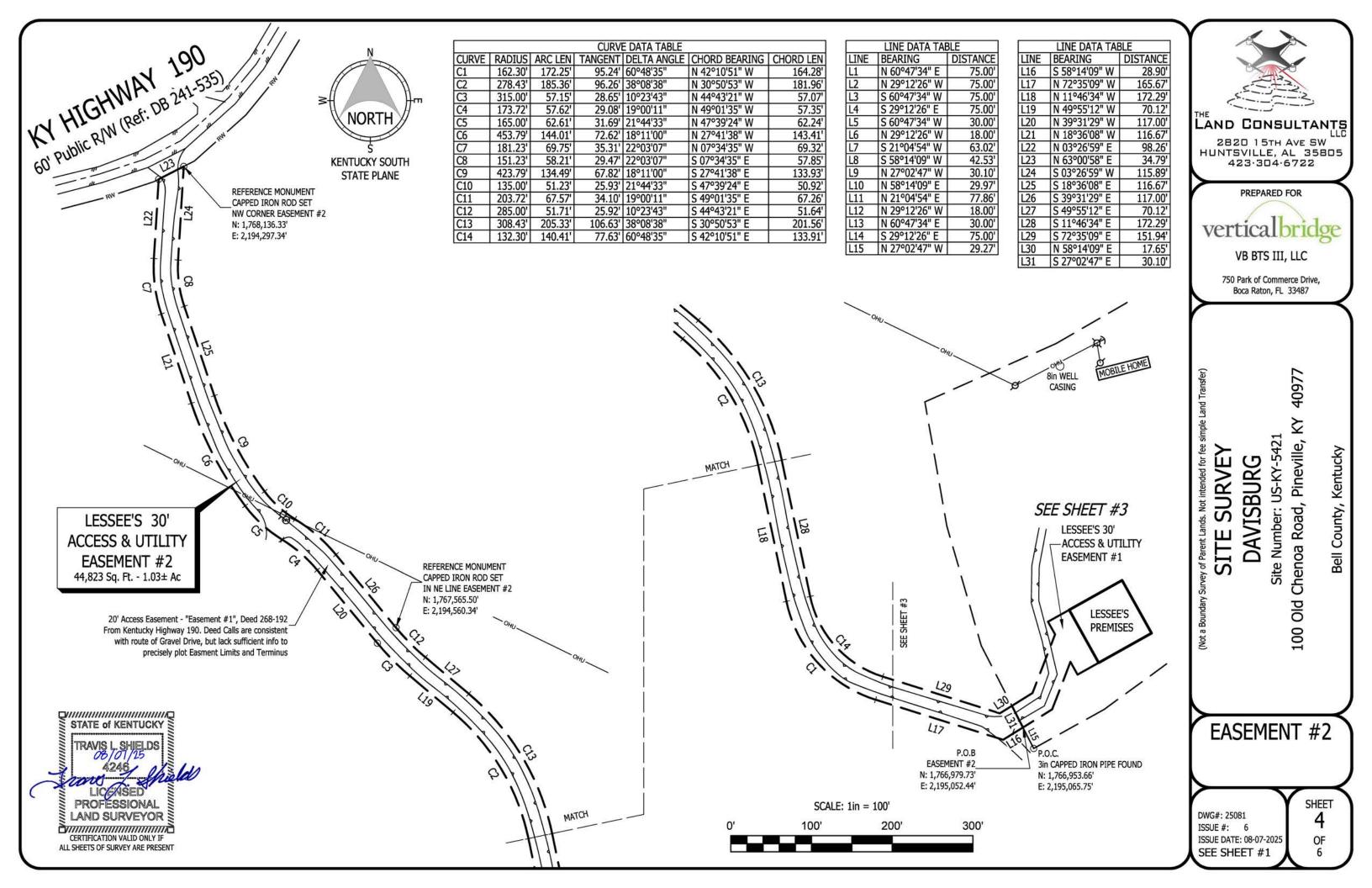
DWG#: 25081

ISSUE #: 6

ISSUE DATE: 08-07-2025

SEE SHEET #1





LESSEE'S PREMISES

All that tract or parcel of land lying and being in Bell County, Kentucky, and being a portion of the property of Bill H. Partin and Amy B. Partin, of record in Deed Book 399, Page 663, Office of the County Clerk, Bell County, Kentucky, and being more particularly described as follows:

COMMENCE at a 3-inch Capped Iron Pipe found at the Southwest Corner of aforesaid property;

Thence along a Chord Tie Line having a Bearing of N 37°09'33" E, a distance of 133.25 feet to a Capped Iron Rod Set which is the POINT OF BEGINNING:

Thence N 60°47'34" E, a distance of 75.00 feet to a Capped Iron Rod Set: Thence N 29°12'26" W, a distance of 75.00 feet to a Capped Iron Rod Set; Thence S 60°47'34" W, a distance of 75.00 feet to a Capped Iron Rod Set; Thence S 29°12'26" E, a distance of 75.00 feet to the POINT OF BEGINNING.

Said Premises contains 0.13 Acres (5,625 Square Feet), more or less.

LESSEE'S 30' ACCESS & UTILITY EASEMENT #1

LESSEE'S 30' ACCESS & UTILITY EASEMENT #1

All that tract or parcel of land lying and being in Bell County, Kentucky, and being a portion of the property of Bill H. Partin and Amy B. Partin, of record in Deed Book 399, Page 663, Office of the County Clerk, Bell County, Kentucky, and being more particularly described as follows:

COMMENCE at a 3-inch Capped Iron Pipe found at the Southwest Corner of aforesaid property;

Thence along a Chord Tie Line having a Bearing of N 37°09'33" E, a distance of 133.25 feet to a Capped Iron Rod Set which is the POINT OF BEGINNING;

Thence S 60°47'34" W, a distance of 30.00 feet;

Thence N 29°12'26" W, a distance of 18.00 feet;

Thence S 21°04'54" W, a distance of 63.02 feet;

Thence S 58°14'09" W, a distance of 42.53 feet to a point on the West Line of aforesaid property;

Thence N 27°02'47" W, along said Line, a distance of 30.10 feet;

Thence N 58°14'09" E, leaving said Line, a distance of 29.97 feet;

Thence N 21°04'54" E, a distance of 77.86 feet;

Thence N 29°12'26" W, a distance of 18.00 feet;

Thence N 60°47'34" E, a distance of 30.00 feet to a Capped Iron Rod set;

Thence S 29°12'26" E, a distance of 75.00 feet to the POINT OF BEGINNING.

Said Easement contains 0.13 Acres (5,451 Square Feet), more or less.

LESSEE'S 30' ACCESS & UTILITY EASEMENT #2

All that tract or parcel of land lying and being in Bell County, Kentucky, and being a portion of the property acquired by Commonwealth of Kentucky for the use and benefit of the Kentucky Department of Conservation, of record Deed Book 399, Page 663, Office of the County Clerk, Bell County, Kentucky, and being more particularly described as follows:

COMMENCE at a 3-inch Capped Iron Pipe found at the Southwest Corner of the property of record in Deed Book 399, Page 663, said Records;

Thence N 27°02'47" W, along the West Line of said property of record in Deed Book 399, Page 663, a distance of 29.27 feet to the POINT OF BEGINNING;

Thence S 58°14'09" W, leaving said Line, a distance of 28.90 feet;

Thence N 72°35'09" W. a distance of 165.67 feet:

Thence with a curve to the right with an arc length of 172.25 feet, with a radius of 162.30 feet, with a chord bearing of N 42°10'51" W, with a chord length of 164.28 feet;

Thence N 11°46'34" W, a distance of 172.29 feet;

Thence with a curve to the left with an arc length of 185.36 feet, with a radius of 278.43 feet, with a chord bearing of N 30°50'53" W, with a chord length of 181.96 feet;

Thence N 49°55'12" W, a distance of 70.12 feet;

Thence with a curve to the right with an arc length of 57.15 feet, with a radius of 315.00 feet, with a chord bearing of N 44°43'21" W, with a chord length of 57.07 feet to a Capped Iron Rod set:

Thence N 39°31'29" W, a distance of 117.00 feet;

Thence with a curve to the left with an arc length of 57.62 feet, with a radius of 173.72 feet, with a chord bearing of N 49°01'35" W, with a chord length of 57.35 feet:

Thence with a curve to the right with an arc length of 62.61 feet, with a radius of 165.00 feet, with a chord bearing of N 47°39'24" W, with a chord length of 62.24 feet:

Thence with a curve to the right with an arc length of 144.01 feet, with a radius of 453.79

feet, with a chord bearing of N 27°41'38" W, with a chord length of 143.41 feet;

Thence N 18°36'08" W, a distance of 116.67 feet;

Thence with a curve to the right with an arc length of 69.75 feet, with a radius of 181.23 feet, with a chord bearing of N 07°34'35" W, with a chord length of 69.32 feet:

Thence N 03°26'59" E, a distance of 98.26 feet to a Capped Iron Rod set on the Southern Right-of-Way Line of Kentucky Highway 190;

Thence N 63°00'58" E, along said Line, a distance of 34.79 feet to a Capped Iron Rod set; Thence S 03°26'59" W, leaving said Line, a distance of 115.89 feet;

Thence with a curve to the left with an arc length of 58.21 feet, with a radius of 151.23 feet, with a chord bearing of S 07°34'35" E, with a chord length of 57.85 feet;

Thence S 18°36'08" E, a distance of 116.67 feet:

Thence with a curve to the left with an arc length of 134.49 feet, with a radius of 423.79 feet, with a chord bearing of S 27°41'38" E, with a chord length of 133.93 feet;

Thence with a curve to the left with an arc length of 51.23 feet, with a radius of 135.00 feet, with a chord bearing of S 47°39'24" E, with a chord length of 50.92 feet;

Thence with a curve to the right with an arc length of 67.57 feet, with a radius of 203.72 feet, with a chord bearing of S 49°01'35" E, with a chord length of 67.26 feet:

Thence S 39°31'29" E, a distance of 117.00 feet to a Capped Iron Rod set:

Thence with a curve to the left with an arc length of 51.71 feet, with a radius of 285.00 feet, with a chord bearing of S 44°43'21" E, with a chord length of 51.64 feet;

Thence S 49°55'12" E, a distance of 70.12 feet;

Thence with a curve to the right with an arc length of 205.33 feet, with a radius of 308.43 feet, with a chord bearing of S 30°50'53" E, with a chord length of 201.56 feet;

Thence S 11°46'34" E, a distance of 172.29 feet;

Thence with a curve to the left with an arc length of 140.41 feet, with a radius of 132.30 feet, with a chord bearing of S 42°10'51" E, with a chord length of 133.91 feet;

Thence S 72°35'09" E, a distance of 151.94 feet;

Thence N 58°14'09" E, a distance of 17.65 feet to a point on aforesaid West Line of property of record in Deed Book 399, Page 663;

Thence S 27°02'47" E, along said Line, a distance of 30.10 feet to the POINT OF BEGINNING.

Said Easement contains 1.03 Acres (44,823 Square Feet), more or less.



PREPARED FOR

423.304.6722



VB BTS III, LLC

750 Park of Commerce Drive, Boca Raton, FL 33487

40977

⋩

Site Number: US-KY-5421 DAVISBURG

SURVEY

SITE

ey of Parent La

PROFESSIONAL

CERTIFICATION VALID ONLY IF ALL SHEETS OF SURVEY ARE PRESENT

LAND SURVEYOR

STATE of KENTUCKY

Kentucky

County,

Bell

Chenoa Road, Pineville, 100 Old

DESCRIPTIONS

DWG#: 25081 ISSUE #: 6 ISSUE DATE: 08-07-2025

SEE SHEET #1

SHEET OF

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 Westcor Land Title Insurance Company and Tower Title, LLC., Commitment Number: VTB-203585-C, Commitment Date: March 26, 2025, Schedule B, Part II, Exceptions.

Item 1 - 9: General Items (no record instruments listed) or Taxes, not addressed by Survey.

Item 10: Deed 268-192, 20-foot wide Access Easements granted in favor of Parent Tax Parcel across surrounding Lands. Not located on Parent Tax Parcel. "Easement #1" of said Deed is an Access Easement from KY Highway 190 to the West Line of Parent Tax Parcel, route shown on Overview Map, Sheet #2. See Deed for specific terms and conditions. This survey does not evaluate the rights of access across said easements, if any, which may apply to parties other than the owners of Parent Tax Parcel. Deed Easement #2 & 3 doe not afford access between the Highway and the SITE, and are not further addressed by this survey.

Item 11: Deed 16-161, License Agreement Amendment: Describes a Gas Line Easement, located on State Park property, does not appear to line upon or cross Parent Tax Parcel.

LEGAL DESCRIPTION OF PARENT TAX PARCEL

The following described real property in Bell County, Kentucky, and more particularly described as follows:

Beginning on a chestnut oak tree on top of a ridge at or near the line of Johnitha Partin; thence running Northwestwardly 30 poles to a chestnut oak; thence Eastwardly 30 poles to a stake; thence running Southeastwardly 30 poles to a stake; thence West to the beginning. Being the same real property deeded to Elmer Partin from Thelma Lowe and Wayland Lowe by deed dated July 25, 1972, and of record in Deed Book 212, Page 349, and recorded in the Bell County Court Clerk's Office. Said property also being described in Survey made on July 29, 1972, by Estel Parin, Surveyor under Kentucky License No. 2122, as follows:

Beginning on a chestnut oak tree on top of a ridge at or near the line of Johnitha Partin, thence N 69 W 100 feet; thence N 66 W 100 feet; thence N 60 W 178 feet to a corner; thence S 4 E 156 feet; thence S 10E 154 feet, thence S 21 E 143 feet to a corner; thence N 67 E 100 feet; thence N 60 E 166 feet to a corner, thence N 33 E 228 feet; thence D 33 W 100 feet; thence N 31 W 186 feet to the beginning. Being the same real property conveyed to Caleb Partin and wife, Alicia Partin by deed of conveyance from Neveda Partin, widow, and recorded in Deed Book 380, Page 693, and recorded in the Bell County Court Clerk's Office.

Together with that Deed of Easement from the Commonwealth of Kentucky, Natural Resources and Environmental Protection Cabinet, Division of Forestry to Billy H. Partin and Nevada Ann Partin as recorded in Deed Book 268, Page 192, and recorded in the Bell County Court Clerk's Office.

Parcel ID No.: 15-00-00-067.00

This being the same property conveyed to Bill H. Partin and Amy B. Partin, married from Caleb Partin and Alicia Partin, married in a Deed dated October 28, 2022 and recorded January 17, 2023 in Book D399 Page 663 in Bell County, Kentucky.



PREPARED FOR



VB BTS III, LLC

750 Park of Commerce Drive, Boca Raton, FL 33487

100 Old Chenoa Road, Pineville, KY 40977

SURVEY

SITE

County, Kentucky

Bell

Site Number: US-KY-5421 DAVISBURG

TITLE

DWG#: 25081 ISSUE #: 6 ISSUE DATE: 08-07-2025 SEE SHEET #1

SHEET OF

NOTES: 1. THIS DRAWING IS BASED ON A SITE SURVEY BY THE LAND CONSULTANTS, LLC., DATED 08/07/2025. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. 2. THE PROPOSED USE DOES NOT REQUIRE FULL OR PART TIME EMPLOYEES AT THE SITE. 3. FOR GENERAL SITE WORK NOTES, SEE SHEET Z-003. EXISTING EDGE OF PAVEMENT, TYP. 4. ALL NORTH ARROWS ON SITE PLANS ARE TRUE NORTH, UNLESS OTHERWISE SPECIFIED. EXISTING R.O.W. COMMONWEALTH OF KENTUCKY KENTUCKY DEPARTMENT OF CONSERVATION TAX PARCEL: 040-00-00-024.00 DEED BOOK: 159, PAGE: 550 OWNER PROPOSED EXISTING UTILITY 30' (W) ACCESS & UTILITY EASEMENT EXISTING WATER METER EXISTING OVERHEAD UTILITIES, TYP. EXISTING UTILITY — POLE GUY ANCHOR EXISTING PROPERTY EXISTING MOBILE HOME PARENT PARCEL BILL H. & AMY B. PARTIN TAX PARCEL: 015-00-00-067.00 COMMONWEALTH OF KENTUCKY KENTUCKY DEPARTMENT OF CONSERVATION DEED BOOK: 399, PAGE: 663 TAX PARCEL: 040-00-00-024.00 DEED BOOK: 159, PAGE: 550 EXISTING TREE LINE OWNER PROPOSED EXISTING GRAVEL -12'-0" x 50'-0" GRAVEL DRIVEWAY TO BE USED PARKING / FOR SITE ACCESS TURNAROUND AREA COMMONWEALTH OF KENTUCKY OWNER PROPOSED KENTUCKY DEPARTMENT OF CONSERVATION 12' (W) x 53' (L) TAX PARCEL: 040-00-00-024.00 GRAVEL DRIVEWAY 115'-6" DEED BOOK: 159, PAGE: 550 OWNER PROPOSED 75' x 75' LEASE AREA & 6' TALL, CHAIN-LINK FENCE W/ 3 STRANDS OF BARBED WIRE 150' 300' 450' OWNER PROPOSED OWNER PROPOSED 255'-0" 30' (W) ACCESS & SELF SUPPORT TOWER UTILITY EASEMENT

SCALE: 1" = 150'



THE INFORMATION CONTAINED IN
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OR DISCLOSURE OTHER THAN THAT
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STRICTLY PROHIBITED.

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CHECKED BY	CTD

	REVISIONS				
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0	04/25/25	CAD	ZONING ISSUE		
#	DATE	BY	DESCRIPTION		





SITE NAME

DAVISBURG

FA NUMBER 16587299



SITE NAME

DAVISBURG

SITE NUMBER

US-KY-5421

SITE ADDRESS

100 OLD CHENOA RD PINEVILLE, KY 40977

SITE TYPE

RAWLAND

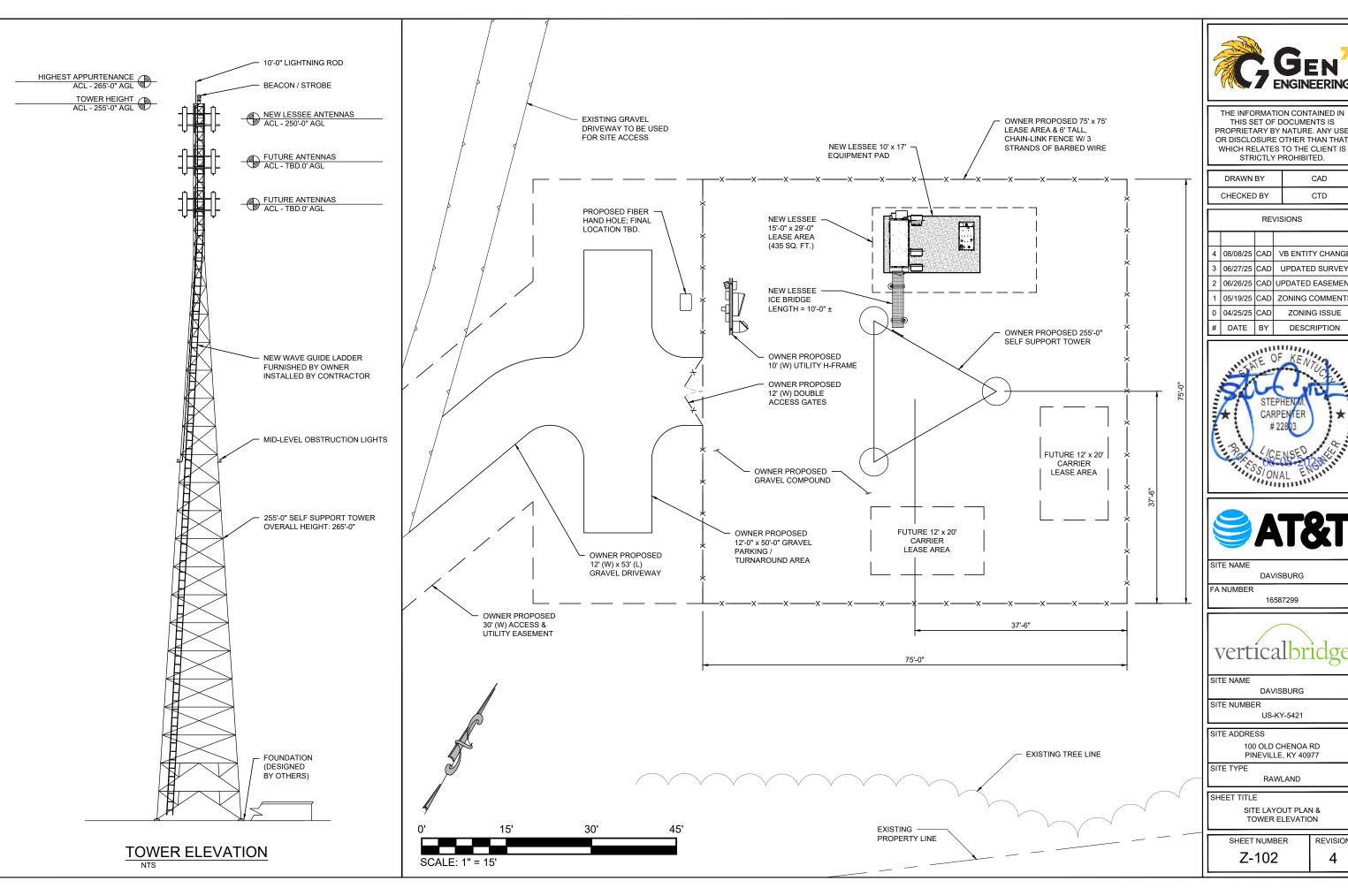
SHEET TITLE

OVERALL SITE LAYOUT PLAN

SHEET NUMBER
Z-101

REVISION

4





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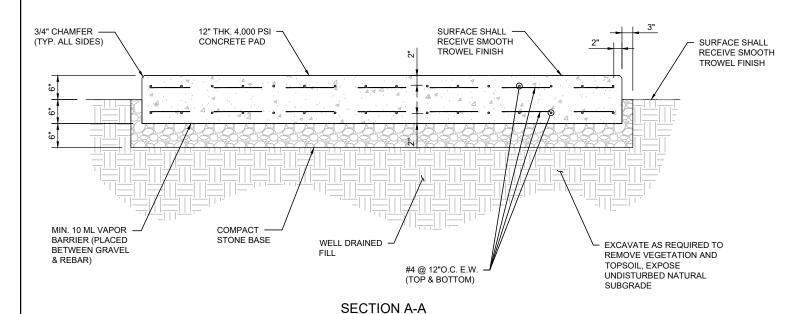
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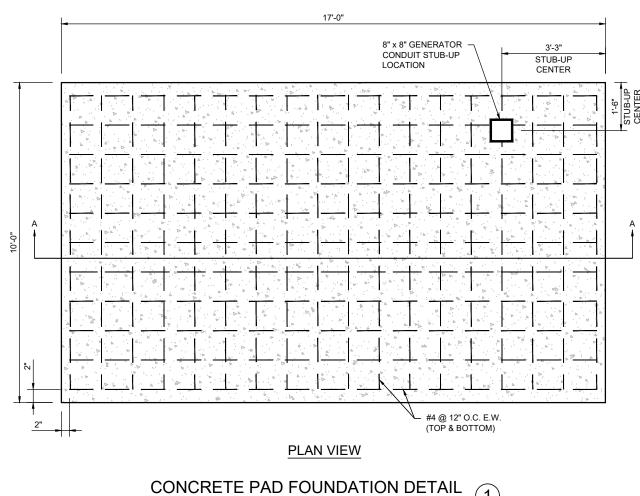




verticalbridge

REVISION





CONCRETE PAD NOTES:

- 1. REFER TO CIVIL DRAWINGS FOR ORIENTATION OF FOUNDATION.
- 2. USE A HIGH-EARLY STRENGTH CONCRETE MIX SO THE CABINET MAY BE PLACED THREE DAYS FOLLOWING CONCRETE POURING, COARSE AGGREGATE USED IN THE CONCRETE SHALL BE GRADED FROM 3/4" TO NO. 4 ONLY. THE COMPRESSION STRENGTH OF THE CONCRETE MUST BE A MINIMUM OF 4000 PSI AS DETERMINED BY ASTM C39 TEST OF COMPRESSION
- 3. CURE THE PAD FOR A MINIMUM OF THREE DAYS BEFORE CABINET INSTALLATION, OR PER SPECIFICATIONS FOR THE TYPE OF CONCRETE USED AND PER LOCAL CODES AND REQUIREMENTS.
- 4. ALL CONCRETE SHALL HAVE 28 DAY STRENGTH OF 4000 PSI MINIMUM, WITH A SLUMP OF 3"-7" AND SHALL BE AIR ENTRAINED @ 5.5 ±1.1%. 5 TEST CYLINDERS SHALL BE MADE FOR THE 3,7, & (2) 28 DAY TESTS WITH ONE SPARE
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A 185 FOR STEEL WELDED WIRE REINFORCEMENT UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNLESS NOTED OTHERWISE
- 6. CONTRACTOR TO ENSURE FOUNDATION / SLAB ARE POURED TO MEET FLATNESS LEVEL TOLERANCES AS INDICATED IN ACI 4.5.6 AND ACI 4.5.7.
- 7. SLAB TOLERANCE IS ± 1/4".
- 8. THIS FOUNDATION IS DESIGNED FOR 2,000 PSF ALLOWABLE SOIL BEARING CAPACITY.
- 9. A CHAMFER, 3/4", SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- 10. FOUNDATION BEARING MATERIAL SHALL BE TESTED & VERIFIED BY A LICENSED GEOTECHNICAL ENGINEER.
- 11. GROUND REBAR TO GROUND RING IN (2) LOCATIONS USING #2 SOLID BARE TINNED COPPER GROUND WIRE.
- 12. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHORS, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO WWR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD OR APPROVED EQUAL.
- 13. CONDUITS SHALL EXTEND APPROXIMATELY 2" ABOVE FINISHED SURFACE. SEAL CONDUITS TO PREVENT CONCRETE ENTRY DURING POUR.
- 14. CONTRACTOR SHALL VERIFY THE PLACEMENT OF CONDUITS WITH THE ACTUAL ENCLOSURE KNOCK-OUT AND OR STUB-UP LOCATIONS TO ENSURE THE PROPER ALIGNMENT OF ALL CONDUITS.



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SITE NAME

DAVISBURG

FA NUMBER

16587299



SITE NAME

DAVISBURG

SITE NUMBER

US-KY-5421

SITE ADDRESS

100 OLD CHENOA RD PINEVILLE, KY 40977

SITE TYPE

RAWLAND

SHEET TITLE

SITE DETAILS

SHEET NUMBER

REVISION

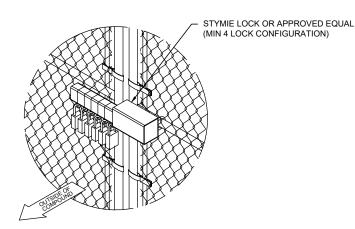
Z-201

DETAIL NOT USED 2

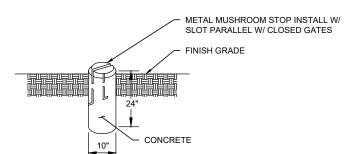
TYPICAL WOVEN WIRE FENCING NOTES:

(INSTALL FENCING PER ASTM F-567, SWING GATES PER ASTM F-900)

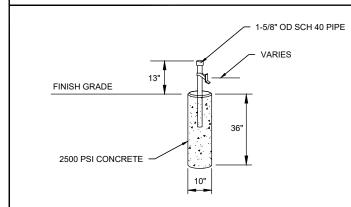
- GATE POST, CORNER, TERMINAL OR PULL POST SHALL BE 3"Ø SCHEDULE 40 FOR GATE WIDTHS UP THRU 7 FEET OR 14 FEET FOR DOUBLE SWING GATE PER
- 2. LINE POST: 2"Ø SCHEDULE 40 PIPE PER ASTM-F1083. INSTALL EVERY 8'-0" ALONG
- 3. GATE FRAME: 1-1/2"Ø SCHEDULE 40 PIPE, STELL, HOT-DIPPED ZINC COATED (GALVANIZED) WELDED STEEL PIPE PER ASTM-F1083.
- 4. TOP RAIL & BRACE RAIL: 1-5/8"Ø SCHEDULE 40 PIPE PER ASTM-F1083.
- CHAIN LINK FABRIC: 9 GA. MIN. CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
- TIE WIRE: MINIMUM 11 GA. GALVANIZED STEEL INSTALL A SINGLE WRAP TIE WIRE AT POSTS AND RAILS AT MAX. 24" INTERVALS. INSTALL HOG RINGS ON TENSION WIRE AT 24" INTERVALS.
- TENSION WIRE: 7 GA. GALVANIZED STEEL
- 8. GATE LATCH: 1-3/8" OD PLUNGER ROD W/ MUSHROOM TYPE CATCH AND LOCK (KEYED ALIKE FOR ALL SITES OR COMBINATION AS SPECIFIED BY OWNER)
- 9. HEIGHT= 6' VERTICAL DIMENSION. WORK WITH SPECIFICATION 2831.



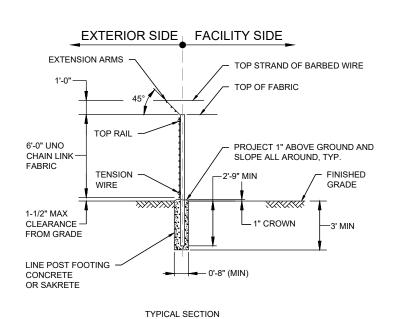
FENCE LOCK DETAIL



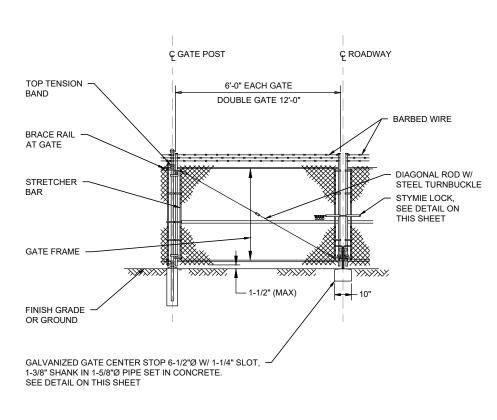
MUSHROOM STOP



GATE STOP DETAIL



Ç CORNER, GATE, END, OR PULL POST 3 STRANDS BARBED WIRE TOP BRACE RAIL DIAGONAL ROD W/ STEEL TURNBUCKLE STRETCHER BAR DIAGONAL ROD W/ STEEL TURNBUCKLE TENSION WIRE CENTER BRACE RAIL — FINISH GRADE OR GROUND *\$*\$7\$\$7 1-1/2" MAX CLEARANCE 1" CROWN FROM GRADE 3'-6" MIN - (1'-0" MIN) WOVEN WIRE CORNER, GATE, END, OR PULL POST (2)



WOVEN WIRE DOUBLE GATE (3)



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SITE NAME

DAVISBURG

FA NUMBER 16587299



SITE NAME

DAVISBURG

SITE NUMBER

US-KY-5421

SITE ADDRESS

100 OLD CHENOA RD PINEVILLE, KY 40977

SITE TYPE

RAWLAND

SHEET TITLE

SITE DETAILS

SHEET NUMBER

REVISION

Z-202







10" x 14" NO TRESPASSING SIGN (1)

M NOTICE M GUIDELINES FOR WORKING IN RADIOFREQUENCY ENVIRONMENTS All personnel should have electromagnetic energy (EME) Obey all posted signs. Assume all antennas are active. Maintain minimum 3 feet clearance from all antennas Do not stop in front of antennas. Use personal RF monitors while working near antenna Never operate transmitters without shields during normal operations

> 8" x 12" RF GUIDELINES SIGN (4)

NOTICE Radio frequency fields beyond this point may exceed the FCC eneral public exposure limit. bey all posted signs and site gui

RF GUIDELINES SIGN (2)



18" x 24"

SITE ID SIGN (5)

GUYED TOWER

-LETTERS TO BE 3" MIN

 $\frac{ASR \# SIGN}{NTS}$ 6



RF GUIDELINES SIGN (3)

ASR # XXXXXXX

-WHEN REQUIRED, PLACE ON TOWER

SIGN ON SELF-SUPPORT TOWER OR

-USE A DECAL ON MONOPOLE AND METAL



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FOR REFERENCE **ONLY**



DAVISBURG

FA NUMBER

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SITE NAME

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100 OLD CHENOA RD PINEVILLE, KY 40977

RAWLAND

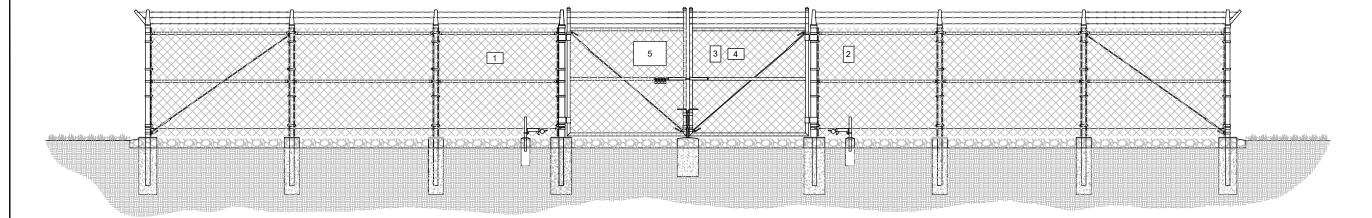
SHEET TITLE

SITE DETAILS

SHEET NUMBER

Z-203

REVISION 4



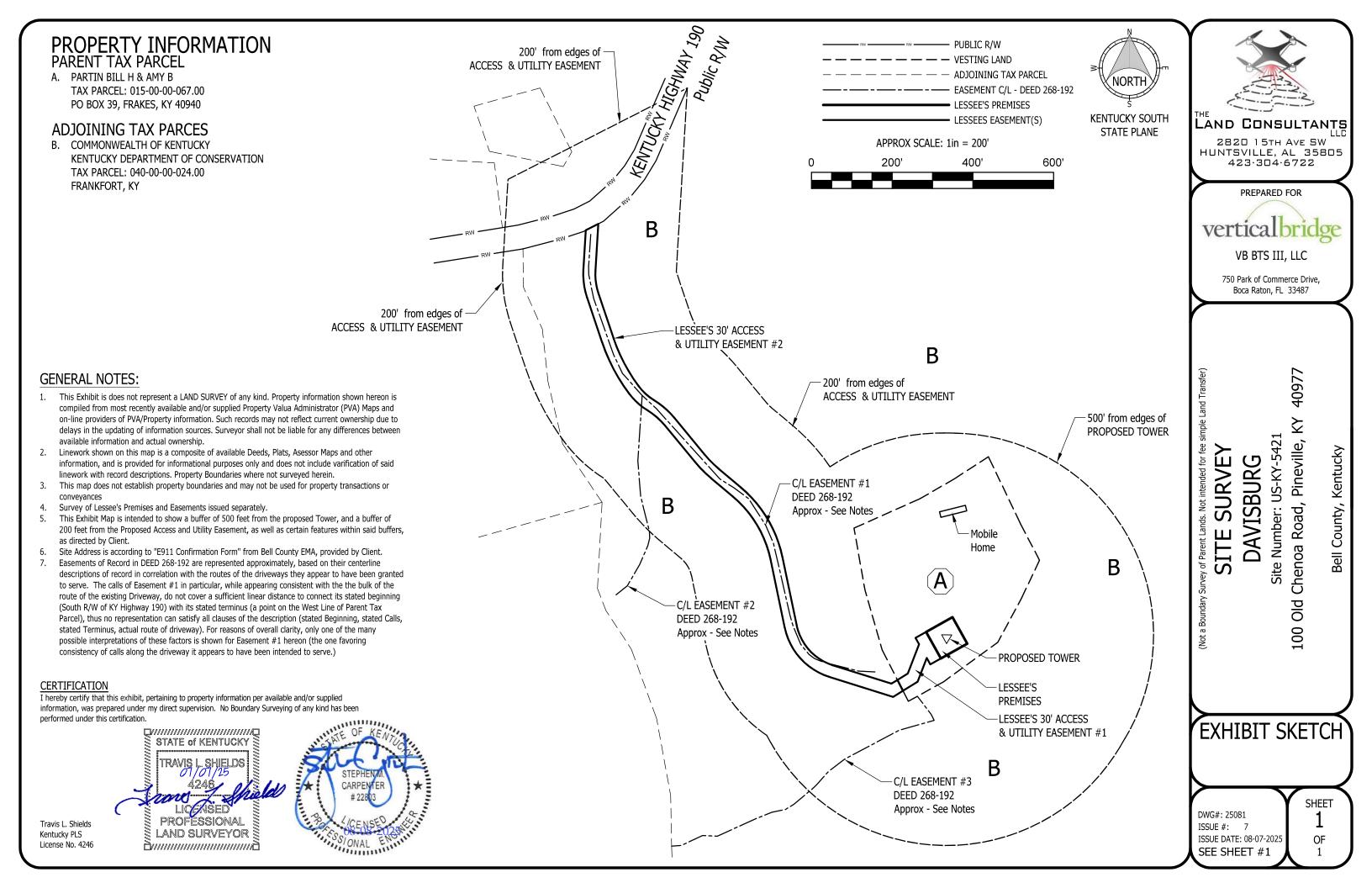


EXHIBIT C

CONSTRUCTION MANAGER LETTER LIST OF QUALIFIED PROFESSIONALS TOWER AND FOUNDATION DESIGN



May 15, 2025

Kentucky Public Service Commission P.O. Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602-0615

RE: Site Name – Davisburg (US-KY-5421)

Proposed Cell Tower; 255' SST

LAT LONG: N36 39 57.81 W83 51 30.74 - Ground Elevation 1604.2'

Dear Commissioners:

The Construction Manager for the proposed new communications facility will be Josh Sizemore. His contact information is (770) 875-5351 or Josh. Sizemore@verticalbridge.com

Josh has been in the industry completing civil construction and constructing towers since 2010. He has worked at Vertical Bridge since 2022 completing project and construction management on new site build projects.

Thank you,

Josh Sizemore

Josh Sizemore, Construction Manager – KY/TN/AL/GA Market (770)875-5351

List of Qualified Professionals

Stephen M. Carpenter Kentucky Licensed Professional Engineer No. 22803 Gen7 Engineering LLC 8101 Gann Road Soddy Daisy, TN 37379

Travis L. Shields
Kentucky Licensed Professional Land Surveyor No. 4246
The Land Consultants LLC
2820 15th Ave SW
Huntsville, AL 35805

Josh Sizemore Vertical Bridge 750 Park of Commerce Drive, Suite 200 Boca Raton, FL 33487

Jason Mark Lambert Kentucky Licensed Professional Engineer No. 28217 Nello Corporation 1201 S. Sheridan St. South Bend, IN 46619

Matt Nesbit, E.I.
Geotechnical Engineer II
Engineered Tower Solutions, PLLC
3227 Wellington Court
Raleigh, NC 27615

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

F. Geoff Bost, P.E. Kentucky Licensed Professional Engineer No. 28817 Engineered Tower Solutions, PLLC 3227 Wellington Court Raleigh, NC 27615

Sherri Lewis AT&T RF Engineer 1025 Lenox Park Blvd NE Atlanta, GA 30319



Design Supporting Calculations

Sales Order: SO33397

Drawing Number(s)

Tower: 795605 Foundation: 795606

Order Description: NSK 26' x 255.3'

Site Name: US-KY-5421 / Davisburg

Location: Bell County, KY

Prepared For:

Customer: VB BTS III, LLC

Contact: Christopher Molloy

Date: 8/11/2025



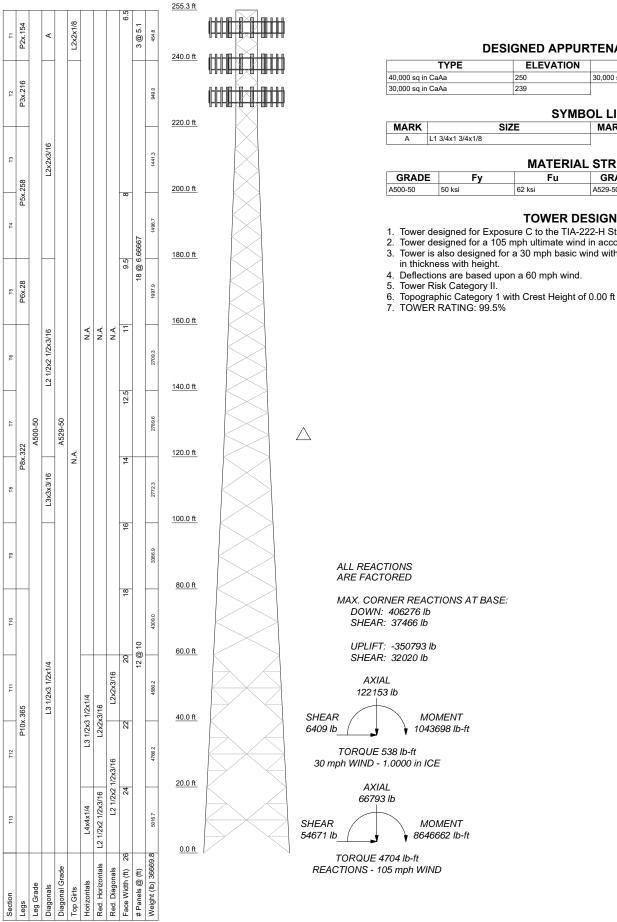
Table of Contents

Tower Analysis - Short form

Tower Analysis - Long form

Foundation Analysis

Seismic Analysis



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
40,000 sq in CaAa	250	30,000 sq in CaAa	229
30,000 sq in CaAa	239		

SYMBOL LIST

MARK	SIZE	MARK	SIZE
Α	L1 3/4x1 3/4x1/8		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A500-50	50 ksi	62 ksi	A529-50	50 ksi	65 ksi

TOWER DESIGN NOTES

- 1. Tower designed for Exposure C to the TIA-222-H Standard.
- Tower designed for a 105 mph ultimate wind in accordance with the TIA-222-H Standard.
- Tower is also designed for a 30 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
- 4. Deflections are based upon a 60 mph wind.

MAX. CORNER REACTIONS AT BASE:

1043698 lb-ft

8646662 lb-ft

^{b:} SO33397; Tower 795605; Foundation 79560 Nello Corporation 1201 S. Sheridan Street Project: NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY Client: VB BTS III, LLC Drawn by: AJK App'd: South Bend, IN 46619 Date: 08/11/25 Scale: NTS Code: TIA-222-H Phone: 800-806-3556 Dwg No. E-1 Path: N:\eri\7956\795605.eri FAX:

Nello Corporation 1201 S. Sheridan Street South Bend, IN 46619 Phone: 800-806-3556

FAX:

Job		Page
S	O33397; Tower 795605; Foundation 795606	1 of 52
Project		Date
NS	255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client	VB BTS III, LLC	Designed by AJK

Tower Input Data

The main tower is a 3x free standing tower with an overall height of 255.30 ft above the ground line.

The base of the tower is set at an elevation of 0.00 ft above the ground line.

The face width of the tower is 6.50 ft at the top and 26.00 ft at the base.

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

The following design criteria apply:

Tower base elevation above sea level: 0.00 ft.

Ultimate 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: 0.00 ft.

Nominal ice thickness of 1.0000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

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

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in tower member design is 1.

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

Options

Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification Use Code Stress Ratios

- √ Use Code Safety Factors Guys
 Escalate Ice
 Always Use Max Kz
 Use Special Wind Profile
 Include Bolts In Member Capacity
- √ Leg Bolts Are At Top Of Section
- √ Secondary Horizontal Braces Leg
 Use Diamond Inner Bracing (4 Sided)
- √ SR Members Have Cut Ends SR Members Are Concentric

- Distribute Leg Loads As Uniform Assume Legs Pinned
- √ Assume Rigid Index Plate
- √ Use Clear Spans For Wind Area
- √ Use Clear Spans For KL/r
- √ Retension Guys To Initial Tension Bypass Mast Stability Checks
- √ Use Azimuth Dish Coefficients
- √ Project Wind Area of Appurt.
- √ Autocalc Torque Arm Areas
 Add IBC .6D+W Combination
 Sort Capacity Reports By Component
- √ Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs

- Use ASCE 10 X-Brace Ly Rules
- √ Calculate Redundant Bracing Forces Ignore Redundant Members in FEA
- √ SR Leg Bolts Resist Compression
- √ All Leg Panels Have Same Allowable Offset Girt At Foundation
- √ Consider Feed Line Torque
 Include Angle Block Shear Check
 Use TIA-222-H Bracing Resist. Exemption
 Use TIA-222-H Tension Splice Exemption

 Output

 Description

 Output

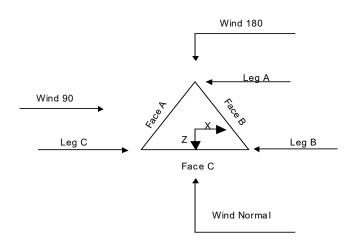
 Des

√ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known

4	
Inv	Tower

Nello Corporation 1201 S. Sheridan Street South Bend, IN 46619 Phone: 800-806-3556 FAX:

Job	Page
SO33397; Tower 795605; Foundation 79560	06 2 of 52
Project	Date
NS 255.3' - US-KY-5421 / Davisburg - Bell Co.	, KY 16:33:19 08/11/25
Client VB BTS III, LLC	Designed by AJK



Triangular Tower

Tower Section Geometry

Tower	Tower	Assembly	Description	Section	Number	Section
Section	Elevation	Database		Width	of	Length
					Sections	
	ft			ft		ft
T1	255.30-240.00			6.50	1	15.30
T2	240.00-220.00			6.50	1	20.00
T3	220.00-200.00			6.50	1	20.00
T4	200.00-180.00			8.00	1	20.00
T5	180.00-160.00			9.50	1	20.00
T6	160.00-140.00			11.00	1	20.00
T7	140.00-120.00			12.50	1	20.00
T8	120.00-100.00			14.00	1	20.00
T9	100.00-80.00			16.00	1	20.00
T10	80.00-60.00			18.00	1	20.00
T11	60.00-40.00			20.00	1	20.00
T12	40.00-20.00			22.00	1	20.00
T13	20.00-0.00			24.00	1	20.00

Tower Section Geometry (cont'd)

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft		Panels		in	in
T1	255.30-240.00	5.10	X Brace	No	No	0.0000	0.0000
T2	240.00-220.00	6.67	X Brace	No	No	0.0000	0.0000

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Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace	Has Horizontals	Top Girt Offset	Bottom Gir Offset
		1 0	J1	End		33	33
	ft	ft		Panels		in	in
T3	220.00-200.00	6.67	X Brace	No	No	0.0000	0.0000
T4	200.00-180.00	6.67	X Brace	No	No	0.0000	0.0000
T5	180.00-160.00	6.67	X Brace	No	No	0.0000	0.0000
T6	160.00-140.00	6.67	X Brace	No	No	0.0000	0.0000
T7	140.00-120.00	6.67	X Brace	No	No	0.0000	0.0000
T8	120.00-100.00	10.00	X Brace	No	No	0.0000	0.0000
T9	100.00-80.00	10.00	X Brace	No	No	0.0000	0.0000
T10	80.00-60.00	10.00	X Brace	No	No	0.0000	0.0000
T11	60.00-40.00	10.00	Double K1	No	Yes	0.0000	0.0000
T12	40.00-20.00	10.00	Double K1	No	Yes	0.0000	0.0000
T13	20.00-0.00	10.00	Double K1	No	Yes	0.0000	0.0000

Tower Section Geometry (cont'd)

Tower	Leg	Leg	Leg	Diagonal	Diagonal	Diagonal
Elevation ft	Type	Size	Grade	Type	Size	Grade
T1 255.30-240.00	Pipe	P2x.154	A500-50	Equal Angle	L1 3/4x1 3/4x1/8	A529-50
	1		(50 ksi)	1 0		(50 ksi)
T2 240.00-220.00	Pipe	P3x.216	A500-50	Equal Angle	L2x2x3/16	À529-50
	•		(50 ksi)			(50 ksi)
T3 220.00-200.00	Pipe	P5x.258	A500-50	Equal Angle	L2x2x3/16	A529-50
	1		(50 ksi)	1 0		(50 ksi)
T4 200.00-180.00	Pipe	P5x.258	A500-50	Equal Angle	L2x2x3/16	A529-50
	•		(50 ksi)			(50 ksi)
T5 180.00-160.00	Pipe	P6x.28	A500-50	Equal Angle	L2 1/2x2 1/2x3/16	A529-50
	•		(50 ksi)			(50 ksi)
T6 160.00-140.00	Pipe	P8x.322	A500-50	Equal Angle	L2 1/2x2 1/2x3/16	A529-50
	•		(50 ksi)			(50 ksi)
T7 140.00-120.00	Pipe	P8x.322	A500-50	Equal Angle	L2 1/2x2 1/2x3/16	A529-50
	•		(50 ksi)			(50 ksi)
T8 120.00-100.00	Pipe	P8x.322	A500-50	Equal Angle	L3x3x3/16	A529-50
	•		(50 ksi)			(50 ksi)
T9 100.00-80.00	Pipe	P8x.322	A500-50	Equal Angle	L3 1/2x3 1/2x1/4	A529-50
	•		(50 ksi)			(50 ksi)
T10 80.00-60.00	Pipe	P10x.365	A500-50	Equal Angle	L3 1/2x3 1/2x1/4	A529-50
	•		(50 ksi)			(50 ksi)
T11 60.00-40.00	Pipe	P10x.365	À500-50	Equal Angle	L3 1/2x3 1/2x1/4	À529-50
	1		(50 ksi)			(50 ksi)
T12 40.00-20.00	Pipe	P10x.365	À500-50	Equal Angle	L3 1/2x3 1/2x1/4	À529-50
			(50 ksi)			(50 ksi)
T13 20.00-0.00	Pipe	P10x.365	À500-50	Equal Angle	L3 1/2x3 1/2x1/4	À529-50
			(50 ksi)			(50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 255.30-240.00	Equal Angle	L2x2x1/8	A529-50 (50 ksi)	Solid Round		A529-50 (50 ksi)

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Tower Section Geometry (cont'd)										
Tower	No.	Mid Girt	Mid Girt	Mid Girt	Horizontal	Horizontal	Horizontal			
Elevation	of Mid	Type	Size	Grade	Туре	Size	Grade			
ft	Girts									
T11 60.00-40.00	None	Solid Round		A529-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A529-50 (50 ksi)			
T12 40.00-20.00	None	Solid Round		A529-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A529-50 (50 ksi)			
T13 20.00-0.00	None	Solid Round		À529-50 (50 ksi)	Equal Angle	L4x4x1/4	À529-50 (50 ksi)			

Tower Section Geometry (cont'd									
Tower Elevation	Redundant Bracing Grade		Redundant Type	Redundant Size	K Factor				
ft									
T11	A529-50	Horizontal (1)	Equal Angle	L2x2x3/16	1				
60.00-40.00	(50 ksi)	Diagonal (1)	Equal Angle	L2x2x3/16	1				
T12	A529-50	Horizontal (1)	Equal Angle	L2x2x3/16	1				
40.00-20.00	(50 ksi)	Diagonal (1)	Equal Angle	L2 1/2x2 1/2x3/16	1				
T13	A529-50	Horizontal (1)	Equal Angle	L2 1/2x2 1/2x3/16	1				
20.00-0.00	(50 ksi)	Diagonal (1)	Equal Angle	L2 1/2x2 1/2x3/16	1				

Tower Section Geometry (cont'd)											
Tower Elevation ft	Gusset Area (per face)	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in		
T1	0.00	0.0000	A36	1	1	1.1	36.0000	36.0000	36.0000		
255.30-240.00			(36 ksi)	1	1						
T2 240.00-220.00	0.00	0.0000	A36 (36 ksi)	1	1	1.1	36.0000	36.0000	36.0000		
T3 220.00-200.00	0.00	0.0000	A36 (36 ksi)	1	1	1.1	36.0000	36.0000	36.0000		
T4 200.00-180.00	0.00	0.0000	A36 (36 ksi)	1	1	1.1	36.0000	36.0000	36.0000		
T5 180.00-160.00	0.00	0.0000	A36 (36 ksi)	1	1	1.1	36.0000	36.0000	36.0000		
T6 160.00-140.00	0.00	0.0000	A36 (36 ksi)	1	1	1.1	36.0000	36.0000	36.0000		
T7 140.00-120.00	0.00	0.0000	A36 (36 ksi)	1	1	1.1	36.0000	36.0000	36.0000		
T8 120.00-100.00	0.00	0.0000	A36 (36 ksi)	1	1	1.1	36.0000	36.0000	36.0000		
T9 100.00-80.00	0.00	0.0000	A36 (36 ksi)	1	1	1.1	36.0000	36.0000	36.0000		

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Tower Elevation	Gusset Area	Gusset Thickness	Gusset Grade	$Adjust.\ Factor \ A_f$	Adjust. Factor	Weight Mult.	Double Angle Stitch Bolt	Double Angle Stitch Bolt	Double Angle Stitch Bolt
	(per face)				A_r		Spacing	Spacing	Spacing
							Diagonals	Horizontals	Redundants
ft	ft ²	in					in	in	in
T10	0.00	0.0000	A36	1	1	1.1	36.0000	36.0000	36.0000
80.00-60.00			(36 ksi)						
T11	0.00	0.0000	A36	1	1	1.1	36.0000	36.0000	36.0000
60.00-40.00			(36 ksi)						
T12	0.00	0.0000	A36	1	1	1.1	36.0000	36.0000	36.0000
40.00-20.00			(36 ksi)						
T13 20.00-0.00	0.00	0.0000	A36	1	1	1.1	36.0000	36.0000	36.0000
			(36 ksi)						

Tower Section Geometry (cont'd)

						K Fa	ctors ¹			
Tower Elevation	Calc K Single	Calc K Solid	Legs	X Brace Diags	K Brace Diags	Single Diags	Girts	Horiz.	Sec. Horiz.	Inner Brace
	Angles	Rounds		X	X	X	X	X	X	X
ft				Y	Y	Y	Y	Y	Y	Y
T1	No	Yes	1	1	1	1	1	1	1	1
255.30-240.00				1	1	1	1	1	1	1
T2	No	Yes	1	1	1	1	1	1	1	1
240.00-220.00				1	1	1	1	1	1	1
T3	No	Yes	1	1	1	1	1	1	1	1
220.00-200.00				1	1	1	1	1	1	1
T4	No	Yes	1	1	1	1	1	1	1	1
200.00-180.00				1	1	1	1	1	1	1
T5	No	Yes	1	1	1	1	1	1	1	1
180.00-160.00				1	1	1	1	1	1	1
T6	No	Yes	1	1	1	1	1	1	1	1
160.00-140.00				1	1	1	1	1	1	1
T7	No	Yes	1	1	1	1	1	1	1	1
140.00-120.00				1	1	1	1	1	1	1
T8	No	Yes	1	1	1	1	1	1	1	1
120.00-100.00				1	1	1	1	1	1	1
Т9	No	Yes	1	1	1	1	1	1	1	1
100.00-80.00				1	1	1	1	1	1	1
T10	No	Yes	1	1	1	1	1	1	1	1
80.00-60.00				1	1	1	1	1	1	1
T11	No	Yes	1	1	1	1	1	1	1	1
60.00-40.00				1	1	1	1	1	1	1
T12	No	Yes	1	1	1	1	1	1	1	1
40.00-20.00				1	1	1	1	1	1	1
T13	No	Yes	1	1	1	1	1	1	1	1
20.00-0.00				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)

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Tower Elevation ft	Leg		Diagor	ıal	Top G	irt	Botton	n Girt	Mid	Girt	Long Ho	rizontal	Short Ho	rizontal
J	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 255.30-240.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 240.00-220.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 220.00-200.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 200.00-180.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 180.00-160.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 160.00-140.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 140.00-120.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 120.00-100.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 100.00-80.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 80.00-60.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T11 60.00-40.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T12 40.00-20.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T13 20.00-0.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Reduna Horizo		Redund Diagor		Redund Sub-Diag		Redur Sub-Ho		Redundan	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	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 255.30-240.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 240.00-220.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 220.00-200.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 200.00-180.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 180.00-160.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 160.00-140.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 140.00-120.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 120.00-100.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 100.00-80.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 80.00-60.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T11 60.00-40.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

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Tower Elevation ft	Reduna Horizoi		Reduna Diago		Reduna Sub-Diag		Redur Sub-Hor		Redundan	t Vertical	Redundo	ınt Hip	Redunda Diago	
	Net Width Deduct	U	Net Width Deduct	U	Net Width Deduct	U	Net Width	U	Net Width	U	Net Width	U	Net Width	U
	in		in		in		Deduct		Deduct		Deduct		Deduct	
							in		in		in		in	
T12	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
40.00-20.00														
T13 20.00-0.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or	Allow Shield	Exclude From	Component Type	Placement	Total Number	Number Per Row	Clear Spacing	Width or Diameter	Perimeter	Weight
	Leg		Torque		ft			in	in	in	plf
			Calculation								
1" Conduit	C	No	No	Ar (CaAa)	255.00 - 0.00	1	1	2.2400	0.0100		0.50
								0.0000			
LDF7-50A (1-5/8	C	No	No	Ar (CaAa)	250.00 - 0.00	12	4	0.2700	1.9800		0.82
FOAM)								0.0000			
LDF7-50A (1-5/8	В	No	No	Ar (CaAa)	239.00 - 0.00	12	4	0.2700	1.9800		0.82
FOAM)								0.0000			
LDF7-50A (1-5/8	A	No	No	Ar (CaAa)	229.00 - 0.00	12	4	0.2700	1.9800		0.82
FOAM)								0.0000			

Feed Line/Linear Appurtenances Section Areas

Tower	Tower	Face	A_R	A_F	$C_A A_A$	$C_A A_A$	Weight
Section	Elevation				In Face	Out Face	
	ft		ft^2	ft ²	ft^2	ft ²	lb
T1	255.30-240.00	A	0.000	0.000	0.000	0.000	0.00
		В	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	23.775	0.000	105.90
T2	240.00-220.00	A	0.000	0.000	21.384	0.000	88.56
		В	0.000	0.000	45.144	0.000	186.96
		C	0.000	0.000	47.540	0.000	206.80
T3	220.00-200.00	A	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80
		C	0.000	0.000	47.540	0.000	206.80
T4	200.00-180.00	A	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80
		C	0.000	0.000	47.540	0.000	206.80
T5	180.00-160.00	A	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80
		C	0.000	0.000	47.540	0.000	206.80
T6	160.00-140.00	Α	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80
		C	0.000	0.000	47.540	0.000	206.80
T7	140.00-120.00	A	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80
		C	0.000	0.000	47.540	0.000	206.80
T8	120.00-100.00	Α	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80
		C	0.000	0.000	47.540	0.000	206.80
T9	100.00-80.00	A	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80

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Tower	Tower	Face	A_R	A_F	$C_A A_A$	$C_A A_A$	Weight
Section	Elevation				In Face	Out Face	
	ft		ft^2	ft^2	ft^2	ft ²	lb
		С	0.000	0.000	47.540	0.000	206.80
T10	80.00-60.00	A	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80
		C	0.000	0.000	47.540	0.000	206.80
T11	60.00-40.00	A	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80
		C	0.000	0.000	47.540	0.000	206.80
T12	40.00-20.00	A	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80
		C	0.000	0.000	47.540	0.000	206.80
T13	20.00-0.00	A	0.000	0.000	47.520	0.000	196.80
		В	0.000	0.000	47.520	0.000	196.80
		C	0.000	0.000	47.540	0.000	206.80

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower	Tower	Face	Ice	A_R	A_F	$C_A A_A$	$C_A A_A$	Weight
Section	Elevation	or	Thickness			In Face	Out Face	
	ft	Leg	in	ft ²	ft ²	ft ²	ft ²	lb
T1	255.30-240.00	A	1.223	0.000	0.000	0.000	0.000	0.00
		В		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	21.151	0.000	338.02
T2	240.00-220.00	A	1.214	0.000	0.000	15.692	0.000	271.48
		В		0.000	0.000	33.127	0.000	573.11
		C		0.000	0.000	39.747	0.000	649.60
T3	220.00-200.00	A	1.203	0.000	0.000	34.793	0.000	600.27
		В		0.000	0.000	34.793	0.000	600.27
		C		0.000	0.000	39.626	0.000	645.94
T4	200.00-180.00	A	1.191	0.000	0.000	34.709	0.000	596.99
		В		0.000	0.000	34.709	0.000	596.99
		C		0.000	0.000	39.494	0.000	641.96
T5	180.00-160.00	A	1.178	0.000	0.000	34.617	0.000	593.39
		В		0.000	0.000	34.617	0.000	593.39
		C		0.000	0.000	39.349	0.000	637.60
T6	160.00-140.00	A	1.163	0.000	0.000	34.514	0.000	589.40
		В		0.000	0.000	34.514	0.000	589.40
		C		0.000	0.000	39.188	0.000	632.76
T7	140.00-120.00	A	1.147	0.000	0.000	34.399	0.000	584.92
		В		0.000	0.000	34.399	0.000	584.92
		C		0.000	0.000	39.006	0.000	627.34
T8	120.00-100.00	A	1.128	0.000	0.000	34.266	0.000	579.78
		В		0.000	0.000	34.266	0.000	579.78
		C		0.000	0.000	38.798	0.000	621.14
T9	100.00-80.00	A	1.106	0.000	0.000	34.109	0.000	573.73
		В		0.000	0.000	34.109	0.000	573.73
		C		0.000	0.000	38.551	0.000	613.87
T10	80.00-60.00	A	1.078	0.000	0.000	33.917	0.000	566.37
		В		0.000	0.000	33.917	0.000	566.37
		C		0.000	0.000	38.249	0.000	605.04
T11	60.00-40.00	A	1.042	0.000	0.000	33.667	0.000	556.86
		В		0.000	0.000	33.667	0.000	556.86
		C		0.000	0.000	37.857	0.000	593.66
T12	40.00-20.00	A	0.991	0.000	0.000	33.304	0.000	543.12
		В		0.000	0.000	33.304	0.000	543.12
		C		0.000	0.000	37.286	0.000	577.33
T13	20.00-0.00	A	0.887	0.000	0.000	32.584	0.000	516.23
		В		0.000	0.000	32.584	0.000	516.23
		С		0.000	0.000	36.154	0.000	545.69

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Projec	et	Date
	NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client		Designed by
	VB BTS III, LLC	AJK

Feed Line Center of Pressure

Section	Elevation	CP_X	CP_Z	CP_X	CP_Z
				Ice	Ice
	ft	in	in	in	in
T1	255.30-240.00	0.0000	3.4029	0.0000	3.7208
T2	240.00-220.00	1.5703	0.1907	1.4701	1.0837
T3	220.00-200.00	0.0000	-1.1170	0.0000	-0.1311
T4	200.00-180.00	0.0000	-1.2609	0.0000	-0.1418
T5	180.00-160.00	0.0000	-1.2830	0.0000	-0.1451
T6	160.00-140.00	0.0000	-1.3353	0.0000	-0.1520
T7	140.00-120.00	0.0000	-1.4307	0.0000	-0.1680
T8	120.00-100.00	0.0000	-1.6040	0.0000	-0.1993
T9	100.00-80.00	0.0000	-1.6278	0.0000	-0.2203
T10	80.00-60.00	0.0000	-1.6435	0.0000	-0.2439
T11	60.00-40.00	0.0000	-1.6371	0.0000	-0.2689
T12	40.00-20.00	0.0000	-1.6902	0.0000	-0.3254
T13	20.00-0.00	0.0000	-1.7171	0.0000	-0.4352

Shielding Factor Ka

Tower	Feed Line	Description	Feed Line	K_a	K_a
Section	Record No.		Segment Elev.	No Ice	Ice
T1	1	1" Conduit	240.00 -	0.6000	0.6000
			255.00		
T1	2	LDF7-50A (1-5/8 FOAM)	240.00 -	0.6000	0.6000
			250.00		
T2	1	1" Conduit	220.00 -	0.6000	0.6000
		1 D D Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	240.00	0.6000	0.6000
T2	2	LDF7-50A (1-5/8 FOAM)	220.00 -	0.6000	0.6000
T2	3	LDE7 504 (1 5/9 EQAM)	240.00	0.6000	0.6000
12	3	LDF7-50A (1-5/8 FOAM)	220.00 - 239.00	0.6000	0.6000
T2	4	LDF7-50A (1-5/8 FOAM)	220.00 -	0.6000	0.6000
12	+	LDF 7-30A (1-3/8 FOAM)	229.00	0.0000	0.0000
Т3	1	1" Conduit	200.00 -	0.6000	0.6000
13	1	1 Conduit	220.00	0.0000	0.0000
Т3	2	LDF7-50A (1-5/8 FOAM)	200.00 -	0.6000	0.6000
13	-	251 / 3011 (1 3/01 6/11/1)	220.00	0.0000	0.0000
Т3	3	LDF7-50A (1-5/8 FOAM)	200.00 -	0.6000	0.6000
		,	220.00		
T3	4	LDF7-50A (1-5/8 FOAM)	200.00 -	0.6000	0.6000
		, ,	220.00		
T4	1	1" Conduit	180.00 -	0.6000	0.6000
			200.00		
T4	2	LDF7-50A (1-5/8 FOAM)	180.00 -	0.6000	0.6000
			200.00		
T4	3	LDF7-50A (1-5/8 FOAM)	180.00 -	0.6000	0.6000
			200.00		
T4	4	LDF7-50A (1-5/8 FOAM)	180.00 -	0.6000	0.6000
			200.00		
T5	1	1" Conduit		0.6000	0.6000
I l			180.00		

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Clie	vb BTS III, LLC	Designed by AJK

Tower	Feed Line	Description	Feed Line	K_a	K_a
Section	Record No.		Segment Elev.	No Ice	Ice
T5	2	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.6000
T5	3	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.6000
T5	4	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.6000
Т6	1	1" Conduit	140.00 -	0.6000	0.6000
Т6	2	LDF7-50A (1-5/8 FOAM)	160.00 140.00 -	0.6000	0.6000
Т6	3	LDF7-50A (1-5/8 FOAM)	160.00 140.00 -	0.6000	0.6000
Т6	4	LDF7-50A (1-5/8 FOAM)	160.00 140.00 -	0.6000	0.6000
Т7	1	1" Conduit	160.00 120.00 -	0.6000	0.6000
Т7	2	LDF7-50A (1-5/8 FOAM)	140.00 120.00 -	0.6000	0.6000
Т7	3	LDF7-50A (1-5/8 FOAM)	140.00 120.00 -	0.6000	0.6000
Т7	4	LDF7-50A (1-5/8 FOAM)	140.00 120.00 -	0.6000	0.6000
Т8	1	1" Conduit	140.00 100.00 -	0.6000	0.6000
Т8	2	LDF7-50A (1-5/8 FOAM)	120.00 100.00 -	0.6000	0.6000
Т8	3	LDF7-50A (1-5/8 FOAM)	120.00 100.00 -	0.6000	0.6000
Т8	4	LDF7-50A (1-5/8 FOAM)	120.00 100.00 -	0.6000	0.6000
Т9	1	,	120.00 80.00 - 100.00	0.6000	0.6000
T9	2	LDF7-50A (1-5/8 FOAM)		0.6000	0.6000
T9	3	LDF7-50A (1-5/8 FOAM)		0.6000	0.6000
T9	4	LDF7-50A (1-5/8 FOAM)		0.6000	0.6000
T10	1	1" Conduit	60.00 - 80.00	0.6000	0.6000
T10	2	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.6000
T10	3	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.6000
T10	4	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.6000
T11	1	1" Conduit	40.00 - 60.00	0.6000	0.6000
T11	2	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.6000
T11	3	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.6000
T11	4	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.6000
T12	1	1" Conduit	20.00 - 40.00	0.6000	0.6000
T12	2	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.6000
T12	3	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.6000
T12	4	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.6000
T13	i	1" Conduit	0.00 - 20.00	0.6000	0.6000
T13	2	LDF7-50A (1-5/8 FOAM)	0.00 - 20.00	0.6000	0.6000
T13	3	LDF7-50A (1-5/8 FOAM)	0.00 - 20.00	0.6000	0.6000
T13	4	LDF7-50A (1-5/8 FOAM)	0.00 - 20.00	0.6000	0.6000

Discrete Tower Loads

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Cli	ient VB BTS III, LLC	Designed by AJK

Description	Face or Leg	Offset Type	Offsets: Horz Lateral	Azimuth Adjustment	Placement		C_AA_A Front	C _A A _A Side	Weight
			Vert ft ft ft	0	ft		ft²	ft²	lb
40,000 sq in CaAa	С	None		0.0000	250.00	No Ice	278.00	278.00	4726.00
•						1/2" Ice	334.00	334.00	6333.00
						1" Ice	390.00	390.00	7940.0
30,000 sq in CaAa	В	None		0.0000	239.00	No Ice	208.00	208.00	3536.0
-						1/2" Ice	250.00	250.00	4738.0
						1" Ice	292.00	292.00	5940.0
30,000 sq in CaAa	Α	None		0.0000	229.00	No Ice	208.00	208.00	3536.0
· •						1/2" Ice	250.00	250.00	4738.0
						1" Ice	292.00	292.00	5940.0

Tower Pressures - No Ice

 $G_H = 0.850$

Section	Z	K_Z	q_z	A_G	F	A_F	A_R	A_{leg}	Leg	$C_A A_A$	$C_A A_A$
Elevation					a			_	%	In	Out
					c					Face	Face
ft	ft		psf	ft^2	e	ft ²	ft^2	ft^2		ft ²	ft^2
T1	247.65	1.532	37	102.478	Α	8.059	6.056	6.056	42.90	0.000	0.000
255.30-240.00					В	8.059	6.056		42.90	0.000	0.000
					C	8.059	6.056		42.90	23.775	0.000
T2	230.00	1.508	36	135.833	Α	8.893	11.667	11.667	56.74	21.384	0.000
240.00-220.00					В	8.893	11.667		56.74	45.144	0.000
					C	8.893	11.667		56.74	47.540	0.000
T3	210.00	1.48	35	154.278	Α	9.223	18.561	18.561	66.80	47.520	0.000
220.00-200.00					В	9.223	18.561		66.80	47.520	0.000
					C	9.223	18.561		66.80	47.540	0.000
T4	190.00	1.449	35	184.278	Α	10.421	18.561	18.561	64.04	47.520	0.000
200.00-180.00					В	10.421	18.561		64.04	47.520	0.000
					C	10.421	18.561		64.04	47.540	0.000
T5	170.00	1.415	34	216.049	Α	14.464	22.104	22.104	60.45	47.520	0.000
180.00-160.00					В	14.464	22.104		60.45	47.520	0.000
					C	14.464	22.104		60.45	47.540	0.000
T6	150.00	1.378	33	249.385	Α	15.856	28.777	28.777	64.47	47.520	0.000
160.00-140.00					В	15.856	28.777		64.47	47.520	0.000
					C	15.856	28.777		64.47	47.540	0.000
T7	130.00	1.337	32	279.385	Α	17.537	28.777	28.777	62.13	47.520	0.000
140.00-120.00					В	17.537	28.777		62.13	47.520	0.000
					C	17.537	28.777		62.13	47.540	0.000
T8	110.00	1.291	31	314.393	Α	17.168	28.798	28.798	62.65	47.520	0.000
120.00-100.00					В	17.168	28.798		62.65	47.520	0.000
					C	17.168	28.798		62.65	47.540	0.000
T9	90.00	1.238	30	354.393	Α	22.042	28.798	28.798	56.64	47.520	0.000
100.00-80.00					В	22.042	28.798		56.64	47.520	0.000
					C	22.042	28.798		56.64	47.540	0.000
T10	70.00	1.174	28	397.939	A	23.872	35.893	35.893	60.06	47.520	0.000
80.00-60.00					В	23.872	35.893		60.06	47.520	0.000
					C	23.872	35.893		60.06	47.540	0.000
T11	50.00	1.094	26	437.939	A	29.690	35.893	35.893	54.73	47.520	0.000
60.00-40.00					В	29.690	35.893		54.73	47.520	0.000

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Project		Date
N	IS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client	VB BTS III, LLC	Designed by
	VB BTO III, LLO	AJK

Section	Z	K_Z	q_z	A_G	F	A_F	A_R	A_{leg}	Leg	$C_A A_A$	C_AA_A
Elevation					а				%	In	Out
					С					Face	Face
ft	ft		psf	ft^2	e	ft ²	ft ²	ft^2		ft ²	ft^2
					C	29.690	35.893		54.73	47.540	0.000
T12	30.00	0.982	24	477.939	Α	32.933	35.893	35.893	52.15	47.520	0.000
40.00-20.00					В	32.933	35.893		52.15	47.520	0.000
					C	32.933	35.893		52.15	47.540	0.000
T13 20.00-0.00	10.00	0.85	20	517.939	Α	37.076	35.893	35.893	49.19	47.520	0.000
					В	37.076	35.893		49.19	47.520	0.000
					C	37.076	35.893		49.19	47.540	0.000

Tower Pressure - With Ice

 $G_H=0.850$

Section	z	K_Z	q_z	t_Z	A_G	F	A_F	A_R	A_{leg}	Leg	C_AA_A	$C_A A_A$
Elevation						а				%	In	Out
					_	С	_	_	_		Face	Face
ft	ft		psf	in	ft ²	е	ft ²	ft ²	ft ²		ft ²	ft^2
T1	247.65	1.532	3	1.2233	105.598	Α	8.059	23.379	12.295	39.11	0.000	0.000
255.30-240.00						В	8.059	23.379		39.11	0.000	0.000
						C	8.059	23.379		39.11	21.151	0.000
T2	230.00	1.508	3	1.2143	139.881	Α	8.893	30.561	19.762	50.09	15.692	0.000
240.00-220.00						В	8.893	30.561		50.09	33.127	0.000
						C	8.893	30.561		50.09	39.747	0.000
T3	210.00	1.48	3	1.2033	158.292	Α	9.223	37.688	26.590	56.68	34.793	0.000
220.00-200.00						В	9.223	37.688		56.68	34.793	0.000
						C	9.223	37.688		56.68	39.626	0.000
T4	190.00	1.449	3	1.1913	188.252	Α	10.421	38.924	26.510	53.72	34.709	0.000
200.00-180.00						В	10.421	38.924		53.72	34.709	0.000
						C	10.421	38.924		53.72	39.494	0.000
T5	170.00	1.415	3	1.1781	219.979	Α	14.464	43.598	29.966	51.61	34.617	0.000
180.00-160.00						В	14.464	43.598		51.61	34.617	0.000
						C	14.464	43.598		51.61	39.349	0.000
T6	150.00	1.378	3	1.1635	253.266		15.856	51.300	36.541	54.41	34.514	0.000
160.00-140.00						В	15.856	51.300		54.41	34.514	0.000
						C	15.856	51.300		54.41	39.188	0.000
T7	130.00	1.337	3	1.1469	283.211	Α	17.537	52.522	36.430	52.00	34.399	0.000
140.00-120.00						В	17.537	52.522		52.00	34.399	0.000
						C	17.537	52.522		52.00	39.006	0.000
T8	110.00	1.291	3	1.1279	318.157	Α	17.168	49.240	36.330	54.71	34.266	0.000
120.00-100.00						В	17.168	49.240		54.71	34.266	0.000
						C	17.168	49.240		54.71	38.798	0.000
T9 100.00-80.00	90.00	1.238	2	1.1055	358.083	Α	22.042	50.105	36.180	50.15	34.109	0.000
						В	22.042	50.105		50.15	34.109	0.000
						C	22.042	50.105		50.15	38.551	0.000
T10 80.00-60.00	70.00	1.174	2	1.0781	401.537	Α	23.872	57.799	43.092	52.76	33.917	0.000
						В	23.872	57.799		52.76	33.917	0.000
						C	23.872	57.799		52.76	38.249	0.000
T11 60.00-40.00	50.00	1.094	2	1.0424	441.418	Α	29.690	63.946	42.854	45.77	33.667	0.000
						В	29.690	63.946		45.77	33.667	0.000
						C	29.690	63.946		45.77	37.857	0.000
T12 40.00-20.00	30.00	0.982	2	0.9905	481.245	Α	32.933	63.974	42.507	43.86	33.304	0.000
						В	32.933	63.974		43.86	33.304	0.000
						C	32.933	63.974		43.86	37.286	0.000
T13 20.00-0.00	10.00	0.85	2	0.8875	520.901	Α	37.076	62.349	41.819	42.06	32.584	0.000
						В	37.076	62.349		42.06	32.584	0.000
						C	37.076	62.349		42.06	36.154	0.000

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Project	Date
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Client VB BTS III, LLC	Designed by AJK

Tower Pressure - Service

 $G_H = 0.850$

Section	z	K_Z	q_z	A_G	F	A_F	A_R	A_{leg}	Leg	$C_A A_A$	$C_A A_A$
Elevation					а				%	In	Out
					С					Face	Face
ft	ft		psf	ft^2	е	ft ²	ft^2	ft^2		ft^2	ft ²
T1	247.65	1.532	12	102.478	Α	8.059	6.056	6.056	42.90	0.000	0.000
255.30-240.00					В	8.059	6.056		42.90	0.000	0.000
					C	8.059	6.056		42.90	23.775	0.000
T2	230.00	1.508	12	135.833	Α	8.893	11.667	11.667	56.74	21.384	0.000
240.00-220.00					В	8.893	11.667		56.74	45.144	0.000
					C	8.893	11.667		56.74	47.540	0.000
T3	210.00	1.48	12	154.278	Α	9.223	18.561	18.561	66.80	47.520	0.000
220.00-200.00					В	9.223	18.561		66.80	47.520	0.000
					C	9.223	18.561		66.80	47.540	0.000
T4	190.00	1.449	11	184.278	Α	10.421	18.561	18.561	64.04	47.520	0.000
200.00-180.00					В	10.421	18.561		64.04	47.520	0.000
					C	10.421	18.561		64.04	47.540	0.000
T5	170.00	1.415	11	216.049	Α	14.464	22.104	22.104	60.45	47.520	0.000
180.00-160.00					В	14.464	22.104		60.45	47.520	0.000
					C	14.464	22.104		60.45	47.540	0.000
T6	150.00	1.378	11	249.385	Α	15.856	28.777	28.777	64.47	47.520	0.000
160.00-140.00					В	15.856	28.777		64.47	47.520	0.000
					C	15.856	28.777		64.47	47.540	0.000
T7	130.00	1.337	10	279.385	Α	17.537	28.777	28.777	62.13	47.520	0.000
140.00-120.00					В	17.537	28.777		62.13	47.520	0.000
					C	17.537	28.777		62.13	47.540	0.000
T8	110.00	1.291	10	314.393	Α	17.168	28.798	28.798	62.65	47.520	0.000
120.00-100.00					В	17.168	28.798		62.65	47.520	0.000
					C	17.168	28.798		62.65	47.540	0.000
T9	90.00	1.238	10	354.393	Α	22.042	28.798	28.798	56.64	47.520	0.000
100.00-80.00					В	22.042	28.798		56.64	47.520	0.000
					C	22.042	28.798		56.64	47.540	0.000
T10	70.00	1.174	9	397.939	Α	23.872	35.893	35.893	60.06	47.520	0.000
80.00-60.00					В	23.872	35.893		60.06	47.520	0.000
					C	23.872	35.893		60.06	47.540	0.000
T11	50.00	1.094	9	437.939	Α	29.690	35.893	35.893	54.73	47.520	0.000
60.00-40.00					В	29.690	35.893		54.73	47.520	0.000
					С	29.690	35.893		54.73	47.540	0.000
T12	30.00	0.982	8	477.939	Α	32.933	35.893	35.893	52.15	47.520	0.000
40.00-20.00					В	32.933	35.893		52.15	47.520	0.000
					C	32.933	35.893		52.15	47.540	0.000
T13 20.00-0.00	10.00	0.85	7	517.939	Α	37.076	35.893	35.893	49.19	47.520	0.000
		-			В	37.076	35.893		49.19	47.520	0.000
					C	37.076	35.893		49.19	47.540	0.000

Tower Forces - No Ice - Wind Normal To Face

	Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
	Elevation	Weight	Weight	а									Face
				c			psf						
	ft	lb	lb	e						ft^2	lb	plf	
	T1	105.90	454.80	Α	0.138	2.817	37	1	1	11.490	1215.89	79.47	C
25	55.30-240.00			В	0.138	2.817		1	1	11.490			
				C	0.138	2.817		1	1	11.490			

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Project	Date
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Client	Designed by
VB BTS III, LLC	AJK

Section	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
	**	**	С			psf			6.2	**	10	
ft	lb	lb	e	0.4.54					ft ²	lb_	plf	-
T2	482.32	949.02	A	0.151	2.766	36	1	1	15.516	2151.94	107.60	С
240.00-220.00			В	0.151	2.766		1	1	15.516			
	600.40	1 4 4 1 2 2	C	0.151	2.766	2.5	1	1	15.516	2404.00	10100	-
T3	600.40	1441.29	A	0.18	2.664	35	1	1	18.512	2484.09	124.20	С
220.00-200.00			В	0.18	2.664		1	1	18.512			
m.4	600.40	1.106.60	C	0.18	2.664	2.5	1	1	18.512	2565.60	120.20	-
T4	600.40	1496.69	A	0.157	2.745	35	1	1	19.609	2565.60	128.28	С
200.00-180.00			В	0.157	2.745		1	1	19.609			
			C	0.157	2.745		1	1	19.609			_
T5	600.40	1997.92	A	0.169	2.702	34	1	1	24.663	2875.97	143.80	C
180.00-160.00			В	0.169	2.702		1	1	24.663			
			C	0.169	2.702		1	1	24.663			_
T6	600.40	2709.25	A	0.179	2.668	33	1	1	28.345	3053.58	152.68	С
160.00-140.00			В	0.179	2.668		1	1	28.345			
			C	0.179	2.668		1	1	28.345			_
T7	600.40	2789.64	A	0.166	2.714	32	1	1	29.822	3108.25	155.41	C
140.00-120.00			В	0.166	2.714		1	1	29.822			
T	600.40	2552 22	C	0.166	2.714	2.1	1	1	29.822	2000 00	150 15	-
T8	600.40	2772.33	A	0.146	2.786	31	1	1	29.170	3008.99	150.45	С
120.00-100.00			В	0.146	2.786		1	1	29.170			
			C	0.146	2.786	• •	1	1	29.170			_
Т9	600.40	3386.94	A	0.143	2.796	30	1	1	34.004	3233.16	161.66	C
100.00-80.00			В	0.143	2.796		1	1	34.004			
			C	0.143	2.796	• 0	1	1	34.004			_
T10	600.40	4308.96	A	0.15	2.771	28	1	1	38.904	3371.28	168.56	C
80.00-60.00			В	0.15	2.771		1	1	38.904			
			C	0.15	2.771		1	1	38.904			_
T11	600.40	4580.17	A	0.15	2.772	26	1	1	44.714	3501.41	175.07	С
60.00-40.00			В	0.15	2.772		1	1	44.714			
			C	0.15	2.772		1	1	44.714			
T12	600.40	4766.17	Α	0.144	2.794	24	1	1	47.853	3339.10	166.95	С
40.00-20.00			В	0.144	2.794		1	1	47.853			
		#016 C-	C	0.144	2.794	2.0	1	1	47.853	2005.00	15100	
T13	600.40	5016.67	A	0.141	2.805	20	1	1	51.940	3097.93	154.90	С
20.00-0.00			В	0.141	2.805		1	1	51.940			
			С	0.141	2.805		1	1	51.940			
Sum Weight:	7192.62	36669.84						OTM	4320398.0	37007.21		
									6 lb-ft			

Tower Forces - No Ice - Wind 60 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			С			psf						
ft	lb	lb	e						ft ²	lb	plf	
T1	105.90	454.80	Α	0.138	2.817	37	0.8	1	9.878	1074.05	70.20	A
255.30-240.00			В	0.138	2.817		0.8	1	9.878			
			C	0.138	2.817		0.8	1	9.878			
T2	482.32	949.02	Α	0.151	2.766	36	0.8	1	13.737	2000.61	100.03	A
240.00-220.00			В	0.151	2.766		0.8	1	13.737			
			C	0.151	2.766		0.8	1	13.737			
T3	600.40	1441.29	Α	0.18	2.664	35	0.8	1	16.667	2335.84	116.79	C
220.00-200.00			В	0.18	2.664		0.8	1	16.667			
			C	0.18	2.664		0.8	1	16.667			

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Pro	oject	Date
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Cli	ient	Designed by
	VB BTS III, LLC	AJK

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a			_						Face
			c			psf						
ft	lb	lb	e						ft^2	lb	plf	
T4	600.40	1496.69	Α	0.157	2.745	35	0.8	1	17.525	2396.59	119.83	С
200.00-180.00			В	0.157	2.745		0.8	1	17.525			
			C	0.157	2.745		0.8	1	17.525			
T5	600.40	1997.92	Α	0.169	2.702	34	0.8	1	21.771	2650.41	132.52	C
180.00-160.00			В	0.169	2.702		0.8	1	21.771			
			C	0.169	2.702		0.8	1	21.771			
T6	600.40	2709.25	Α	0.179	2.668	33	0.8	1	25.174	2815.79	140.79	С
160.00-140.00			В	0.179	2.668		0.8	1	25.174			
			C	0.179	2.668		0.8	1	25.174			
T7	600.40	2789.64	Α	0.166	2.714	32	0.8	1	26.314	2848.60	142.43	С
140.00-120.00			В	0.166	2.714		0.8	1	26.314			
			C	0.166	2.714		0.8	1	26.314			
T8	600.40	2772.33	Α	0.146	2.786	31	0.8	1	25.737	2757.15	137.86	С
120.00-100.00			В	0.146	2.786		0.8	1	25.737			
			C	0.146	2.786		0.8	1	25.737			
Т9	600.40	3386.94	Α	0.143	2.796	30	0.8	1	29.596	2922.07	146.10	C
100.00-80.00			В	0.143	2.796		0.8	1	29.596			
			С	0.143	2.796		0.8	1	29.596			
T10	600.40	4308.96	Α	0.15	2.771	28	0.8	1	34.129	3054.56	152.73	С
80.00-60.00			В	0.15	2.771		0.8	1	34.129			
			C	0.15	2.771		0.8	1	34.129			
T11	600.40	4580.17	Α	0.15	2.772	26	0.8	1	38.776	3134.22	156.71	C
60.00-40.00			В	0.15	2.772		0.8	1	38.776			
			С	0.15	2.772		0.8	1	38.776			
T12	600.40	4766.17	Α	0.144	2.794	24	0.8	1	41.266	2970.53	148.53	C
40.00-20.00			В	0.144	2.794		0.8	1	41.266			
			С	0.144	2.794		0.8	1	41.266			
T13	600.40	5016.67	Α	0.141	2.805	20	0.8	1	44.525	2737.36	136.87	С
20.00-0.00			В	0.141	2.805		0.8	1	44.525			
			C	0.141	2.805		0.8	1	44.525			
Sum Weight:	7192.62	36669.84						OTM	3968555.7	33697.78		
8									0 lb-ft			

Tower Forces - No Ice - Wind 90 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			С			psf						
ft	lb	lb	e						ft ²	lb	plf	
T1	105.90	454.80	Α	0.138	2.817	37	0.85	1	10.281	1093.17	71.45	В
255.30-240.00			В	0.138	2.817		0.85	1	10.281			
			C	0.138	2.817		0.85	1	10.281			
T2	482.32	949.02	Α	0.151	2.766	36	0.85	1	14.182	2052.93	102.65	A
240.00-220.00			В	0.151	2.766		0.85	1	14.182			
			C	0.151	2.766		0.85	1	14.182			
T3	600.40	1441.29	Α	0.18	2.664	35	0.85	1	17.129	2372.90	118.65	C
220.00-200.00			В	0.18	2.664		0.85	1	17.129			
			C	0.18	2.664		0.85	1	17.129			
T4	600.40	1496.69	Α	0.157	2.745	35	0.85	1	18.046	2438.84	121.94	C
200.00-180.00			В	0.157	2.745		0.85	1	18.046			
			C	0.157	2.745		0.85	1	18.046			
T5	600.40	1997.92	Α	0.169	2.702	34	0.85	1	22.494	2706.80	135.34	C
180.00-160.00			В	0.169	2.702		0.85	1	22.494			
			C	0.169	2.702		0.85	1	22.494			

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Proje	ect NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
Clier	VB BTS III, LLC	Designed by AJK

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a			•						Face
			c			psf						
ft	lb	lb	e						ft ²	lb	plf	
T6	600.40	2709.25	Α	0.179	2.668	33	0.85	1	25.967	2875.24	143.76	С
160.00-140.00			В	0.179	2.668		0.85	1	25.967			
			C	0.179	2.668		0.85	1	25.967			
T7	600.40	2789.64	Α	0.166	2.714	32	0.85	1	27.191	2913.51	145.68	C
140.00-120.00			В	0.166	2.714		0.85	1	27.191			
			C	0.166	2.714		0.85	1	27.191			
T8	600.40	2772.33	Α	0.146	2.786	31	0.85	1	26.595	2820.11	141.01	C
120.00-100.00			В	0.146	2.786		0.85	1	26.595			
			C	0.146	2.786		0.85	1	26.595			
T9	600.40	3386.94	Α	0.143	2.796	30	0.85	1	30.698	2999.84	149.99	C
100.00-80.00			В	0.143	2.796		0.85	1	30.698			
			C	0.143	2.796		0.85	1	30.698			
T10	600.40	4308.96	Α	0.15	2.771	28	0.85	1	35.323	3133.74	156.69	C
80.00-60.00			В	0.15	2.771		0.85	1	35.323			
			C	0.15	2.771		0.85	1	35.323			
T11	600.40	4580.17	Α	0.15	2.772	26	0.85	1	40.261	3226.02	161.30	C
60.00-40.00			В	0.15	2.772		0.85	1	40.261			
			C	0.15	2.772		0.85	1	40.261			
T12	600.40	4766.17	Α	0.144	2.794	24	0.85	1	42.913	3062.67	153.13	C
40.00-20.00			В	0.144	2.794		0.85	1	42.913			
			C	0.144	2.794		0.85	1	42.913			
T13	600.40	5016.67	Α	0.141	2.805	20	0.85	1	46.379	2827.50	141.38	C
20.00-0.00			В	0.141	2.805		0.85	1	46.379			
			C	0.141	2.805		0.85	1	46.379			
Sum Weight:	7192.62	36669.84						OTM	4055799.7	34523.28		
									9 lb-ft			

Tower Forces - With Ice - Wind Normal To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a									Face
		_	c			psf						
ft	lb	lb	e						ft^2	lb	plf	
T1	338.02	1641.69	Α	0.298	2.302	3	1	1	22.045	156.42	10.22	C
255.30-240.00			В	0.298	2.302		1	1	22.045			
			C	0.298	2.302		1	1	22.045			
T2	1494.19	2373.81	Α	0.282	2.345	3	1	1	27.032	256.30	12.82	C
240.00-220.00			В	0.282	2.345		1	1	27.032			
			C	0.282	2.345		1	1	27.032			
T3	1846.47	3089.98	Α	0.296	2.306	3	1	1	31.753	295.44	14.77	C
220.00-200.00			В	0.296	2.306		1	1	31.753			
			C	0.296	2.306		1	1	31.753			
T4	1835.93	3245.91	Α	0.262	2.402	3	1	1	33.311	305.31	15.27	C
200.00-180.00			В	0.262	2.402		1	1	33.311			
			C	0.262	2.402		1	1	33.311			
T5	1824.38	4166.03	Α	0.264	2.396	3	1	1	40.123	335.94	16.80	C
180.00-160.00			В	0.264	2.396		1	1	40.123			
			C	0.264	2.396		1	1	40.123			
T6	1811.57	5169.39	Α	0.265	2.393	3	1	1	46.065	359.11	17.96	C
160.00-140.00			В	0.265	2.393		1	1	46.065			
			C	0.265	2.393		1	1	46.065			
T7	1797.17	5364.01	Α	0.247	2.445	3	1	1	48.229	365.21	18.26	C
140.00-120.00			В	0.247	2.445		1	1	48.229			
			C	0.247	2.445		1	1	48.229			

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Proje	ect NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
Clier	VB BTS III, LLC	Designed by AJK

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a									Face
			c			psf			_			
ft	lb	lb	e						ft ²	lb	plf	
T8	1780.69	5181.53	Α	0.209	2.567	3	1	1	45.533	349.87	17.49	C
120.00-100.00			В	0.209	2.567		1	1	45.533			
			C	0.209	2.567		1	1	45.533			
T9	1761.34	6112.88	Α	0.201	2.591	2	1	1	50.839	365.44	18.27	C
100.00-80.00			В	0.201	2.591		1	1	50.839			
			C	0.201	2.591		1	1	50.839			
T10	1737.78	7291.21	Α	0.203	2.585	2	1	1	57.111	377.05	18.85	C
80.00-60.00			В	0.203	2.585		1	1	57.111			
			C	0.203	2.585		1	1	57.111			
T11	1707.37	8031.73	Α	0.212	2.556	2	1	1	66.568	391.55	19.58	C
60.00-40.00			В	0.212	2.556		1	1	66.568			
			C	0.212	2.556		1	1	66.568			
T12	1663.56	8251.14	Α	0.201	2.591	2	1	1	69.701	367.79	18.39	C
40.00-20.00			В	0.201	2.591		1	1	69.701			
			C	0.201	2.591		1	1	69.701			
T13	1578.16	8343.77	Α	0.191	2.627	2	1	1	72.799	331.61	16.58	C
20.00-0.00			В	0.191	2.627		1	1	72.799			
			C	0.191	2.627		1	1	72.799			
Sum Weight:	21176.65	68263.08						OTM	507889.23	4257.05		
									lb-ft			

Tower Forces - With Ice - Wind 60 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a			_						Face
			c			psf						
ft	lb	lb	e						ft ²	lb	plf	
T1	338.02	1641.69	Α	0.298	2.302	3	0.8	1	20.433	146.96	9.61	A
255.30-240.00			В	0.298	2.302		0.8	1	20.433			
			C	0.298	2.302		0.8	1	20.433			
T2	1494.19	2373.81	Α	0.282	2.345	3	0.8	1	25.254	245.83	12.29	Α
240.00-220.00			В	0.282	2.345		0.8	1	25.254			
			C	0.282	2.345		0.8	1	25.254			
T3	1846.47	3089.98	Α	0.296	2.306	3	0.8	1	29.909	284.96	14.25	C
220.00-200.00			В	0.296	2.306		0.8	1	29.909			
			C	0.296	2.306		0.8	1	29.909			
T4	1835.93	3245.91	Α	0.262	2.402	3	0.8	1	31.227	293.24	14.66	C
200.00-180.00			В	0.262	2.402		0.8	1	31.227			
			C	0.262	2.402		0.8	1	31.227			
T5	1824.38	4166.03	Α	0.264	2.396	3	0.8	1	37.231	319.61	15.98	C
180.00-160.00			В	0.264	2.396		0.8	1	37.231			
			C	0.264	2.396		0.8	1	37.231			
T6	1811.57	5169.39	Α	0.265	2.393	3	0.8	1	42.894	341.70	17.09	C
160.00-140.00			В	0.265	2.393		0.8	1	42.894			
			C	0.265	2.393		0.8	1	42.894			
T7	1797.17	5364.01	Α	0.247	2.445	3	0.8	1	44.721	346.11	17.31	C
140.00-120.00			В	0.247	2.445		0.8	1	44.721			
			C	0.247	2.445		0.8	1	44.721			
Т8	1780.69	5181.53	A	0.209	2.567	3	0.8	1	42.100	330.92	16.55	C
120.00-100.00			В	0.209	2.567		0.8	1	42.100			
			C	0.209	2.567		0.8	1	42.100			
Т9	1761.34	6112.88	Α	0.201	2.591	2	0.8	1	46.430	341.91	17.10	C
100.00-80.00			В	0.201	2.591		0.8	1	46.430			
]			C	0.201	2.591		0.8	1	46.430			

Nello Corporation 1201 S. Sheridan Street South Bend, IN 46619 Phone: 800-806-3556 FAX:

Job		Page
	SO33397; Tower 795605; Foundation 795606	18 of 52
Proje	ct	Date
	NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Clien		Designed by
	VB BTS III, LLC	AJK

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a									Face
			С			psf						
ft	lb	lb	e						ft ²	lb	plf	
T10	1737.78	7291.21	Α	0.203	2.585	2	0.8	1	52.337	352.93	17.65	C
80.00-60.00			В	0.203	2.585		0.8	1	52.337			
			C	0.203	2.585		0.8	1	52.337			
T11	1707.37	8031.73	Α	0.212	2.556	2	0.8	1	60.630	363.92	18.20	C
60.00-40.00			В	0.212	2.556		0.8	1	60.630			
			C	0.212	2.556		0.8	1	60.630			
T12	1663.56	8251.14	Α	0.201	2.591	2	0.8	1	63.114	339.88	16.99	C
40.00-20.00			В	0.201	2.591		0.8	1	63.114			
			C	0.201	2.591		0.8	1	63.114			
T13	1578.16	8343.77	Α	0.191	2.627	2	0.8	1	65.384	304.05	15.20	C
20.00-0.00			В	0.191	2.627		0.8	1	65.384			
			C	0.191	2.627		0.8	1	65.384			
Sum Weight:	21176.65	68263.08						OTM	482388.58	4012.03		
									lb-ft			

Tower Forces - With Ice - Wind 90 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			С			psf						
ft	lb	lb	e						ft ²	lb	plf	
T1	338.02	1641.69	Α	0.298	2.302	3	0.85	1	20.836	147.99	9.67	В
255.30-240.00			В	0.298	2.302		0.85	1	20.836			
			C	0.298	2.302		0.85	1	20.836			
T2	1494.19	2373.81	Α	0.282	2.345	3	0.85	1	25.698	249.63	12.48	A
240.00-220.00			В	0.282	2.345		0.85	1	25.698			
			C	0.282	2.345		0.85	1	25.698			
T3	1846.47	3089.98	Α	0.296	2.306	3	0.85	1	30.370	287.58	14.38	C
220.00-200.00			В	0.296	2.306		0.85	1	30.370			
			C	0.296	2.306		0.85	1	30.370			
T4	1835.93	3245.91	Α	0.262	2.402	3	0.85	1	31.748	296.26	14.81	C
200.00-180.00			В	0.262	2.402		0.85	1	31.748			
			C	0.262	2.402		0.85	1	31.748			
T5	1824.38	4166.03	Α	0.264	2.396	3	0.85	1	37.954	323.69	16.18	C
180.00-160.00			В	0.264	2.396		0.85	1	37.954			
			C	0.264	2.396		0.85	1	37.954			
T6	1811.57	5169.39	Α	0.265	2.393	3	0.85	1	43.687	346.05	17.30	C
160.00-140.00			В	0.265	2.393		0.85	1	43.687			
			C	0.265	2.393		0.85	1	43.687			
T7	1797.17	5364.01	Α	0.247	2.445	3	0.85	1	45.598	350.89	17.54	C
140.00-120.00			В	0.247	2.445		0.85	1	45.598			
			C	0.247	2.445		0.85	1	45.598			
T8	1780.69	5181.53	Α	0.209	2.567	3	0.85	1	42.958	335.66	16.78	C
120.00-100.00			В	0.209	2.567		0.85	1	42.958			
			C	0.209	2.567		0.85	1	42.958			
Т9	1761.34	6112.88	Α	0.201	2.591	2	0.85	1	47.533	347.79	17.39	C
100.00-80.00			В	0.201	2.591		0.85	1	47.533			
			C	0.201	2.591		0.85	1	47.533			
T10	1737.78	7291.21	Α	0.203	2.585	2	0.85	1	53.530	358.96	17.95	C
80.00-60.00			В	0.203	2.585		0.85	1	53.530			
			C	0.203	2.585		0.85	1	53.530			
T11	1707.37	8031.73	Α	0.212	2.556	2	0.85	1	62.115	370.83	18.54	C
60.00-40.00			В	0.212	2.556		0.85	1	62.115			
			C	0.212	2.556		0.85	1				
		•	•			, ,		•	•			

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Job	Page
SO33397; Tower 795605; Foundation 795606	19 of 52
Project	Date
NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client VB BTS III, LLC	Designed by AJK

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			С			psf						
ft	lb	lb	e						ft^2	lb	plf	
T12	1663.56	8251.14	Α	0.201	2.591	2	0.85	1	64.761	346.86	17.34	C
40.00-20.00			В	0.201	2.591		0.85	1	64.761			
			C	0.201	2.591		0.85	1	64.761			
T13	1578.16	8343.77	Α	0.191	2.627	2	0.85	1	67.237	310.94	15.55	C
20.00-0.00			В	0.191	2.627		0.85	1	67.237			
			C	0.191	2.627		0.85	1	67.237			
Sum Weight:	21176.65	68263.08						OTM	488705.25	4073.13		
Ů									lb-ft			

Tower Forces - Service - Wind Normal To Face

Section	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a									Face
			С			psf						
ft	lb	lb	е						ft ²	lb	plf	
T1	105.90	454.80	Α	0.138	2.817	12	1	1	11.490	397.03	25.95	C
255.30-240.00			В	0.138	2.817		1	1	11.490			
			C	0.138	2.817		1	1	11.490			
T2	482.32	949.02	Α	0.151	2.766	12	1	1	15.516	702.68	35.13	C
240.00-220.00			В	0.151	2.766		1	1	15.516			
			C	0.151	2.766		1	1	15.516			
T3	600.40	1441.29	Α	0.18	2.664	12	1	1	19.827	845.63	42.28	C
220.00-200.00			В	0.18	2.664		1	1	19.827			
			C	0.18	2.664		1	1	19.827			
T4	600.40	1496.69	Α	0.157	2.745	11	1	1	20.969	873.76	43.69	C
200.00-180.00			В	0.157	2.745		1	1	20.969			
			C	0.157	2.745		1	1	20.969			
T5	600.40	1997.92	Α	0.169	2.702	11	1	1	27.026	999.24	49.96	C
180.00-160.00			В	0.169	2.702		1	1	27.026			
			C	0.169	2.702		1	1	27.026			
T6	600.40	2709.25	Α	0.179	2.668	11	1	1	31.114	1064.89	53.24	C
160.00-140.00			В	0.179	2.668		1	1	31.114			
			C	0.179	2.668		1	1	31.114			
T7	600.40	2789.64	Α	0.166	2.714	10	1	1	32.778	1086.40	54.32	C
140.00-120.00			В	0.166	2.714		1	1	32.778			
			С	0.166	2.714		1	1	32.778			
Т8	600.40	2772.33	Α	0.146	2.786	10	1	1	32.390	1059.64	52.98	C
120.00-100.00			В	0.146	2.786		1	1	32.390			
			С	0.146	2.786		1	1	32.390			
Т9	600.40	3386.94	Α	0.143	2.796	10	1	1	37.363	1133.12	56.66	C
100.00-80.00			В	0.143	2.796		1	1	37.363			
			C	0.143	2.796	_	1	1	37.363			
T10	600.40	4308.96	Α	0.15	2.771	9	1	1	41.609	1159.43	57.97	C
80.00-60.00			В	0.15	2.771		1	1	41.609			
			C	0.15	2.771	_	1	1	41.609			
T11	600.40	4580.17	A	0.15	2.772	9	1	1	47.700	1203.62	60.18	C
60.00-40.00			В	0.15	2.772		1	1	47.700			
			C	0.15	2.772		1	1	47.700			-
T12	600.40	4766.17	A	0.144	2.794	8	1	1	51.296	1153.23	57.66	C
40.00-20.00			В	0.144	2.794		1	1	51.296			
		#015 F	C	0.144	2.794		1	1	51.296	40-40-		_
T13	600.40	5016.67	A	0.141	2.805	7	1	1	55.934	1074.98	53.75	C
20.00-0.00			В	0.141	2.805		1	1	55.934			
			C	0.141	2.805		1	1	55.934	I		

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Proj	ect NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
Clie	VB BTS III, LLC	Designed by AJK

Section Elevation	Add Weight	Self Weight	F a	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl. Face
ft	lb	lb	c e			psf			ft²	lb	plf	Tucc
Sum Weight:	7192.62	36669.84	-					OTM	1479600.4 8 lb-ft	12753.63	T J	

Tower Forces - Service - Wind 60 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	a									Face
			С			psf			_			
ft	lb	lb	e						ft ²	lb	plf	
T1	105.90	454.80	A	0.138	2.817	12	0.8	1	9.878	350.71	22.92	Α
255.30-240.00			В	0.138	2.817		0.8	1	9.878			
			C	0.138	2.817		0.8	1	9.878			
T2	482.32	949.02	Α	0.151	2.766	12	0.8	1	13.737	653.26	32.66	Α
240.00-220.00			В	0.151	2.766		0.8	1	13.737			
			C	0.151	2.766		0.8	1	13.737			
T3	600.40	1441.29	A	0.18	2.664	12	0.8	1	17.982	797.22	39.86	C
220.00-200.00			В	0.18	2.664		0.8	1	17.982			
			C	0.18	2.664		0.8	1	17.982			~
T4	600.40	1496.69	A	0.157	2.745	11	0.8	1	18.885	818.57	40.93	C
200.00-180.00			В	0.157	2.745		0.8	1	18.885			
			C	0.157	2.745		0.8	1	18.885			~
T5	600.40	1997.92	A	0.169	2.702	11	0.8	1	24.133	925.59	46.28	C
180.00-160.00			В	0.169	2.702		0.8	1	24.133			
m.	600.40	2700 27	C	0.169	2.702		0.8	1	24.133	007.04	40.26	
T6	600.40	2709.25	A	0.179	2.668	11	0.8	1	27.943	987.24	49.36	С
160.00-140.00			В	0.179	2.668		0.8	1	27.943			
T.7	600.40	2700 (4	C	0.179	2.668	10	0.8	1	27.943	1001 (2	50.00	G
T7	600.40	2789.64	A	0.166	2.714	10	0.8	1	29.270	1001.62	50.08	С
140.00-120.00			В	0.166	2.714		0.8	1	29.270			
TT-O	600.40	2772 22	C	0.166	2.714	10	0.8	1	29.270	077.41	40.07	G
T8 120.00-100.00	600.40	2772.33	A	0.146	2.786	10	0.8	1	28.957	977.41	48.87	С
120.00-100.00			В	0.146	2.786		0.8	1	28.957			
Т9	600.40	3386.94	C	0.146 0.143	2.786 2.796	10	0.8 0.8	1	28.957	1021 52	51.58	С
100.00-80.00	600.40	3380.94	A B	0.143	2.796	10	0.8	1 1	32.954 32.954	1031.53	31.38	C
100.00-80.00			С	0.143	2.796		0.8	1	32.954			
T10	600.40	4308.96	A	0.143	2.790	9	0.8	1	36.835	1056.01	52.80	С
80.00-60.00	000.40	4306.90	B	0.13	2.771	9	0.8	1	36.835	1036.01	32.80	C
80.00-00.00			С	0.15	2.771		0.8	1	36.835			
T11	600.40	4580.17	A	0.15	2.772	9	0.8	1	41.762	1083.72	54.19	С
60.00-40.00	000.40	4360.17	В	0.15	2.772	,	0.8	1	41.762	1005.72	34.19	C
00.00-40.00			C	0.15	2.772		0.8	1	41.762			
T12	600.40	4766.17	A	0.13	2.794	8	0.8	1	44.709	1032.88	51.64	С
40.00-20.00	000.40	4700.17	В	0.144	2.794	0	0.8	1	44.709	1032.00	31.04	
40.00-20.00			С	0.144	2.794		0.8	1	44.709			
T13	600.40	5016.67	A	0.144	2.805	7	0.8	1	48.519	957.24	47.86	C
20.00-0.00	000.40	3010.07	В	0.141	2.805	· /	0.8	1	48.519	751.24	77.00	
20.00 0.00			C	0.141	2.805		0.8	1	48.519			
Sum Weight:	7192.62	36669.84		0.171	2.003		0.0	OTM	1364713.1	11673.00		
Built Weight.	1172.02	50005.04						O I IVI	8 lb-ft	110/5.00		
									0 IU-II			

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Proje	ct	Date
	NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Clien		Designed by
	VB BTS III, LLC	AJK

Tower Forces - Service - Wind 90 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			С			psf						
ft	lb	lb	e						ft ²	lb	plf	
T1	105.90	454.80	Α	0.138	2.817	12	0.85	1	10.281	356.95	23.33	В
255.30-240.00			В	0.138	2.817		0.85	1	10.281			
			С	0.138	2.817		0.85	1	10.281			
T2	482.32	949.02	Α	0.151	2.766	12	0.85	1	14.182	670.34	33.52	A
240.00-220.00			В	0.151	2.766		0.85	1	14.182			
			C	0.151	2.766		0.85	1	14.182			
T3	600.40	1441.29	A	0.18	2.664	12	0.85	1	18.443	809.32	40.47	С
220.00-200.00			В	0.18	2.664		0.85	1	18.443			
			C	0.18	2.664		0.85	1	18.443			
T4	600.40	1496.69	Α	0.157	2.745	11	0.85	1	19.406	832.37	41.62	С
200.00-180.00			В	0.157	2.745		0.85	1	19.406			
			C	0.157	2.745		0.85	1	19.406			
T5	600.40	1997.92	A	0.169	2.702	11	0.85	1	24.856	944.00	47.20	С
180.00-160.00			В	0.169	2.702		0.85	1	24.856			
			C	0.169	2.702		0.85	1	24.856			_
T6	600.40	2709.25	A	0.179	2.668	11	0.85	1	28.736	1006.66	50.33	С
160.00-140.00			В	0.179	2.668		0.85	1	28.736			
			C	0.179	2.668		0.85	1	28.736			_
T7	600.40	2789.64	A	0.166	2.714	10	0.85	1	30.147	1022.81	51.14	С
140.00-120.00			В	0.166	2.714		0.85	1	30.147			
			C	0.166	2.714		0.85	1	30.147			_
T8	600.40	2772.33	A	0.146	2.786	10	0.85	1	29.815	997.97	49.90	С
120.00-100.00			В	0.146	2.786		0.85	1	29.815			
			C	0.146	2.786		0.85	1	29.815			_
T9	600.40	3386.94	A	0.143	2.796	10	0.85	1	34.056	1056.93	52.85	С
100.00-80.00			В	0.143	2.796		0.85	1	34.056			
			C	0.143	2.796		0.85	1	34.056			_
T10	600.40	4308.96	A	0.15	2.771	9	0.85	1	38.028	1081.86	54.09	С
80.00-60.00			В	0.15	2.771		0.85	1	38.028			
	600.40	4500 15	C	0.15	2.771		0.85	1	38.028	1112 (0		
T11	600.40	4580.17	A	0.15	2.772	9	0.85	1	43.247	1113.69	55.68	С
60.00-40.00			В	0.15	2.772		0.85	1	43.247			
			C	0.15	2.772		0.85	1	43.247			_
T12	600.40	4766.17	A	0.144	2.794	8	0.85	1	46.356	1062.97	53.15	С
40.00-20.00			В	0.144	2.794		0.85	1	46.356			
		#016 C-	C	0.144	2.794	_	0.85	1	46.356	006.50	40.77	
T13	600.40	5016.67	A	0.141	2.805	7	0.85	1	50.373	986.68	49.33	С
20.00-0.00			В	0.141	2.805		0.85	1	50.373			
			С	0.141	2.805		0.85	1	50.373			
Sum Weight:	7192.62	36669.84						OTM	1393201.0	11942.55		
									4 lb-ft			

Mast Vectors - No Ice

Section	Section	Wind	Directionality	F	$V_{\scriptscriptstyle X}$	V_z	OTM_{x}	OTM_z	Torque
No.	Elevation	Azimuth							
	ft	0		lb	lb	lb	lb-ft	lb-ft	lb-ft
T1	255.30-240.00	0	Wind Normal	1215.89	0.00	-1215.89	-300892.36	0.00	0.00
		30	Wind 90	1093.17	546.58	-946.71	-234229.72	-135361.38	200.11
		60	Wind 60	1025.02	887.70	-512.51	-126700.50	-219838.06	286.48

,	Job	Page
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	Project	Date
	NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
	Client	Designed by
	VB BTS III, LLC	AJK

Section	Section	Wind	Directionality	F	V_x	V_z	OTM_x	OTM_z	Torque
No.	Elevation ft	Azimuth °		lb	lb	lb	lb-ft	lb-ft	lb-ft
	Jı	90	Wind 90	1044.14	1044.14	0.00	223.07	-258582.22	296.09
		120	Wind Normal	1166.87	1010.54	583.43	144710.51	-250259.60	286.48
		150	Wind 90	1093.17	546.58	946.71	234675.85	-135361.38	200.11
		180	Wind 60	1074.05	0.00	1074.05	266210.72	0.00	0.00
		210	Wind 90	1093.17	-546.58	946.71	234675.85	135361.38	-200.11
		240	Wind Normal	1166.87	-1010.54	583.43	144710.51	250259.60	-286.48
		270	Wind 90	1044.14	-1044.14	0.00	223.07	258582.22	-296.09
		300	Wind 60	1025.02	-887.70	-512.51	-126700.50	219838.06	-286.48
		330	Wind 90	1093.17	-546.58	-946.71	-234229.72	135361.38	-200.11
T2	240.00-220.00	0	Wind Normal	2151.94	0.00	-2151.94	-494803.00	-180.99	281.61
		30	Wind 90	2052.93	1026.46	-1777.89	-408769.45	-236267.37	505.79
		60	Wind 60	1995.79	1728.40	-997.89	-229371.20	-397713.27	310.37
		90	Wind 90	1999.83	1999.83	0.00	144.16	-460142.51	31.78
		120	Wind Normal	2098.85	1817.66	1049.43	241512.12	-418242.56	28.76
		150	Wind 90	2004.66	1002.33	1736.09	399443.91	-230716.81	18.04
		180	Wind 60	2000.61	0.00	2000.61	460285.01	-180.99	-281.61
		210	Wind 90	2052.93	-1026.46	1777.89	409057.77	235905.39	-505.79
		240	Wind Normal	2147.12	-1859.46	1073.56	247062.69	427494.44	-310.37
		270	Wind 90	1999.83	-1999.83	0.00	144.16	459780.53	-31.78
		300	Wind 60	1947.52	-1686.60	-973.76	-223820.64	387737.43	-28.76
Т3	220.00-200.00	330	Wind 90 Wind Normal	2004.66 2484.09	-1002.33	-1736.09 -2484.09	-399155.59	230354.83	-18.04 0.00
13	220.00-200.00	0 30	Wind 90	2372.90	0.00 1186.45	-2484.09	-521638.88 -431527.46	0.00 -249154.58	222.02
		60	Wind 60	2372.90	2022.89	-2034.99	-245241.87	-249134.38 -424807.64	0.66
		90	Wind 90	2333.84	2372.90	0.00	20.93	-424807.04	-220.88
		120	Wind Normal	2484.09	2151.29	1242.05	260850.84	-498309.17 -451770.65	0.66
		150	Wind 90	2372.90	1186.45	2054.99	431569.33	-249154.58	222.02
		180	Wind 60	2335.84	0.00	2335.84	490546.55	0.00	0.00
		210	Wind 90	2372.90	-1186.45	2054.99	431569.33	249154.58	-222.02
		240	Wind Normal	2484.09	-2151.29	1242.05	260850.84	451770.65	-0.66
		270	Wind 90	2372.90	-2372.90	0.00	20.93	498309.17	220.88
		300	Wind 60	2335.84	-2022.89	-1167.92	-245241.87	424807.64	-0.66
		330	Wind 90	2372.90	-1186.45	-2054.99	-431527.46	249154.58	-222.02
T4	200.00-180.00	0	Wind Normal	2565.60	0.00	-2565.60	-487438.34	0.00	0.00
		30	Wind 90	2438.84	1219.42	-2112.10	-401273.90	-231690.18	257.61
		60	Wind 60	2396.59	2075.51	-1198.30	-227651.04	-394346.93	0.78
		90	Wind 90	2438.84	2438.84	0.00	25.26	-463380.36	-256.27
		120	Wind Normal	2565.60	2221.87	1282.80	243757.07	-422155.87	0.78
		150	Wind 90	2438.84	1219.42	2112.10	401324.43	-231690.18	257.61
		180	Wind 60	2396.59	0.00	2396.59	455377.88	0.00	0.00
		210	Wind 90	2438.84	-1219.42	2112.10	401324.43	231690.18	-257.61
		240	Wind Normal	2565.60	-2221.87	1282.80	243757.07	422155.87	-0.78
		270	Wind 90	2438.84	-2438.84	0.00	25.26	463380.36	256.27
		300	Wind 60	2396.59	-2075.51	-1198.30	-227651.04	394346.93	-0.78
		330	Wind 90	2438.84	-1219.42	-2112.10	-401273.90	231690.18	-257.61
T5	180.00-160.00	0	Wind Normal	2875.97	0.00	-2875.97	-488885.70	0.00	0.00
		30	Wind 90	2706.80	1353.40	-2344.16	-398477.58	-230078.22	290.95
		60	Wind 60	2650.41	2295.32	-1325.21	-225255.49	-390205.21	0.89
		90	Wind 90	2706.80	2706.80	0.00	29.59	-460156.45	-289.41
		120	Wind Normal	2875.97	2490.67	1437.99	244487.24	-423413.07	0.89
		150	Wind 90 Wind 60	2706.80	1353.40	2344.16 2650.41	398536.77	-230078.22	290.95
		180 210	Wind 90	2650.41 2706.80	0.00	2650.41	450599.76	0.00 230078.22	0.00 -290.95
					-1353.40		398536.77		
		240 270	Wind Normal Wind 90	2875.97	-2490.67 -2706.80	1437.99 0.00	244487.24 29.59	423413.07 460156.45	-0.89 289.41
		300	Wind 90 Wind 60	2706.80 2650.41	-2706.80 -2295.32	-1325.21	-225255.49	390205.21	-0.89
		330	Wind 90	2706.80	-1353.40	-1323.21	-398477.58	230078.22	-290.95
Т6	160.00-140.00	0	Wind Normal	3053.58	0.00	-2344.16	-398477.38 -458003.61	0.00	-290.93
10	100.00-140.00	30	Wind 90	2875.24	1437.62	-2490.03	-373470.13	-215642.67	321.66
		60	Wind 60	2815.79	2438.54	-1407.89	-211150.05	-365781.36	0.99

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Proj	<u> </u>	Date 16:33:19 08/11/25
Clier	VB BTS III, LLC	Designed by AJK

Section	Section	Wind	Directionality	F	V_x	V_z	OTM_x	OTM_z	Torque
No.	Elevation	Azimuth		11	11	11	11	11. 6	11. C
	ft	120	W: 4 N1	<i>lb</i> 3053.58	lb	lb	lb-ft	lb-ft	<i>lb-ft</i> 0.99
		120 150	Wind Normal Wind 90	2875.24	2644.48 1437.62	1526.79 2490.03	229052.69 373537.98	-396672.14 -215642.67	321.66
		180	Wind 60	2815.79	0.00	2815.79	422401.86	0.00	0.00
		210	Wind 90	2875.24	-1437.62	2490.03	373537.98	215642.67	-321.66
		240	Wind Normal	3053.58	-2644.48	1526.79	229052.69	396672.14	-0.99
		270	Wind 90	2875.24	-2875.24	0.00	33.92	431285.34	319.94
		300	Wind 60	2815.79	-2438.54	-1407.89	-211150.05	365781.37	-0.99
		330	Wind 90	2875.24	-1437.62	-2490.03	-373470.13	215642.67	-321.66
T7	140.00-120.00	0	Wind Normal	3108.25	0.00	-3108.25	-404034.80	0.00	0.00
		30	Wind 90	2913.51	1456.76	-2523.18	-327974.82	-189378.43	349.25
		60 90	Wind 60 Wind 90	2848.60	2466.96	-1424.30 0.00	-185120.82	-320704.92	1.08 -347.37
		120	Wind Normal	2913.51 3108.25	2913.51 2691.83	1554.13	38.25 202074.78	-378756.87 -349937.53	1.08
		150	Wind 90	2913.51	1456.76	2523.18	328051.32	-189378.43	349.25
		180	Wind 60	2848.60	0.00	2848.60	370356.39	0.00	0.00
		210	Wind 90	2913.51	-1456.76	2523.18	328051.32	189378.43	-349.25
		240	Wind Normal	3108.25	-2691.83	1554.13	202074.78	349937.53	-1.08
		270	Wind 90	2913.51	-2913.51	0.00	38.25	378756.87	347.37
		300	Wind 60	2848.60	-2466.96	-1424.30	-185120.82	320704.92	-1.08
		330	Wind 90	2913.51	-1456.76	-2523.18	-327974.82	189378.43	-349.25
T8	120.00-100.00	0	Wind Normal	3008.99	0.00	-3008.99	-330945.75	0.00	0.00
		30	Wind 90	2820.11	1410.05	-2442.29	-268608.20	-155106.02	379.01
		60	Wind 60	2757.15	2387.76	-1378.57	-151599.88	-262653.70	1.19
		90	Wind 90	2820.11	2820.11	0.00	43.31	-310212.04	-376.96
		120	Wind Normal Wind 90	3008.99 2820.11	2605.86	1504.50 2442.29	165537.83	-286644.93	1.19 379.01
		150 180	Wind 60	2757.15	1410.05 0.00	2757.15	268694.81 303329.67	-155106.02 0.00	0.00
		210	Wind 90	2820.11	-1410.05	2442.29	268694.81	155106.02	-379.01
		240	Wind Normal	3008.99	-2605.86	1504.50	165537.83	286644.93	-1.19
		270	Wind 90	2820.11	-2820.11	0.00	43.31	310212.04	376.96
		300	Wind 60	2757.15	-2387.76	-1378.57	-151599.88	262653.70	-1.19
		330	Wind 90	2820.11	-1410.05	-2442.29	-268608.20	155106.02	-379.01
Т9	100.00-80.00	0	Wind Normal	3233.16	0.00	-3233.16	-290935.74	0.00	0.00
		30	Wind 90	2999.84	1499.92	-2597.94	-233765.58	-134992.95	409.17
		60	Wind 60	2922.07	2530.59	-1461.03	-131444.06	-227752.79	1.29
		90	Wind 90	2999.84	2999.84	0.00	49.08	-269985.91	-406.94
		120	Wind Normal	3233.16	2800.00	1616.58	145541.49	-252000.24	1.29
		150	Wind 90	2999.84	1499.92	2597.94	233863.73	-134992.95	409.17
		180	Wind 60 Wind 90	2922.07 2999.84	0.00 -1499.92	2922.07 2597.94	263035.35	0.00 134992.95	0.00 -409.17
		210 240	Wind Normal	3233.16	-1499.92	1616.58	233863.73 145541.49	252000.24	-409.17
		270	Wind 90	2999.84	-2999.84	0.00	49.08	269985.91	406.94
		300	Wind 60	2922.07	-2530.59	-1461.03	-131444.06	227752.79	-1.29
		330	Wind 90	2999.84	-1499.92	-2597.94	-233765.58	134992.95	-409.17
T10	80.00-60.00	0	Wind Normal	3371.28	0.00	-3371.28	-235934.81	0.00	0.00
		30	Wind 90	3133.74	1566.87	-2713.90	-189918.20	-109680.99	431.55
		60	Wind 60	3054.56	2645.33	-1527.28	-106854.86	-185173.06	1.36
		90	Wind 90	3133.74	3133.74	0.00	54.85	-219361.99	-429.18
		120	Wind Normal	3371.28	2919.61	1685.64	118049.69	-204373.05	1.36
		150	Wind 90	3133.74	1566.87	2713.90	190027.91	-109680.99	431.55
		180	Wind 60	3054.56	0.00	3054.56	213874.28	0.00	0.00
		210	Wind 90	3133.74	-1566.87	2713.90	190027.91	109680.99	-431.55
		240	Wind Normal	3371.28	-2919.61	1685.64	118049.69	204373.05	-1.36
		270 300	Wind 90 Wind 60	3133.74 3054.56	-3133.74 -2645.33	0.00 -1527.28	54.85 -106854.86	219361.99 185173.06	429.18 -1.36
		330	Wind 90	3133.74	-2045.33 -1566.87	-1327.28	-100854.86	109680.99	-1.36 -431.55
T11	60.00-40.00	0	Wind Normal	3501.41	0.00	-3501.41	-175009.84	0.00	0.00
	55.55 10.00	30	Wind 90	3226.02	1613.01	-2793.82	-139630.17	-80650.52	442.53
		60	Wind 60	3134.22	2714.32	-1567.11	-78294.99	-135715.90	1.41
		90	Wind 90	3226.02	3226.02	0.00	60.63	-161301.04	-440.10
		20	** III G > O I						

Nello Corporation 1201 S. Sheridan Street South Bend, IN 46619 Phone: 800-806-3556 FAX:

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Pro	ject NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
Clie	vb BTS III, LLC	Designed by AJK

Section	Section	Wind	Directionality	F	V_x	V_z	OTM_x	OTM_z	Torque
No.	Elevation	Azimuth							
	ft	٥		lb	lb	lb	lb-ft	lb-ft	lb-ft
		150	Wind 90	3226.02	1613.01	2793.82	139751.42	-80650.52	442.53
		180	Wind 60	3134.22	0.00	3134.22	156771.85	0.00	0.00
		210	Wind 90	3226.02	-1613.01	2793.82	139751.42	80650.52	-442.53
		240	Wind Normal	3501.41	-3032.31	1750.70	87595.86	151615.47	-1.41
		270	Wind 90	3226.02	-3226.02	0.00	60.63	161301.04	440.10
		300	Wind 60	3134.22	-2714.32	-1567.11	-78294.99	135715.90	-1.41
		330	Wind 90	3226.02	-1613.01	-2793.82	-139630.17	80650.52	-442.53
T12	40.00-20.00	0	Wind Normal	3339.10	0.00	-3339.10	-100106.47	0.00	0.00
		30	Wind 90	3062.67	1531.33	-2652.35	-79504.08	-45940.04	433.78
		60	Wind 60	2970.53	2572.55	-1485.26	-44491.50	-77176.55	1.38
		90	Wind 90	3062.67	3062.67	0.00	66.40	-91880.07	-431.38
		120	Wind Normal	3339.10	2891.74	1669.55	50152.83	-86752.25	1.38
		150	Wind 90	3062.67	1531.33	2652.35	79636.88	-45940.04	433.78
		180	Wind 60	2970.53	0.00	2970.53	89182.21	0.00	0.00
		210	Wind 90	3062.67	-1531.33	2652.35	79636.88	45940.04	-433.78
		240	Wind Normal	3339.10	-2891.74	1669.55	50152.83	86752.25	-1.38
		270	Wind 90	3062.67	-3062.67	0.00	66.40	91880.07	431.38
		300	Wind 60	2970.53	-2572.55	-1485.26	-44491.50	77176.55	-1.38
		330	Wind 90	3062.67	-1531.33	-2652.35	-79504.08	45940.04	-433.78
T13	20.00-0.00	0	Wind Normal	3097.93	0.00	-3097.93	-30907.13	0.00	0.00
		30	Wind 90	2827.50	1413.75	-2448.69	-24414.74	-14137.52	406.84
		60	Wind 60	2737.36	2370.63	-1368.68	-13614.64	-23706.26	1.30
		90	Wind 90	2827.50	2827.50	0.00	72.17	-28275.05	-404.59
		120	Wind Normal	3097.93	2682.89	1548.97	15561.83	-26828.87	1.30
		150	Wind 90	2827.50	1413.75	2448.69	24559.08	-14137.52	406.84
		180	Wind 60	2737.36	0.00	2737.36	27445.80	0.00	0.00
		210	Wind 90	2827.50	-1413.75	2448.69	24559.08	14137.52	-406.84
		240	Wind Normal	3097.93	-2682.89	1548.97	15561.83	26828.87	-1.30
		270	Wind 90	2827.50	-2827.50	0.00	72.17	28275.05	404.59
		300	Wind 60	2737.36	-2370.63	-1368.68	-13614.64	23706.26	-1.30
		330	Wind 90	2827.50	-1413.75	-2448.69	-24414.74	14137.52	-406.84

Mast Totals - No Ice

Wind	V_x	V_z	OTM_x	OTM_z	Torque
Azimuth					
0	lb	lb	lb-ft	lb-ft	lb-ft
0	0.00	-37007.21	-4319536.43	-180.99	281.61
30	17261.64	-29898.04	-3511564.02	-2028080.88	4650.27
60	29136.50	-16821.97	-1976790.90	-3425575.65	609.16
90	34421.16	0.00	861.63	-4031629.00	-3595.17
120	31960.75	18452.55	2148884.77	-3720666.21	327.56
150	17237.51	29856.24	3503673.42	-2022530.32	4162.52
180	0.00	33697.78	3969417.33	-180.99	-281.61
210	-17261.64	29898.04	3513287.28	2027718.90	-4650.27
240	-32002.55	18476.68	2154435.34	3729918.09	-609.16
270	-34421.16	0.00	861.63	4031267.02	3595.17
300	-29094.70	-16797.83	-1971240.33	3415599.81	-327.56
330	-17237.51	-29856.24	-3501950.16	2022168.34	-4162.52

Mast Vectors - With Ice

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	Project NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
	VB BTS III, LLC	Designed by AJK

Section	Section	Wind	Directionality	F	V_x	V_z	OTM_x	OTM_z	Torque
No.	Elevation ft	Azimuth °		lb	lb	lb	lb-ft	lb-ft	lb-ft
T1	255.30-240.00	0	Wind Normal	156.42	0.00	-156.42	-38029.04	0.00	0.00
	200.000 2 .0.00	30	Wind 90	147.99	74.00	-128.17	-31030.97	-18325.22	26.57
		60	Wind 60	142.96	123.81	-71.48	-16992.71	-30660.68	41.12
		90	Wind 90	143.99	143.99	0.00	709.24	-35659.38	44.65
		120	Wind Normal	152.42	132.00	76.21	19582.85	-32690.05	41.12
		150	Wind 90	147.99	74.00	128.17	32449.46	-18325.22	26.57
		180	Wind 60	146.96	0.00	146.96	37104.21	0.00	0.00
		210	Wind 90	147.99	-74.00	128.17	32449.46	18325.22	-26.57
		240	Wind Normal	152.42	-132.00	76.21	19582.85	32690.05	-41.12
		270	Wind 90	143.99	-143.99	0.00	709.24	35659.38	-44.65
		300	Wind 60	142.96	-123.81	-71.48	-16992.71	30660.68	-41.12
		330	Wind 90	147.99	-74.00	-128.17	-31030.97	18325.22	-26.57
T2	240.00-220.00	0	Wind Normal	256.30	0.00	-256.30	-58478.73	-554.82	31.40
		30	Wind 90	249.63	124.82	-216.19	-49252.15	-29262.68	58.35
		60	Wind 60	245.44	212.56	-122.72	-27754.26	-49442.97	46.48
		90	Wind 90	245.30	245.30	0.00	471.33	-56973.71	22.15
		120	Wind Normal	251.97	218.21	125.99	29447.94	-50743.78	15.08
		150	Wind 90	245.69	122.85	212.78	49410.01	-28809.57	3.97
		180	Wind 60	245.83	0.00	245.83	57013.13	-554.82	-31.40
		210	Wind 90	249.63	-124.82	216.19	50194.81	28153.05	-58.35
		240 270	Wind Normal Wind 90	255.91 245.30	-221.63 -245.30	127.96 0.00	29901.05	50418.95 55864.07	-46.48 -22.15
		300	Wind 60	243.30	-243.30	-120.75	471.33 -27301.15	47548.53	-15.08
		330	Wind 90	241.30	-209.14	-120.73	-27301.13 -48467.34	27699.94	-3.97
Т3	220.00-200.00	0	Wind Normal	295.44	0.00	-212.78	-61945.97	0.00	0.00
13	220.00-200.00	30	Wind 90	287.58	143.79	-249.05	-52205.11	-30195.83	25.57
		60	Wind 60	284.96	246.78	-142.48	-29825.24	-51824.43	12.95
		90	Wind 90	287.58	287.58	0.00	95.61	-60391.66	-3.14
		120	Wind Normal	295.44	255.86	147.72	31116.40	-53729.58	12.95
		150	Wind 90	287.58	143.79	249.05	52396.32	-30195.83	25.57
		180	Wind 60	284.96	0.00	284.96	59937.30	0.00	0.00
		210	Wind 90	287.58	-143.79	249.05	52396.32	30195.83	-25.57
		240	Wind Normal	295.44	-255.86	147.72	31116.40	53729.58	-12.95
		270	Wind 90	287.58	-287.58	0.00	95.61	60391.66	3.14
		300	Wind 60	284.96	-246.78	-142.48	-29825.24	51824.43	-12.95
		330	Wind 90	287.58	-143.79	-249.05	-52205.11	30195.83	-25.57
T4	200.00-180.00	0	Wind Normal	305.31	0.00	-305.31	-57895.86	0.00	0.00
		30	Wind 90	296.26	148.13	-256.57	-48634.41	-28144.68	29.74
		60	Wind 60	293.24	253.96	-146.62	-27744.39	-48251.47	15.15
		90	Wind 90	296.26	296.26	0.00	113.61	-56289.36	-3.50
		120	Wind Normal	305.31	264.41	152.66	29118.34	-50237.67	15.15
		150	Wind 90	296.26	148.13	256.57	48861.62	-28144.68	29.74
		180	Wind 60	293.24	0.00	293.24	55829.60	0.00	0.00
		210	Wind 90	296.26	-148.13	256.57	48861.62	28144.68	-29.74
		240	Wind Normal	305.31	-264.41	152.66	29118.34		-15.15
		270	Wind 90	296.26	-296.26	0.00	113.61	56289.36	3.50
		300	Wind 60	293.24	-253.96	-146.62	-27744.39	48251.47	-15.15
Т5	190.00.160.00	330	Wind Normal	296.26	-148.13	-256.57	-48634.41 56078.20	28144.68	-29.74
T5	180.00-160.00	30	Wind Normal Wind 90	335.94	0.00	-335.94	-56978.29	0.00 -27513.47	0.00
		60	Wind 60	323.69	161.84 276.79	-280.32 -159.80	-47523.92 27035.63	-27313.47 -47053.66	33.61 17.14
		90	Wind 90	319.61 323.69	323.69	0.00	-27035.63 130.81	-47033.66 -55026.94	-3.91
		120	Wind Normal	323.69	290.93	167.97	28685.36	-33026.94 -49457.93	-3.91 17.14
		150	Wind 90	323.69	161.84	280.32	47785.54	-49437.93	33.61
		180	Wind 60	319.61	0.00	319.61	54463.70	0.00	0.00
		210	Wind 90	323.69	-161.84	280.32	47785.54	27513.47	-33.61
		240	Wind Normal	335.94	-290.93	167.97	28685.36	49457.93	-17.14
		270	Wind 90	323.69	-323.69	0.00	130.81	55026.94	3.91
		300	Wind 60	319.61	-276.79	-159.80	-27035.63	47053.66	-17.14
		330	Wind 90	323.69	-161.84	-280.32	-47523.92	27513.47	-33.61
		.5.50	Willia 901	3∠.1.091	-101.0+1	-2.00	-4/JZJ-7/J	4/313.4/	7.7.() []

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3033397, Tower 733003, Foundation 733000	
Project	Date
NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client VB BTS III, LLC	Designed by AJK

Section	Section	Wind	Directionality	F	V_x	V_z	OTM_x	OTM_z	Torque
No.	Elevation ft	Azimuth °		lb	lb	lb	lb-ft	lb-ft	lb-ft
	Jı	30	Wind 90	346.05	173.03	-299.69	-44806.69	-25954.08	37.13
		60	Wind 60	341.70	295.92	-170.85	-25480.52	-44388.33	18.90
		90	Wind 90	346.05	346.05	0.00	147.10	-51908.16	-4.38
		120	Wind Normal	359.11	311.00	179.56	27080.57	-46650.14	18.90
		150	Wind 90	346.05	173.03	299.69	45100.88	-25954.08	37.13
		180	Wind 60	341.70	0.00	341.70	51402.32	0.00	0.00
		210	Wind 90	346.05	-173.03	299.69	45100.88	25954.08	-37.13
		240	Wind Normal	359.11	-311.00	179.56	27080.57	46650.14	-18.90
		270	Wind 90	346.05	-346.05	0.00	147.10	51908.16	4.38
		300	Wind 60	341.70	-295.92	-170.85	-25480.52	44388.33	-18.90
		330	Wind 90	346.05	-173.03	-299.69	-44806.69	25954.08	-37.13
T7	140.00-120.00	0	Wind Normal	365.21	0.00	-365.21	-47315.10	0.00	0.00
		30	Wind 90	350.89	175.44	-303.88	-39341.90	-22807.75	40.23
		60	Wind 60	346.11	299.74	-173.06	-22335.15	-38966.70	20.39
		90 120	Wind 90 Wind Normal	350.89 365.21	350.89 316.28	0.00	162.29	-45615.50	-4.91 20.39
		150	Wind 90	350.89	175.44	182.61 303.88	23900.98 39666.47	-41116.63	40.23
		180	Wind 60	346.11	0.00	346.11	45157.16	-22807.75 0.00	0.00
		210	Wind 90	350.89	-175.44	303.88	39666.47	22807.75	-40.23
		240	Wind Normal	365.21	-316.28	182.61	23900.98	41116.63	-20.39
		270	Wind 90	350.89	-350.89	0.00	162.29	45615.50	4.91
		300	Wind 60	346.11	-299.74	-173.06	-22335.15	38966.70	-20.39
		330	Wind 90	350.89	-175.44	-303.88	-39341.90	22807.75	-40.23
T8	120.00-100.00	0	Wind Normal	349.87	0.00	-349.87	-38306.34	0.00	0.00
-		30	Wind 90	335.66	167.83	-290.69	-31796.58	-18461.18	43.54
		60	Wind 60	330.92	286.59	-165.46	-18021.54	-31524.47	21.92
		90	Wind 90	335.66	335.66	0.00	179.12	-36922.36	-5.57
		120	Wind Normal	349.87	302.99	174.93	19421.85	-33329.38	21.92
		150	Wind 90	335.66	167.83	290.69	32154.82	-18461.18	43.54
		180	Wind 60	330.92	0.00	330.92	36580.45	0.00	0.00
		210	Wind 90	335.66	-167.83	290.69	32154.82	18461.18	-43.54
		240	Wind Normal	349.87	-302.99	174.93	19421.85	33329.38	-21.92
		270	Wind 90	335.66	-335.66	0.00	179.12	36922.36	5.57
		300	Wind 60	330.92	-286.59	-165.46	-18021.54	31524.47	-21.92
Т9	100.00-80.00	330	Wind 90 Wind Normal	335.66 365.44	-167.83 0.00	-290.69 -365.44	-31796.58 -32692.87	18461.18 0.00	-43.54 0.00
19	100.00-80.00	30	Wind 90	347.79	173.90	-303.44	-32092.87	-15650.57	46.82
		60	Wind 60	341.91	296.10	-170.95	-15188.81	-26648.96	23.34
		90	Wind 90	347.79	347.79	0.00	196.98	-31301.14	-6.39
		120	Wind Normal	365.44	316.48	182.72	16641.90	-28483.44	23.34
		150	Wind 90	347.79	173.90	301.20	27304.56	-15650.57	46.82
		180	Wind 60	341.91	0.00	341.91	30968.55	0.00	0.00
		210	Wind 90	347.79	-173.90	301.20	27304.56	15650.57	-46.82
		240	Wind Normal	365.44	-316.48	182.72	16641.90	28483.44	-23.34
		270	Wind 90	347.79	-347.79	0.00	196.98	31301.14	6.39
		300	Wind 60	341.91	-296.10	-170.95	-15188.81	26648.96	-23.34
		330	Wind 90	347.79	-173.90	-301.20	-26910.61	15650.57	-46.82
T10	80.00-60.00	0	Wind Normal	377.05	0.00	-377.05	-26181.46	0.00	0.00
		30	Wind 90	358.96	179.48	-310.87	-21548.84	-12563.67	49.10
		60	Wind 60	352.93	305.65	-176.47	-12140.56	-21395.40	24.13
		90	Wind 90	358.96	358.96	0.00	212.08	-25127.35	-7.30
		120	Wind Normal	377.05	326.54	188.53	13408.85	-22857.47	24.13
		150	Wind 90	358.96	179.48	310.87	21973.00	-12563.67	49.10
		180	Wind 60	352.93	0.00	352.93	24917.36 21973.00	0.00	0.00
		210 240	Wind 90 Wind Normal	358.96	-179.48 -326.54	310.87 188.53	13408.85	12563.67 22857.47	-49.10 24.13
			Wind Normal Wind 90	377.05 358.96	-326.54 -358.96	0.00	212.08	25127.35	-24.13 7.30
		270 300	Wind 90 Wind 60	358.96	-358.96	-176.47	-12140.56	25127.35 21395.40	-24.13
		330	Wind 90	352.93	-303.63	-1/6.4/	-12140.36	12563.67	-24.13 -49.10
	60.00-40.00	0	Wind Normal	391.55	0.00	-310.87	-21348.84	0.00	0.00
T11									

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Projec	ct	Date
	NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client		Designed by
	VB BTS III, LLC	AJK

Section	Section	Wind	Directionality	F	V_x	V_z	OTM_x	OTM_z	Torque
No.	Elevation ft	Azimuth °		lb	lb	lb	lb-ft	lb-ft	lb-ft
	jι	60	Wind 60	363.92	315.16	-181.96	-8874.85	-15758.19	24.03
		90	Wind 90	370.83	370.83	0.00	223.14	-18541.42	-8.31
		120	Wind Normal	370.83	370.83	195.78	10012.00	-16954.80	24.03
			Wind Normal Wind 90						49.93
		150 180	Wind 60	370.83 363.92	185.41 0.00	321.15 363.92	16280.48 18419.13	-9270.71 0.00	0.00
		210	Wind 90	370.83	-185.41	321.15	16280.48	9270.71	-49.93
		240	Wind Normal	391.55	-339.10	195.78	10012.00	16954.80	-24.03
		270	Wind 90	370.83	-370.83	0.00	223.14	18541.42	8.31
		300	Wind 60	363.92	-315.16	-181.96	-8874.85	15758.19	-24.03
		330	Wind 90	370.83	-185.41	-321.15	-15834.20	9270.71	-49.93
T12	40.00-20.00	0	Wind Normal	367.79	0.00	-367.79	-10806.57	0.00	0.00
		30	Wind 90	346.86	173.43	-300.39	-8784.50	-5202.90	48.32
		60	Wind 60	339.88	294.35	-169.94	-4871.05	-8830.41	22.46
		90	Wind 90	346.86	346.86	0.00	227.19	-10405.80	-9.41
		120	Wind Normal	367.79	318.52	183.90	5744.07	-9555.51	22.46
		150	Wind 90	346.86	173.43	300.39	9238.88	-5202.90	48.32
		180	Wind 60	339.88	0.00	339.88	10423.67	0.00	0.00
		210	Wind 90	346.86	-173.43	300.39	9238.88	5202.90	-48.32
		240	Wind Normal	367.79	-318.52	183.90	5744.07	9555.51	-22.46
		270	Wind 90	346.86	-346.86	0.00	227.19	10405.80	9.41
		300	Wind 60	339.88	-294.35	-169.94	-4871.05	8830.41	-22.46
		330	Wind 90	346.86	-173.43	-300.39	-8784.50	5202.90	-48.32
T13	20.00-0.00	0	Wind Normal	331.61	0.00	-331.61	-3103.47	0.00	0.00
		30	Wind 90	310.94	155.47	-269.28	-2480.18	-1554.70	44.09
		60	Wind 60	304.05	263.31	-152.02	-1307.61	-2633.14	18.94
		90	Wind 90	310.94	310.94	0.00	212.63	-3109.39	-11.28
		120	Wind Normal	331.61	287.18	165.80	1870.68	-2871.82	18.94
		150	Wind 90	310.94	155.47	269.28	2905.44	-1554.70	44.09
		180	Wind 60	304.05	0.00	304.05	3253.12	0.00	0.00
		210	Wind 90	310.94	-155.47	269.28	2905.44	1554.70	-44.09
		240	Wind Normal	331.61	-287.18	165.80	1870.68	2871.82	-18.94
		270	Wind 90	310.94	-310.94	0.00	212.63	3109.39	11.28
		300	Wind 60	304.05	-263.31	-152.02	-1307.61	2633.14	-18.94
		330	Wind 90	310.94	-155.47	-269.28	-2480.18	1554.70	-44.09

Mast Totals - With Ice

Wind	V_x	V_z	OTM_x	OTM_z	Torque
Azimuth					
0	lb	lb	lb-ft	lb-ft	lb-ft
0	0.00	-4257.05	-504808.11	-554.82	31.40
30	2036.57	-3527.44	-420150.04	-244907.44	532.99
60	3470.71	-2003.82	-237572.33	-417378.82	306.97
90	4064.80	0.00	3081.12	-487272.17	-1.30
120	3679.50	2124.36	256031.79	-438678.22	275.57
150	2034.60	3524.03	425527.48	-244454.34	478.60
180	0.00	4012.03	485469.70	-554.82	-31.40
210	-2036.57	3527.44	426312.29	243797.81	-532.99
240	-3682.91	2126.33	256484.89	438353.39	-306.97
270	-4064.80	0.00	3081.12	486162.54	1.30
300	-3467.30	-2001.85	-237119.22	415484.38	-275.57
330	-2034.60	-3524.03	-419365.24	243344.70	-478.60

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Project	Date
NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client VB BTS III, LLC	Designed by AJK

Mast Vectors - Service

Section	Section	Wind	Directionality	F	V_x	V_z	OTM_x	OTM_z	Torque
No.	Elevation	Azimuth	,	_	- 1		5 - 1.1- _X	V - 1.1-2	4
	ft	0		lb	lb	lb	lb-ft	lb-ft	lb-ft
T1	255.30-240.00	0	Wind Normal	397.03	0.00	-397.03	-98100.34	0.00	0.00
		30	Wind 90	356.95	178.48	-309.13	-76332.94	-44199.63	65.34
		60	Wind 60	334.70	289.86	-167.35	-41221.36	-71783.86	93.54
		90	Wind 90	340.94	340.94	0.00	223.07	-84435.01	96.68
		120	Wind Normal	381.02	329.97	190.51	47402.64	-81717.42	93.54
		150	Wind 90	356.95	178.48	309.13	76779.08	-44199.63	65.34
		180	Wind 60	350.71	0.00	350.71	87076.18	0.00	0.00
		210	Wind 90	356.95	-178.48	309.13	76779.08	44199.63	-65.34
		240	Wind Normal	381.02	-329.97	190.51	47402.64	81717.42	-93.54
		270 300	Wind 90 Wind 60	340.94 334.70	-340.94 -289.86	0.00 -167.35	223.07 -41221.36	84435.01 71783.86	-96.68 -93.54
		330	Wind 90	356.95	-289.86	-309.13	-76332.94	44199.63	-93.34 -65.34
T2	240.00-220.00	0	Wind Normal	702.68	0.00	-702.68	-161471.24	-180.99	91.95
12	240.00-220.00	30	Wind 90	670.34	335.17	-580.53	-133378.65	-77270.42	165.16
		60	Wind 60	651.69	564.38	-325.84	-74799.63	-129987.45	101.34
		90	Wind 90	653.01	653.01	0.00	144.16	-150372.51	10.38
		120	Wind Normal	685.34	593.52	342.67	78958.19	-136690.89	9.39
		150	Wind 90	654.58	327.29	566.89	130527.75	-75457.99	5.89
		180	Wind 60	653.26	0.00	653.26	150394.23	-180.99	-91.95
		210	Wind 90	670.34	-335.17	580.53	133666.97	76908.44	-165.16
		240	Wind Normal	701.10	-607.17	350.55	80770.62	139468.13	-101.34
		270	Wind 90	653.01	-653.01	0.00	144.16	150010.53	-10.38
		300	Wind 60	635.92	-550.73	-317.96	-72987.20	126486.25	-9.39
		330	Wind 90	654.58	-327.29	-566.89	-130239.43	75096.01	-5.89
T3	220.00-200.00	0	Wind Normal	845.63	0.00	-845.63	-177561.41	0.00	0.00
		30	Wind 90	809.32	404.66	-700.89	-147166.70	-84978.82	72.49
1		60	Wind 60	797.22	690.41	-398.61	-83687.10	-144986.57	0.21
		90	Wind 90	809.32	809.32	0.00	20.93	-169957.64	-72.12
		120	Wind Normal	845.63	732.34	422.82	88812.11	-153790.82	0.21
		150	Wind 90	809.32	404.66	700.89	147208.57	-84978.82	72.49
		180	Wind 60 Wind 90	797.22 809.32	0.00	797.22	167437.01	0.00	0.00
		210 240	Wind Normal	845.63	-404.66 -732.34	700.89 422.82	147208.57 88812.11	84978.82 153790.82	-72.49 -0.21
		270	Wind Normal Wind 90	809.32	-809.32	0.00	20.93	169957.64	72.12
		300	Wind 60	797.22	-690.41	-398.61	-83687.10	144986.57	-0.21
		330	Wind 90	809.32	-404.66	-700.89	-147166.70	84978.82	-72.49
T4	200.00-180.00	0	Wind Normal	873.76	0.00	-873.76	-165988.81	0.00	0.00
1.	200.00 100.00	30	Wind 90	832.37	416.18	-720.85	-136936.79	-79075.08	84.12
		60	Wind 60	818.57	708.90	-409.29	-77739.16	-134691.93	0.25
		90	Wind 90	832.37	832.37	0.00	25.26	-158150.15	-83.68
		120	Wind Normal	873.76	756.70	436.88	83032.30	-143772.40	0.25
		150	Wind 90	832.37	416.18	720.85	136987.31	-79075.08	84.12
		180	Wind 60	818.57	0.00	818.57	155554.11	0.00	0.00
		210	Wind 90	832.37	-416.18	720.85	136987.31	79075.08	-84.12
		240	Wind Normal	873.76	-756.70	436.88	83032.30	143772.40	-0.25
		270	Wind 90	832.37	-832.37	0.00	25.26	158150.15	83.68
		300	Wind 60	818.57	-708.90	-409.29	-77739.16	134691.93	-0.25
_		330	Wind 90	832.37	-416.18	-720.85	-136936.79	79075.08	-84.12
T5	180.00-160.00	0	Wind Normal	999.24	0.00	-999.24	-169841.64	0.00	0.00
		30	Wind 90	944.00	472.00	-817.53	-138950.67	-80240.29	95.00
		60	Wind 60	925.59	801.58	-462.80	-78645.59	-136269.42	0.29
		90	Wind 90	944.00	944.00	0.00	29.59	-160480.59	-94.50
		120	Wind Normal	999.24	865.37	499.62	84965.21	-147112.80	0.29
		150	Wind 90	944.00	472.00	817.53	139009.86	-80240.29	95.00
		180	Wind 60	925.59	0.00	925.59	157379.96	0.00	0.00
		210	Wind Normal	944.00	-472.00 865.27	817.53 499.62	139009.86	80240.29	-95.00 0.20
		240 270	Wind Normal Wind 90	999.24 944.00	-865.37 -944.00		84965.21 29.59	147112.80 160480.59	-0.29 94.50
!		2/0	wind 90	244. 00]	-2 44 .00	0.00	49.39	100400.39	24.30

Job	SO33397; Tower 795605; Foundation 795606	Page 29 of 52
Proje	ect NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
Clier	VB BTS III, LLC	Designed by AJK

Section	Section	Wind	Directionality	F	V_x	V_z	OTM_x	OTM_z	Torque
No.	Elevation ft	Azimuth °		lb	lb	lb	lb-ft	lb-ft	lb-ft
		300	Wind 60	925.59	-801.58	-462.80	-78645.59	136269.42	-0.2
		330	Wind 90	944.00	-472.00	-817.53	-138950.67	80240.29	-95.0
T6	160.00-140.00	0	Wind Normal	1064.89	0.00	-1064.89	-159699.74	0.00	0.0
		30	Wind 90	1006.66	503.33	-871.79	-130734.40	-75499.13	105.0
		60	Wind 60	987.24	854.98	-493.62	-74009.30	-128246.63	0.3
		90	Wind 90	1006.66	1006.66	0.00	33.92	-150998.26	-104.4
		120	Wind Normal	1064.89	922.22	532.45	79900.76	-138333.41	0.3
		150	Wind 90	1006.66	503.33	871.79	130802.25	-75499.13	105.0
		180	Wind 60	987.24	0.00	987.24	148120.38	0.00	0.0
		210	Wind 90	1006.66	-503.33	871.79	130802.25	75499.13	-105.0
		240	Wind Normal	1064.89	-922.22	532.45	79900.76	138333.41	-0.
		270	Wind 90	1006.66	-1006.66	0.00	33.92	150998.26	104.
		300	Wind 60	987.24	-854.98	-493.62	-74009.30	128246.63	-0
		330	Wind 90	1006.66	-503.33	-871.79	-130734.40	75499.13	-105.
T7	140.00-120.00	0	Wind Normal	1086.40	0.00	-1086.40	-141193.83	0.00	0.0
		30	Wind 90	1022.81	511.41	-885.78	-115113.31	-66482.79	114.0
		60	Wind 60	1001.62	867.42	-500.81	-65066.78	-112765.23	0.
		90	Wind 90	1022.81	1022.81	0.00	38.25	-132965.57	-113.
		120	Wind Normal Wind 90	1086.40 1022.81	940.85	543.20	70654.29	-122310.57 -66482.79	0.
		150		-	511.41	885.78	115189.82		114.
		180 210	Wind 60 Wind 90	1001.62 1022.81	0.00 -511.41	1001.62 885.78	130248.32 115189.82	0.00 66482.79	0. -114.
		240	Wind Normal	1022.81	-940.85	543.20	70654.29	122310.57	
		240	Wind 90	1080.40	-1022.81	0.00	38.25	132965.57	-0 113.
		300	Wind 60	1022.81	-867.42	-500.81	-65066.78	112765.23	-0.
		330	Wind 90	1022.81	-511.41	-885.78	-115113.31	66482.79	-114.
Т8	120.00-100.00	0	Wind Normal	1059.64	0.00	-1059.64	-116517.27	0.00	0.
10	120.00-100.00	30	Wind 90	997.97	498.98	-864.26	-95025.71	-54888.12	123.
		60	Wind 60	977.41	846.46	-488.70	-53714.09	-93110.55	0.3
		90	Wind 90	997.97	997.97	0.00	43.31	-109776.24	-123.0
		120	Wind Normal	1059.64	917.68	529.82	58323.59	-100944.42	0
		150	Wind 90	997.97	498.98	864.26	95112.32	-54888.12	123.
		180	Wind 60	977.41	0.00	977.41	107558.10	0.00	0.0
		210	Wind 90	997.97	-498.98	864.26	95112.32	54888.12	-123.
		240	Wind Normal	1059.64	-917.68	529.82	58323.59	100944.42	-0
		270	Wind 90	997.97	-997.97	0.00	43.31	109776.24	123.0
		300	Wind 60	977.41	-846.46	-488.70	-53714.09	93110.55	-0
		330	Wind 90	997.97	-498.98	-864.26	-95025.71	54888.12	-123.
T9	100.00-80.00	0	Wind Normal	1133.12	0.00	-1133.12	-101931.32	0.00	0.
		30	Wind 90	1056.93	528.46	-915.33	-82330.38	-47561.80	133.
		60	Wind 60	1031.53	893.33	-515.77	-46369.93	-80400.08	0.
		90	Wind 90	1056.93	1056.93	0.00	49.08	-95123.61	-132.
		120	Wind Normal	1133.12	981.31	566.56	51039.28	-88317.61	0.
		150	Wind 90	1056.93	528.46	915.33	82428.54	-47561.80	133.
		180	Wind 60	1031.53	0.00	1031.53	92887.09	0.00	0.0
		210	Wind 90	1056.93	-528.46	915.33	82428.54	47561.80	-133.
		240	Wind Normal	1133.12	-981.31	566.56	51039.28	88317.61	-0.
		270	Wind 90	1056.93	-1056.93	0.00	49.08	95123.61	132.
		300	Wind 60	1031.53	-893.33	-515.77	-46369.93	80400.08	-0.
T-1.0	00.00.60.00	330	Wind 90	1056.93	-528.46	-915.33	-82330.38	47561.80	-133.
T10	80.00-60.00	0	Wind Normal	1159.43	0.00	-1159.43	-81105.07	0.00	0.
		30	Wind 90	1081.86	540.93	-936.92	-65529.67	-37865.24	140.
		60	Wind 60	1056.01	914.53	-528.00	-36905.48	-64017.17	0.
		90	Wind 90	1081.86	1081.86	0.00	54.85	-75730.48	-140.
		120	Wind Normal Wind 90	1159.43	1004.09	579.71	40634.81	-70286.56	0. 140.
		150	Wind 60	1081.86 1056.01	540.93	936.92 1056.01	65639.37 73975.52	-37865.24	
		180 210	Wind 90	1036.01	0.00 -540.93	936.92	65639.37	0.00 37865.24	0. -140.
		240	Wind Normal	1159.43	-540.93 -1004.09	936.92 579.71	40634.81	70286.56	-140. -0.
		270	Wind 90	1081.86	-1081.86	0.00	54.85	75730.48	140.

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Job	SO33397; Tower 795605; Foundation 795606	Page 30 of 52
Pro	iect NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
Clie	nt VB BTS III, LLC	Designed by AJK

Section	Section	Wind	Directionality	F	$V_{\scriptscriptstyle X}$	V_z	OTM_x	OTM_z	Torque
No.	Elevation	Azimuth							_
	ft	0		lb	lb	lb	lb-ft	lb-ft	lb-ft
		330	Wind 90	1081.86	-540.93	-936.92	-65529.67	37865.24	-140.91
T11	60.00-40.00	0	Wind Normal	1203.62	0.00	-1203.62	-60120.17	0.00	0.00
		30	Wind 90	1113.69	556.85	-964.49	-48163.70	-27842.33	144.50
		60	Wind 60	1083.72	938.53	-541.86	-27032.35	-46926.41	0.46
		90	Wind 90	1113.69	1113.69	0.00	60.63	-55684.66	-143.71
		120	Wind Normal	1203.62	1042.36	601.81	30151.03	-52118.10	0.46
		150	Wind 90	1113.69	556.85	964.49	48284.96	-27842.33	144.50
		180	Wind 60	1083.72	0.00	1083.72	54246.57	0.00	0.00
		210	Wind 90	1113.69	-556.85	964.49	48284.96	27842.33	-144.50
		240	Wind Normal	1203.62	-1042.36	601.81	30151.03	52118.10	-0.46
		270	Wind 90	1113.69	-1113.69	0.00	60.63	55684.66	143.71
		300	Wind 60	1083.72	-938.53	-541.86	-27032.35	46926.41	-0.46
		330	Wind 90	1113.69	-556.85	-964.49	-48163.70	27842.33	-144.50
T12	40.00-20.00	0	Wind Normal	1153.23	0.00	-1153.23	-34530.40	0.00	0.00
		30	Wind 90	1062.97	531.48	-920.55	-27550.24	-15944.48	141.64
		60	Wind 60	1032.88	894.50	-516.44	-15426.77	-26834.95	0.45
		90	Wind 90	1062.97	1062.97	0.00	66.40	-31888.95	-140.86
		120	Wind Normal	1153.23	998.72	576.61	17364.80	-29961.71	0.45
		150	Wind 90	1062.97	531.48	920.55	27683.04	-15944.48	141.64
		180	Wind 60	1032.88	0.00	1032.88	31052.73	0.00	0.00
		210	Wind 90	1062.97	-531.48	920.55	27683.04	15944.48	-141.64
		240	Wind Normal	1153.23	-998.72	576.61	17364.80	29961.71	-0.45
		270	Wind 90	1062.97	-1062.97	0.00	66.40	31888.95	140.86
		300	Wind 60	1032.88	-894.50	-516.44	-15426.77	26834.95	-0.45
		330	Wind 90	1062.97	-531.48	-920.55	-27550.24	15944.48	-141.64
T13	20.00-0.00	0	Wind Normal	1074.98	0.00	-1074.98	-10677.62	0.00	0.00
		30	Wind 90	986.68	493.34	-854.49	-8472.70	-4933.38	132.85
		60	Wind 60	957.24	829.00	-478.62	-4714.04	-8289.96	0.42
		90	Wind 90	986.68	986.68	0.00	72.17	-9866.77	-132.11
		120	Wind Normal	1074.98	930.96	537.49	5447.07	-9309.59	0.42
		150	Wind 90	986.68	493.34	854.49	8617.04	-4933.38	132.85
		180	Wind 60	957.24	0.00	957.24	9644.60	0.00	0.00
		210	Wind 90	986.68	-493.34	854.49	8617.04		-132.85
		240	Wind Normal	1074.98	-930.96	537.49	5447.07	9309.59	-0.42
		270	Wind 90	986.68	-986.68	0.00	72.17	9866.77	132.11
		300	Wind 60	957.24	-829.00	-478.62	-4714.04	8289.96	-0.42
		330	Wind 90	986.68	-493.34	-854.49	-8472.70	4933.38	-132.85

Mast Totals - Service

Wind	V_x	V_z	OTM_x	OTM_z	Torque
Azimuth					
0	lb	lb	lb-ft	lb-ft	lb-ft
0	0.00	-12753.63	-1478738.85	-180.99	91.95
30	5971.28	-10342.55	-1205685.86	-696781.51	1518.46
60	10093.89	-5827.71	-679331.59	-1178310.20	198.91
90	11909.21	0.00	861.63	-1385430.43	-1173.93
120	11016.09	6360.14	736686.07	-1274666.31	106.96
150	5963.40	10328.90	1204269.91	-694969.08	1359.19
180	0.00	11673.00	1365574.81	-180.99	-91.95
210	-5971.28	10342.55	1207409.13	696419.53	-1518.46
240	-11029.74	6368.02	738498.50	1277443.54	-198.91
270	-11909.21	0.00	861.63	1385068.45	1173.93
300	-10080.24	-5819.83	-677519.16	1174809.00	-106.96
330	-5963.40	-10328.90	-1202546.65	694607.10	-1359.19

tnx _T	'ower

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SO33397; Tower 795605; Foundation 795606	31 of 52
Project	Date
NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client VB BTS III, LLC	Designed by AJK

Discrete Appurtenance Pressures - No Ice $G_H = 0.850$

Description	Aiming	Weight	$Offset_x$	$Offset_z$	z	K_z	q_z	C_AA_C	C_AA_C
	Azimuth							Front	Side
	0	lb	ft	ft	ft		psf	ft^2	ft^2
40,000 sq in CaAa	0.0000	4726.00	0.00	0.00	250.00	1.535	37	278.00	278.00
30,000 sq in CaAa	0.0000	3536.00	0.00	0.00	239.00	1.520	36	208.00	208.00
30,000 sq in CaAa	0.0000	3536.00	0.00	0.00	229.00	1.507	36	208.00	208.00
_	Sum	11798.00							
	Weight:								

Discrete Appurtenance Vectors - No Ice

			40,000 sq in Ca	Aa - Elevation 250 -	None C		
Wind	F_a	F_s	$V_{\scriptscriptstyle X}$	V_z	OTM_x	OTM_z	Torque
Azimuth							_
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft
0	7135.01	0.00	0.00	-7135.01	-1783753.40	0.00	0.00
30	7135.01	0.00	3567.51	-6179.10	-1544775.76	-891876.70	0.00
60	7135.01	0.00	6179.10	-3567.51	-891876.70	-1544775.76	0.00
90	7135.01	0.00	7135.01	0.00	0.00	-1783753.40	0.00
120	7135.01	0.00	6179.10	3567.51	891876.70	-1544775.76	0.00
150	7135.01	0.00	3567.51	6179.10	1544775.76	-891876.70	0.00
180	7135.01	0.00	0.00	7135.01	1783753.40	0.00	0.00
210	7135.01	0.00	-3567.51	6179.10	1544775.76	891876.70	0.00
240	7135.01	0.00	-6179.10	3567.51	891876.70	1544775.76	0.00
270	7135.01	0.00	-7135.01	0.00	0.00	1783753.40	0.00
300	7135.01	0.00	-6179.10	-3567.51	-891876.70	1544775.76	0.00
330	7135.01	0.00	-3567.51	-6179.10	-1544775.76	891876.70	0.00

			30,000 sq in Ca	Aa - Elevation 239 -	None B		
Wind	F_a	F_s	$V_{\scriptscriptstyle X}$	V_z	OTM_x	OTM_z	Torque
Azimuth							
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft
0	5288.09	0.00	0.00	-5288.09	-1263854.61	0.00	0.00
30	5288.09	0.00	2644.05	-4579.62	-1094530.20	-631927.30	0.00
60	5288.09	0.00	4579.62	-2644.05	-631927.30	-1094530.20	0.00
90	5288.09	0.00	5288.09	0.00	0.00	-1263854.61	0.00
120	5288.09	0.00	4579.62	2644.05	631927.30	-1094530.20	0.00
150	5288.09	0.00	2644.05	4579.62	1094530.20	-631927.30	0.00
180	5288.09	0.00	0.00	5288.09	1263854.61	0.00	0.00
210	5288.09	0.00	-2644.05	4579.62	1094530.20	631927.30	0.00
240	5288.09	0.00	-4579.62	2644.05	631927.30	1094530.20	0.00
270	5288.09	0.00	-5288.09	0.00	0.00	1263854.61	0.00
300	5288.09	0.00	-4579.62	-2644.05	-631927.30	1094530.20	0.00
330	5288.09	0.00	-2644.05	-4579.62	-1094530.20	631927.30	0.00

	30,000 sq in CaAa - Elevation 229 - None A								
Wind	F_a	F_s	V_x	V_z	OTM_x	OTM_z	Torque		
Azimuth									
٥	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft		
0	5240.72	0.00	0.00	-5240.72	-1200125.93	0.00	0.00		
30	5240.72	0.00	2620.36	-4538.60	-1039339.55	-600062.97	0.00		
60	5240.72	0.00	4538.60	-2620.36	-600062.97	-1039339.55	0.00		

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Client VB BTS III, LLC	Designed by AJK

			30,000 sq in Ca	Aa - Elevation 229 -	None A		
Wind	F_a	F_s	$V_{\scriptscriptstyle X}$	V_z	OTM_x	OTM_z	Torque
Azimuth							
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft
90	5240.72	0.00	5240.72	0.00	0.00	-1200125.93	0.00
120	5240.72	0.00	4538.60	2620.36	600062.97	-1039339.55	0.00
150	5240.72	0.00	2620.36	4538.60	1039339.55	-600062.97	0.00
180	5240.72	0.00	0.00	5240.72	1200125.93	0.00	0.00
210	5240.72	0.00	-2620.36	4538.60	1039339.55	600062.97	0.00
240	5240.72	0.00	-4538.60	2620.36	600062.97	1039339.55	0.00
270	5240.72	0.00	-5240.72	0.00	0.00	1200125.93	0.00
300	5240.72	0.00	-4538.60	-2620.36	-600062.97	1039339.55	0.00
330	5240.72	0.00	-2620.36	-4538.60	-1039339.55	600062.97	0.00

Discrete Appurtenance Totals - No Ice

Wind	$V_{\scriptscriptstyle \chi}$	V_z	OTM_x	OTM_z	Torque
Azimuth					
0	lb	lb	lb-ft	lb-ft	lb-ft
0	0.00	-17663.83	-4247733.94	0.00	0.00
30	8831.92	-15297.33	-3678645.50	-2123866.97	0.00
60	15297.33	-8831.92	-2123866.97	-3678645.50	0.00
90	17663.83	0.00	0.00	-4247733.94	0.00
120	15297.33	8831.92	2123866.97	-3678645.50	0.00
150	8831.92	15297.33	3678645.50	-2123866.97	0.00
180	0.00	17663.83	4247733.94	0.00	0.00
210	-8831.92	15297.33	3678645.50	2123866.97	0.00
240	-15297.33	8831.92	2123866.97	3678645.50	0.00
270	-17663.83	0.00	0.00	4247733.94	0.00
300	-15297.33	-8831.92	-2123866.97	3678645.50	0.00
330	-8831.92	-15297.33	-3678645.50	2123866.97	0.00

Discrete Appurtenance Pressures - With Ice $G_H = 0.850$

Description	Aiming	Weight	$Offset_x$	$Offset_z$	z	K_z	q_z	C_AA_C	C_AA_C	t_z
	Azimuth							Front	Side	
	۰	lb	ft	ft	ft		psf	ft^2	ft ²	in
40,000 sq in CaAa	0.0000	8661.40	0.00	0.00	250.00	1.535	3	415.14	415.14	1.2245
30,000 sq in CaAa	0.0000	6466.37	0.00	0.00	239.00	1.520	3	310.39	310.39	1.2190
30,000 sq in CaAa	0.0000	6453.87	0.00	0.00	229.00	1.507	3	309.96	309.96	1.2138
_	Sum	21581.64								
	Weight:									

Discrete Appurtenance Vectors - With Ice

	40,000 sq in CaAa - Elevation 250 - None C									
Wind	F_a	F_s	V_x	V_z	OTM_x	OTM_z	Torque			
Azimuth										
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft			
0	869.78	0.00	0.00	-869.78	-217443.96	0.00	0.00			
30	869.78	0.00	434.89	-753.25	-188311.99	-108721.98	0.00			
60	869.78	0.00	753.25	-434.89	-108721.98	-188311.99	0.00			
90	869.78	0.00	869.78	0.00	0.00	-217443.96	0.00			

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SO33397; Tower 795605; Foundation 795606	33 of 52
Project	Date
NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client VB BTS III, LLC	Designed by AJK

	40,000 sq in CaAa - Elevation 250 - None C										
Wind	F_a	F_s	V_x	V_z	OTM_x	OTM_z	Torque				
Azimuth											
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft				
120	869.78	0.00	753.25	434.89	108721.98	-188311.99	0.00				
150	869.78	0.00	434.89	753.25	188311.99	-108721.98	0.00				
180	869.78	0.00	0.00	869.78	217443.96	0.00	0.00				
210	869.78	0.00	-434.89	753.25	188311.99	108721.98	0.00				
240	869.78	0.00	-753.25	434.89	108721.98	188311.99	0.00				
270	869.78	0.00	-869.78	0.00	0.00	217443.96	0.00				
300	869.78	0.00	-753.25	-434.89	-108721.98	188311.99	0.00				
330	869.78	0.00	-434.89	-753.25	-188311.99	108721.98	0.00				

			30,000 sq in Ca	Aa - Elevation 239 -	None B		
Wind	F_a	F_s	$V_{\scriptscriptstyle X}$	V_z	OTM_x	OTM_z	Torque
Azimuth							
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft
0	644.19	0.00	0.00	-644.19	-153960.30	0.00	0.00
30	644.19	0.00	322.09	-557.88	-133333.53	-76980.15	0.00
60	644.19	0.00	557.88	-322.09	-76980.15	-133333.53	0.00
90	644.19	0.00	644.19	0.00	0.00	-153960.30	0.00
120	644.19	0.00	557.88	322.09	76980.15	-133333.53	0.00
150	644.19	0.00	322.09	557.88	133333.53	-76980.15	0.00
180	644.19	0.00	0.00	644.19	153960.30	0.00	0.00
210	644.19	0.00	-322.09	557.88	133333.53	76980.15	0.00
240	644.19	0.00	-557.88	322.09	76980.15	133333.53	0.00
270	644.19	0.00	-644.19	0.00	0.00	153960.30	0.00
300	644.19	0.00	-557.88	-322.09	-76980.15	133333.53	0.00
330	644.19	0.00	-322.09	-557.88	-133333.53	76980.15	0.00

			30,000 sq in Ca	Aa - Elevation 229 -	None A		
Wind	F_a	F_s	V_x	V_z	OTM_x	OTM_z	Torque
Azimuth							_
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft
0	637.52	0.00	0.00	-637.52	-145991.31	0.00	0.00
30	637.52	0.00	318.76	-552.11	-126432.18	-72995.65	0.00
60	637.52	0.00	552.11	-318.76	-72995.65	-126432.18	0.00
90	637.52	0.00	637.52	0.00	0.00	-145991.31	0.00
120	637.52	0.00	552.11	318.76	72995.65	-126432.18	0.00
150	637.52	0.00	318.76	552.11	126432.18	-72995.65	0.00
180	637.52	0.00	0.00	637.52	145991.31	0.00	0.00
210	637.52	0.00	-318.76	552.11	126432.18	72995.65	0.00
240	637.52	0.00	-552.11	318.76	72995.65	126432.18	0.00
270	637.52	0.00	-637.52	0.00	0.00	145991.31	0.00
300	637.52	0.00	-552.11	-318.76	-72995.65	126432.18	0.00
330	637.52	0.00	-318.76	-552.11	-126432.18	72995.65	0.00

Discrete Appurtenance Totals - With Ice

Wind	V_x	V_z	OTM_x	OTM_z	Torque
Azimuth					
0	lb	lb	lb-ft	lb-ft	lb-ft
0	0.00	-2151.48	-517395.57	0.00	0.00
30	1075.74	-1863.23	-448077.71	-258697.79	0.00
60	1863.23	-1075.74	-258697.79	-448077.71	0.00
90	2151.48	0.00	0.00	-517395.57	0.00

<i>tnxT</i>	'ow	er

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Wind	V_x	V_z	OTM_x	OTM_z	Torque
Azimuth					44 .
0	lb	lb	lb-ft	lb-ft	lb-ft
120	1863.23	1075.74	258697.79	-448077.71	0.00
150	1075.74	1863.23	448077.71	-258697.79	0.00
180	0.00	2151.48	517395.57	0.00	0.00
210	-1075.74	1863.23	448077.71	258697.79	0.00
240	-1863.23	1075.74	258697.79	448077.71	0.00
270	-2151.48	0.00	0.00	517395.57	0.00
300	-1863.23	-1075.74	-258697.79	448077.71	0.00
330	-1075.74	-1863.23	-448077.71	258697.79	0.00

Discrete Appurtenance Pressures - Service $G_H = 0.850$

Description	Aiming	Weight	$Offset_x$	$Offset_z$	z	K_z	q_z	C_AA_C	$C_A A_C$
	Azimuth							Front	Side
	۰	lb	ft	ft	ft		psf	ft^2	ft^2
40,000 sq in CaAa	0.0000	4726.00	0.00	0.00	250.00	1.535	12	278.00	278.00
30,000 sq in CaAa	0.0000	3536.00	0.00	0.00	239.00	1.520	12	208.00	208.00
30,000 sq in CaAa	0.0000	3536.00	0.00	0.00	229.00	1.507	12	208.00	208.00
	Sum	11798.00							
	Weight:								

Discrete Appurtenance Vectors - Service

	40,000 sq in CaAa - Elevation 250 - None C						
Wind	F_a	F_s	$V_{\scriptscriptstyle X}$	V_z	OTM_x	OTM_z	Torque
Azimuth							
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft
0	2329.80	0.00	0.00	-2329.80	-582450.09	0.00	0.00
30	2329.80	0.00	1164.90	-2017.67	-504416.57	-291225.04	0.00
60	2329.80	0.00	2017.67	-1164.90	-291225.04	-504416.57	0.00
90	2329.80	0.00	2329.80	0.00	0.00	-582450.09	0.00
120	2329.80	0.00	2017.67	1164.90	291225.04	-504416.57	0.00
150	2329.80	0.00	1164.90	2017.67	504416.57	-291225.04	0.00
180	2329.80	0.00	0.00	2329.80	582450.09	0.00	0.00
210	2329.80	0.00	-1164.90	2017.67	504416.57	291225.04	0.00
240	2329.80	0.00	-2017.67	1164.90	291225.04	504416.57	0.00
270	2329.80	0.00	-2329.80	0.00	0.00	582450.09	0.00
300	2329.80	0.00	-2017.67	-1164.90	-291225.04	504416.57	0.00
330	2329.80	0.00	-1164.90	-2017.67	-504416.57	291225.04	0.00

	30,000 sq in CaAa - Elevation 239 - None B						
Wind	F_a	F_s	V_x	V_z	OTM_x	OTM_z	Torque
Azimuth							
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft
0	1726.72	0.00	0.00	-1726.72	-412687.22	0.00	0.00
30	1726.72	0.00	863.36	-1495.39	-357397.62	-206343.61	0.00
60	1726.72	0.00	1495.39	-863.36	-206343.61	-357397.62	0.00
90	1726.72	0.00	1726.72	0.00	0.00	-412687.22	0.00
120	1726.72	0.00	1495.39	863.36	206343.61	-357397.62	0.00
150	1726.72	0.00	863.36	1495.39	357397.62	-206343.61	0.00
180	1726.72	0.00	0.00	1726.72	412687.22	0.00	0.00
210	1726.72	0.00	-863.36	1495.39	357397.62	206343.61	0.00
240	1726.72	0.00	-1495.39	863.36	206343.61	357397.62	0.00

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Clic	ent VB BTS III, LLC	Designed by AJK

	30,000 sq in CaAa - Elevation 239 - None B						
Wind	F_a	F_s	V_x	V_z	OTM_x	OTM_z	Torque
Azimuth							
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft
270	1726.72	0.00	-1726.72	0.00	0.00	412687.22	0.00
300	1726.72	0.00	-1495.39	-863.36	-206343.61	357397.62	0.00
330	1726.72	0.00	-863.36	-1495.39	-357397.62	206343.61	0.00

			30,000 sq in Ca	Aa - Elevation 229 -	None A		
Wind	F_a	F_s	$V_{\scriptscriptstyle X}$	V_z	OTM_x	OTM_z	Torque
Azimuth							
0	lb	lb	lb	lb	lb-ft	lb-ft	lb-ft
0	1711.26	0.00	0.00	-1711.26	-391877.86	0.00	0.00
30	1711.26	0.00	855.63	-1481.99	-339376.18	-195938.93	0.00
60	1711.26	0.00	1481.99	-855.63	-195938.93	-339376.18	0.00
90	1711.26	0.00	1711.26	0.00	0.00	-391877.86	0.00
120	1711.26	0.00	1481.99	855.63	195938.93	-339376.18	0.00
150	1711.26	0.00	855.63	1481.99	339376.18	-195938.93	0.00
180	1711.26	0.00	0.00	1711.26	391877.86	0.00	0.00
210	1711.26	0.00	-855.63	1481.99	339376.18	195938.93	0.00
240	1711.26	0.00	-1481.99	855.63	195938.93	339376.18	0.00
270	1711.26	0.00	-1711.26	0.00	0.00	391877.86	0.00
300	1711.26	0.00	-1481.99	-855.63	-195938.93	339376.18	0.00
330	1711.26	0.00	-855.63	-1481.99	-339376.18	195938.93	0.00

Discrete Appurtenance Totals - Service

Wind	V_x	V_z	OTM_x	OTM_z	Torque
Azimuth					
0	lb	lb	lb-ft	lb-ft	lb-ft
0	0.00	-5767.78	-1387015.16	0.00	0.00
30	2883.89	-4995.05	-1201190.37	-693507.58	0.00
60	4995.05	-2883.89	-693507.58	-1201190.37	0.00
90	5767.78	0.00	0.00	-1387015.16	0.00
120	4995.05	2883.89	693507.58	-1201190.37	0.00
150	2883.89	4995.05	1201190.37	-693507.58	0.00
180	0.00	5767.78	1387015.16	0.00	0.00
210	-2883.89	4995.05	1201190.37	693507.58	0.00
240	-4995.05	2883.89	693507.58	1201190.37	0.00
270	-5767.78	0.00	0.00	1387015.16	0.00
300	-4995.05	-2883.89	-693507.58	1201190.37	0.00
330	-2883.89	-4995.05	-1201190.37	693507.58	0.00

Force Totals

Load	Vertical	Sum of	Sum of	Sum of	Sum of	Sum of Torques
Case	Forces	Forces	Forces	Overturning	Overturning	
		X	Z	Moments, M_x	Moments, M_z	
	lb	lb	lb	lb-ft	lb-ft	lb-ft
Leg Weight	22143.57					
Bracing Weight	14526.27					
Total Member Self-Weight	36669.84			861.63	-180.99	
Total Weight	55660.46			861.63	-180.99	
Wind 0 deg - No Ice		0.00	-54671.04	-8567270.37	-180.99	281.61

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Clien	VB BTS III, LLC	Designed by AJK

Load	Vertical	Sum of	Sum of	Sum of	Sum of	Sum of Torques
Case	Forces	Forces	Forces	Overturning	Overturning	J 1
		X	Z	Moments, M_r	Moments, M_{τ}	
	lb	lb	lb	lb-ft	lb-ft	lb-ft
Wind 30 deg - No Ice		26093.56	-45195.36	-7190209.52	-4151947.85	4650.27
Wind 60 deg - No Ice		44433.83	-25653.88	-4100657.87	-7104221.15	609.16
Wind 90 deg - No Ice		52085.00	0.00	861.63	-8279362.94	-3595.17
Wind 120 deg - No Ice		47258.08	27284.46	4272751.74	-7399311.71	327.56
Wind 150 deg - No Ice		26069.42	45153.57	7182318.92	-4146397.29	4162.52
Wind 180 deg - No Ice		0.00	51361.62	8217151.28	-180.99	-281.61
Wind 210 deg - No Ice		-26093.56	45195.36	7191932.78	4151585.87	-4650.27
Wind 240 deg - No Ice		-47299.88	27308.60	4278302.31	7408563.59	-609.16
Wind 270 deg - No Ice		-52085.00	0.00	861.63	8279000.96	3595.17
Wind 300 deg - No Ice		-44392.03	-25629.75	-4095107.30	7094245.31	-327.56
Wind 330 deg - No Ice		-26069.42	-45153.57	-7180595.66	4146035.31	-4162.52
Member Ice	31593.24					
Total Weight Ice	111021.38			3081.12	-554.82	
Wind 0 deg - Ice		0.00	-6408.53	-1022203.68	-554.82	31.40
Wind 30 deg - Ice		3112.31	-5390.67	-868227.75	-503605.23	532.99
Wind 60 deg - Ice		5333.95	-3079.56	-496270.11	-865456.53	306.97
Wind 90 deg - Ice		6216.28	0.00	3081.12	-1004667.74	-1.30
Wind 120 deg - Ice		5542.73	3200.10	514729.57	-886755.93	275.57
Wind 150 deg - Ice		3110.34	5387.26	873605.19	-503152.12	478.60
Wind 180 deg - Ice		0.00	6163.51	1002865.27	-554.82	-31.40
Wind 210 deg - Ice		-3112.31	5390.67	874390.00	502495.60	-532.99
Wind 240 deg - Ice		-5546.14	3202.07	515182.68	886431.10	-306.97
Wind 270 deg - Ice		-6216.28	0.00	3081.12	1003558.11	1.30
Wind 300 deg - Ice		-5330.54	-3077.59	-495817.01	863562.09	-275.57
Wind 330 deg - Ice		-3110.34	-5387.26	-867442.95	502042.49	-478.60
Total Weight	55660.46			861.63	-180.99	
Wind 0 deg - Service		0.00	-18521.41	-2866615.64	0.00	91.95
Wind 30 deg - Service		8855.17	-15337.60	-2407737.86	-1390108.10	1518.46
Wind 60 deg - Service		15088.93	-8711.60	-1373700.80	-2379319.58	198.91
Wind 90 deg - Service		17676.99	0.00	0.00	-2772264.61	-1173.93
Wind 120 deg - Service		16011.14	9244.03	1429332.02	-2475675.68	106.96
Wind 150 deg - Service		8847.29	15323.95	2404598.64	-1388295.67	1359.19
Wind 180 deg - Service		0.00	17440.78	2751728.34	0.00	-91.95
Wind 210 deg - Service		-8855.17	15337.60	2407737.86	1390108.10	-1518.46
Wind 240 deg - Service		-16024.79	9251.91	1431144.45	2478814.90	-198.91
Wind 270 deg - Service		-17676.99	0.00	0.00	2772264.61	1173.93
Wind 300 deg - Service		-15075.29	-8703.72	-1371888.37	2376180.36	-106.96
Wind 330 deg - Service		-8847.29	-15323.95	-2404598.64	1388295.67	-1359.19

Load Combinations

Comb.	. Description	
No.	•	
1	Dead Only	
2	1.2 Dead+1.0 Wind 0 deg - No Ice	
3	0.9 Dead+1.0 Wind 0 deg - No Ice	
4	1.2 Dead+1.0 Wind 30 deg - No Ice	
5	0.9 Dead+1.0 Wind 30 deg - No Ice	
6	1.2 Dead+1.0 Wind 60 deg - No Ice	
7	0.9 Dead+1.0 Wind 60 deg - No Ice	
8	1.2 Dead+1.0 Wind 90 deg - No Ice	
9	0.9 Dead+1.0 Wind 90 deg - No Ice	
10	1.2 Dead+1.0 Wind 120 deg - No Ice	
11	0.9 Dead+1.0 Wind 120 deg - No Ice	
12	1.2 Dead+1.0 Wind 150 deg - No Ice	
13	0.9 Dead+1.0 Wind 150 deg - No Ice	
15	o. Dead 1.0 Wha 150 deg 110 fee	

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Comb.	Description
No.	
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40 41	Dead+Wind 30 deg - Service
42	Dead+Wind 60 deg - Service Dead+Wind 90 deg - Service
42	Dead+Wind 120 deg - Service Dead+Wind 120 deg - Service
43 44	Dead+Wind 150 deg - Service Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service
30	Dead willia 350 deg Service

Maximum Member Forces

Section	Elevation	Component	Condition	Gov.	Axial	Major Axis	Minor Axis
No.	ft	Type		Load		Moment	Moment
				Comb.	lb	lb-ft	lb-ft
T1	255.3 - 240	Leg	Max Tension	15	9171.61	0.25	1.85
		_	Max. Compression	18	-12921.04	238.13	-132.78
			Max. Mx	20	-1846.42	-352.08	1.18
			Max. My	14	-1714.01	56.55	320.09
			Max. Vy	8	-2402.68	-224.84	52.91
			Max. Vx	2	2416.72	0.07	255.72
		Diagonal	Max Tension	8	3546.79	0.00	0.00
			Max. Compression	20	-3430.88	0.00	0.00
			Max. Mx	2	269.41	18.77	0.99
			Max. My	20	-3314.87	1.01	12.05
			Max. Vy	36	-15.70	14.97	0.06
			Max. Vx	20	2.92	0.00	0.00
		Top Girt	Max Tension	23	1083.57	0.00	0.00
		-	Max. Compression	18	-1159.45	0.00	0.00
			Max. Mx	26	-103.82	-43.47	0.00
			Max. My	16	-54.75	0.00	0.00

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Cli	vB BTS III, LLC	Designed by AJK

Section No.	Elevation ft	Component Type	Condition	Gov. Load	Axial	Major Axis Moment	Minor Axis Moment
	,	21		Comb.	lb	lb-ft	lb-ft
			Max. Vy	26	-26.75	0.00	0.00
			Max. Vx	16	-0.00	0.00	0.00
T2	240 - 220	Leg	Max Tension	15	57222.78	-4.26	-1071.42
			Max. Compression	2	-66964.51	4.60	-3.78
			Max. Mx	8	-38076.02	1706.96	52.65
			Max. My	2	-43894.14	5.33	-1714.45
			Max. Vy	20	1439.54	237.69	78.12
			Max. Vx	14	-1449.58	-1.00	-281.45
		Diagonal	Max Tension	8	10088.69	0.00	0.00
			Max. Compression	20	-10418.51	0.00	0.00
			Max. Mx	2	8149.05	42.06	-0.74
			Max. My	20	-6276.42	-4.97	12.75
			Max. Vy	31	-21.58	30.54	-0.26
		_	Max. Vx	20	2.74	0.00	0.00
T3	220 - 200	Leg	Max Tension	15	112586.08	-576.26	0.43
			Max. Compression	2	-125039.84	704.62	0.23
			Max. Mx	14	95649.61	-859.02	-0.62
			Max. My	16	-6063.66	30.06	722.98
			Max. Vy	14	197.06	-859.02	-0.62
		D:1	Max. Vx	12	150.26	-47.05	-638.31
		Diagonal	Max Tension	20 20	7311.93	0.00	0.00
			Max. Compression		-7610.03	0.00	0.00
			Max. Mx Max. My	14 6	5783.74 -6167.56	33.55 -3.25	1.60 -4.00
			Max. Vy	33	22.95	-3.23 24.47	-2.80
			Max. Vx	35	-1.14	0.00	0.00
T4	200 - 180	Leg	Max Tension	15	153375.80	-682.73	-0.04
17	200 100	Leg	Max. Compression	2	-168486.83	1033.94	-0.79
			Max. Mx	2	-168486.83	1033.94	-0.79
			Max. My	16	-7072.51	1.22	1010.59
			Max. Vy	2	-109.68	1033.94	-0.79
			Max. Vx	4	84.17	1.22	-1010.22
		Diagonal	Max Tension	20	6517.83	0.00	0.00
		Z .	Max. Compression	20	-6720.97	0.00	0.00
			Max. Mx	2	5295.93	37.87	-0.36
			Max. My	35	37.92	28.83	3.66
			Max. Vy	33	27.15	32.79	-3.46
			Max. Vx	35	1.23	0.00	0.00
T5	180 - 160	Leg	Max Tension	15	187746.41	-984.66	0.15
			Max. Compression	2	-205938.41	1383.41	0.20
			Max. Mx	2	-205938.41	1383.41	0.20
			Max. My	16	-7755.63	-23.74	1361.73
			Max. Vy	2	-121.36	1383.41	0.20
			Max. Vx	16	-128.75	-23.74	1361.73
		Diagonal	Max Tension	20	6048.62	0.00	0.00
			Max. Compression	20	-6307.45	0.00	0.00
			Max. Mx	2	5201.37	57.98	-1.18
			Max. My	35	52.55	44.43	5.27
			Max. Vy	33	37.58	50.18	-5.07
TI C	160 140	.	Max. Vx	35	1.60	0.00	0.00
T6	160 - 140	Leg	Max Tension	15	218384.43	-1816.07	0.10
			Max. Compression	2	-240301.24	1975.73	0.26
			Max. Mx	2	-217828.36	2190.55	0.25
			Max. My	16	-8958.30 -193.72	-20.99 2100.55	2063.33
			Max. Vy Max. Vx	2 16	-193.72 -136.12	2190.55 13.00	0.25 1679.34
		Diagonal	Max. vx Max Tension	20	6112.08	0.00	0.00
		Diagonai					
			May Compression	20	-6316.63	0.00	0.00
			Max. Compression	20 33	-6316.63 571.25	0.00 60.49	0.00 -5.90
			Max. Compression Max. Mx Max. My	20 33 35	-6316.63 571.25 71.00	0.00 60.49 55.04	0.00 -5.90 6.24

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Pr	oject NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
CI	ient VB BTS III, LLC	Designed by AJK

Section No.	Elevation ft	Component Type	Condition	Gov. Load	Axial	Major Axis Moment	Minor Axis Moment
	J .	71		Comb.	lb	lb-ft	lb-ft
			Max. Vx	35	1.72	0.00	0.00
T7	140 - 120	Leg	Max Tension	15	246848.72	-1675.38	-0.16
		C	Max. Compression	2	-272551.77	3567.62	-2.04
			Max. Mx	2	-272551.77	3567.62	-2.04
			Max. My	16	-9861.77	8.84	1968.89
			Max. Vy	2	-369.80	3567.62	-2.04
			Max. Vx	16	-89.51	8.84	1968.89
		Diagonal	Max Tension	20	6270.70	0.00	0.00
			Max. Compression	20	-6455.54	0.00	0.00
			Max. Mx	33	523.55	72.99	7.00
			Max. My	35	66.08	67.24	7.32
			Max. Vy	33	46.54	72.99	-6.99
		_	Max. Vx	35	1.85	0.00	0.00
T8	120 - 100	Leg	Max Tension	15	265321.40	-1307.71	-0.43
			Max. Compression	2	-294372.05	2803.37	-1.58
			Max. Mx	2	-282327.90	3567.62	-2.03
			Max. My	16	-11365.51	-156.40	3058.23
			Max. Vy	2	350.01	3567.62	-2.03
		D: 1	Max. Vx	12	-272.47	-156.45	-3054.63
		Diagonal	Max Tension	20	4858.76	0.00	0.00
			Max. Compression	18	-5318.64	0.00	0.00
			Max. Mx	33	400.81	119.85	-15.69
			Max. My	35	-130.78	116.70	15.91
			Max. Vy	33	61.78	119.85	-15.69
T9	100 - 80	Lan	Max. Vx Max Tension	35 15	3.39 282165.72	0.00 -1668.58	0.00 -0.19
19	100 - 80	Leg	Max. Compression	2	-315314.41	1701.33	0.00
			Max. Mx	2	-304246.67	2803.37	-1.58
			Max. My	16	-13704.91	-82.36	2343.23
			Max. Vy	2	221.93	2803.37	-1.58
			Max. Vx	8	-198.08	-65.43	2304.40
		Diagonal	Max Tension	20	5219.01	0.00	0.00
		Diagonai	Max. Compression	20	-5552.18	0.00	0.00
			Max. Mx	33	276.99	189.63	-23.97
			Max. My	30	370.48	173.28	-24.15
			Max. Vy	33	89.25	189.63	-23.97
			Max. Vx	35	4.71	0.00	0.00
T10	80 - 60	Leg	Max Tension	15	299376.39	-5346.33	0.12
			Max. Compression	2	-337561.78	-7564.74	1.19
			Max. Mx	2	-337561.78	-7564.74	1.19
			Max. My	16	-15740.98	-715.36	4634.26
			Max. Vy	2	1489.35	6202.07	-0.01
			Max. Vx	16	-523.57	-715.36	4634.26
		Diagonal	Max Tension	18	6439.92	0.00	0.00
			Max. Compression	21	-6273.11	0.00	0.00
			Max. Mx	33	50.53	226.04	27.84
			Max. My	34	-630.66	202.29	29.55
			Max. Vy	33	97.75	226.04	27.84
	60 40		Max. Vx	34	5.17	0.00	0.00
T11	60 - 40	Leg	Max Tension	15	306264.92	5705.05	-0.72
			Max. Compression	2	-346431.16	11302.29	3.80
			Max. Mx	2	-346256.37	-18195.08	-0.30
			Max. My	16	-16879.97	-1278.45	6935.14
			Max. Vy	2	5945.30	11302.29	3.80
		Diagonal	Max. Vx	16 15	-1241.78	-1278.45	6935.14
		Diagonal	Max Tension	15 18	11370.40 -13234.32	105.47	-5.88
			Max. Compression Max. Mx	18 2	-13234.32 1958.64	0.00 177.03	0.00 9.65
			IVIAX. IVIX	∠	1220.04	1//.03	2.03
					-13106.20		19.52
			Max. My Max. Vy	18 33	-13196.29 -52.40	-49.63 78.30	19.52 16.48

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Project NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
Client VB BTS III, LLC	Designed by AJK

Section No.	Elevation ft	Component Type	Condition	Gov. Load	Axial	Major Axis Moment	Minor Axis Moment
	J	<i>31</i>		Comb.	lb	lb-ft	lb-ft
		Horizontal	Max Tension	16	1618.76	96.36	106.60
			Max. Compression	17	-1711.02	85.42	51.02
			Max. Mx	31	97.44	197.17	96.90
			Max. My	14	1509.97	94.97	113.26
			Max. Vy	31	-98.66	197.17	96.90
			Max. Vx	33	12.03	0.00	0.00
		Redund Horz 1 Bracing	Max Tension	2	4656.82	0.00	0.00
			Max. Compression	15	-4050.00	0.00	0.00
			Max. Mx	36	731.58	-28.04	0.00
			Max. My	34	699.26	0.00	0.81
			Max. Vy	36	21.36	0.00	0.00
			Max. Vx	34	-0.62	0.00	0.00
		Redund Diag 1 Bracing	Max Tension	15	2853.80	0.00	0.00
		Drueing	Max. Compression	2	-3173.44	0.00	0.00
			Max. Mx	34	23.52	-41.62	0.00
			Max. My	35	-129.39	0.00	-1.67
			Max. Vy	34	22.39	0.00	0.00
			Max. Vx	35	0.90	0.00	0.00
T12	40 - 20	Leg	Max Tension	15	324199.09	14454.25	0.79
112	40 20	Deg	Max. Compression	2	-371156.72	11831.98	3.46
			Max. Mx	2	-370963.89	-20145.37	-0.16
			Max. My	16	-19506.97	-1874.18	9765.21
			Max. Vy	2	-6942.05	16317.85	-3.35
			Max. Vx	16	-1997.24	-1874.18	9765.21
		Diagonal	Max Tension	21	10069.96	97.98	-4.99
		Diagonai	Max. Compression	18	-11272.34	0.00	0.00
			Max. Mx	2	3346.06	174.69	10.02
			Max. My	36	-2420.01	69.38	22.53
			Max. Vy	33	-55.62	88.24	20.02
			Max. Vx	36	4.60	0.00	0.00
		Horizontal	Max Tension	16	2764.33	116.14	52.70
		Horizontai	Max. Compression	17	-2788.89	99.72	75.00
			Max. Mx	35	-185.25	262.86	157.98
			Max. My	31	-185.28	262.82	158.03
			Max. Vy	35	-107.80	262.86	157.98
			Max. Vx	31	-16.21	0.00	0.00
		Redund Horz 1 Bracing	Max Tension	2	5547.81	0.00	0.00
		Diacing	Max. Compression	15	-5003.17	0.00	0.00
			Max. Mx	30	812.44	-32.36	0.00
			Max. My	34	1332.51	0.00	0.93
			Max. Vy	30	22.51	0.00	0.00
			Max. Vx	34	-0.65	0.00	0.00
		Redund Diag 1 Bracing	Max Tension	15	3378.23	0.00	0.00
		Diacing	Max. Compression	2	-3895.43	0.00	0.00
			Max. Mx	34	-291.79	-55.81	0.00
			Max. My	35	-430.01	0.00	-2.16
			Max. Vy	34	28.58	0.00	0.00
			Max. Vx	35	-1.11	0.00	0.00
T13	20 - 0	Leg	Max Tension	15	339734.00	854.57	-0.10
115	20 0	Lug	Max. Compression	2	-392046.85	-0.00	0.01
			Max. Mx	2	-388205.84	-20145.37	-0.16
			Max. My	16	-19827.74	-1874.20	9765.20
			Max. Vy	2	-7278.72	16086.81	-3.10
			Max. Vx	16	1143.52	-1874.20	9765.20
		Diagonal	Max Tension	7	10094.14	111.78	6.06
		Diagonal	IVIAN I CHSIOH	/	10024.14	111./0	0.00
		8	Max. Compression	18	-11988.47	0.00	0.00

Nello Corporation 1201 S. Sheridan Street South Bend, IN 46619 Phone: 800-806-3556 FAX:

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Project		Date
N	IS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client	VD DT0 W 11 0	Designed by
	VB BTS III, LLC	AJK

Section No.	Elevation ft	Component Type	Condition	Gov. Load	Axial	Major Axis Moment	Minor Axi Moment
				Comb.	<u>lb</u>	lb-ft	lb-ft
			Max. My	18	-11950.54	-37.82	28.31
			Max. Vy	35	-56.12	112.24	-17.74
			Max. Vx	2	-4.36	0.00	0.00
		Horizontal	Max Tension	16	1090.66	202.50	157.58
			Max. Compression	15	-1239.71	113.89	39.86
			Max. Mx	33	31.72	269.93	124.83
			Max. My	14	1089.58	206.79	185.50
			Max. Vy	33	-120.36	269.93	124.83
			Max. Vx	14	16.40	0.00	0.00
		Redund Horz 1 Bracing	Max Tension	2	6009.57	0.00	0.00
			Max. Compression	15	-5273.59	0.00	0.00
			Max. Mx	31	929.42	-43.18	0.00
			Max. My	35	933.03	0.00	1.25
			Max. Vy	31	27.64	0.00	0.00
			Max. Vx	35	-0.80	0.00	0.00
		Redund Diag 1 Bracing	Max Tension	15	3430.36	0.00	0.00
		C	Max. Compression	2	-4072.35	0.00	0.00
			Max. Mx	34	64.62	-58.95	0.00
			Max. My	34	101.22	0.00	-2.19
			Max. Vy	34	28.75	0.00	0.00
			Max. Vx	34	-1.07	0.00	0.00

Maximum Reactions

Location	Condition	Gov.	Vertical	Horizontal, X	Horizontal, Z
		Load	lb	lb	lb
		Comb.			
Leg C	Max. Vert	18	405742.03	32420.66	-18701.36
	Max. H _x	18	405742.03	32420.66	-18701.36
	Max. H _z	7	-350153.33	-27701.84	15978.15
	Min. Vert	7	-350153.33	-27701.84	15978.15
	Min. H _x	7	-350153.33	-27701.84	15978.15
	Min. H _z	18	405742.03	32420.66	-18701.36
Leg B	Max. Vert	10	405260.88	-32387.54	-18689.64
	Max. H _x	23	-349643.66	27668.31	15966.12
	Max. H _z	23	-349643.66	27668.31	15966.12
	Min. Vert	23	-349643.66	27668.31	15966.12
	Min. H _x	10	405260.88	-32387.54	-18689.64
	Min. H _z	10	405260.88	-32387.54	-18689.64
Leg A	Max. Vert	2	406275.92	6.41	37466.30
	Max. H _x	21	16665.61	888.87	1410.48
	Max. H _z	2	406275.92	6.41	37466.30
	Min. Vert	15	-350792.70	-6.35	-32020.17
	Min. H _x	9	16665.59	-888.55	1410.48
	Min. Hz	15	-350792.70	-6.35	-32020.17

Tower Mast Reaction Summary

Load	Vertical	$Shear_x$	$Shear_z$	Overturning	Overturning	Torque
Combination	lb	lh	lb	Moment, M_x lb -ft	Moment, M_z lb -ft	lb-ft

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Proj	ect NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
Clie	nt VB BTS III, LLC	Designed by AJK

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	<u>lb</u>	<u>lb</u>	<u>lb</u>	lb-ft	lb-ft	lb-ft
Dead Only 1.2 Dead+1.0 Wind 0 deg - No	55660.46 66792.51	0.00 0.00	0.00 -54671.31	861.64 -8646662.27	-180.98 -226.94	0.00 288.18
Ice 0.9 Dead+1.0 Wind 0 deg - No Ice	50094.39	0.00	-54671.31	-8626607.61	-170.22	286.49
1.2 Dead+1.0 Wind 30 deg - No Ice	66792.45	26093.89	-45195.64	-7257403.11	-4190983.95	4703.68
0.9 Dead+1.0 Wind 30 deg - No Ice	50094.35	26093.82	-45195.59	-7240466.26	-4180984.15	4699.93
1.2 Dead+1.0 Wind 60 deg - No Ice	66792.37	44434.39	-25654.21	-4139045.62	-7171095.96	628.24
0.9 Dead+1.0 Wind 60 deg - No Ice	50094.29	44434.28	-25654.14	-4129466.76	-7153988.45	623.35
1.2 Dead+1.0 Wind 90 deg - No Ice	66792.45	52085.39	-0.15	988.60	-8356981.85	-3614.84
0.9 Dead+1.0 Wind 90 deg - No Ice	50094.35	52085.32	-0.11	732.41	-8337127.54	-3619.61
1.2 Dead+1.0 Wind 120 deg - No Ice	66792.51	47258.30	27284.60	4312599.62	-7468033.86	340.58
0.9 Dead+1.0 Wind 120 deg - No Ice	50094.39	47258.31	27284.60	4302209.30	-7450440.88	337.27
1.2 Dead+1.0 Wind 150 deg - No Ice	66792.45	26069.49	45153.99	7249860.18	-4185244.58	4204.55
0.9 Dead+1.0 Wind 150 deg - No Ice	50094.35	26069.49	45153.90	7232409.73	-4175276.77	4203.69
1.2 Dead+1.0 Wind 180 deg - No Ice	66792.37	0.00	51362.27	8294659.39	-226.40	-288.01
0.9 Dead+1.0 Wind 180 deg - No Ice	50094.29	0.00	51362.14	8274665.40	-169.69	-286.35
1.2 Dead+1.0 Wind 210 deg - No Ice	66792.45	-26093.62 -26093.62	45195.79	7259580.39	4190403.28 4180533.46	-4703.69 -4699.93
0.9 Dead+1.0 Wind 210 deg - No Ice 1.2 Dead+1.0 Wind 240 deg -	50094.35 66792.51	-20093.02 -47300.10	45195.70 27308.73	7242103.09 4318212.66	7477302.99	-628.79
No Ice 0.9 Dead+1.0 Wind 240 deg -	50094.39	-47300.10	27308.73	4307806.86	7477302.99	-623.77
No Ice 1.2 Dead+1.0 Wind 270 deg -	66792.45	-52085.40	-0.15	988.03	8356536.66	3614.82
No Ice 0.9 Dead+1.0 Wind 270 deg -	50094.35	-52085.32	-0.11	731.88	8336795.76	3619.60
No Ice 1.2 Dead+1.0 Wind 300 deg -	66792.37	-44392.59	-25630.07	-4133439.83	7160931.85	-340.20
No Ice 0.9 Dead+1.0 Wind 300 deg -	50094.29	-44392.48	-25630.01	-4123876.36	7143964.53	-336.96
No Ice 1.2 Dead+1.0 Wind 330 deg -	66792.45	-26069.76	-45153.84	-7247690.69	4184922.29	-4204.54
No Ice 0.9 Dead+1.0 Wind 330 deg -	50094.35	-26069.68	-45153.79	-7230780.52	4175051.39	-4203.68
No Ice	100150 45	0.00	0.00	225100	600 2 0	0.01
1.2 Dead+1.0 Ice+1.0 Temp	122153.47	-0.00	-0.00	3274.89	-600.28	-0.01
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	122153.47	0.00	-6408.52	-1040169.22	-619.72	33.62
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	122153.47	3112.30	-5390.66	-883569.36	-512682.86	538.43
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	122153.47	5333.94	-3079.55	-504966.74	-881045.79	314.11
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	122153.47	6216.26	-0.00	3345.98	-1022712.01	5.70
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	122153.47	5542.72	3200.09	524089.26	-902571.85	280.54
1.2 Dead+1.0 Wind 150	122153.47	3110.33	5387.25	889463.38	-512217.90	480.20

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Proje	ct	Date
	NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Clien		Designed by
	VB BTS III, LLC	AJK

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M _x	Overturning Moment, M ₂	Torque
	lb	lb	lb	lb-ft	lb-ft	lb-ft
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 180	122153.47	-0.00	6163.50	1021081.43	-619.80	-33.61
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 210	122153.47	-3112.30	5390.66	890264.58	511440.88	-538.44
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 240	122153.47	-5546.13	3202.06	524551.79	902133.51	-314.17
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 270	122153.47	-6216.26	-0.00	3345.97	1021472.56	-5.71
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 300	122153.47	-5330.53	-3077.58	-504504.24	879005.10	-280.50
deg+1.0 Ice+1.0 Temp						
1.2 Dead+1.0 Wind 330	122153.47	-3110.33	-5387.25	-882768.27	510980.79	-480.21
deg+1.0 Ice+1.0 Temp						
Dead+Wind 0 deg - Service	55660.46	0.00	-18521.42	-2887937.96	-186.23	93.89
Dead+Wind 30 deg - Service	55660.46	8855.17	-15337.60	-2425676.03	-1401076.74	1523.62
Dead+Wind 60 deg - Service	55660.46	15088.94	-8711.61	-1383550.25	-2398078.50	200.35
Dead+Wind 90 deg - Service	55660.46	17677.00	-0.00	941.68	-2794055.63	-1169.83
Dead+Wind 120 deg - Service	55660.46	16011.14	9244.04	1441265.41	-2495015.07	106.60
Dead+Wind 150 deg - Service	55660.46	8847.29	15323.96	2424186.52	-1399363.93	1361.22
Dead+Wind 180 deg - Service	55660.46	0.00	17440.79	2774090.61	-185.42	-93.81
Dead+Wind 210 deg - Service	55660.46	-8855.17	15337.61	2427355.01	1400822.37	-1523.62
Dead+Wind 240 deg - Service	55660.46	-16024.79	9251.92	1443093.76	2497813.81	-199.95
Dead+Wind 270 deg - Service	55660.46	-17677.00	-0.00	941.60	2793685.94	1169.82
Dead+Wind 300 deg - Service	55660.46	-15075.29	-8703.73	-1381721.91	2394540.79	-106.55
Dead+Wind 330 deg - Service	55660.46	-8847.29	-15323.95	-2422508.59	1398877.15	-1361.22

Solution Summary

	Sui	m of Applied Forces	·		Sum of Reaction	S	
Load	PX	PY	PZ	PX	PY	PZ	% Error
Comb.	lb	lb	lb	lb	lb	lb	
1	-0.00	-55660.46	-0.00	0.00	55660.46	-0.00	0.000%
2	-0.00	-66792.56	-54671.04	-0.00	66792.51	54671.31	0.000%
3	-0.00	-50094.42	-54671.04	-0.00	50094.39	54671.31	0.000%
4	26093.56	-66792.56	-45195.36	-26093.89	66792.45	45195.64	0.001%
5	26093.56	-50094.42	-45195.36	-26093.82	50094.35	45195.59	0.000%
6	44433.83	-66792.56	-25653.88	-44434.39	66792.37	25654.21	0.001%
7	44433.83	-50094.42	-25653.88	-44434.28	50094.29	25654.14	0.001%
8	52085.00	-66792.56	-0.00	-52085.39	66792.45	0.15	0.001%
9	52085.00	-50094.42	-0.00	-52085.32	50094.35	0.11	0.000%
10	47258.08	-66792.56	27284.46	-47258.30	66792.51	-27284.60	0.000%
11	47258.08	-50094.42	27284.46	-47258.31	50094.39	-27284.60	0.000%
12	26069.42	-66792.56	45153.57	-26069.49	66792.45	-45153.99	0.001%
13	26069.42	-50094.42	45153.57	-26069.49	50094.35	-45153.90	0.000%
14	0.00	-66792.56	51361.62	-0.00	66792.37	-51362.27	0.001%
15	0.00	-50094.42	51361.62	-0.00	50094.29	-51362.14	0.001%
16	-26093.56	-66792.56	45195.36	26093.62	66792.45	-45195.79	0.001%
17	-26093.56	-50094.42	45195.36	26093.62	50094.35	-45195.70	0.000%
18	-47299.88	-66792.56	27308.60	47300.10	66792.51	-27308.73	0.000%
19	-47299.88	-50094.42	27308.60	47300.11	50094.39	-27308.73	0.000%
20	-52085.00	-66792.56	-0.00	52085.40	66792.45	0.15	0.001%
21	-52085.00	-50094.42	-0.00	52085.32	50094.35	0.11	0.000%
22	-44392.03	-66792.56	-25629.75	44392.59	66792.37	25630.07	0.001%
23	-44392.03	-50094.42	-25629.75	44392.48	50094.29	25630.01	0.001%
24	-26069.42	-66792.56	-45153.57	26069.76	66792.45	45153.84	0.001%
25	-26069.42	-50094.42	-45153.57	26069.68	50094.35	45153.79	0.000%
26	-0.00	-122153.47	-0.00	0.00	122153.47	0.00	0.000%
27	-0.00	-122153.47	-6408.53	-0.00	122153.47	6408.52	0.000%

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	Sui	m of Applied Forces	1		Sum of Reaction	S	
Load	PX	PY	PZ	PX	PY	PZ	% Error
Comb.	lb	lb	lb	lb	lb	lb	
28	3112.31	-122153.47	-5390.67	-3112.30	122153.47	5390.66	0.000%
29	5333.95	-122153.47	-3079.56	-5333.94	122153.47	3079.55	0.000%
30	6216.28	-122153.47	-0.00	-6216.26	122153.47	0.00	0.000%
31	5542.73	-122153.47	3200.10	-5542.72	122153.47	-3200.09	0.000%
32	3110.34	-122153.47	5387.26	-3110.33	122153.47	-5387.25	0.000%
33	0.00	-122153.47	6163.51	0.00	122153.47	-6163.50	0.000%
34	-3112.31	-122153.47	5390.67	3112.30	122153.47	-5390.66	0.000%
35	-5546.14	-122153.47	3202.07	5546.13	122153.47	-3202.06	0.000%
36	-6216.28	-122153.47	-0.00	6216.26	122153.47	0.00	0.000%
37	-5330.54	-122153.47	-3077.59	5330.53	122153.47	3077.58	0.000%
38	-3110.34	-122153.47	-5387.26	3110.33	122153.47	5387.25	0.000%
39	-0.00	-55660.46	-18521.41	-0.00	55660.46	18521.42	0.000%
40	8855.17	-55660.46	-15337.60	-8855.17	55660.46	15337.60	0.000%
41	15088.93	-55660.46	-8711.60	-15088.94	55660.46	8711.61	0.000%
42	17676.99	-55660.46	-0.00	-17677.00	55660.46	0.00	0.000%
43	16011.14	-55660.46	9244.03	-16011.14	55660.46	-9244.04	0.000%
44	8847.29	-55660.46	15323.95	-8847.29	55660.46	-15323.96	0.000%
45	-0.00	-55660.46	17440.78	-0.00	55660.46	-17440.79	0.000%
46	-8855.17	-55660.46	15337.60	8855.17	55660.46	-15337.61	0.000%
47	-16024.79	-55660.46	9251.91	16024.79	55660.46	-9251.92	0.000%
48	-17676.99	-55660.46	-0.00	17677.00	55660.46	0.00	0.000%
49	-15075.28	-55660.46	-8703.72	15075.29	55660.46	8703.73	0.000%
50	-8847.29	-55660.46	-15323.95	8847.29	55660.46	15323.95	0.000%

Non-Linear Convergence Results

Load	Converged?	Number	Displacement	Force
Combination		of Cycles	Tolerance	Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00000241
3	Yes	4	0.00000001	0.00000141
4	Yes	4	0.00000001	0.00000554
5	Yes	4	0.00000001	0.00000400
6	Yes	4	0.00000001	0.00000709
7	Yes	4	0.00000001	0.00000485
8	Yes	4	0.00000001	0.00000545
9	Yes	4	0.00000001	0.00000392
10	Yes	4	0.00000001	0.00000242
11	Yes	4	0.00000001	0.00000141
12	Yes	4	0.00000001	0.00000550
13	Yes	4	0.00000001	0.00000397
14	Yes	4	0.00000001	0.00000712
15	Yes	4	0.00000001	0.00000487
16	Yes	4	0.00000001	0.00000554
17	Yes	4	0.00000001	0.00000400
18	Yes	4	0.00000001	0.00000242
19	Yes	4	0.00000001	0.00000141
20	Yes	4	0.00000001	0.00000546
21	Yes	4	0.00000001	0.00000392
22	Yes	4	0.00000001	0.00000707
23	Yes	4	0.00000001	0.00000483
24	Yes	4	0.00000001	0.00000550
25	Yes	4	0.00000001	0.00000396
26	Yes	4	0.00000001	0.00000502
27	Yes	4	0.00000001	0.00001692
28	Yes	4	0.00000001	0.00001692

tnxTower

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29	Yes	4	0.00000001	0.00001697
30	Yes	4	0.00000001	0.00001697
31	Yes	4	0.00000001	0.00001702
32	Yes	4	0.00000001	0.00001703
33	Yes	4	0.00000001	0.00001706
34	Yes	4	0.00000001	0.00001702
35	Yes	4	0.00000001	0.00001698
36	Yes	4	0.00000001	0.00001692
37	Yes	4	0.00000001	0.00001691
38	Yes	4	0.00000001	0.00001689
39	Yes	4	0.00000001	0.00000189
40	Yes	4	0.00000001	0.00000201
41	Yes	4	0.00000001	0.00000210
42	Yes	4	0.00000001	0.00000200
43	Yes	4	0.00000001	0.00000189
44	Yes	4	0.00000001	0.00000201
45	Yes	4	0.00000001	0.00000210
46	Yes	4	0.00000001	0.00000201
47	Yes	4	0.00000001	0.00000189
48	Yes	4	0.00000001	0.00000200
49	Yes	4	0.00000001	0.00000210
50	Yes	4	0.00000001	0.00000201

Maximum Tower Deflections - Service Wind

Section	Elevation	Horz.	Gov.	Tilt	Twist
No.		Deflection	Load		
	ft	in	Comb.	0	0
T1	255.3 - 240	14.748	39	0.6125	0.0093
T2	240 - 220	12.772	39	0.6018	0.0091
T3	220 - 200	10.288	39	0.5387	0.0079
T4	200 - 180	8.117	39	0.4686	0.0064
T5	180 - 160	6.281	39	0.3828	0.0051
T6	160 - 140	4.786	39	0.3113	0.0041
T7	140 - 120	3.539	39	0.2625	0.0032
T8	120 - 100	2.494	39	0.2129	0.0023
T9	100 - 80	1.675	39	0.1639	0.0017
T10	80 - 60	1.067	39	0.1173	0.0013
T11	60 - 40	0.614	39	0.0860	0.0009
T12	40 - 20	0.285	39	0.0565	0.0006
T13	20 - 0	0.076	39	0.0277	0.0003

Critical Deflections and Radius of Curvature - Service Wind

Elevation	Appurtenance	Gov.	Deflection	Tilt	Twist	Radius of
		Load				Curvature
ft		Comb.	in	0	٥	ft
250.00	40,000 sq in CaAa	39	14.062	0.6114	0.0093	215776
239.00	30,000 sq in CaAa	39	12.644	0.5998	0.0090	56732
229.00	30,000 sq in CaAa	39	11.378	0.5711	0.0085	20404

Maximum Tower Deflections - Design Wind

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Section	Elevation	Horz.	Gov.	Tilt	Twist
No.		Deflection	Load		
	ft	in	Comb.	0	٥
T1	255.3 - 240	44.715	2	1.8672	0.0289
T2	240 - 220	38.691	2	1.8340	0.0280
T3	220 - 200	31.124	2	1.6398	0.0246
T4	200 - 180	24.520	2	1.4243	0.0197
T5	180 - 160	18.943	2	1.1613	0.0157
T6	160 - 140	14.413	2	0.9425	0.0127
T7	140 - 120	10.643	2	0.7937	0.0099
T8	120 - 100	7.487	2	0.6426	0.0072
T9	100 - 80	5.022	2	0.4940	0.0052
T10	80 - 60	3.192	2	0.3529	0.0040
T11	60 - 40	1.835	2	0.2584	0.0028
T12	40 - 20	0.848	2	0.1696	0.0018
T13	20 - 0	0.227	2	0.0830	0.0009

Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov.	Deflection	Tilt	Twist	Radius of
		Load				Curvature
ft		Comb.	in	0	0	ft
250.00	40,000 sq in CaAa	2	42.622	1.8639	0.0287	70648
239.00	30,000 sq in CaAa	2	38.300	1.8280	0.0279	18561
229.00	30,000 sq in CaAa	2	34.444	1.7396	0.0264	6657

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T1	255.3 - 240	P2x.154	15.30	5.10	77.8 K=1.00	1.0745	-12921.00	31079.10	0.416 1
T2	240 - 220	P3x.216	20.00	6.67	68.8 K=1.00	2.2285	-66964.50	70976.60	0.943 1
Т3	220 - 200	P5x.258	20.02	6.67	42.6 K=1.00	4.2999	-125040.00	169405.00	0.738 1
T4	200 - 180	P5x.258	20.02	6.67	42.6 K=1.00	4.2999	-168487.00	169405.00	0.995 1
T5	180 - 160	P6x.28	20.02	6.67	35.7 K=1.00	5.5813	-205938.00	228860.00	0.900 1
Т6	160 - 140	P8x.322	20.02	6.67	27.3 K=1.00	8.3993	-240301.00	357982.00	0.671 1
T7	140 - 120	P8x.322	20.02	6.67	27.3 K=1.00	8.3993	-272552.00	357982.00	0.761 1
Т8	120 - 100	P8x.322	20.03	10.02	40.9 K=1.00	8.3993	-294372.00	334421.00	0.880 1
T9	100 - 80	P8x.322	20.03	10.02	40.9	8.3993	-315314.00	334421.00	0.943^{-1}

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Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	$Ratio$ P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n
					K=1.00				~
T10	80 - 60	P10x.365	20.03	10.02	32.7 K=1.00	11.9083	-337562.00	495532.00	0.681 1
T11	60 - 40	P10x.365	20.03	5.01	16.4 K=1.00	11.9083	-346431.00	525490.00	0.659 1
T12	40 - 20	P10x.365	20.03	5.01	16.4 K=1.00	11.9083	-371157.00	525490.00	0.706 1
T13	20 - 0	P10x.365	20.03	5.01	16.4 K=1.00	11.9083	-392047.00	525490.00	0.746 ¹

¹ P_u / ϕP_n controls

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T1	255.3 - 240	L1 3/4x1 3/4x1/8	8.26	4.01	138.6 K=1.00	0.4219	-3430.88	6287.27	0.546 1
T2	240 - 220	L2x2x3/16	9.31	4.45	135.4 K=1.00	0.7150	-10418.50	11157.80	0.934 1
Т3	220 - 200	L2x2x3/16	10.22	4.97	151.4 K=1.00	0.7150	-6993.73	8927.43	0.783 1
T4	200 - 180	L2x2x3/16	11.40	5.57	169.6 K=1.00	0.7150	-6382.94	7111.20	0.898 1
T5	180 - 160	L2 1/2x2 1/2x3/16	12.65	6.15	149.0 K=1.00	0.9020	-6242.02	11624.40	0.537 1
Т6	160 - 140	L2 1/2x2 1/2x3/16	13.95	6.71	162.6 K=1.00	0.9020	-6316.63	9765.99	0.647 1
T7	140 - 120	L2 1/2x2 1/2x3/16	15.28	7.38	178.9 K=1.00	0.9020	-6432.60	8064.89	0.798 1
Т8	120 - 100	L3x3x3/16	18.45	9.09	183.1 K=1.00	1.0900	-5201.71	9305.69	0.559 1
Т9	100 - 80	L3 1/2x3 1/2x1/4	20.16	9.95	172.1 K=1.00	1.6900	-5552.18	16332.00	0.340 1
T10	80 - 60	L3 1/2x3 1/2x1/4	21.92	10.74	185.6 K=1.00	1.6900	-6273.11	14036.80	0.447 1
T11	60 - 40	L3 1/2x3 1/2x1/4	14.87	14.26	157.0 K=1.00	1.6900	-13234.30	19616.20	0.675 1
T12	40 - 20	L3 1/2x3 1/2x1/4	15.62	15.04	165.6 K=1.00	1.6900	-11272.30	17642.90	0.639 1
T13	20 - 0	L3 1/2x3 1/2x1/4	16.40	15.84	174.4 K=1.00	1.6900	-11988.50	15908.70	0.754 1

¹ P_u / ϕP_n controls

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Horizontal Design Data (Co	ompression)
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Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	$Ratio$ P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T11	60 - 40	L3 1/2x3 1/2x1/4	21.00	10.05	221.3 K=1.00	1.6900	-6007.85	9874.22	0.608 1
T12	40 - 20	L3 1/2x3 1/2x1/4	23.00	11.05	243.3 K=1.00	1.6900	-6436.65	8168.21	0.788 1
T13	20 - 0	L4x4x1/4	25.00	12.05	231.4 K=1.00	1.9400	-6798.93	10369.90	0.656 1

¹ P_u / ϕP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T1	255.3 - 240	L2x2x1/8	6.50	6.30	190.2 K=1.00	0.4844	-1159.45	3831.03	0.303 1

¹ P_u / ϕP_n controls

Redundant Horizontal (1) Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T11	60 - 40	L2x2x3/16	5.25	4.80	146.3 K=1.00	0.7150	-6007.85	9566.97	0.628 1
T12	40 - 20	L2x2x3/16	5.75	5.30	161.5 K=1.00	0.7150	-6436.65	7847.67	0.820 1
T13	20 - 0	L2 1/2x2 1/2x3/16	6.25	5.80	140.7 K=1.00	0.9020	-6798.93	13049.20	0.521 1

¹ P_u / ϕP_n controls

Redundant Diagonal (1) Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T11	60 - 40	L2x2x3/16	7.43	6.80	207.1 K=1.00	0.7150	-4253.81	4769.50	0.892 1
T12	40 - 20	L2 1/2x2 1/2x3/16	7.81	7.21	174.7	0.9020	-4372.21	8459.08	0.517^{-1}

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Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	ϕP_n
					K=1.00				~
T13	20 - 0	L2 1/2x2 1/2x3/16	8.20	7.62	184.7 K=1.00	0.9020	-4461.12	7567.78	0.589 1

¹ P_u / ϕP_n controls

Tension Checks

Leg Design Data (Tension)										
Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u	
	ft		ft	ft		in^2	lb	lb	ϕP_n	
T1	255.3 - 240	P2x.154	15.30	5.10	77.8	1.0745	9171.61	48353.90	0.190 1	
T2	240 - 220	P3x.216	20.00	6.67	68.8	2.2285	57222.80	100281.00	0.571 1	
Т3	220 200	D5 250	20.02	((7	42.6	4.2000	112596.00	102404.00	0.582 1	
13	220 - 200	P5x.258	20.02	6.67	42.6	4.2999	112586.00	193494.00	0.382	
T4	200 - 180	P5x.258	20.02	6.67	42.6	4.2999	153376.00	193494.00	0.793 1	
									1	
T5	180 - 160	P6x.28	20.02	6.67	35.7	5.5813	187746.00	251161.00	0.748 1	
									/	
T6	160 - 140	P8x.322	20.02	6.67	27.3	8.3993	218384.00	377967.00	0.578 1	
77.7	140 120	DO 222	20.02	6.65	27.2	0.2002	246040.00	277067.00	0.652.1	
T7	140 - 120	P8x.322	20.02	6.67	27.3	8.3993	246849.00	377967.00	0.653 1	
T8	120 - 100	P8x.322	20.03	10.02	40.9	8.3993	265321.00	377967.00	0.702 1	
10	120 100	10.11.022	20.03	10.02	.0.5	0.5775	200021.00	377707.00	· ·	
T9	100 - 80	P8x.322	20.03	10.02	40.9	8.3993	282166.00	377967.00	0.747^{-1}	
									~	
T10	80 - 60	P10x.365	20.03	10.02	32.7	11.9083	299376.00	535873.00	0.559 1	
TT 1 1	60 40	P10 265	20.02	5.01	16.4	11.0002	20/2/5 00	525072.00	0.572.1	
T11	60 - 40	P10x.365	20.03	5.01	16.4	11.9083	306265.00	535873.00	0.572 1	
T12	40 - 20	P10x.365	20.03	5.01	16.4	11.9083	324199.00	535873.00	0.605 1	
	.0 20	1 10111000	20.03	2.01	10	11.,000	22.122.00	222072.00	1	
T13	20 - 0	P10x.365	20.03	5.01	16.4	11.9083	339734.00	535873.00	0.634^{-1}	
									~	

¹ P_u / ϕP_n controls

Diagonal Design Data (Tension)

Nello Corporation 1201 S. Sheridan Street South Bend, IN 46619 Phone: 800-806-3556 FAX:

Job		Page
	SO33397; Tower 795605; Foundation 795606	50 of 52
Proj	ect NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
Clie	VB BTS III, LLC	Designed by AJK

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
1,0,	ft		ft	ft		in^2	lb	lb	$\frac{1}{\phi P_n}$
T1	255.3 - 240	L1 3/4x1 3/4x1/8	8.26	4.01	88.1	0.3164	3546.79	15424.80	0.230 1
T2	240 - 220	L2x2x3/16	9.31	4.45	86.5	0.5363	10088.70	26142.20	0.386 1
Т3	220 - 200	L2x2x3/16	9.49	4.61	89.7	0.5363	7311.94	26142.20	0.280 1
T4	200 - 180	L2x2x3/16	10.61	5.18	100.7	0.5363	6517.83	26142.20	0.249 1
T5	180 - 160	L2 1/2x2 1/2x3/16	11.81	5.73	88.4	0.6765	6048.62	32979.40	0.183 1
Т6	160 - 140	L2 1/2x2 1/2x3/16	13.95	6.71	103.4	0.6765	6112.08	32979.40	0.185 1
T7	140 - 120	L2 1/2x2 1/2x3/16	14.83	7.16	110.4	0.6765	6270.70	32979.40	0.190 1
Т8	120 - 100	L3x3x3/16	18.45	9.09	116.2	0.8175	4858.76	39853.10	0.122 1
Т9	100 - 80	L3 1/2x3 1/2x1/4	20.16	9.95	109.6	1.2675	5219.01	61790.60	0.084 ¹
T10	80 - 60	L3 1/2x3 1/2x1/4	21.92	10.74	118.2	1.2675	6439.92	61790.60	0.104 1
T11	60 - 40	L3 1/2x3 1/2x1/4	14.87	14.26	157.0	1.2675	11370.40	61790.60	0.184 ¹
T12	40 - 20	L3 1/2x3 1/2x1/4	15.62	15.04	165.6	1.2675	10070.00	61790.60	0.163 ¹
T13	20 - 0	L3 1/2x3 1/2x1/4	16.40	15.84	174.4	1.2675	10094.10	61790.60	0.163 ¹

¹ P_u / ϕP_n controls

Horizontal Design Data (Tension)

Section	Elevation	Size	L	L_{u}	Kl/r	A	P_u	ϕP_n	Ratio
No.				**				Ψ- π	P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T11	60 - 40	L3 1/2x3 1/2x1/4	21.00	10.05	166.0	1.2675	6007.85	61790.60	0.097 1
									~
T12	40 - 20	L3 1/2x3 1/2x1/4	23.00	11.05	182.5	1.2675	6436.65	61790.60	0.104^{-1}
									~
T13	20 - 0	L4x4x1/4	25.00	12.05	173.6	1.4550	6798.93	70931.30	0.096^{-1}
									/

¹ P_u / ϕP_n controls

Top Girt Design Data (Tension)

Nello Corporation 1201 S. Sheridan Street South Bend, IN 46619 Phone: 800-806-3556 FAX:

Job	Page
SO33397; Tower 795605; Foundation 795606	51 of 52
Project	Date
NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	16:33:19 08/11/25
Client VB BTS III, LLC	Designed by AJK

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T1	255.3 - 240	L2x2x1/8	6.50	6.30	120.8	0.3633	1083.57	17710.00	0.061

¹ P_u / ϕP_n controls

Redundant Horizontal (1) Design Data (Tension)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T11	60 - 40	L2x2x3/16	5.25	4.80	93.4	0.5363	6007.85	26142.20	0.230 1
T12	40 - 20	L2x2x3/16	5.75	5.30	103.1	0.5363	6436.65	26142.20	0.246 1
T13	20 - 0	L2 1/2x2 1/2x3/16	6.25	5.80	89.5	0.6765	6798.93	32979.40	0.206 1

¹ P_u / ϕP_n controls

Redundant Diagonal (1) Design Data (Tension)

Section No.	Elevation	Size	L	L_u	Kl/r	Α	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T11	60 - 40	L2x2x3/16	7.43	6.80	132.3	0.5363	4253.81	26142.20	0.163 1
T12	40 - 20	L2 1/2x2 1/2x3/16	7.81	7.21	111.2	0.6765	4372.21	32979.40	0.133 1
T13	20 - 0	L2 1/2x2 1/2x3/16	8.20	7.62	117.5	0.6765	4461.12	32979.40	0.135 1

¹ P_u / ϕP_n controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	$\phi P_{allow} \ lb$	% Capacity	Pass Fail
T1	255.3 - 240	Leg	P2x.154	1	-12921.00	31079.10	41.6	Pass
		Diagonal	L1 3/4x1 3/4x1/8	7	-3430.88	6287.27	54.6	Pass
		Top Girt	L2x2x1/8	5	-1159.45	3831.03	30.3	Pass
T2	240 - 220	Leg	P3x.216	27	-66964.50	70976.60	94.3	Pass
		Diagonal	L2x2x3/16	28	-10418.50	11157.80	93.4	Pass
T3	220 - 200	Leg	P5x.258	48	-125040.00	169405.00	73.8	Pass
		Diagonal	L2x2x3/16	49	-6993.73	8927.43	78.3	Pass

Job	SO33397; Tower 795605; Foundation 795606	Page 52 of 52
Proj	ect NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY	Date 16:33:19 08/11/25
Clie	VB BTS III, LLC	Designed by AJK

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	$\phi P_{allow} \ lb$	% Capacity	Pass Fail
T4	200 - 180	Leg	P5x.258	69	-168487.00	169405.00	99.5	Pass
		Diagonal	L2x2x3/16	70	-6382.94	7111.20	89.8	Pass
T5	180 - 160	Leg	P6x.28	90	-205938.00	228860.00	90.0	Pass
		Diagonal	L2 1/2x2 1/2x3/16	91	-6242.02	11624.40	53.7	Pass
T6	160 - 140	Leg	P8x.322	111	-240301.00	357982.00	67.1	Pass
		Diagonal	L2 1/2x2 1/2x3/16	112	-6316.63	9765.99	64.7	Pass
T7	140 - 120	Leg	P8x.322	132	-272552.00	357982.00	76.1	Pass
		Diagonal	L2 1/2x2 1/2x3/16	133	-6432.60	8064.89	79.8	Pass
T8	120 - 100	Leg	P8x.322	153	-294372.00	334421.00	88.0	Pass
		Diagonal	L3x3x3/16	154	-5201.71	9305.69	55.9	Pass
T9	100 - 80	Leg	P8x.322	168	-315314.00	334421.00	94.3	Pass
		Diagonal	L3 1/2x3 1/2x1/4	169	-5552.18	16332.00	34.0	Pas
T10	80 - 60	Leg	P10x.365	183	-337562.00	495532.00	68.1	Pas
		Diagonal	L3 1/2x3 1/2x1/4	184	-6273.11	14036.80	44.7	Pass
T11	60 - 40	Leg	P10x.365	198	-346431.00	525490.00	65.9	Pas
		Diagonal	L3 1/2x3 1/2x1/4	200	-13234.30	19616.20	67.5	Pas
		Horizontal	L3 1/2x3 1/2x1/4	206	-6007.85	9874.22	60.8	Pas
		Redund Horz 1	L2x2x3/16	211	-6007.85	9566.97	62.8	Pas
		Bracing						
		Redund Diag 1 Bracing	L2x2x3/16	231	-4253.81	4769.50	89.2	Pas
T12	40 - 20	Leg	P10x.365	240	-371157.00	525490.00	70.6	Pas
		Diagonal	L3 1/2x3 1/2x1/4	242	-11272.30	17642.90	63.9	Pas
		Horizontal	L3 1/2x3 1/2x1/4	248	-6436.65	8168.21	78.8	Pas
		Redund Horz 1 Bracing	L2x2x3/16	253	-6436.65	7847.67	82.0	Pas
		Redund Diag 1 Bracing	L2 1/2x2 1/2x3/16	273	-4372.21	8459.08	51.7	Pas
T13	20 - 0	Leg	P10x.365	282	-392047.00	525490.00	74.6	Pass
		Diagonal	L3 1/2x3 1/2x1/4	284	-11988.50	15908.70	75.4	Pas
		Horizontal	L4x4x1/4	290	-6798.93	10369.90	65.6	Pas
		Redund Horz 1 Bracing	L2 1/2x2 1/2x3/16	295	-6798.93	13049.20	52.1	Pas
		Redund Diag 1 Bracing	L2 1/2x2 1/2x3/16	318	-4461.12	7567.78	58.9	Pas
		· ·					Summary	
						Leg (T4)	99.5	Pass
						Diagonal (T2)	93.4	Pas
						Horizontal (T12)	78.8	Pas
						Top Girt (T1)	30.3	Pas
						Redund Horz 1 Bracing (T12)	82.0	Pas
						Redund Diag 1 Bracing (T11)	89.2	Pas
						RATING =	99.5	Pass

Drilled Pier Foundation Design

Order/Quote Number: SO33397 795606 Part Number: Tower Model: Company: Site:

/95000 NSX 26 *x 255.3' VB BTS III, LLC. NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY



1201 South Sheridan St. 574-288-3632 (phone)
South Bend, IN 46619 574-288-5860 (fax)

Tower Reactions (Factored)	1	
Leg Compression:	406.276	kips
Leg Uplift:	350.793	kips
Leg Shear:	37.466	kips
Tower Shear:	54.671	kips
Tower Moment:	8646.662	ft-kips
Tower Weight:	66.793	kips

i oundation Dimensions	
Pier Diameter:	6.5 ft
Pier Extension:	0.5 ft
Pier Depth:	21 ft
Total Pier Length:	21.5 ft
Volume per Pier:	26.4 yd ³
Total Volume:	79.3 yd ³
Site Details	
Rock Depth:	8 ft
Frost Depth:	2.5 ft
Water Depth:	999 ft
Upper Pier Neglected:	5 ft
Minimum Pier Depth:	ft

Rock Depth:	8	π
Frost Depth:	2.5	ft
Water Depth:	999	ft
Upper Pier Neglected:	5	ft
Minimum Pier Depth:		ft
Soil Induced Uplift Load:		kips
Seismic Site Class:	D	TIA-222-H 2-10
Mapped Response Acc., S _s :	0.398	g
Design Response Acc., S _{DS} :	0.393	g
Design Response Acc., S _{D1} :	0.169	g
Seismic Design Category:	С	
Soil Corrosion Risk:		
Soil Weight:	110	pcf

Foundation Design Reactions		
Additional Load Factor:	1.00	
Compression:	406.276 kips	
Uplift:	350.793 kips	
Shear	37 466 kins	

Shear Load:	49.955 lb
	.,
Moment Load:	0 lb-in
Axial Load:	541.701 lb

Tower Base Width:	26	ft
Base Leg Diameter (Nom.):	10	in
Base Leg Member:	Pipe	~
Bracing System:	K-Braced	-

Concrete St	rength:	4500	psi	
Concrete Weight:		150	pcf	
Rebar Yield Strength:		60	ksi	
Clear Cover:		3	in	
Clear Cover (Top of Pier):		3	in	
Geotechnical F	eport		-	
Company:	Engineered T	ower Solutions		
Date:	5/19/2025			
Project:	25135499			

Uplift Resistance Factor, Phi:	0.75
Compressive Resistance Factor, Phi:	0.75
Bearing Capacity Resistance, Phi:	0.75
Lateral Resistance Factor, Phi:	0.75

Uplift:	OK	97.1%
Uplift Cone Check:	ок	68.9%
Compression:	ок	39.5%
Minimum 3 Pier Diameter Spacing:	OK	
Max Pier Length / Diameter Ratio:	ок	
Neglect Frost Depth:	OK	
Neglect Top Portion of Pier:	OK	
Minimum Depth:	OK	
Pier Compressive Strength:	ок	4.4%
Pier Tensile Strength:	OK	25.7%
Minimum Vertical Reinforcement:	OK	
Rebar Strength:	OK	
Rebar Spacing:	OK	
Compressive Shear:	ок	
Anchor Bolt Strength:	ок	67.7%
Anchor Bolt Development:	OK	
Embedment Plate Fit:	ок	
Seismic Lateral Restraint:	ОК	

Max. Foundation Capacity Rating 97.1%

Compression	/Uplift Resistand	ce Design																	
						Allowable S	Skin Friction			Ultimate Ski	n Friction		Net	Concrete Weigh	nt ⁽¹⁾			Friction R	Resistance
Layer	Depth	Depth	Length	Diameter	Up	olift	Compre	ssion	U	plift	Compr	ession	Weight	Compression	Uplift	Ultimate	Bearing	Uplift	Comp.
	(ft)	(ft)	(ft)	(ft)	(ksf)	Safety	(ksf)	Safety	(ksf)	(kips)	(ksf)	(kips)	(pcf)	(kips)	(kips)	(ksf)	(kips)	(kips)	(kips)
1	-0.5	0	0.5	6.5	0.000	Factor	0.000	Factor	0.000	0.00	0.000	0.00	150	2.49	2.49	Allowable	FS	0.00	0.00
2	0	5	5	6.5	0.000	1.0	0.000	1.0	0.000	0.00	0.000	0.00	150	6.64	24.89	40.00	1.0	0.00	0.00
3	5	6	1	6.5	0.300	1.0	0.300	1.0	0.300	6.13	0.300	6.13	150	1.33	4.98	0.00	0.00	6.13	6.13
4	6	8	2	6.5	0.300	1.0	0.300	1.0	0.300	12.25	0.300	12.25	150	2.65	9.95	0.00	0.00	12.25	12.25
5	8	10	2	6.5	0.500	1.0	0.500	1.0	0.500	20.42	0.500	20.42	150	2.65	9.95	0.00	0.00	20.42	20.42
6	10	21	11	6.5	1.400	1.0	1.400	1.0	1.400	314.47	1.400	128.65	150	14.60	54.75	0.00	0.00	314.47	128.65
7	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
8	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
9	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
10	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
11	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
12	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
13	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
14	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
15	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
16	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
17	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
18	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
19	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
20	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
21	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	0.00	0.00	0.00	0.00
22	21	21	0	6.5		0.0	0.000	0.0	0.000	0.00	0.000	0.00	150	0.00	0.00	40.00	1327.32	0.00	1327.32
Total	·									353.27		167.45		30.36	107.02		1327.32	361.27	1121.08
																		OK	OK

Extended Pier: Yes 97.1% 39.5%

Uplift Cone R	tesistance - Weig	ght of Soil Cor	ne	Prominent Su	bsurface Mate	erial Type:	Cohesionless Soil /	Rock •					
Pier	Pier	Pier Pier Pier Friction Soil Cone Frustum						Soil	Soil	Uplift			
Depth	Depth	Diameter	Volume	Weight	Angle	Weight	Height	Radius	Radius	Volume	Volume	Weight	Capacity
(ft)	(ft)	(ft)	(ft^3)	(kips)	(deg)	(kcf)	(ft)	(ft)	(ft)	(ft^3)	(ft^3)	(kips)	(kips)
0	5	6.5	165.92	24.89	0	0.110	5.00	12.49	12.49	2450	2284	251.19	207.06
5	21	6.5	530.93	79.64	30	0.110	16.00	3.25	12.49	3470	2939	323.27	302.19
21	21	6.5	0.00	0.00	30	0.110	0.00	3.25	3.25	0	0	0.00	0.00
												OK	509.25
Vertical Rein	forcement Desig	n											69%

														J				
Vertical Reinf	orcement Desig	n											69%					
					Total			Minimum	Rebar				Equival	ent Pipe				
Number	Bar	Bar	Bar	Bar	Bar	Bar	Total	Bar Area	Circle	Ctr-Ctr	Clear	Outer	Inner		Section	Induced	Induced	Design
of Bars	Size	Length	Diameter	Weight	Weight	Area	Bar Area	Required	Diameter	Spacing	Spacing	Diameter	Diameter	Thickness	Modulus	Moment	Stress	Stress
		(in)	(in)	(lb/ft)	(lb)	(sq in)	(sq in)	(sq in)	(in)	(in)	(in)	(in)	(in)	(in)	(in ^ 3)	(ft-kips)*	(ksi)	(ksi)
32	8	252	1.000	2.670	1794	0.79	25.28	23.89	69.750	6.8	5.8	69.87	69.63	0.231	440.1	341.25	23.18	54
							OK	TIA-222 H-9.4.1	1		OK						OK	42.9%

Pier Axial Strength - Compression and Tension Design Tensile Strength (kip) 1365.12 Compressiv Strength Reduction Factor Design Compressive Strength (kip) Tensile Strength (kip) 1.10 0.044 0.90 0.257

Develonment	Length - Vertica	ıl Rehar	10/0/0/14/12.4.1.		- Un	3/0/0/422.40.	
Bar Size	Reinf. Location Factor, α	Coating Factor, β	Reinf. Size Factor, y	Lightwt. Aggregate Factor, \(\lambda\)	Spacing or Cover, c	Transverse Reinf. Index, K _{tr}	Develop. Length

8 1.0 1.0 1.0 1.0 3.42 0.0 26.8

Tie Reinforce	ment Design														
				Total					Maximum		Number	Actual	Number		
Number	Bar	Bar	Bar	Bar	Bar	Overlap	Total		Tie	Zone	of Tie	Tie	of Ties		
of Bars	Size	Diameter	Weight	Weight	Area	Length	Length	Zone	Spacing	Distance	Spaces	Spacing	per Zone	Standard	Confinement
		(in)	(lb/ft)	(lb)	(sq in)	(in)	(in)		(in)	(in)		(in)		А	pplied

ſ									End	5	5	1	5	2
l	30	5	0.625	1.043	636	0.31	19.0	244.0	Тор	6	72	12	6	12
l	30	3	0.023	1.043	030	0.31	19.0	244.0	Middle	12	169.375	15	11 5/16	14
l									End	5	5	1	5	2

.

Shear (Compression)

Distance to Compressive

Max. Shear Shear Shear (Uplift)
Factored Nom. Shear
Axial Force Concrete Axial Force Tension Reinf Strength 386.880 800.733 350793 557.126 708.004

ACKS16-14 22.5 OK

6.6% ACKS16-14 22.5 OK

ACKS16-14 22.5 OK

ACKS16-14 22.5 OK

7.6% $A_{vmin}\,(in^2)$ $A_v (in^2)$ 0.620 **OK** 0.000 7.5%

Splice Length - Ties

Oplice Lengti	1-1103								
	Reinf.		Reinf.	Lightwt.	Spacing	Transverse	Development	Splice	Splice
Bar	Location	Coating	Size	Aggregate	or Cover,	Reinf.	Length	Length	Length
Size	Factor, α	Factor, β	Factor, y	Factor, A	c (in)	Index, K _{tr}	(in)	Tolerance (in)	1.3 * [_d (in)
5	1.0	1.0	0.8	1.0	3.31	0.0	13.4	1.0	18.4

1.0 1.0 0.8 1.0 3 ACI-318-14 25.42.4318-14 Table 25.4CI-408-03-4.5.2-318-14 Table 25.4.2.4 ACI-318-14 25.4.2.:-318-14 Table 25.4.2.2 ACI-318-14 Table 25.5.2.1

Number of Bolts	Bolt Diameter (in)	Bolt Length (in)	Anchor Bolt P/N	Bolt Projection (in)	Projection Tolerance Above (in)	Projection Tolerance Below (in)	Plate PN	Plate O.D. / Width	Plate I.D.	Bolt Circle Diameter (in)	Plate Thickness (in)
10	1.00	60	102970	5.75	0.1875	-0.25	139914	16.75	11.75	14.25	0.5

Std. Pattern

Bolt Threads per Inch	Gross Area (in ²)	(in ²)	Strength (ksi)	Ultimate Tensile Stress (ksi)	Resistance Factor	Bolt Nominal Tensile Strength (kip)	Bolt Design Tensile Strength (kip)	Nominal Shear Rupture Strength (kip)	Strength (kip)	Shear Yield Strength (kip)	Interaction Equation	Length (in)	Engaged by Bolts (in)	required (in)	Plate (in)
8	0.785	0.606	105	125	0.75	75.718	56.788	49.087	63.603	19.081	0.677	54.06	28.64	26.83	26.00

- Notes

 Foundation design is based on the Geotechnical Report dated 05/19/2025, by Engineered Tower Solutions; Project No. 25135499.

 Groundwater was not encountered during the geotechnical investigation.
- This drilled pier design extends beyond the boring depth of the geotechnical investigation. A qualified geotechnical engineer shall verify that conditions of the soil at this depth meet or exceed assumed parameter. Rock conditions were encountered about 8 feet bgs in the geotechnical investigation.

SST Drilled Pier Foundation Design Summary

Max. Foundation Capacity Rating:	97.1%
maxi i camaaacii capaciiy i taanig.	0

FOUNDATION DIMENSIONS					
Tower Width:	26	ft			
Pier Extension:	0.5	ft			
Pier Depth:	21	ft			
Pier Diameter:	6.5	ft			
Clear Cover:	3	in			
Clear Cover (Top of Pier):	3	in			
Volume per Pier:	26.4	yd ³			
Total Volume:	79.3	vd^3			

PIER REINFORCEMENT					
Bar Size:	8				
Bar Length:	252	in			
On Center Spacing:	6.8	in			
Quantity per Pier:	32				
Total Quantity:	96				
Weight per Pier:	1794	lbs			
Total Weight:	5382	lbs			

TIE REINFORCEMENT				
Bar Size:	5			
Bar Length:	244	in		
Circular Tie Outer Diameter:	72	in		
Overlap:	19	in		
Tie Termination Type:	Ove	erlap		
Quantity per Pier:	30			
Total Quantity:	90			
Top Zone - Quantity:	2			
Top Zone - Spacing:	5	in		
Anchor Zone - Quantity:	12			
Anchor Zone - Spacing:	6	in		
Middle Zone - Quantity:	14			
Middle Zone - Spacing:	11.3125	in		
Bottom Zone - Quantity:	2			
Bottom Zone - Spacing:	5	in		
Weight per Pier:	636	lbs		
Total Weight:	1908	lbs		

TOWER REACTIONS					
Leg Compression:	406.3	kip			
Leg Uplift:	350.8	kip			
Leg Shear:	37.5	kip			
Tower Shear:	54.7	kip			
Tower Moment:	8646.7	ft-kip			
Tower Weight:	66.8	kip			

MATERIAL SPECIFICATIONS					
Concrete Strength:	4500	psi			
Concrete Weight:	150	pcf			
Rebar Yield Strength:	60	ksi			

ANCHORING DETAILS				
Anchor P/N:	102970			
Anchor Diameter:	1	in		
Anchor Length:	60	in		
Anchor Quantity per Leg:	10			
	Std. Pattern			
Anchor Projection:	5.75	in		
	+ 0.1875"	-0.25"		
Bolt Circle Diameter:	14.25	in		
Template P/N	139	914		

BACKFILL CRITERIA (NON-STRUCTURAL)				
Loose Lift Thickness:	8	in		
Percent Compaction:	95%			
ASTM Standard:	D698			
Optimum Moisture	2%			
Content:	-2%			

ECO #: 8136

ADDITIONAL NOTES

- Foundation design is based on the Geotechnical Report dated 05/19/2025, by Engineered Tower Solutions; Project No. 25135499.
- Groundwater was not encountered during the geotechnical investigation.
- This drilled pier design extends beyond the boring depth of the geotechnical investigation. A qualified geotechnical engineer shall verify that conditions of the soil at this depth meet or exceed assumed parameter.
- Rock conditions were encountered about 8 feet bgs in the geotechnical investigation.

Template: Drilled Pier.xls N:\SO\33397\795606.dp.xls

Combined Foundation Design

Order/Quote Number: Part Number: Tower Model: 795606 NSX 26' x 255.3' Company: Site:

VB BTS III, LLC. NS 255.3' - US-KY-5421 / Davisburg - Bell Co., KY

Tower	Reactions	(Factored)

Shear:	54.671	kips
Moment:	8646.662	ft-kips
Weight:	66.793	kips
Leg Compression:	406.276	kips
Leg Uplift:	350.793	kips
Leg Shear:	37.466	kips

Detai	

Site Details					
SoilType:	Sand	•			
Soil Unit Weight (Backfill):		110	pcf		
Allowable Bearing Pressure:		10000	psf		
Factor of Safety:		1			
Ultimate Bearing Pressure:	1	0,000	psf	_	
Bearing Pressure Type:	Net Bearing	Pressure			
Angle of Internal Friction:		30	degre	ees	
Cohesion:		0	psf		
Sliding Friction Coefficient:		0.35			
Frost Depth (Neglected):		2.5	ft		
Min. Bearing Depth:		2.5	ft		
Water Depth:		999	ft		
Rock Depth:		8	ft		
Passive Pressure Coefficient:		3.00			
Active Pressure Coefficient:		0.33			

Design Dimensions		
Tower Base Width:	26	ft
Base Leg Diameter (Nominal):	10	in
Base Leg Member:	Propos (W	
Tower Bracing System:		
Pier Extension:	0.5	ft
Pier Diameter:	4	ft
Depth:	7	ft
Pad Thickness:	1.75	ft
Pad Width:	32.5	ft

ad Width:	32.5	tt
Tower Offset	☑	Tower Center is

		Oliset
Eccentricity:	3.75	ft
Distance Between Piers	22.52	ft
Edge 1	3.25	ft
Edge 2	4.99	ft
Edge 3	4.99	ft
Soil Corrosion Risk:		

Foundation Design Positions

roundation besign reactions	
Additional Load Factor:	1.00
Shear:	54.671 kips
Moment:	8646.662 ft-kips
Weight:	66.793 kips
Compression:	406.276 kips
Uplift:	350.793 kips
Individual Shear:	37.466 kips

Geotechnical Report Company: Date:

Project:	25135499				
Seismic Site Class:		D		TIA-222-H 2-10	Ξ
Design Response A	cc., S _{DS} :	0.393	g		Ξ
Design Response A	cc., S _{D1} :	0.169	g		Ξ
Seismic Design Cat	egory:	С			

Concrete Unit Weight:	150	pcf
Concrete Strength:	4500	psi
Rebar Yield Strength:	60	ksi
Clear Cover:	3	in
Clear Cover (Top of Pier):	3	in
Clear Cover Tolerance, +/- (Top of Piers):	1	in

Development Length Requirements

Pad Reinforcement Location Factor:		1.0	ACI-318-14 R25.4.2.2	
Pier Reinforcement Location Factor:		1.0	ACI-318-14 R25.4.2.2	
Coating Factor:		1.0	ACI-318-14 R25.4.2.2	
Lightweight Concrete Factor:		1.0	ACI-318-14 R25.4.2.2	
Transverse Reinforcement Index:		0.0	in ACI-318-14.25.4.2.3	
Pad Development Length Reduction:			No Reduction	ACI-318-14 25.4.10
Compressive Development Length Red:	V		Yes; Utilize Reduction	ACI-318-14 25.4.10
Tension Development Length Reduction:			No Reduction	ACI-318-14 25.4.10
Pad Ties Development Length Reduction:			No Ties in Pad	ACI-318-14 25.4.10

Maximum Foundation Capacity Rating:

0.19



N

1201 South Sheridan St. South Bend, IN 46619

0 574-288-3632 (phone 574-288-5860 (fax) www.nelloinc.com

ANSI/TIA-222-H - Design Factors Uplift Resistance Factor, Phi: 0.75 0.75 0.75 Compressive Resistance Factor, Phi: Bearing Capacity Resistance, Phi: Lateral Resistance Factor, Phi: 0.75

Summary Check

36.63

0.26

Average

0.22

Summary Check	
Minimum Depth: TIA-222-H 9.3	OK
Lateral Check:	OK
Overturning Check:	ОК
Maximum Eccentricity Check:	ок
Bearing Check:	ОК
Concrete Strength Check:	ОК
Max Pad Reinforcement Spacing:	OK
Min. Pad Reinforcement Spacing:	OK
Pad Constructability Check:	OK
Min. Pad Reinforcement Check:	ОК
Pad Reinforcement Yield Check:	ОК
Pad Flexural Check:	ОК
Pad Development Length:	ОК
One Way Shear Check:	OK
Two-Way Shear Check:	OK
Vertical Bar Quantity Check:	OK
Min/Max Vertical Bar Spacing Check:	OK
Pier Constructability Check:	OK
Minimum Vertical Reinforcement:	OK
Pier Compressive Strength:	OK
Pier Reinforcement Stress:	OK
Compressive Development in Pier:	ОК
Compressive Development in Footing:	ОК
Tensile Development in Pier:	OK
Tensile Development in Footing:	HOOK REQ'D
Hook Development Length:	OK
Space of Hook:	OK
Rebar Engaged by Anchors:	OK
Plate & Rebar Spacing Check:	OK
Anchor Embedment Clearance:	PIER ONLY
Anchor Strength Check:	OK
Anchor Concrete Punching Check:	ок

weight								
		Total					Total	Total Factored
Concrete Pad	Concrete	Concrete	Concrete	Soil	Soil	Soil Weight	Dead	Dead Load
Volume	Pier Volume	Volume	Weight	Volume	Weight	Removed	Load	(LC:0.9D controls)
(cubic yd)	(cubic yd)	(cubic yd)	(kips)	(cubic yd)	(kips)	(kips)	(kips)	(kips)
68.46	2.68	76.49	309.78	198.05	588.21	813.31	948.09	858.29

ps) (kips) (kips)
3.31 948.09 858.29
TIA-222-H 9.4 TIA-222-H 9.4
Ultimate Active Pressure
@ Top of @ Bottom
GWT Average Footing of Footing @ GWT
13

2.0	47.0	0.00	1.70	2.01	1.70	023.01	
OK		·					
			Nominal	Nominal	Nominal	Design	
	Effective	Effective	Passive	Active	Friction	Lateral	
	Pad Thickness	Pad Area	Resistance	Loading	Resistance	Resistance	
	(ft)	(sq ft)	(kips)	(kips)	(kips)	(kips)	
	1.75	56.875	114.96	12.77	331.83	325.51	

325.51 ок 16.8%

Overturning	TIA-H-222 9.4				TIA-H-222 9.4		TIA-H-222 9.4.1
Weight of Soil	Moment	Moment	Moment	Moment		Design	Maximum
Wedge on	Resistance	Resistance	Resistance from	Loading from	Overturning	Overturning	Eccentricity
Back Face	From Weight	from Soil Wedge	Passive Pressure	Active Pressure	Moment	Resistance	(LC: 0.9D)
(kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft)
50.57	13759.21	1711.61	67.06	7.45	9244.69	15087.62	10.8
						OK	OK
		Solv	e for Min. Pressure			61.3%	73.6%
Bearing Pressur	re			0.000	readsheet is solved.		

Case 1: Entir	re Mat is in Pos	itive Bearing		Case 2: Back Edge of Mat is Uplifting Adjusted Minimum Maximum Back Edge of				Maximum	Width	Net Bearing	Net Bearing	Maximum
Minimum	Maximum	Entire Mat is in	Adjusted				Gross Bearing	Net Bearing	of Bearing	Pressure	Pressure	Bearing
Pressure	Pressure	Positive Bearing	•				Pressure	Pressure	Section	at Pier 1	at Pier 2	Pressure
(ksf)	(ksf)	(TRUE/FALSE)	(ft)	(ksf)	(ksf)	(TRUE/FALSE)	(ksf)	(ksf)	ft	(ksf)	(ksf)	(ksf)
-0.75	2.54	FALSE	18.90	0.00	3.09	TRUE	3.09	2.32	18.90	1.46	0.00	2.32
												OK
												30.9%

Number	Bar	Bar	Bar	Bar	Total Bar	Bar	Total Bar Area per Layer	Minimum Bar Area	Ctr-Ctr	Clear
of Bars	Size	Length	Diameter	Weight	Weight	Area	per Direction	Required	Spacing	Spacing
OI Dais	Size	(in)	(in)	(lb/ft)	(lb)	(sq in)		(sq in)	(in)	(in)
							(sq in)			
42	8	384	1.00	2.67	14354	0.79	33.18	7.37	9.3	8.3
							OK		OK	oĸ
									Constructability:	OK

				Flexural Streng	th				Required	Available
Effective	Effective	Compressive	Concrete	Edge	Inner	Corner	Factored	Design	Development	Development
Depth	Width	Moment	Length	Length						
(in)	(in)	(ft-kips)	(in)	(in)						
17.00	390.00	2438.64	26.83	32.90						
ACI-318-14 2.3		ок	ACI-318-14 25.4.2.3a	OK						
		A		96.7%	1					

Concrete She	ar Capacity		Shear Strength Red	uction Factor =	0.75					
			One-Way She	ar				Two-Way Shear		
Effective	Effective	Factored	Nominal Concrete	Nominal Rebar	Design Shear	Shear	Factored	Nominal Concrete	Nominal Rebar	Design
Shear Depti	Shear Width	Shear Force	Shear Strength	Shear Strength	Strength	Perimeter	Shear Force	Shear Strength	Shear Strength	Shear Strength
(ft)	(ft)	(kips)	(kips)	(kips)	(kips)	(ft)	(kips)	(kips)	(kips)	(kips)
1.38	32.50	121.72	863.35	0.00	647.51	12.46 373.15 662.16 0.00				496.62
ACI-318-14 2.3			ACI -318-14 22.5.5.1	ACI -318-14 22.5.1.1	OK			ACI-318-14 22.6.1.2	ок	
					18.8%	ACI-318-14 22.6.4.1				75.1%
					ACI-318-14 22.5.1.1					ACI-318-14 22.6.1.3

Tie Reinforcement Design

	Bar Size	Bar Diameter (in)	Bar Weight (lb/ft)	Total Bar Weight (lb)	Bar Area (sq in)	Overlap Length (in)	Total Length (in)	Zone	Maximum Tie Spacing (in)	Zone Distance (in)	Number of Tie Spaces	Actual Tie Spacing (in)	Number of Ties per Zone
13	4	0.50	0.67	107	0.20	18.0	148.4	End Top Middle Pad	5 0 6 N/A	5 0 61 N/A	1 0 11 N/A	5 0 5 9/16 N/A	2 0 11 N/A

Shear (Compres	sion)									Shear (Uplift)		
Factored	Distance to	Ratio of A _s to	Concrete	Pier Gross	Nom. Strength	Minimum	Total Bar	Nom. Strength	Des. Shear	Factored	Nom. Shear	Des. Shear
Axial Force	Tension Reinf.	b _w d	Weight	Area	Concrete	Bar Area	Area	Reinforcement	Strength	Axial Force	Concrete	Strength
N _u (lb)	d (in)	ρ_{w}	W _c (lb)	A _g (in ²)	V _c (kip)	A _{vmin} (in ²)	$A_v (in^2)$	V _s (kip)	φV _n (kip)	N _u (lb)	V _c (kip)	φV _n (kip)
406433	38.400	0.007	157.080	1809.557	275.062	0.000	0.400	307.200	436.697	406119	136.292	332.619
ACI-318-14 22.5.2.2 ACI-318-14 2.2 ACI-318		ACI-318-14 22.5.6.1	ок	OK	ACI-318-14 22.5.10.5.3	OK		ACI-318-14 22.5.7.1	OK			
							ACI-318-14 22.5.10.6		8.6%			11.3%
						ACI-318-14 18.12.7.6			ACI-318-14 22.9.3.1			ACI-318-14 22.9.3.1

Transverse	Development	Splice	Splice
Reinf.	Length	Length	Length
Index, K _{tr}	l d	Tolerance	1.3 * [d

1.0 0.8 1.0 2.78

or Cover

Lightwt.

Pier Vertical Reinforcement Design

Location Factor, α

Splice Length - Ties

Number of Bars	Bar Size	Bar Diameter (in)	Hook Bend Radius (in)	Hook Extension Length (in)	90 degree Std. Hook Length (in)	Bar Length (in)	Bar Area (sq in)	Pier Gross Area (sq in)	Total Bar Area (sq in)	Minimum Bar Area Required (sq in)	Ctr-Ctr Spacing (in)	Clear Spacing (in)
20	7	0.88	2.63	10.50	13.13	94.00	0.60	1809.56	12.00	9.05	6.3	5.4
ОК			ACI 318-14 Table 25.3.1	ACI 318-14 Table 25.3.1	ACI 318-14 Table 25.3.1					ок		ок
										TIA-222-H 9.4.1	Constructability:	OK

Development Le	evelopment Length - Vertical Pier Reinforcement						Hook Developmer	nt Length			Space for Hook			
	Compressiv	e Development			Tension Developmen	nt	Basic		Required	Development		Space	Space	
Required	· · · · · · · · · · · · · · · · · · ·			Required	Available in	Available in	Development	Concrete	Development	Length	Hook Orientation	Available for	Required	
Length Length Adj. Pier Footing		Length	Length Pier Footing			Cover Factor	Length	Available	TIOOK OTICITATION	Hook	for Hook			
(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)		(in)	(in)		(in)	(in)	
15.75	8.00	66.00	16.00	23.48	66.00	16.00	15.65	0.7	11.0	16.00	Hooks Extend	15.50	13.1	
ACI-318-14 25.4.9.2	ACI-318-14 22.4.10.	ок	OK	ACI-318-14 25.4.2.3.a	OK	HOOK REQ'D	ACI-318-14 25.4.3.1	ACI-318-14 Table 25.4.3.2	ACI-318-14 25.4.3.1	OK	Outward		OK	

Pier Axial Stren	gth - Compressi	ion and Tension					Reinforcement Str	ess					
	Nominal	Compressive	Design				Diameter of		Equivale	nt Pipe			
Pier Gross	Compressive	Strength	Compressive	Nominal Tensile	Tensile Strength	Design Tensile	Reinforcement	Outer	Inner		Section	Reinforcement	Design
Area	Strength	Reduction	Strength	Strength	Reduction	Strength	Circle	Diameter	Diameter	Thickness	Modulus	Stress	Stress
(in ²)	(kip)	Factor	(kip)	(kip)	Factor	(kip)	(in)	(in)	(in)	(in)	(in ^ 3)	(ksi)	(ksi)
1809.56	7595.66	0.65	3949.74	720.00	0.90	648.00	40.13	40.22	40.03	0.190	120.1	50.76	54
<u> </u>	ACI-318-14 22.4.2.2 CI-318-14 Table 21.2. OK ACI-318-14 22.4.3.1 ACI-318-14 Table 2				ACI-318-14 Table 21.2.2	OK							ok
	10.3%					54.1%							94.0%

	Anchor Bolt Desi	gn												
	Bolt Threads per Inch	Gross Area (in²)	Bolt Net Area (in ²)	Ultimate Tensile Stress (ksi)	Bolt Yield Strength (ksi)	Bolt Nominal Tensile Strength (kip)	Nominal Shear Rupture Strength (kip)	Compression Yield Strength	Nominal Shear Yield Strength (kip)	Anchor Bolt Interaction Equation	Embedment Depth of Anchor (in)	Pier Allowable Embedment Depth (in)		Footing Embedment Bot. Limit (in)
[8	0.785	0.606	125	105	75.718	49.087	63.603	19.081	0.677	54.500	69.000	76.000	83.000

TIA-222-H 4.9.6.1 TIA-222-H 4.9.9 TIA-222-H 4.9.9 TIA-222-H 4.9.9 OK PIER ONLY

nchor	Bolts	and	Embedment F	late

					Length Protruding			Plate			Rebar		Gap Btwn	ı
Anchor Bolt	Number	Bolt	Bolt		From Concrete		Plate	O.D. or	Plate	Bolt Circle	Engaged	Length	Rebar &	ı
PN	of Bolts	Diameter	Length	Specified	Tolerance	Tolerance	PN	Width	Thickness	Diameter	by Bolts	Required	Plate	ı
		(in)	(in)	(in)	Above (in)	Below (in)		(in)	(in)	(in)	(in)	(in)	(in)	ı
102970	10	1.00	60	5.75	0.1875	-0.25	139914	16.75	0.5	14.25	35.13	23.48	11.25	l
-	Std. Pattern				-	_	_				OK	ACI-318-14 25.4.2.3	OK	•

Notes

- Foundation design is based on the Geotechnical Report dated 05/19/2025, by Engineered Tower Solutions; Project No. 25135499.
- Groundwater was not encountered during the geotechnical investigation.
- Rock conditions were encountered about 8 feet bgs in the geotechnical investigation.
- This mat design assumes an ultimate bearing capacity of 10000 psf (allowable bearing capacity of 10000 psf) based on the geotechnical report. The bearing surface shall be inspected prior to concrete placement.
- During placement, concrete shall be suitably consolidated. Proper curing methods shall be used directly following concrete placement as established by the contractor. Concrete shall develop a minimum compressive strength of 3000 psi prior to backfill and compaction operations, and backfill shall be compacted to a minimum moist unit weight of 110 pcf.

Combined (MAT) Foundation Design Summary

Max. Foundation Capacity Rating:	96.7%

FOUNDATION DIME	FOUNDATION DIMENSIONS				
Tower Width:	26	ft			
Pier Extension:	0.5	ft			
Depth:	7	ft			
Pad Width:	32.5	ft			
Pad Thickness:	1.75	ft			
Pier Diameter:	4	ft			
Clear Cover:	3	in			
Volume:	76.5	yd ³			

MAT REINFORCE	MAT REINFORCEMENT					
Bar Size:	8					
Bar Length:	384	in				
Bar Center to Center Spacing:	9.3	in				
Quantity per Layer per Direction:	42					
Total Quantity:	168					
Weight per Bar:	85.4	lbs				
Total Weight:	14354	lbs				

PIER REINFORCEMENT					
Bar Size:	7				
Bar Length:	94	in			
Bend Radius:	2.625	in			
Standard Hook Length:	13.125	in			
Hook Orientation:	Hooks Extend Outwar				
Bar Center to Center Spacing:	6.3	in			
Quantity per Pier:	20				
Total Quantity:	60				
Weight per Pier:	320	lbs			
Total Weight:	961	lbs			

TIE REINFORCEMENT					
Bar Size:	4				
Bar Length:	149	in			
Circular Tie Outer Diameter:	42	in			
Overlap:	18	in			
Tie Termination Type:	Overlap				
Quantity of Ties in Pad:	N/A				
Quantity per Pier:	13				
Bar Center to Center Spacing:	5.6	in			
Total Quantity:	39				
Weight per Pier:	107	lbs			
Total Weight:	321	lbs			

TOWER REACTIONS					
Tower Shear:	54.7	kip			
Tower Moment:	8646.7	ft-kip			
Tower Weight:	66.8	kip			
Leg Compression:	406.3	kip			
Leg Uplift:	350.8	kip			
Leg Shear:	37.5	kip			

MATERIAL SPECIFICATIONS					
Concrete Strength:	4500	psi			
Concrete Weight:	150	pcf			
Soil Strength (Ultimate Bearing):	10,000	psf			
Rebar Yield Strength:	60	ksi			

ANCHORING DETAILS					
Anchor P/N:	102970				
Anchor Diameter:	1 in				
Anchor Length:	60 in				
Anchor Quantity per Leg:	10				
	Std. Pattern				
Anchor Projection:	5.75 in				
	+ 0.1875" -0.25"				
Bolt Circle Diameter:	14.25 in				
Template P/N	139914				

STRUCTURAL FILL CRITERIA					
Loose Lift Thickness:	8	in			
Percent Compaction:	98%				
ASTM Standard:	D698				
Optimum Moisture Content	2%				
Tolerance:	-2%				

BACKFILL CRITERIA (NON-STRUCTURAL)					
Loose Lift Thickness:	8	in			
Percent Compaction:	95%				
ASTM Standard:	D698				
Optimum Moisture Content	2%				
Tolerance:	-2%				

ECO #: 8136

ADDITIONAL NOTES

- Foundation design is based on the Geotechnical Report dated 05/19/2025, by Engineered Tower Solutions; Project No. 25135499.
- Groundwater was not encountered during the geotechnical investigation.
- Rock conditions were encountered about 8 feet bgs in the geotechnical investigation.
- This mat design assumes an ultimate bearing capacity of 10000 psf (allowable bearing capacity of 10000 psf) based on the geotechnical report. The bearing surface shall be inspected prior to concrete placement.
- During placement, concrete shall be suitably consolidated. Proper curing methods shall be used directly following concrete placement as established by the contractor. Concrete shall develop a minimum compressive strength of 3000 psi prior to backfill and compaction operations, and backfill shall be compacted to a minimum moist unit weight of 110 pcf.

Template: SST Combined.xls N:\SO\33397\

795606.cb.xls



ASCE Hazards Report

Address:

No Address at This Location

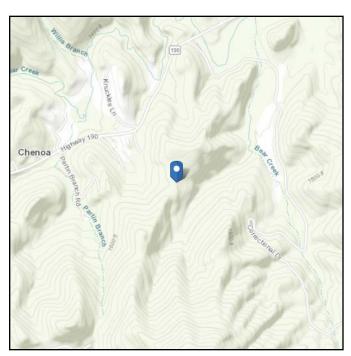
Standard: ASCE/SEI 7-16 Latitude:

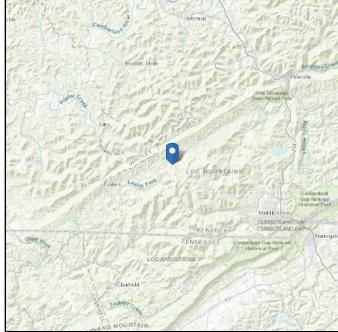
Risk Category: || Longitude: -83.8585

Soil Class: D - Stiff Soil **Elevation:** 1603.5256686159694 ft

(NAVD 88)

36.666

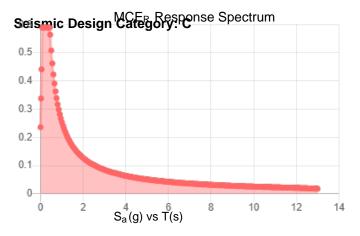


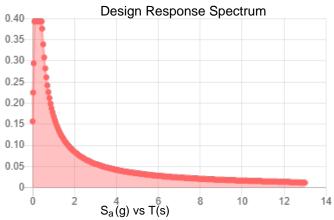


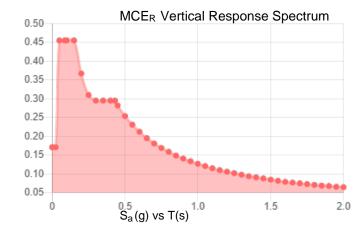


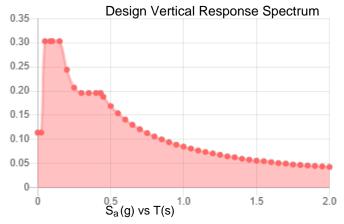
Seismic

Site Soil Class: Results:	D - Stiff Soil			
S _s :	0.398	S _{D1} :	0.169	
S_1 :	0.106	T _L :	12	
F _a :	1.482	PGA:	0.251	
F _v :	2.387	PGA _M :	0.339	
S _{MS} :	0.589	F _{PGA} :	1.349	
S _{M1} :	0.254	l _e :	1	
S _{DS} :	0.393	C_{ν} :	0.965	









Data Accessed: Wed Jun 11 2025

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.



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255.3' -	\boxtimes
240' —	
220' -	
200' —	
180' —	
160' —	
140' -	
120' —	
100' —	
80' —	
60' —	
40'-	
20' -	
0'-	

Self-Supporting Tower Section Data

Section Number	Bottom Elevation (ft)	Top Elevation (ft)	Model	Bottom Face Width (ft)	Top Face Width (ft)	Number of Panels	Leg Size (in)	Diagonal Size (in)	Girt Size (in)	Mid-Horizontal Size (in)	Redundant Horizontal Size (in)	Redundant Diagonal Size (in)
13	240	255.3	NSX	6.5	6.5	3	P2x.154	L1 3/4x1 3/4x1/8	L2x2x1/8			
12	220	240	NSX	6.5	6.5	3	P3x.216	L2x2x3/16				
11	200	220	NSX	8.0	6.5	3	P5x.258	L2x2x3/16				
10	180	200	NSX	9.5	8.0	3	P5x.258	L2x2x3/16				
9	160	180	NSX	11.0	9.5	3	P6x.28	L2 1/2x2 1/2x3/16				
8	140	160	NSX	12.5	11.0	3	P8x.322	L2 1/2x2 1/2x3/16				
7	120	140	NSX	14.0	12.5	3	P8x.322	L2 1/2x2 1/2x3/16				
6	100	120	NSX	16.0	14.0	2	P8x.322	L3x3x3/16				
5	80	100	NSX	18.0	16.0	2	P8x.322	L3 1/2x3 1/2x1/4				
4	60	80	NSX	20.0	18.0	2	P10x.365	L3 1/2x3 1/2x1/4				
3	40	60	NSK	22.0	20.0	4	P10x.365	L3 1/2x3 1/2x1/4		L3 1/2x3 1/2x1/4	L2x2x3/16	L2x2x3/16
2	20	40	NSK	24.0	22.0	4	P10x.365	L3 1/2x3 1/2x1/4		L3 1/2x3 1/2x1/4	L2x2x3/16	L2 1/2x2 1/2x3/16
1	0	20	NSK	26.0	24.0	4	P10x.365	L3 1/2x3 1/2x1/4		L4x4x1/4	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16

Tower Reactions

No Ice

Shear: 54.7 kips Moment: 8646.66 ft-kips Weight: 66.8 kips

With Ice

Shear: 6.4 kips

Moment: 1043.70 ft-kips Weight: 122.2 kips

Leg Reactions

Compression: 406.3 kips Uplift: -350.8 kips Shear: 37.5 kips

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1	DF	8/11/2025	Revised customer name per ECO 8136

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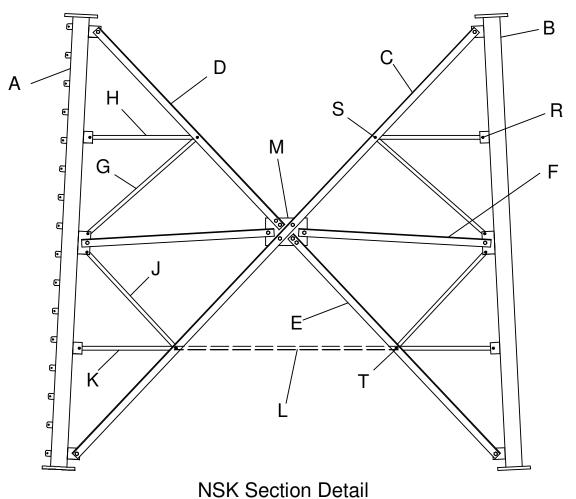
DWG. PROG: v2.05 SHEET: 1 OF 8

JASON
MARK
LAMBERT
No. 2821

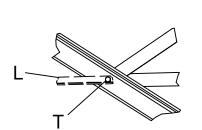
TITLE: VB BTS III, LLC NSK 26' X 255.3'

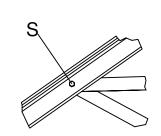
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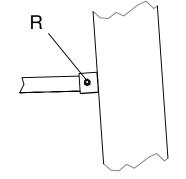




- A part number is stamped on the bottom footpad of each leg.
- 2. A part number is stamped and /or labeled on the bottom end of each angle.
- 3. The bolt head must bear against the angle.

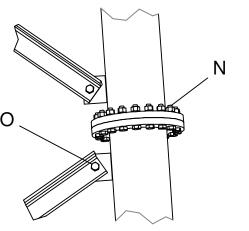




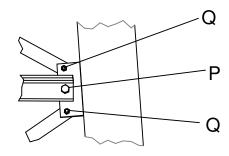


NSK Inner Redundant Connection

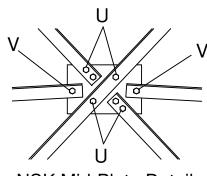
NSK Outer Redundant Connection



NSK Leg Connection Detail



NSK Center Sideplate Connection



NSK Mid-Plate Detail

NSK Section Legend:

- A. Climbing Leg
- B. Non-Climbing Leg
- C. Long Diagonal
- D. Upper Diagonal
- E. Lower Diagonal
- F. Horizontal
- G. Upper Redundant Diagonal
- H. Upper Redundat Horizontal
- J. Lower Redundant Diagonal
- K. Lower Redundant Horizontal
- L. Installation Horizontal
- M. Splice Plate
- N. Leg Bolts
- O. Diagonal Bolts
- P. Horizontal Bolts
- Q. Redundant Diagonal Bolts
- R. Redundant Horizontal Bolts
- S. Upper Redundant Bolts
- T. Lower Redundant Bolts
- U. Diagonal Mid Bolts
- V. Horizontal Mid Bolts

Note:

1. One face of bracing (not including legs) may be pre-assembled and lifted into place at once, ensuring best practices are used to reduce stresses in bracing members.



TITLE:

VB BTS III, LLC

NSK 26' X 255.3'

US-KY-5421 / Davisburg

Bell Co., KY

N E L L C 1201 S. Sheridan St. South Bend, IN 46619 Bus: (574)288-3632 Fax: (574)288-5860

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DWG. PROG: v2.05 SHEET: 2 OF 8

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 DF
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NSK Section Part Numbers

ltem	Elevation	Climbing Leg (A)	Non-Climbing Leg (B)	Long Diagonal (C)	Upper Diagonal (D)	Lower Diagonal (E)	Horizontal (F)	Upper Redundant Diagonal (G)	Upper Redundant Horizontal (H)	Lower Redundant Diagonal (J)	Lower Redundant Horizontal (K)	Installation Horizontal (L)	Splice Plate (M)
3	40' - 60'	141702		170514	170516	170518	168048	170195	170190	170197	170193	172544	115102
2	20' - 40'	141702		170183	170185	170187	168505	170129	170189	170130	170192	172545	115101
1	0' - 20'	757735		774327	774328	774329	167912	170125	170127	170126	170128	172546	115100

NSK Section Hardware

Item	Elevation	Leg Bolts (N)	Diagonal Bolts (O)	Horizontal Bolts (P)	Redundant Diagonal Bolts (Q)	Redundant Horizontal Bolts (R)	Upper Redundant Bolts (S)	Lower Redundant Bolts (T)	Diagonal Mid Bolts (U)	Horizontal Mid Bolts (V)	Section Weight (Lbs.)
3	40' - 60'	(30) 1" x 3-3/4"	(12) 1" x 2-1/4"	(6) 1" x 2-1/4"	(12) 1" x 2-1/4"	(12) 1" x 2-1/4"	(6) 1" x 2-1/4"	(6) 1" x 2-3/4"	(18) 1" x 2-1/4"	(6) 1" x 2-1/4"	5130
2	20' - 40'	(30) 1" x 3-3/4"	(12) 1" x 2-1/4"	(6) 1" x 2-1/4"	(12) 1" x 2-1/4"	(12) 1" x 2-1/4"	(6) 1" x 2-1/4"	(6) 1" x 2-3/4"	(18) 1" x 2-1/4"	(6) 1" x 2-1/4"	5330
1	0' - 20'	0	(12) 1" x 2-1/4"	(6) 1" x 2-1/4"	(12) 1" x 2-1/4"	(12) 1" x 2-1/4"	(6) 1" x 2-1/4"	(6) 1" x 2-3/4"	(18) 1" x 2-1/4"	(6) 1" x 2-1/4"	5670



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NSK 26' X 255.3'
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DWG. PROG: v2.05	SHEET: 3 OF 8	ľ

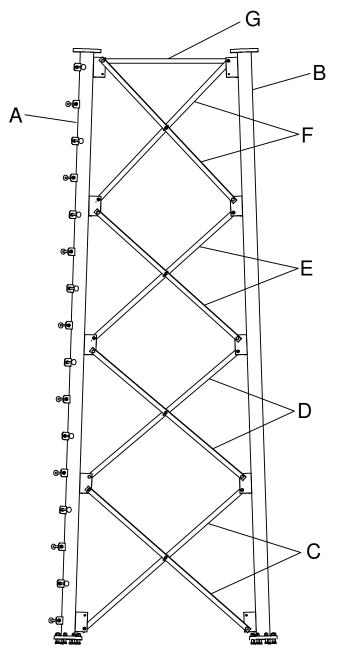
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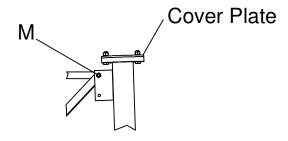
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NSX Section Detail

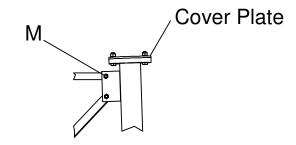
- 1. A part number is stamped on the bottom footpad of each leg.
- 2. A part number is stamped and /or labeled on the bottom end of each angle.
- 3. Be sure to place diagonal bracing angles in correct positions, angles in the top panel may be longer than they are in the middle panel.
- 4. The bolt head must bear against the angle bracing.



One plain nut and one lockwasher per bolt.

Detail A: NSX Top Connection

*Applicable to all 20 ft Sections. *Applicable to all Sections Shorter than 20 ft and are Straight.



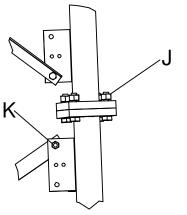
One plain nut and one lockwasher per bolt.

Detail B: NSX Top Connection

*Applicable to all Sections Shorter than 20 ft that are Tapered Sections.

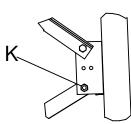
NSX Section Legend:

- A. Climbing Leg
- B. Non-Climbing Leg
- C. Diag., Panel 1
- D. Diag., Panel 2
- E. Diag., Panel 3
- F. Diag., Panel 4
- G. Top Girt
- H. Spacer
- J. Leg Bolts
- K. Diagonal Bolts
- L. Stitch Bolts
- M. Top Girt Bolts



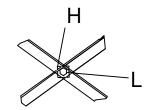
One plain nut and one lockwasher per bolt.

NSX Leg Connection



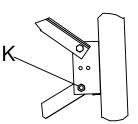
One plain nut and one lockwasher per bolt.

NSX Bracing Detail



One plain nut and one lockwasher per bolt.

NSX Spacer Detail



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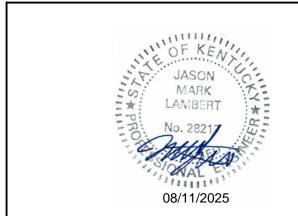
DWG. PROG: v2.05 SHEET: 4 OF 8

NSX Section Part Numbers

Item	Elevation	Climbing Leg (A)	Non-Climbing Leg (B)	Diagonal - Panel 1 (C)	Diagonal - Panel 2 (D)	Diagonal - Panel 3 (E)	Diagonal - Panel 4 (F)	Top Girt (G)	Spacer (H)
13	240' - 255.3'	141466		167539	167540	167539		167279	132233
12	220' - 240'	214086		214861	214862	214861			132233
11	200' - 220'	141264		167216	167217	167218			132233
10	180' - 200'	141264		166855	166856	166857			132233
9	160' - 180'	129729		167243	167244	167245			132233
8	140' - 160'	129695		168102	168103	168104			132233
7	120' - 140'	187754		167978	167979	167980			132233
6	100' - 120'	129693		169771	169772				132233
5	80' - 100'	129703		167436	167435				132233
4	60' - 80'	129736		169767	169768				132233

NSX Section Hardware

Ite	m	Elevation	Leg Bolts (J)	Diagonal Bolts (K)	Stitch Bolts (L)	Top Girt Bolts (M)	Section Weight (Lbs.)
13	3	240' - 255.3'	(12) 3/4" x 3-1/2"	(36) 1/2" x 1-1/2"	(9) 1/2" x 1-1/2"	(6) 1/2" x 1-1/2"	680
12	2	220' - 240'	(24) 3/4" x 3-1/2"	(36) 5/8" x 2-1/2"	(9) 5/8" x 2-1/2"		1220
11		200' - 220'	(24) 3/4" x 3-1/2"	(36) 5/8" x 2-1/2"	(9) 5/8" x 2-1/2"		1690
10)	180' - 200'	(24) 3/4" x 3-1/2"	(36) 5/8" x 2-1/2"	(9) 5/8" x 2-1/2"		1750
9		160' - 180'	(24) 1" x 3-3/4"	(36) 5/8" x 2-1/2"	(9) 5/8" x 2-1/2"		2280
8		140' - 160'	(24) 1" x 3-3/4"	(36) 3/4" x 2-1/4"	(9) 3/4" x 2-1/4"		3030
7		120' - 140'	(24) 1" x 3-3/4"	(36) 3/4" x 2-1/4"	(9) 3/4" x 2-1/4"		3110
6		100' - 120'	(24) 1" x 3-3/4"	(24) 3/4" x 2-1/4"	(6) 3/4" x 2-1/4"		3060
5		80' - 100'	(30) 1" x 3-3/4"	(24) 3/4" x 2-1/4"	(6) 3/4" x 2-1/4"		3720
4		60' - 80'	(30) 1" x 3-3/4"	(24) 3/4" x 2-1/4"	(6) 3/4" x 2-1/4"		4590



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NSK 26' X 255.3'



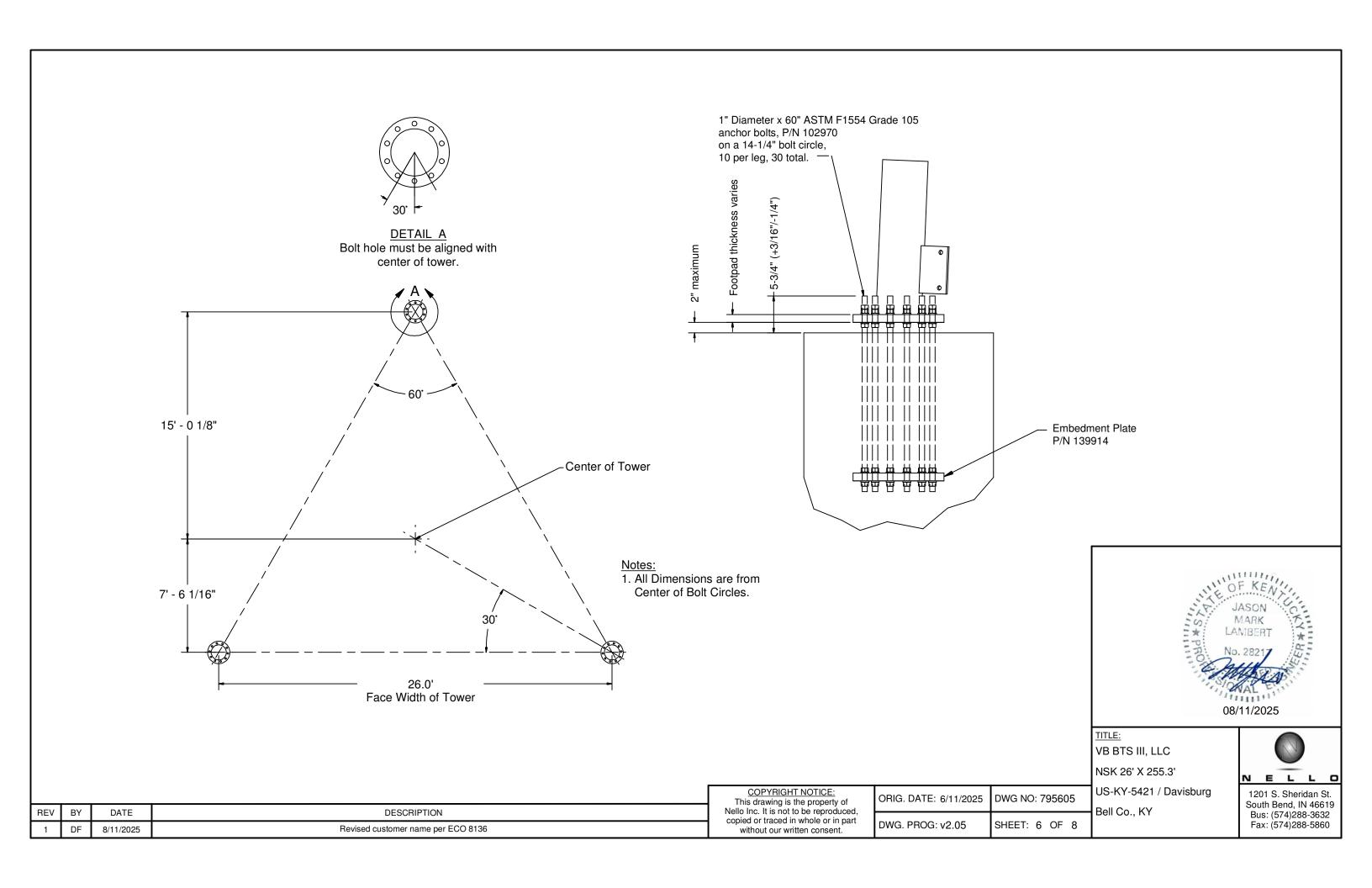
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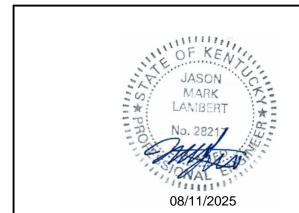


Antenna Loading

Height	Qty.	Description
250'	1	40,000 sq in CaAa
239'	1	30,000 sq in CaAa
229'	1	30,000 sq in CaAa

Feedline Loading

1			
	Height	Qty.	Description
ı			•
	0' - 255'	1	1" Conduit
	0' - 250'	12	LDF7-50A (1-5/8 FOAM)
	0' - 239'	12	LDF7-50A (1-5/8 FOAM)
	0' - 229'	12	LDF7-50A (1-5/8 FOAM)



TITLE:
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NSK 26' X 255.3'



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Tower Notes:

1. Tower is designed per TIA-222-H, "Structural Standard for Antenna Supporting Structures, Anennas and Small Wind Turbine Support Structures," for the following loading conditions:

105 mph 3-second gust ultimate wind speed with no ice per ASCE 7-16

30 mph 3-second gust basic wind speed with 1 inch basic ice thickness per ASCE 7-16

Risk Category: II
Exposure Category: C
Topographic Category: 1
Crest Height: 0 feet

- 2. A tower field inspection shall be performed in order to verify that design exposure and topographic parameters are consistent with the existing tower site conditions.
- 3. Tower design includes the antennas, dishes, and/or lines listed in the appurtenance loading tables on sheet 7.
- 4. Tower member design does not include stresses due to erection since erection equipment and procedures are unknown. Tower installation shall be performed by competent and qualified erectors in accordance with TIA-222-H and OSHA standards and all applicable building codes.
- 5. Field connections shall be bolted. No field welds shall be allowed unless otherwise noted.
- 6. Structural bolts shall conform to ASTM A325, except for 1/2 inch diameter and smaller bolts, which shall conform to ASTM A449 or SAE J429 Grade 5.
- 7. Structural steel and connection bolts shall be galvanized after fabrication in accordance with TIA-222-H.
- 8. All high strength bolts shall be tightened to a "snug tight" condition as defined in the RCSC "Specification for Structural Joints Using ASTM A325 or A490 Bolts."
- 9. Tower shall be marked and lighted in conformance with local building codes, FAA regulations, and TIA-222-H.
- 10. Tower shall be grounded in conformance with local building codes and TIA-222-H. Evaluation of protective grounding and consideration for special grounding systems shall be performed by others.
- 11. Allowable tolerance on as-built tower steel height is plus 1% or minus 1/2%.
- 12. Maintenance and inspection shall be performed over the life of the structure in accordance with TIA-222-H.
- 13. Material specifications:

Self Supporting Pipe Legs - ASTM A500 Grade 50

Angle Bracing - ASTM A529 Grade 50

Leg Footpads - ASTM A572 Grade 50

Leg Side Plates - ASTM A36 (Min)

- 14. Remove anchor bolt template before erecting tower.
- 15. Concrete contractor shall be responsible for properly aligning anchor bolts and materials before and after placing concrete, regardless of whether an anchor bolt template is provided.

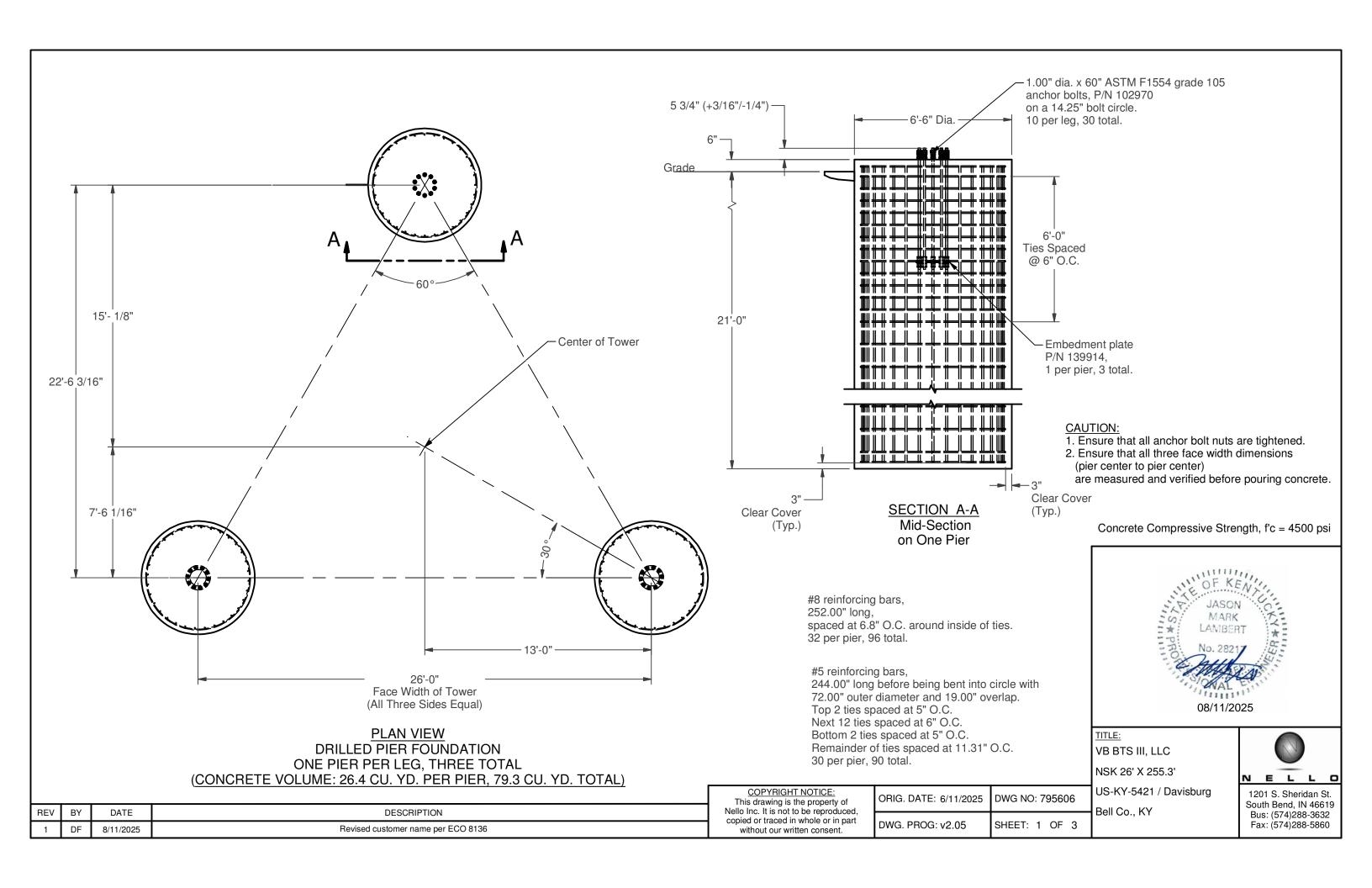
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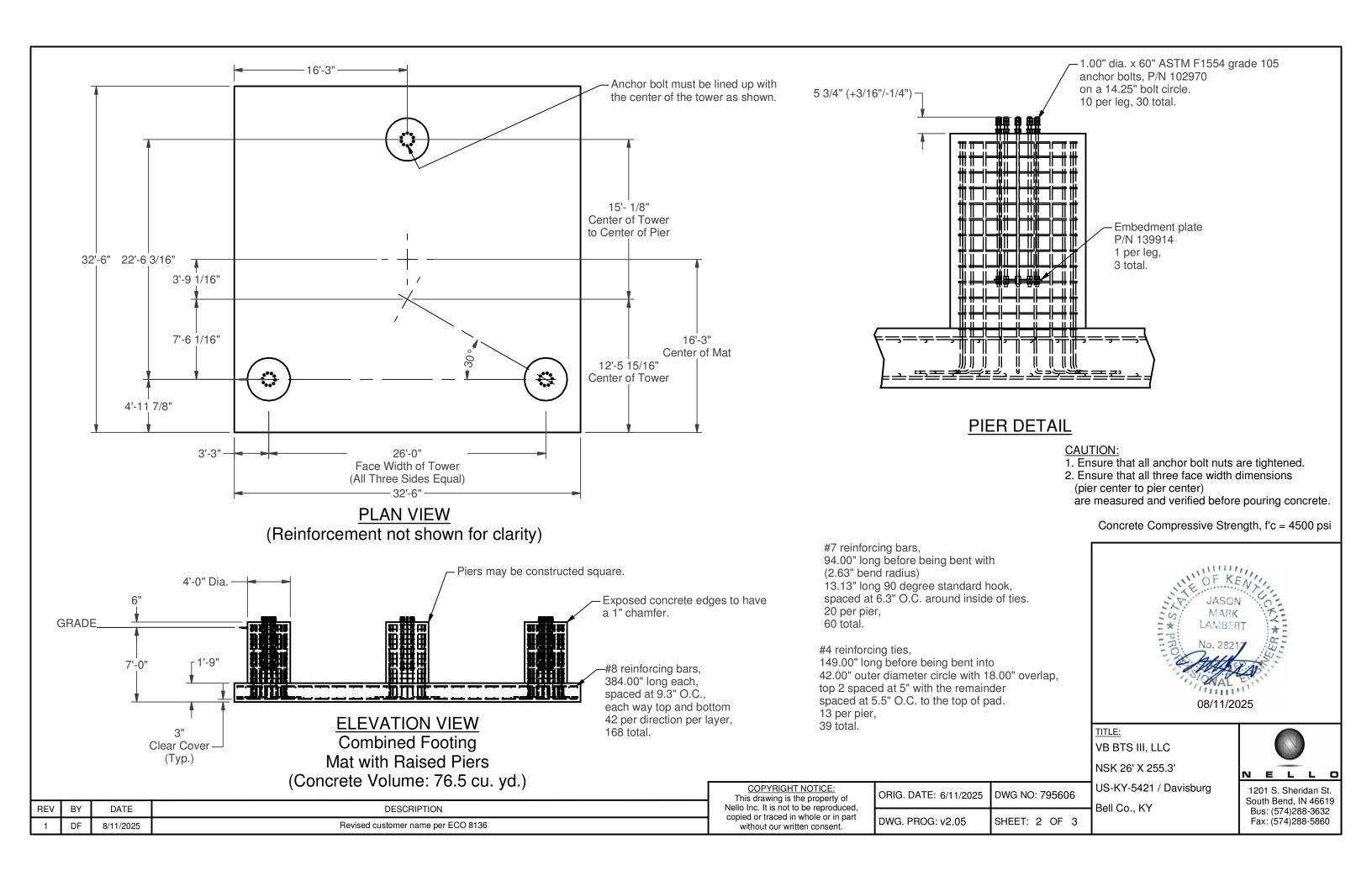
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Foundation Notes:

1. This foundation has been designed for the following tower reactions:

Leg Compression: 406.3 Kips
Leg Uplift: 350.8 Kips
Leg Shear: 37.5 Kips
Tower Shear: 54.7 Kips
Tower Moment: 8646.7 Ft-Kips
Tower Weight: 66.8 Kips

- 2. Foundation design is based on the Geotechnical Report dated 05/19/2025, by Engineered Tower Solutions; Project No. 25135499.
- 3. A field inspection shall be performed in order to verify that the actual site soil parameters meet or exceed the assumed soil parameters and that the depth of standard foundations are adequate based on the frost penetration and groundwater depth. Local frost depth must be no deeper than the bottom of the base foundation or the top of the anchor.
- 4. Reinforcement shall be deformed and conform to the requirements of ASTM A615 Grade 60 unless otherwise noted. Splices in reinforcement shall not be allowed unless otherwise indicated.
- 5. Welding is prohibited on reinforcing steel and anchorage.
- 6. Structural backfill placed below pad must be compacted in 8" loose lifts to 98% of maximum dry density at optimum moisture content in accordance with ASTM D698. Backfill must be clean and free of organic and frozen soils and foreign materials.
- 7. Backfill above foundation should be compacted to 95% of maximum dry density at water content within 2 percent of optimum. Backfill must be clean and free of organic and frozen soils and foreign materials.
- 8. Finished grade shall be leveled over the entire foundation footprint. Backfill is recommended to slope to native grade using a 2:1 (H:V) slope.
- 9. Loose material shall be removed from bottom of excavation prior to concrete placement.
- 10. Concrete cover from exposed surface of concrete to surface of reinforcement shall not be less than 3".
- 11. Concrete and reinforcement installation must conform to ACI 318, "Building Code Requirements for Structural Concrete."
- 12. Concrete shall develop a minimum compressive strength of 4500 psi at 28 days.
- 13. Concrete shall be placed as soon as practical after excavating to avoid disturbance of bearing and side wall surfaces
- 14. Concrete contractor shall be responsible for properly aligning anchor bolts before and after placing concrete, regardless of whether an anchor bolt template is provided.
- 15. Positive drainage shall be maintained during construction and throughout the life of the facility to minimize the potential for surface water infiltration.
- 16. If unsuitable soils are encountered, overexcavation of unsuitable soils for compacted backfill placement below footings should extend laterally beyond all edges of the footings at least 12 inches per foot of overexcavation depth below footing base elevation.
- 17. It shall be the contractor's responsibility to locate and prevent damage to any existing underground utilities, foundations or other buried objects that might be damaged or interfered with during construction of the foundation.
- 18. It is permissible to utilize a cold joint during construction of a pier and pad type foundation. The cold joint must be located at the interface of the piers with the pad, and contractor shall use a bonding agent suitable for cold joints.
- 19. It is permissible for the top of the vertical reinforcement cage alignment to fluctuate slightly, allowing for a minimum clear cover of 2" to a maximum clear cover of 3" over the top of any individual vertical bar.
- 20. Earthwork operations and foundation installation methods shall be in accordance with the geotechnical report and all applicable American Concrete Institute (ACI) Standards.
- 21. Temporary steel casing or drilling slurry techniques may be required for installation of the drilled pier foundation. Permanent casing on drilled piers may not be used.
- 22. Concrete shall be placed by tremie methods if drilling slurry is used or if there is more than 1 inch of water at the bottom of the shaft excavation.
- 23. Groundwater was not encountered during the geotechnical investigation.
- 24. This drilled pier design extends beyond the boring depth of the geotechnical investigation. A qualified geotechnical engineer shall verify that conditions of the soil at this depth meet or exceed assumed parameter.
- 25. Rock conditions were encountered about 8 feet bgs in the geotechnical investigation.
- 26. This mat design assumes an ultimate bearing capacity of 10000 psf (allowable bearing capacity of 10000 psf) based on the geotechnical report. The bearing surface shall be inspected prior to concrete placement.
- 27. During placement, concrete shall be suitably consolidated. Proper curing methods shall be used directly following concrete placement as established by the contractor. Concrete shall develop a minimum compressive strength of 3000 psi prior to backfill and compaction operations, and backfill shall be compacted to a minimum moist unit weight of 110 pcf.

REV	ВУ	DATE	DESCRIPTION	This drawing is the property of Nello Inc. It is not to be reproduced.	ORIG. DATE: 6/11/2025
NEV	DI	DATE	DESCRIPTION	conied or traced in whole or in part	DIMO DDOO 0.05
1	DF	8/11/2025	Revised customer name per ECO 8136	without our written consent.	DWG. PROG: v2.05



TITLE:
VB BTS III, LLC
NSK 26' X 255.3'
US-KY-5421 / Davisburg

Bell Co., KY

DWG NO: 795606

SHEET: 3 OF 3





Navigation Reports PSC Home

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	t 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	С	New York	NY
View	4113600	AFNET, LLC	Cellular	D	Alpharetta	GA
View	4108300	Air Voice Wireless, LLC d/b/a AirTalk Wireless	Cellular	Α	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	Α	Lisle	IL
View	4110850	AltaWorx, LLC	Cellular	D	Fairhope	AL
View	4107800	American Broadband and Telecommunications Company	Cellular	D	Toledo	ОН
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	Reno	NV
View	4115050	Aquarius Silver LLC	Cellular	D	Sheridan	WY
View	4105700	Assurance Wireless USA, L.P.	Cellular	D	Atlanta	GA
View	4113100	BARK TECHNOLOGIES, INC.	Cellular	D	Charlotte	NC
View	4108600	BCN Telecom, Inc.	Cellular	D	Morristown	NJ
View	4106000	Best Buy Health, Inc. d/b/a GreatCall d/b/a Jitterbug	Cellular	A	San Diego	CA
View	4111050	BlueBird Communications, LLC	Cellular	D	New York	NY
View	4107600	Boomerang Wireless, LLC	Cellular	Α	Dallas	TX
View	4115500	CALL CENTERS INDIA INCORPORATED d/b/a Blueconnects	Cellular	D	Seattle	WA
View	4100700	Cellco Partnership dba Verizon Wireless	Cellular	А	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	Α	Phoeniexville	PA
View	4101900	Consumer Cellular, Incorporated	Cellular	Α	Portland	OR
View	4112700	Cox Wireless, LLC	Cellular	D	Atlanta	GA
View	4108850	Cricket Wireless, LLC	Cellular	Α	San Antonio	TX
View	4111500	CSC Wireless, LLC d/b/a Altice Wireless	Cellular	А	Long Island City	NY
View	4114000	Daywalker Mobile Inc.	Cellular	D	Bartlesville	OK
View	4112000	DISH Wireless L.L.C.	Cellular	Α	Littleton	CO
View	4111200	Dynalink Communications, Inc.	Cellular	С	Brooklyn	NY
View	4111800	Earthlink, LLC	Cellular	С	Atlanta	GA
View	4101000	East Kentucky Network, LLC dba Appalachian Wireless	Cellular	Α	Ivel	KY
View	4002300	Easy Telephone Service Company dba Easy Wireless	Cellular	D	Ocala	FL
View	4109500	Enhanced Communications Group, LLC	Cellular	D	Bartlesville	ОК
View	4113800	EVOLVE WIRELESS LLC	Cellular	D	Maumee	ОН

View	4110450	Excellus	Cellular	D	Harrisburg	SD
View	4112400	Communications, LLC Excess Telecom Inc.	Cellular	D	Beverly Hills	CA
VICVV	7112700	France Telecom	Celiulai	U	Deverty Fillis	CA
View	4104800	Corporate Solutions L.L.C.	Cellular	D	Herndon	VA
View	4111750	Gabb Wireless, Inc.	Cellular	Α	Lehi	UT
View	4109350	Global Connection Inc. of America	Cellular	D	Miami	FL
View	4102200	Globalstar USA, LLC	Cellular	С	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	4114300	Group F Consulting, LLC	Cellular	D		
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	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	Α	Basking Ridge	NJ
View	4112200	Lexvor Inc.	Cellular	D	Irvine	CA
View	4111250	Liberty Mobile Wireless, LLC	Cellular	В	Sunny Isles Beach	FL
View	4114750	Link Mobile, Inc.	Cellular	D	New York	NY
View	4111400	Locus Telecommunications, LLC	Cellular	В	Fort Lee	NJ
View	4114500	Lux Mobile USA, Inc	Cellular	D	Baton Rouge	LA
View	4107300	Lycamobile USA, Inc.	Cellular	D	Newark	NJ
View	4112500	Marconi Wireless Holdings, LLC	Cellular	В	Westlake Village	CA
View	4113850	MAXSIP TEL KENTUCKY LLC d/b/a Maxsip Telecom	Cellular	D	Woodmere	NY
View	4114800	Mediacom Wireless LLC	Cellular	D	Mediacom Park	NY

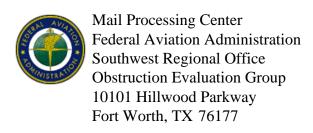
View	4108800	MetroPCS Michigan, LLC	Cellular	Α	Bellevue	WA
View	4111700	Mint Mobile, LLC	Cellular	Α	Costa Mesa	CA
View	4115100	Mobile 13, Inc	Cellular	D	South Jordan	UT
View	4114950	Moxee Technologies LLC dba COLLEGIATE MOBILE	Cellular	D	Sparks	NV
View	4114100	MVNO Connect LLC	Cellular	D	St. Petersburg	FL
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	4109050	Patriot Mobile LLC	Cellular	Α	Grapevine	TX
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	St. Louis	МО
View	33351182	PNG Telecommunications, Inc. dba PowerNet Global Communications	Cellular	D	Cincinnati	ОН
View	4114850	POWER MOBILE LLC	Cellular	D	Rockville Centre	NY
View	4112800	Prepaid Wireless Group, LLC dba Prepaid Wireless Wholesale	Cellular	D	Rockville	MD
View	4115550	Prepaid Wireless Wholesale of Maryland, LLC	Cellular	D	Rockville	MD
View	4114350	PRESTO WIRELESS Corp.	Cellular	D	Fair Lawn	NJ
View	4107700	Puretalk Holdings, Inc.	Cellular	В	Covington	GA
View	4106700	Q Link Wireless, LLC	Cellular	Α	Dania	FL
View	4115900	RABONA CORPORATION	Cellular	С	New York	NY
View	4113200	Red Pocket Inc.	Cellular	D	Thousand Oaks	CA
View	4116000	Ringer Mobile, LLC	Cellular	С	Peachtree Corners	GA
View	4114200	Roccstar 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	Α	Basking Ridge	NJ

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View	4108550	Sage Telecom Communications, LLC dba TruConnect	Cellular	A	Los Angeles	CA
View	4113050	Sarver Corporation	Cellular	D	Rancho Cucamonga	CA
View	4109150	SelecTel, Inc. d/b/a SelecTel Wireless	Cellular	Α	Fremont	NE
View	4110150	Spectrotel of the South LLC dba Touch Base Communications	Cellular	D	Neptune	NJ
View	4111450	Spectrum Mobile, LLC	Cellular	Α	St. Louis	МО
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	С	Layton	UT
View	4113450	Syntegra North America, LLC	Cellular	D	Denton	TX
View	4202200	T-Mobile Central, LLC dba T-Mobile	Cellular	Α	Bellevue	WA
View	4002500	TAG Mobility, LLC d/b/a TAG Mobile	Cellular	D	Plano	TX
View	4115850	TELCO Communications LLC dba TELCO CELLULAR	Cellular	С	Oceanside	NY
View	4107200	Telefonica Global Solutions USA, Inc.	Cellular	D	Miami	FL
View	4112100	Tello LLC	Cellular	Α	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	С	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	В	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	4115800	USA Mobile LLC	Cellular	С	Laguna Beach	CA

View	4110300	UVNV, Inc. d/b/a Mint Mobile	Cellular	С	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	4113300	Via Wireless, LLC	Cellular	D	Houston	TX
View	4110800	Visible Service LLC	Cellular	D	Basking Ridge	NJ
View	4115700	Viva-US Communications, Inc.	Cellular	С	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	4113000	Whoop Connect Inc.	Cellular	D	Melbourne	FL
View	4115250	WHOOP MOBILE INC.	Cellular	D	Melbourne	FL
View	4106500	WiMacTel, Inc.	Cellular	D	Calgary, AB	CA
View	4110950	Wing Tel Inc.	Cellular	С	New York	NY
View	4113650	XCHANGE TELECOM LLC	Cellular	D	Brooklyn	NY
View	4112150	Zefcom, LLC	Cellular	С	Wichita Falls	TX

EXHIBIT E

FEDERAL AVIATION ADMINISTRATION
DETERMINATION OF NO HAZARD TO AIR NAVIGATION



Issued Date: 07/17/2025

BTS TOWERS, LLC MATTHEW BONFANTE 750 Park of Commerce Drive Suite 200 Boca Raton, FL 33487

** 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 US-KY-5421 - Davisburg

County, State: Bell, Kentucky

Collected Point(s):

Label Latitude Longitude SE DET AGL AMSL US-KY-5421 - Davisburg 36-39-57.81N 83-51-30.74W 1604 Ft 265 Ft 1869 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)
X_	_ 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 01/17/2027 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 1-817-222-4832, or Michael.J-CTR.Costanzi@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2025-ASO-7808-OE.

Signature Control No: 653827692-670469286

(DNE)

michael.j-ctr.costanzi@faa.gov Technician Attachment(s)
Additional Information
Frequency Data
Map(s)

cc: FCC

Additional information for ASN 2025-ASO-7808-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

Frequency Data for ASN 2025-ASO-7808-OE

FREQUENCY FREQUENCY UNIT 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 1000 W 698 806 MHz 1000 W 806 824 MHz 500 W 806 901 MHz 500 W 851 866 MHz 500 W 869 894 MHz 500 W 896 901 MH
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 1000 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
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 1000 W 698 806 MHz 1000 W 806 824 MHz 500 W 806 901 MHz 500 W 851 866 MHz 500 W 869 894 MHz 500 W 896 901 MHz 500 W 896 901 MHz 500 W 896 901 MHz 500 W 990 932 MHz 3500 W 930 931 MHz 3500 W
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
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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 931 932 MHz 3500 W 932 932.5 MHz 17 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
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
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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
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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
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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
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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
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
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930 931 MHz 3500 W 931 932 MHz 3500 W 932 932.5 MHz 17 dBW
931 932 MHz 3500 W 932 932.5 MHz 17 dBW
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 2310 MHz 2000 W
2305 2360 MHz 2000 W
2345 2360 MHz 2000 W
2496 2690 MHz 500 W
3700 3980 MHz 3280 W

Verified Map for ASN 2025-ASO-7808-OE

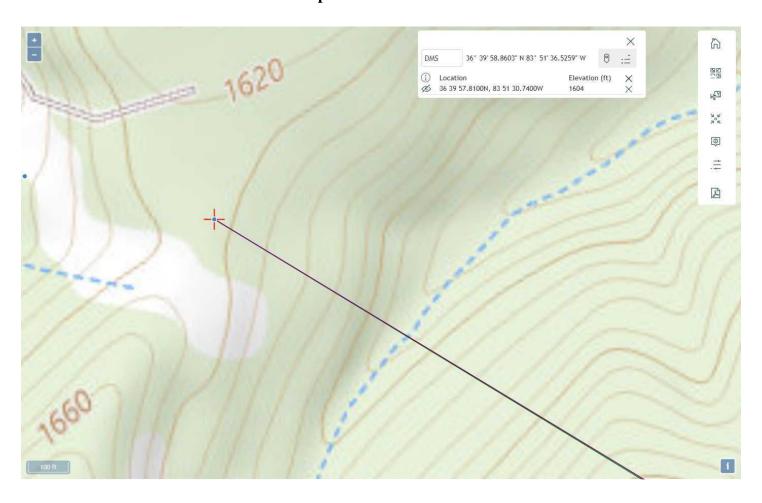


EXHIBIT F

KENTUCKY AIRPORT ZONING COMMISSION APPROVAL DOCUMENTATION



KENTUCKY AIRPORT ZONING COMMISSION

ANDY BESHEAR Governor

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

APPROVAL OF APPLICATION

Monday, August 11, 2025

VB BTS III, LLC 750 Park of Commerce Drive, Suite 200 Boca Raton, FL 33487

AS-2025-036-1A6 Middlesboro-Bell County Airport

APPLICANTS NAME: BTS Towers, LLC **NEAREST CITY:** Chenoa, KY

LATITUDE/LONGITUDE: 36°39'57.81" N, 83°51'30.74" W

HEIGHT (In Feet): 265' AGL/1869' AMSL

CONSTRUCTION PROPOSED: Telecommunications Tower

NOTES: The tower is approx 6.7 nm NW of 1A6, exceeds 200 ft AGL, and penetrates no protected air surfaces. **FAA DETERMINATION:** 2025-ASO-7808-OE. No Hazard to Air Navigation. Marked & lighted IAW FAA AC 70/7460-1 M C1; med-dual system-Chapters 4,8(M-Dual) &15. Emissions must comply with FAA 5G C band compatibility evaluation process.

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, Dave Smith, at dave.smith@verticalbridge.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



May 20, 2025

VB BTS III, LLC
Dave Smith
750 Park of Commerce Drive – Suite 200
Boca Raton, FL 33487

RE: Geotechnical Investigation Summary Letter

US-KY-5421 Davisburg

100 Old Chenoa Road, Pineville, KY 40977(Bell County)

Dear Mr. Smith:

Future plans by VB BTS III, LLC, include the development of the target property with a self-supported tower measuring 255-foot with a 10-foot lightning arrestor.

On behalf of VB BTS III, LLC, Lotis hired Engineered Tower Solutions. (ETS), to conduct a Geotechnical Investigation at the target property. ETS completed the field work on May 13, 2025, which included three soil test boring (B-1) to the planned depth of 20 feet (bgs), (B-2) to the planned depth of 9.4 feet (bgs) and (B-3) to the planned depth of 8.3 feet (bgs). Boring B-1,2 and 3 was performed at the coordinates provided by Lotis (36.6660, -83.8585). The boring was performed using a hollow stem auger to advance the hole. Samples were obtained in accordance with ASTM D 1586. The samples were transported to a laboratory where they were classified in general accordance with the Unified Soil Classification System (USCS), using ASTM D2488.

Subsurface water 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.

ETS summarized that the "The USCS classification of the soils encountered in the boring brown, moist sandy lean clay with a medium stiff consistency, brown, moist clayey sand with a medium dense to dense consistency, partially weathered rock sampled as clayey sand and highly weathered and fractured siltstone."

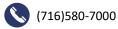
Based on the boring data, it is the opinion of ETS that either a pad and pier or a drilled shaft (caisson) foundation should be used to support the new tower.

This document is only a brief summary of the information presented in ETS's report and Lotis recommends that the entire report be reviewed by the reader.

Please feel free to reach out to Lotis with any questions regarding the geotechnical investigation.

David N. Robinson, P.E.

President/CEO















GEOTECHNICAL REPORT OF SUBSURFACE INVESTIGATION

May 19, 2025

PROPOSED SELF SUPPORT TOWER DAVISBURG (US-KY-5421)

100 Old Chenoa Road, Pineville, KY 40977

36.6660, -83.8585

Prepared for:



Prepared by:

ENGINEERED TOWER SOLUTIONS

Matt Nesbit, E.I.

Geotechnical Engineer II

att Neslit

F. Geoff Bost, P.E. Registered KY 28817

BORGOODD COOR SOLD

Reviewed by: Jorge Varela, P.E.

Senior Geotechnical Engineer

Job Number: 25135499



Project Summary

Item	Description			
Project Description	A geotechnical exploration and report have been prepared for this proposed 255-foot self-supported tower with 10-foot lighting arrestor. Included in this report are the results of the field exploration and the recommendations for the design of the foundation			
Site Coordinates	System. Latitude: 36.6660 Longitude: -83.8585			
Site Condition	The proposed tower will be installed at 100 Old Chenoa Road, Pineville, KY 40977			
Frost Depth	Based on the TIA Standard (TIA-222-H), dated October 2017, the recommended design frost penetration depth to be used for Bell 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).			

Job Number: 25135499



Field Exploration

Item	Description		
Date	May 13 th , 2025		
Number of Borings	3		
Location	B-1: Latitude: 36.6660 Longitude: -83.8585 B-2: Latitude: 36.6659 Longitude: -83.8584 B-3: Latitude: 36.6661 Longitude: -83.8585		
Equipment Used	Acker Rebel		
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	

Job Number: 25135499



Subsurface Profile

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

Material Encountered Approximate Depth to Bottom of Stratum		Description	Consistency / Density
CLAY	2	Brown, moist sandy lean clay	Medium Stiff
SAND 8		Brown, moist clayey sand	Medium Dense to Dense
PWR	10	Partially Weathered Rock sampled as clayey sand	
SILTSTONE 20		Highly weathered and fractured siltstone	

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.

Job Number: 25135499



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 Crushed stone base course may be used for the access roadway or beneath shallow foundations as a replacement material for overexcavated soils.	
Sand / Gravel with greater than 12% fines	GW/GP, SW/SP		
Near-Surface On-site soils ²	SC, CL	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.

Job Number: 25135499



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.

Job Number: 25135499



Ultimate Strength Parameters

Boring #	Depth (ft)	Unified Soil Classification	Total Unit Weight (pcf)	Friction Angle (degrees)	Cohesion (psf)
	0.0 - 2.0	CL	105		500
	2.0 - 4.0	SC	115	30	
B-1	4.0 - 6.0	SC	125	32	
	6.0 - 8.0	SC	125	32	
	8.0 - 10.0	PWR	130	38	
	10.0 - 20.0	SILTSTONE	145	45	
	0.0 - 2.0	CL	105		500
B-2	2.0 - 4.0	SC	120	30	
	4.0 - 6.0	SC	125	32	
	6.0 - 9.4	SC	125	32	
	0.0 - 2.0	CL	105		500
B-3	2.0 - 4.0	SC	120	30	
	4.0 - 6.0	SC	125	32	
	6.0 - 8.3	SC	125	32	

^{1.} Groundwater was not encountered at the time of drilling.

Based on the subsurface conditions and typical design foundation loads for similar self-support 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:

Job Number: 25135499



qa = Allowable Bearing Capacity (ksf)

SF = Safety Factor

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

 $k_{s-\nu}$ =Vertical Modulus of Subgrade Reaction (kcf)

 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	Net Ultimate Tip Bearing	Ultimate Sk (k	sf) Lateral		E 50
(ft)	Capacity (ksf)	Compressive	Uplift	Modulus (pci)	(in/in)
0.0 - 2.0					
2.0 - 4.0		0.2	0.2	90	
4.0 - 6.0		0.3	0.3	225	
6.0 - 8.0		0.3	0.3	225	
8.0 - 10.0		0.5	0.5	225	
10.0 - 20.0	40	1.4	1.4	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.

Job Number: 25135499



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

Depth ² (ft)	Net Ultimate Bearing Capacity ¹ (psf)	Sliding Friction Factor ¹
0.0 - 2.0		
2.0 - 4.0	5,000	0.35
4.0 – 12.0	10,000	0.55

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

Job Number: 25135499



Ultimate Passive Pressure and Friction Factor

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

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

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	$S_{ds} = 0.393g$ $S_{d1} = 0.169g$	

^{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.

Job Number: 25135499



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.

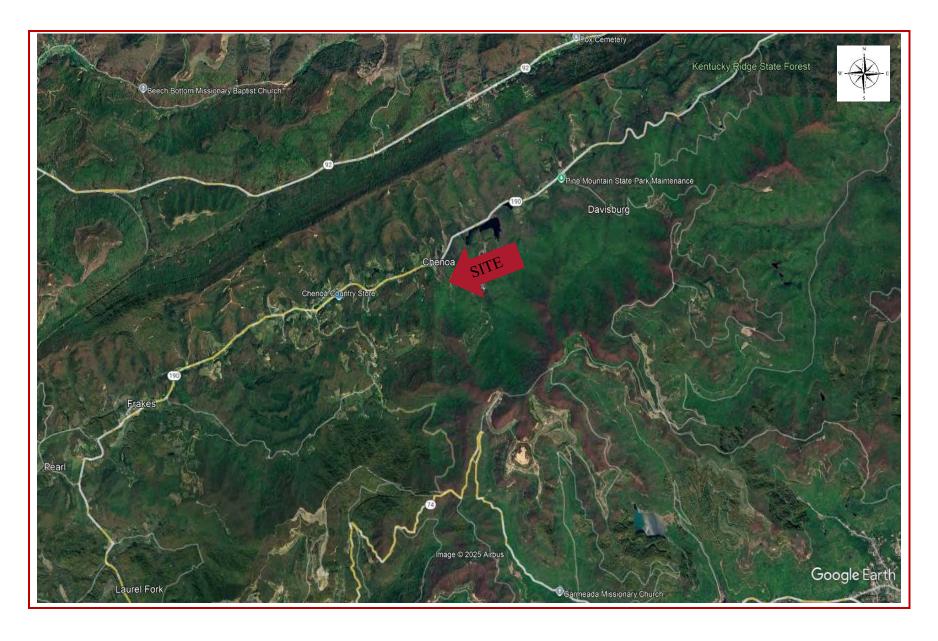
APPENDIX A LOCATION INFORMATION

SITE LOCATION PLAN

DAVISBURG (US-KY-5421)

Job Number: 25135499





BORING LOCATION PLAN

DAVISBURG (US-KY-5421)

Job Number: 25135499





DAVISBURG (US-KY-5421)

Job Number: 25135499





APPENDIX B SOIL TEST BORING

BORING NUMBER B-1 ENGINEERED TOWER SOLUTIONS PROJECT NAME Davisburg CLIENT The Lotis Group **PROJECT LOCATION** 100 Old Chenoa Road, Pineville, KY 40977 PROJECT NUMBER 25135499 DATE 5/13/2025 **COORDINATES** 36.666, -83.8585 **GROUND WATER LEVELS:** DRILLING METHOD Hollow Stem Auger (HSA) and Rock Coring AT TIME OF DRILLING _--- Not Encountered DRILLING EQUIPMENT Acker Rebel LOGGED BY M. Nesbit AT END OF DRILLING _--- Not Encountered **NOTES** AFTER DRILLING _--- Not Encountered SAMPLE TYPE NUMBER RECOVERY 9 (RQD) GRAPHIC LOG BLOW COUNTS (N VALUE) DEPTH (ft) MATERIAL DESCRIPTION ETS - BORING W/ROCK CORING 2 - ETS DATABASE JUN30.GDT - 5/19/25 10:39 - \\ ETS.LOCAL\ETS-PUBLIC\2025\135499 DAVISBURG\GE\1371 GEOTECHIREPORT\DAVISBURG\GP\ SANDY LEAN CLAY (CL), brown, moist, medium stiff. SS 2-2-3 (5) CLAYEY SAND (SC), brown, moist, medium dense to dense. SS 5-6-8 (14)SS 16-16-21 3 (37)SS 11-15-27 4 (42)PARTIALLY WEATHERED ROCK (PWR), , Sampled as clayey sand. SS 50/1" 5 ***** SILTSTONE, , Highly weathered and fractured. RC 87 RC-1 (15)15 RCRC-2 (52)Bottom of borehole at 20.0 feet.



BORING NUMBER B-2 PAGE 1 OF 1

		TOWER SOLUTIONS				
CLIEN	VT _Th	e Lotis Group	PROJECT NAME Davisburg			
PROJECT NUMBER 25135499 PROJECT LOCATION 100 Old Chenoa Road, Pineville, KY			e, KY 409	977		
DATE	5/13	/2025	COORDINATES 36.6659, -83.8584			
DRILL	LING M	ETHOD Hollow Stem Auger (HSA) and Rock Coring	GROUND WATER LEVELS:			
DRILL	ING E	QUIPMENT Acker Rebel	AT TIME OF DRILLING Not Encountered			
LOGG	SED BY	M. Nesbit	AT END OF DRILLING Not Encountered			
NOTE	s		AFTER DRILLING Not Encountered			
O DEPTH	GRAPHIC LOG	MATERIAL DESC	CRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)
		SANDY LEAN CLAY (CL), brown, moist, medium stiff.		SS 1		1-2-3 (5)
		CLAYEY SAND (SC), brown, moist, medium dense to dense	Э.	SS 2	-	13-12-11 (23)
5 5				SS 3	_	17-20-17 (37)
				SS 4	-	20-19-23 (42)
		Auger Refusal at	9.4 feet.			

ETS - BORING W/ROCK CORING 2 - ETS DATABASE_JUN30.GDT - 5/19/25 10:39 - \|ETS.LOCAL\ETS-PU



BORING NUMBER B-3 PAGE 1 OF 1

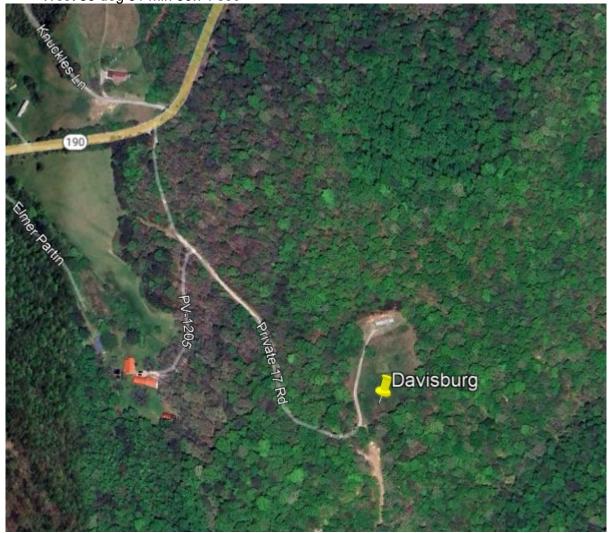
		TOWER SOLUTIONS				
CLIENT The Lotis Group			PROJECT NAME Davisburg			
PROJECT NUMBER 25135499			PROJECT LOCATION 100 Old Chenoa Road, Pineville, KY 40977			
DATE _5/13/2025			COORDINATES 36.6661, -83.8585			
DRI	LLING N	ETHOD Hollow Stem Auger (HSA) and Rock Coring	GROUND WATER LEVELS:			
DRILLING EQUIPMENT Acker Rebel			AT TIME OF DRILLING Not Encountered			
LOGGED BY M. Nesbit			AT END OF DRILLING Not Encountered			
NO	NOTES		AFTER DRILLING Not Encountered			
DEPTH (#)			CRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)
- INDAVISBURG		SANDY LEAN CLAY (CL), brown, moist, medium stiff.		SS 1		2-2-3 (5)
GEOTECHIREPORTIDAVISBORG.GFJ		CLAYEY SAND (SC), brown, moist, medium dense to dense	э.	SS 2		12-9-11 (20)
_ 5				SS 3		15-18-21 (39)
19_DAVISBORG/GE/13				SS 4		19-22-20 (42)
290011007	11111	Auger Refusal at	8.3 feet.	<u> </u>		

EXHIBIT H DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site

- 1. Beginning at 101 Courthouse Square, Pineville, KY, head southwest on Walnut Street (towards Kentucky Avenue) and travel approximately 0.1 miles.
- 2. Turn left onto Park Avenue and travel approximately 0.3 miles.
- 3. Turn right onto Park Avenue / Robert L. Madon Bypass and travel approximately 0.7 miles.
- 4. Continue onto US-25 E S / S 12th Street and travel approximately 0.8 miles.
- 5. Turn right onto State Hwy 190 and travel approximately 12.4 miles.
- 6. The access drive for this site is on the left.
- 7. The site coordinates are:

North 36 deg 39 min 57.81 sec West 83 deg 51 min 30.74 sec



Prepared by: Aaron Roof Pike Legal Group PLLC 1578 Highway 44 East, Suite 6 P.O. Box 369 Shepherdsville, KY 40165-3069

Telephone: 502-955-4400 or 800-516-4293

EXHIBIT I

COPY OF REAL ESTATE AGREEMENT COPY OF OMNIBUS ASSIGNMENT

Landlord:

Bill H. Partin 17102 Highway 190 Pineville, Kentucky 40977

Tenant:

BTS TOWERS, LLC 750 Park of Commerce Drive, Suite 200 Boca Raton, Florida 33487

Site #: US-KY-5421 Site Name: Davisburg

OPTION AND LEASE AGREEMENT

WHEREAS, Landlord owns certain real property located in the County of Bell, in the State or Commonwealth of Kentucky, that is more particularly described and/or depicted in Exhibit 1 attached hereto (the "Property"); and,

WHEREAS, Tenant desires to lease from Landlord a certain portion of the Property measuring approximately 5,625 square feet and to obtain easements for landscape buffer, utilities and access (collectively, the "Premises"), which Premises is more particularly described and/or depicted in Exhibit 2 attached hereto, for the placement of Communications Facilities (defined below).

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree:

1. OPTION TO LEASE.

(a) As of the Effective Date, Landlord grants to Tenant the exclusive option to lease the Premises (the "Option") during the Option Period (defined below). At any time during the Option Period and Term (defined below), Tenant and its agents, engineers, surveyors and other representatives will have the right to enter upon the Property to inspect, examine, conduct soil borings, drainage testing, material sampling, and other geological or engineering tests or studies of the Property (collectively, the "Tests"), to apply for and obtain licenses, permits, approvals, or other relief required of or deemed necessary or appropriate at Tenant's sole discretion for its use of the Premises including, without limitation, applications for zoning variances, zoning ordinances, amendments, special use permits, construction permits and any other permits and approvals deemed necessary by Tenant (collectively, the "Government Approvals"), initiate the ordering and/or scheduling of necessary utilities, obtain a title report with respect to the Property, and otherwise to do those things on or off the Property that, in the opinion of Tenant, are necessary in Tenant's sole discretion to determine the physical condition of the Property, the environmental history of the Property, and the feasibility or suitability of the Property for Tenant's permitted use under this Agreement, all at Tenant's expense. Tenant shall be authorized to apply for the Government Approvals on

behalf of Landlord and Landlord agrees to reasonably cooperate with such applications. Tenant will not be liable to Landlord or any third party on account of any pre-existing defect or condition on or with respect to the Property, whether or not such defect or condition is disclosed by Tenant's Tests. Tenant will restore the Property to its condition as it existed prior to conducting any Tests, reasonable wear and tear and casualty not caused by Tenant excepted. In addition, Tenant shall indemnify, defend and hold Landlord harmless from and against any and all injury, loss, damage or claims arising directly out of Tenant's Tests.

- (b) In consideration of Landlord granting Tenant the Option, Tenant agrees to pay Landlord the sum of Agreement. The Option Period will be for a term of two (2) years from the Effective Date (the "Option Period").
- (c) Tenant may exercise the Option at any time during the Option Period by delivery of written notice to Landlord (the "Notice of Exercise of Option"). The Notice of Exercise of Option shall set forth the commencement date (the "Commencement Date") of the Initial Term (defined below). If Tenant does not provide a Notice of Exercise of Option during the Option Period, this Agreement will terminate and the parties will have no further liability to each other.
- (d) During the Option Period or the Term, Landlord shall not take any action to change the zoning status or land use of the Property which would diminish, impair, or adversely affect the use of the Premises by Tenant for its permitted uses hereunder.

TERM.

- (a) Effective as of the Commencement Date, Landlord leases the Premises to Tenant subject to the terms and conditions of this Agreement for an initial term of five (5) years (the "Initial Term").
- (b) Tenant shall have the option to extend the Initial Term for nine (9) successive terms of five (5) years each (each a "Renewal Term"). Each Renewal Term shall commence automatically, unless Tenant delivers notice to Landlord, not less than thirty (30) days prior to the end of the then-current Term, of Tenant's intent not to renew. For purposes of this Agreement, "Term" shall mean the Initial Term and any applicable Renewal Term(s).

RENT

- (a) Beginning on the first (1st) day of the third (3rd) month after the Commencement Date ("Rent Commencement Date"), Tenant shall pay to Landlord a monthly rent payment of ("Rent") at the address set forth in Section 29 below on or before the fifth (5th) day of each calendar month in advance. The initial payment of Rent will be forwarded by Tenant to Landlord within thirty (30) days after the Rent Commencement Date.
- (b) The Rent shall increase by on each anniversary of the Rent Commencement Date.
- 4. TAXES. Tenant shall pay any personal property taxes assessed on, or any portion of such taxes attributable to, the Communications Facilities located on the Premises. Landlord shall pay when due all real property taxes and all other fees and assessments attributable to the Property and the Premises. Tenant shall pay as additional rent any increase in real property taxes levied against the Premises, which are directly attributable to Tenant's use of the Premises (but not, however, taxes attributable to periods prior to the Commencement Date such as roll-back or greenbelt assessments) if Landlord furnishes proof of such

increase to Tenant (such increase, the "Landlord Tax Reimbursement"). In the event that Landlord fails to pay when due any taxes affecting the Premises or any easement relating to the Premises, Tenant shall have the right, but not the obligation, to pay such taxes and any applicable interest, penalties or similar charges, and deduct the full amount of the taxes and such charges paid by Tenant on Landlord's behalf from future installments of Rent. Notwithstanding the foregoing, Tenant shall not have the obligation to pay any tax, assessment, or charge that Tenant is disputing in good faith in appropriate proceedings prior to a final determination that such tax is properly assessed, provided that no lien attaches to the Property. In addition, Tenant shall not have the obligation to pay or reimburse Landlord for the Landlord Tax Reimbursement if Landlord has not provided proof of such amount and demand therefor within one (1) year of the date such amount is due and payable by Landlord.

- 5. USE. The Premises are being leased for the purpose of erecting, installing, operating, maintaining, repairing and replacing radio or communications towers, transmitting and receiving equipment, antennas, dishes, satellite dishes, mounting structures, equipment shelters and buildings, solar energy conversion and electrical power generation system, fencing and other supporting structures and related equipment (collectively, the "Communications Facilities"), and to alter, supplement and/or modify same. Tenant may, subject to the foregoing, make any improvements, alterations or modifications to the Premises as are deemed appropriate by Tenant for the permitted use herein. Tenant shall have the right to clear the Premises of any trees, vegetation, or undergrowth which interferes with the use of the Premises for the intended purposes by Tenant and/or its subtenants and licensees, as applicable. Tenant shall have the exclusive right to install and operate the Communications Facilities upon the Premises.
- ACCESS AND UTILITIES. During the Term, Tenant and its guests, agents, employees, customers, invitees, subtenants, licensees and assigns shall have the unrestricted, exclusive right to use, and shall have free and unfettered access to, the Premises seven (7) days a week, twenty-four (24) hours a day. Landlord for itself, its successors and assigns, hereby grants and conveys unto Tenant, its customers, employees, agents, invitees, subtenants, licensees, successors and assigns a non-exclusive easement throughout the Term to a public right of way (a) for ingress and egress, and (b) for the construction. installation, operation, maintenance, repair and replacement of overhead and underground electric and other utility facilities (including fiber, backhaul, wires, poles, guys, cables, conduits and appurtenant equipment). with the right to reconstruct, improve, add to, enlarge, change and remove such facilities, over, across and through any easement for the benefit of and access to the Premises, subject to the terms and conditions herein set forth. Landlord agrees to coordinate, cooperate and assist Tenant with obtaining the required access and utility easements to the Premises from a public right of way up to and including negotiating and obtaining such access and utility rights from any applicable neighbor parcel. If there are utilities already existing on the Premises which serve the Premises, Tenant may utilize such utilities and services. The rights granted to Tenant herein shall also include the right to partially assign its rights hereunder to any public or private utility company or authority to facilitate the uses contemplated herein, and all other rights and privileges reasonably necessary for Tenant's safe and efficient use and enjoyment of the easements for the purposes described above. Upon Tenant's request, Landlord shall execute and deliver to Tenant requisite recordable documents evidencing the easements contemplated hereunder within fifteen (15) days of Tenant's request, and Landlord shall obtain the consent and joinder of Landlord's mortgagee to any such grant, if applicable.
- 7. EQUIPMENT, FIXTURES AND REMOVAL. The Communications Facilities shall at all times be the personal property of Tenant and/or its subtenants and licensees, as applicable. Tenant or its customers, subtenants or licensees shall have the right to erect, install, maintain, repair, replace and operate on the Premises such equipment, structures, fixtures, signs, and personal property as Tenant, its customers, subtenants or licensees may deem necessary or appropriate, and such property, including the equipment, structures, fixtures, signs, and personal property currently on the Premises, shall not be deemed to be part

of the Premises, but shall remain the property of Tenant or its customers, subtenants or licensees. Within ninety (90) days after the expiration or earlier termination of this Agreement (the "Removal Period"), Tenant, customers, subtenants or licensees shall remove its improvements and personal property and restore the Premises to grade and perform all obligations under this Agreement during the Removal Period, including, without limitation, the payment of Rent at the rate in effect upon the expiration or termination of this Agreement.

8. ASSIGNMENT AND SUBLEASE. Tenant may transfer or assign this Agreement to Tenant's Lender (defined below), principal, affiliates, subsidiaries, subsidiaries of its principal or to any entity which acquires all of or substantially all of Tenant's assets or ownership interests by reasons of merger, acquisition or other business reorganization without Landlord's consent (a "Permitted Assignment"). As to transfers or assignments which do not constitute a Permitted Assignment, Tenant is required to obtain Landlord's written consent prior to effecting such transfer or assignment, which consent shall not be unreasonably withheld, conditioned or delayed. Upon such assignment, including a Permitted Assignment, Tenant will be relieved and released of all obligations and liabilities hereunder. Tenant shall have the exclusive right to sublease or grant licenses without Landlord's consent to use all or part of the Premises and/or the Communications Facilities, but no such sublease or license shall relieve or release Tenant from its obligations under this Agreement. Landlord may assign this Agreement only in its entirety and only to any person or entity who or which acquires fee title to the Property, subject to Section 15. Landlord may subdivide the Property without Tenant's prior written consent provided the resulting parcels from such subdivision are required to afford Tenant the protections set forth in Section 14 hereof.

9. COVENANTS, WARRANTIES AND REPRESENTATIONS.

- (a) Landlord warrants and represents that it is the owner in fee simple of the Property, free and clear of all liens and encumbrances except as to those which may have been disclosed to Tenant in writing prior to the execution hereof, and that it alone has full right to lease the Premises for the Term.
- (b) Landlord shall pay promptly, when due, any other amounts or sums due and owing with respect to its ownership and operation of the Property, including, without limitation, judgments, taxes, liens, mortgage payments and other similar encumbrances. If Landlord fails to make any payments required under this Agreement, or breaches any other obligation or covenant under this Agreement, Tenant may (without obligation), after providing ten (10) days written notice to Landlord, make such payment or perform such obligation on behalf of Landlord and offset such payment (including any reasonable attorneys' fees incurred in connection with Tenant performing such obligation) against payments of Rent.
- (c) Landlord shall not do or knowingly permit anything that will interfere with or negate any special use permit or approval pertaining to the Premises or cause Tenant's use of the Premises to be in nonconformance with applicable local, state, or federal laws. Landlord shall cooperate with Tenant in any effort by Tenant to obtain certificates, permits, licenses and other approvals that may be required by any governmental authorities. Landlord agrees to execute any necessary applications, consents or other documents as may be reasonably necessary for Tenant to apply for and obtain the Government Approvals required to use and maintain the Premises and the Communications Facilities.
- (d) To the best of Landlord's knowledge, Landlord has complied and shall comply with all laws with respect to the Property. No asbestos-containing thermal insulation or products containing PCB, formaldehyde, chlordane, or heptachlor or other hazardous materials have been placed on or in the Property by Landlord or, to the knowledge of Landlord, by any prior owner or user of the Property. There has been no release of or contamination by hazardous materials on the Property by Landlord, or to the knowledge of Landlord, any prior owner or user of the Property.

- (e) Tenant shall have access to all utilities required for the operation of Tenant's improvements on the Premises that are existing on the Property.
- (f) Landlord warrants and represents that there currently exist no licenses, sublicenses, or other agreements, written or oral, granting to any party or parties the right of use or occupancy of any portion of the Property; there are no outstanding options or rights of first refusal to purchase the Property or any portion thereof or interest therein, or any equity or interest in Landlord if Landlord is an entity; and there are no parties (other than Landlord) in possession of the Property except as to those that may have been disclosed to Tenant in writing prior to the execution hereof.
- 10. HOLD OVER TENANCY. Should Tenant or any assignee, sublessee or licensee of Tenant hold over the Premises or any part thereof after the expiration of this Agreement, such holdover shall constitute and be construed as a tenancy from month-to-month only, but otherwise upon the same terms and conditions.
- 11. INDEMNITIES. Each party agrees to indemnify, defend and hold harmless the other party, its parent company or other affiliates, successors, assigns, officers, directors, shareholders, managers, members, agents and employees (collectively, "Indemnified Persons") from and against all claims, actions, judgments, damages, liabilities, losses, expenses and costs (including, without limitation, reasonable attorneys' fees and court costs) (collectively, "Losses") caused by or arising out of (a) such party's breach of any of its obligations, covenants, representations or warranties contained herein, or (b) such party's acts or omissions with regard to this Agreement; provided, however, in no event shall a party indemnify the other party for any such Losses to the extent arising from the gross negligence or willful misconduct of the party seeking indemnification. However, in the event of an Indemnified Person's contributory negligence or other fault, the Indemnified Person shall not be indemnified hereunder to the extent that the Indemnified Person's negligence or other fault caused such Losses. Tenant will indemnify Landlord from and against any mechanic's liens or liens of contractors and subcontractors engaged by or through Tenant.

12. WAIVERS.

- (a) Landlord hereby waives any and all lien rights it may have, statutory or otherwise, in and to the Communications Facilities or any portion thereof, regardless of whether or not such is deemed real or personal property under applicable laws. Landlord will not assert any claim whatsoever against Tenant for loss of anticipatory profits or any other indirect, special, incidental or consequential damages incurred by Landlord as a result of the construction, maintenance, operation or use of the Premises by Tenant.
- (b) EACH PARTY HERETO WAIVES ANY AND ALL CLAIMS AGAINST THE OTHER FOR ANY LOSS, COST, DAMAGE, EXPENSE, INJURY OR OTHER LIABILITY WHICH IS IN THE NATURE OF INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES WHICH ARE SUFFERED OR INCURRED AS THE RESULT OF, ARISE OUT OF, OR ARE IN ANY WAY CONNECTED TO THE PERFORMANCE OF THE OBLIGATIONS UNDER THIS AGREEMENT.
- 13. INSURANCE. Tenant shall insure against property damage and bodily injury arising by reason of occurrences on or about the Premises in the amount of not less than the insurance coverage provided for herein may be maintained pursuant to master policies of insurance covering other communication facilities of Tenant and its corporate affiliates. All insurance policies required to be maintained by Tenant hereunder shall be with responsible insurance companies, authorized to do business

in the State or Commonwealth where the Premises are located if required by law, and shall provide for cancellation only upon ten (10) days' prior written notice to Landlord. Tenant shall evidence such insurance coverage by delivering to Landlord, if requested, a copy of a certificate of insurance of such policies issued by the insurance companies underwriting such risks.

- INTERFERENCE. During the Option Period and the Term, Landlord, its successors and assigns, 14. will not grant any ground lease, license, or easement with respect to the Property (outside of the Premises) and any property adjacent or contiguous to the Property or in the immediate vicinity of the Property that is fee owned by Landlord: (a) for any of the uses contemplated in Section 5 herein; or (b) if such lease, license, or easement would detrimentally impact the Communications Facilities or Tenant's economic opportunities at the Premises, or the use thereof. Landlord shall not cause or permit the construction of communications or broadcast towers or structures, fiber optic backhaul facilities, or satellite facilities on the Property or on any other property of Landlord adjacent or contiguous to or in the immediate vicinity of the Property, except for the Communications Facilities constructed by Tenant. Landlord and Tenant intend by this Agreement for Tenant (and persons deriving rights by, through, or under Tenant) to be the sole parties to market, use, or sublease any portion of the Property for Communications Facilities during the Option Period and the Term. Landlord agrees that this restriction on the use of the Property is commercially reasonable, not an undue burden on Landlord, not injurious to the public interest, and shall be specifically enforceable by Tenant (and persons deriving rights by, through or under Tenant) in a court of competent jurisdiction. The foregoing restriction shall run with the land and be binding on the successors and assigns of Landlord.
- 15. RIGHT OF FIRST REFUSAL. In the event Landlord determines to sell, transfer, license or otherwise convey any interest, whether fee simple interest, easement interest, leasehold, or otherwise, and whether direct or indirect by way of transfer of ownership interests in Landlord if Landlord is an entity, which interest underlies or affects any or all of the Premises (the "ROFR Property") to any third party that is a Third Party Competitor (as defined below), Landlord shall offer Tenant a right of first refusal to purchase the Premises (or such larger portion of the Property that encompasses the Premises, if applicable). For purposes herein, a "Third Party Competitor" is any person or entity directly or indirectly engaged in the business of owning, acquiring, operating, managing, investing in or leasing communications infrastructure or any person or entity directly or indirectly engaged in the business of owning, acquiring, or investing in real property leases or easements underlying communications infrastructure. In such event, Landlord shall send a written notice to Tenant in accordance with Section 29 below that shall contain an offer to Tenant of a right of first refusal to purchase the ROFR Property, together with a copy of any offer to purchase, or any executed purchase agreement or letter of intent (each, an "Offer"), which copy shall include, at a minimum, the purchase price or acquisition price, proposed closing date, and financing terms (collectively, the "Minimum Terms"). Within thirty (30) days of receipt of such Offer, Tenant shall provide written notice to Landlord of Tenant's election to purchase the ROFR Property on the same Minimum Terms, provided: (a) the closing date shall be no sooner than sixty (60) days after Tenant's purchase election notice; (b) given Landlord's direct relationship and access to Tenant, Tenant shall not be responsible for payment of any broker fees associated with an exercise of Tenant's rights to acquire the ROFR Property; and, (c) Tenant shall not be required to match any components of the purchase price which are speculative or incalculable at the time of the Offer. In such event, Landlord agrees to sell the ROFR Property to Tenant subject to Tenant's payment of the purchase price and compliance with a purchase and sale agreement to be negotiated in good faith between Landlord and Tenant. If Tenant provides written notice that it does not elect to exercise its right of first refusal to purchase the ROFR Property, or if Tenant does not provide notice of its election within the thirty (30) day period, Tenant shall be deemed to have waived such right of first refusal only with respect to the specific Offer presented (and any subsequent Offers shall again be subject to Tenant's continuing right of first refusal hereunder), and Landlord shall be permitted to consummate the sale of the ROFR Property in accordance with the strict terms of the Offer

("Permitted Sale"). If Landlord does not consummate the Permitted Sale within ninety (90) days of the date of Tenant's waiver of its right of first refusal, including if the Minimum Terms are modified between Landlord and the Third Party Competitor, Landlord shall be required to reissue a New Offer to Tenant.

- 16. SECURITY. The parties recognize and agree that Tenant shall have the right to safeguard and protect its improvements located upon or within the Premises. Consequently, Tenant may elect, at its expense, to construct such enclosures and/or fences as Tenant reasonably determines to be necessary to secure the Communications Facilities. Tenant may also undertake any other appropriate means to restrict access to the Communications Facilities including, without limitation, if applicable, installing security systems, locks and posting signs for security purposes and as may otherwise be required by law.
- 17. FORCE MAJEURE. The time for performance by Landlord or Tenant of any term, provision, or covenant of this Agreement shall be deemed extended by time lost due to delays resulting from acts of God, strikes, civil riots, floods, pandemics, material or labor restrictions by governmental authority, government shutdowns, quarantines, and/or other disease control measures and any other cause not within the control of Landlord or Tenant, as the case may be.

18. CONDEMNATION; CASUALTY.

- (a) In the event Landlord receives any notice of any condemnation proceedings, or other proceedings in the nature of eminent domain related to the Property or the Premises, it will forthwith send a copy of such notice to Tenant. If all or any part of the Premises is taken by eminent domain, Tenant may, upon written notice to Landlord, elect to terminate this Agreement, whereupon neither party shall have any further liability or obligation hereunder. Notwithstanding any provision of this Agreement to the contrary, in the event of condemnation of all or any part of the Premises, Landlord and Tenant shall be entitled to separate awards with respect to the Premises, in the amount determined by the court conducting such condemnation proceedings based upon Landlord's and Tenant's respective interests in the Premises. If a separate condemnation award is not determined by such court, Landlord shall permit Tenant to participate in the allocation and distribution of the award. In no event shall the condemnation award to Landlord exceed the unimproved value of the Premises, without taking into account the improvements located thereon.
- In case of damage to the Premises or the Communications Facilities by fire or other casualty, Landlord shall, at its expense, cause any damage to the Property (excluding the Communications Facilities) to be repaired to a condition as nearly as practicable to that existing prior to the damage, with reasonable speed and diligence, subject to delays which may arise by reason of adjustment of loss under insurance policies, governmental regulations, and for delays beyond the control of Landlord, including a force majeure. Landlord shall coordinate with Tenant as to the completion of Landlord's work to restore the Property so as not to adversely impact Tenant's use of the Premises and the Communications Facilities. Landlord shall not be liable for any inconvenience or annoyance to Tenant, or injury to Tenant's business or for any consequential damages resulting in any way from such damage or the repair thereof, except to the extent and for the time that the Communications Facilities or the Premises are thereby rendered unusable for Tenant's intended purpose the Rent shall proportionately abate. In the event the damage shall be so extensive that Tenant shall decide, in its sole discretion, not to repair or rebuild the Communications Facilities, or if the casualty shall not be of a type insured against under standard fire policies with extended type coverage, or if the holder of any mortgage, deed of trust or similar security interest covering the Communications Facilities shall not permit the application of adequate insurance proceeds for repair or restoration, this Agreement shall, at the sole option of Tenant, exercisable by written notice to Landlord, be terminated as of the date of such casualty, and the obligation to pay Rent (taking into account any abatement as aforesaid) shall cease as of the termination date and Tenant shall thereupon promptly vacate the Premises.

- 19. **DEFAULT**. The failure of Tenant or Landlord to perform any of the covenants of this Agreement shall constitute a default. The non-defaulting party shall give the other written notice of such default, and the defaulting party shall cure such default within thirty (30) days after receipt of such notice. In the event any such default cannot reasonably be cured within such thirty (30) day period, if the defaulting party shall proceed promptly after the receipt of such notice to cure such default, and shall pursue curing such default with due diligence, the time for curing shall be extended for such period of time as may be necessary to complete such curing, however, in no event shall this extension of time be in excess of sixty (60) days, unless agreed upon by the non-defaulting party.
- 20. REMEDIES. Should the defaulting party fail to cure a default under this Agreement, the other party shall have all remedies available either at law or in equity, and the right to terminate this Agreement. In the event Landlord elects to terminate this Agreement due to a default by Tenant (which remains uncured by Lender), Landlord shall continue to honor all sublease and license commitments made by Tenant through the expiration of the term of any such commitment and shall be entitled to collect and retain the rents or license fees associated with such subleases or license commitments, it being intended hereby that each such commitment shall survive the early termination of this Agreement.
- 21. ATTORNEYS' FEES. If there is any legal proceeding between Landlord and Tenant arising from or based on this Agreement, the unsuccessful party to such action or proceeding shall pay to the prevailing party all costs and expenses, including, without limitation, reasonable attorneys' fees and disbursements, incurred by such prevailing party in such action or proceeding and in any appeal in connection therewith. If such prevailing party recovers a judgment in any such action, proceeding or appeal, such costs, expenses and attorneys' fees and disbursements shall be included in and as a part of such judgment.
- 22. ADDITIONAL TERMINATION RIGHT. If at any time during the Term, Tenant determines, in Tenant's sole and absolute discretion, with or without cause, that the Premises is no longer suitable or desirable for Tenant's intended use and/or purposes, Tenant shall have the right to terminate this Agreement upon sixty (60) days prior written notice to Landlord.
- 23. PRIOR AGREEMENTS. The parties hereby covenant, recognize and agree that the terms and provisions of this Agreement shall constitute the sole embodiment of the arrangement between the parties with regard to the Premises, and that all other written or unwritten agreements, contracts, or leases by and between the parties with regard to the Premises are hereby terminated, superseded and replaced by the terms hereof.
- 24. SUBORDINATION, NON-DISTURBANCE AND ATTORNMENT. In the event the Property is encumbered by a mortgage or deed of trust or other security instrument of any kind (a "Landlord Mortgage"), Landlord, within fifteen (15) days following Tenant's request or immediately prior to the creation of any encumbrance created after the date this Agreement is fully executed, will obtain from the holder of each such Landlord Mortgage a fully-executed subordination, non-disturbance and attornment agreement (an "SNDA") in recordable form, which shall be prepared or approved by Tenant. The holder of every such Landlord Mortgage shall, in the SNDA, agree that in the event of a foreclosure, or conveyance in lieu of foreclosure of Landlord's interest in the Premises, such Landlord Mortgage holder shall recognize and confirm the validity and existence of this Agreement, not disturb the tenancy of Tenant (and its customers, subtenants, and licensees) shall have the right to continue its use and occupancy of the Premises in accordance with the provisions of this Agreement, provided Tenant is not in default of this Agreement beyond applicable notice and cure periods.
- 25. LENDER'S RIGHTS.

- (a) Landlord agrees to recognize the subleases and licenses of all subtenants and licensees and will permit each of them to remain in occupancy of its premises notwithstanding any default hereunder by Tenant so long as each such respective subtenant or licensee is not in default under the lease/license covering its premises. Landlord agrees to execute such documents as any such subtenant and/or licensee might reasonably require, including customary subordination, non-disturbance and attornment agreements and/or Landlord recognition agreements, to further memorialize the foregoing, and further agrees to use Landlord's best efforts to also cause its lenders to similarly acknowledge, in writing, subtenant's and licensee's right to continue to occupy its premises as provided above.
- (b) Tenant shall have the right from time to time to mortgage or otherwise encumber Tenant's interest in this Agreement, the Communications Facilities and/or leasehold estate in the Premises (a "Tenant Mortgage") and Landlord consents to the granting by Tenant of a lien and security interest in Tenant's interest in this Agreement and/or leasehold estate of the Premises and all of Tenant's personal property and fixtures attached to the real property described herein, and furthermore consents to the exercise by any such lender of Tenant ("Lender") of its rights of foreclosure with respect to its lien and security interest. Landlord agrees to recognize Lender as Tenant hereunder upon any such exercise by Lender of its rights of foreclosure. The term "Lender" as used in this Agreement shall mean the lender identified in Section 29 hereof and its successors, assigns, designees or nominees.
- (c) Landlord hereby agrees to give Lender written notice of any breach or default of Tenant of the terms of this Agreement within fifteen (15) days after the occurrence thereof at the address set forth in Section 29. Landlord further agrees that no default under this Agreement by Tenant shall be deemed to have occurred unless such notice to Lender is also given and that, in the event of any such breach or default under the terms of this Agreement, Lender shall have the right, to the same extent, for the same period and with the same effect, as Tenant, plus an additional ninety (90) days after any applicable grace period to cure or correct any such default.
- (d) Landlord acknowledges that nothing contained herein shall be deemed or construed to obligate Lender to take any action hereunder, or to perform or discharge any obligation, duty or liability of Tenant under this Agreement. Lender shall not become liable under the provisions of this Agreement or any lease executed pursuant to Section 26 hereof unless and until such time as it becomes, and then only for as long as it remains, the owner of the leasehold estate created hereby or thereby.
- (e) This Agreement shall not be amended or modified without the consent of Lender. In the event that Lender shall become the owner of such leasehold estate, Lender shall not be bound by any modification or amendment of this Agreement made subsequent to the date of a Tenant Mortgage unless Lender shall have consented to such modification or amendment at the time it was made.

RIGHT TO NEW LEASE.

(a) In the case of termination of this Agreement for any reason, or in the event this Agreement is rejected or disaffirmed pursuant to any bankruptcy, insolvency or other law affecting creditor's rights, Landlord shall give prompt notice thereof to Lender at the address set forth in Section 29 or as may be provided to Landlord by Tenant following the Commencement Date. Thereafter, Landlord, upon written request of Lender, and within thirty (30) days after the receipt of such request, shall promptly execute and deliver a new lease of the Premises and assignment of all subleases and licenses to Lender or its designee or nominee, for the remainder of the Term upon all the covenants, conditions, limitations and agreements contained herein (including, without limitation, options to extend the Term) except for such provisions which must be modified to reflect such termination, rejection or disaffirmance and the passage of time,

provided that Lender (i) shall pay to Landlord, simultaneously with the delivery of such new lease, all unpaid rent due under this Agreement up to and including the date of the commencement of the term of such new lease and all reasonable expenses, including, without limitation, reasonable attorneys' fees and disbursements and court costs, incurred by Landlord in connection with the default by Tenant, the termination of this Agreement and the preparation of the new lease, and (ii) shall cure all defaults existing under this Agreement which are susceptible to being cured by Lender promptly and with due diligence after the delivery of such new lease. Notwithstanding anything to the contrary contained herein, provided Lender shall have otherwise complied with the provisions of this Section, Lender shall have no obligation to cure any defaults which are not susceptible to being cured by Lender (for example, the bankruptcy of Tenant).

(b) For so long as Lender shall have the right to enter into a new lease with Landlord pursuant to this Section, Landlord shall not enter into a new lease of the Premises with any person or entity other than Lender, without the prior written consent of Lender.

27. ADDITIONAL PROVISIONS.

- (a) The parties hereto agree that (i) Tenant is in possession of the Premises notwithstanding the fact that Tenant has subleased or licensed, or may in the future sublease or license, certain of the improvements thereon or portions of the Premises to third parties, and (ii) the requirements of Section 365(h) of Title 11 of the United States Code (the Bankruptcy Code) with respect to Tenant's possession of the leasehold under this Agreement are satisfied. Accordingly, the right of Tenant to remain in possession of the leasehold under this Agreement shall continue notwithstanding any rejection of this Agreement in any bankruptcy proceeding involving Landlord, or any other actions by any party in such a proceeding. This provision, while included in this Agreement, has been separately negotiated and shall constitute a separate contract between the parties as well as a part of this Agreement. The provisions of this Section are for the benefit of Tenant and its assigns, including, without limitation, Lender. The parties hereto also agree that Lender is a party in interest and shall have the right to appear as a party in any proceeding brought under any bankruptcy law or under any other law which may affect this Agreement.
- (b) The provisions of Section 25 and Section 26 hereof shall survive the termination, rejection or disaffirmance of this Agreement and shall continue in full force and effect thereafter to the same extent as if such Sections were a separate and independent contract made by Landlord, Tenant and Lender and, from the effective date of such termination, rejection or disaffirmance of this Agreement to the date of execution and delivery of such new lease, Lender may use and enjoy the leasehold estate created by this Agreement without hindrance by Landlord. The aforesaid agreement of Landlord to enter into a new lease with Lender shall be deemed a separate agreement between Landlord and Lender, separate and apart from this Agreement as well as a part of this Agreement, and shall be unaffected by the rejection of this Agreement in any bankruptcy proceeding by any party.
- (c) Landlord shall have no right, and expressly waives any right arising under applicable law, in and to the rentals or other fees payable to Tenant, if any, under any sublease or license of the Premises by Tenant, which rentals or fees may be assigned by Tenant to Lender.
- (d) If a Tenant Mortgage is in effect, this Agreement shall not be modified or amended by the parties hereto, or terminated or surrendered by Tenant, nor shall Landlord accept any such termination or surrender of this Agreement by Tenant, without the prior written consent of Lender.
- (e) The provisions of <u>Section 25</u> and <u>Section 26</u> hereof are for the benefit of Lender and may be relied upon and shall be enforceable by Lender as if Lender were a party to this Agreement.

- (f) Landlord shall, within ten (10) days of the request of Tenant or any Lender or prospective Lender, provide an estoppel certificate as to any matters reasonably requested by Tenant or Lender.
- (g) The right to extend or renew this Agreement and any right of first refusal to purchase the Premises may be exercisable by the holder of a Tenant Mortgage and, before the expiration of any periods to exercise such a right, Landlord must provide to Lender at least thirty (30) days prior written notice before the expiration of the right to so extend or renew in order to extinguish Lender's right to so extend, renew or purchase.
- (h) Under no circumstances shall the fee estate of Landlord and the leasehold estate created hereby merge, even though owned by the same party, without the written consent of the holder of a Tenant Mortgage.
- 28. QUIET ENJOYMENT. So long as Tenant is not in default under this Agreement beyond the applicable notice and cure period, Landlord covenants and agrees that Tenant shall peaceably and quietly hold and enjoy the Premises throughout the Term, without any hindrance, molestation or ejection by Landlord, its successors or assigns or by those claiming by, through or under them.
- 29. NOTICES. All notices, requests, claims, demands, and other communications hereunder shall be in writing and may be hand delivered (provided the deliverer provides proof of delivery) or sent by nationally established overnight courier that provides proof of delivery, or certified or registered mail (postage prepaid, return receipt requested). Notice shall be deemed received on the date of delivery as demonstrated by the receipt of delivery. Notices shall be delivered to a party at the party's respective address below, or to such other address that a party below may provide from time to time:

If to Landlord: Bill H. Partin and Amy B. Partin If to Tenant:

BTS TOWERS, LLC 750 Park of Commerce Drive, Suite 200 Boca Raton, Florida 33487

Ref: US-KY-5421

Attn: VP Asset Management

With a copy to: General Counsel

If to Lender:

Toronto Dominion (Texas) LLC 31 West 52nd Street New York, NY 10019 Attn: Admin Agent Fax No. 416-982-5535

30. MISCELLANEOUS.

- (a) Each party hereto warrants and represents that it has the necessary power and authority to enter into and perform its respective obligations under this Agreement.
- (b) If any term of this Agreement is found to be void or invalid, such invalidity shall not affect the remaining terms of this Agreement, which shall continue in full force and effect.
 - (c) All attached exhibits are hereby incorporated by this reference as if fully set forth herein.
- (d) Failure of a party to insist on strict performance of any of the conditions or provisions of this Agreement, or failure to exercise any of a party's rights hereunder, shall not waive such rights.
- (e) This Agreement shall be governed by and construed in accordance with the laws of the State or Commonwealth in which the Premises are located.

- (f) This Agreement constitutes the entire agreement and understanding of the parties and supersedes all offers, negotiations, other leases and/or agreements with regard to the Premises. There are no representations or understandings of any kind not set forth herein. Any amendment to this Agreement must be in writing and executed by both parties.
- (g) This Agreement shall be binding upon and shall inure to the benefit of the parties hereto and their respective heirs, legal representatives, successors and assigns.
- (h) A short-form Memorandum of Option to Lease (and a short-form Memorandum of Lease in the event Tenant exercises its option to lease the Premises) may be recorded at Landlord's or Tenant's option in the form as depicted in **Exhibit 3** and **Exhibit 4** respectively, attached hereto. In addition, Tenant's subtenants and licensees shall have the right to record a memorandum of its sublease or license with Tenant.
- (i) Landlord shall keep the terms of this Agreement confidential and shall not disclose any terms contained within this Agreement to any third party other than such terms as are set forth in Memorandum of the Option to Lease or Memorandum of Lease.

SIGNATURES BEGIN ON NEXT PAGE

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the Effective Date (date last signed by a party hereto).

WITNESSES:	LANDLORD:
	Bill H. Partin
Name:	Bill H. Parun
Name:	Date: 3-5-25 Aurly B. Partin
	Date: 3-5-25
STATE OF Kentucky	V
COUNTY OF BUIL	
The foregoing instrument was acknowledged be 20_25 by Bill H. Partin and Amy B. Pa	efore me this March 5th artin.
Notary Purisic, Scotts 9(0)	93 CALEE SCOTA
Print Name: Jessica Ocot+	as (Zoraz) sa
My Commission Expires: 01 27 29	PARGE KETTOO

(Tenant signature page to Option and Lease Agreement)

WITNESSES:	TENANT: BTS TOWERS, LLC a Delaware limited liability company By:
Name: Alex Greenberg	Name: Randy Wilson Vice President Development Title: Date: 415/2035
STATE OF FLORIDA COUNTY OF PALM BEACH	Leasing Ops L9
The foregoing instrument was acknowledged before 20.05 by Party (a) 1000 (b) 1000 (title of signatory) of BTS TOWER on behalf of the company.	re me this
Potary Public	
Print Name: Ellock CICIDOX 11 My Commission Expires: 71163606	Notary Public State of Florida Elise Reichbach My Commission HH 283047 Expires 7/16/2026

EXHIBIT 1

Legal Description of the Property (Parent Parcel)
(may be updated by Tenant upon receipt of final legal description from title)

The following described real property in Bell County, Kentucky, and more particularly described as follows:

Beginning on a chestnut oak tree on top of a ridge at or near the line of Johnitha Partin; thence running Northwestwardly 30 poles to a chestnut oak; thence Eastwardly 30 poles to a stake; thence running Southeastwardly 30 poles to a stake; thence West to the beginning

Being the same real property deeded to Elmer Partin from Thelma Lowe and Wayland Lowe by deed dated July 25, 1972, and of record in Deed Book 212, Page 349, and recorded in the Bell County Court Clerk's Office

Said property also being described in Survey made on July 29, 1972, by Estel Parin, Surveyor under Kentucky License No. 2122, as follows:

Beginning on a chestnut oak tree on top of a ridge at or near the line of Johnitha Partin, thence N 69 W 100 feet, thence N 60 W 100 feet, thence N 60 W 178 feet to a corner, thence S 4 E 156 feet; thence S 10E 154 feet, thence S 21 E 143 feet to a corner, thence N 67 E 100 feet, thence N 60 E 166 feet to a corner, thence N 33 E 228 feet, thence D 33 W 100 feet, thence N 31 W 186 feet to the beginning.

Being the same real property conveyed to Caleb Partin and wife, Alicia Partin by deed of conveyance from Neveda Partin, widow, and recorded in Deed Book 380, Page 693, and recorded in the Bell County Court Clerk's Office.

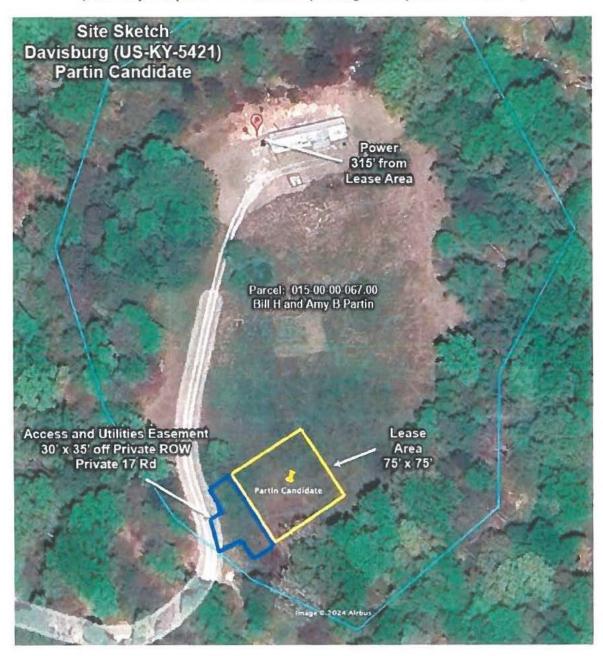
Together with that Deed of Easement from the Commonwealth of Kentucky, Natural Resources and Environmental Protection Cabinet, Division of Forestry to Billy H. Partin and Nevada Ann Partin as recorded in Deed Book 268, Page 192, and recorded in the Bell County Court Clerk's Office.

Parcel ID No.: 15-00-00-067.00

This being the same property conveyed to Bill H. Partin and Amy B. Partin, married from Caleb Partin and Alicia Partin, married in a Deed dated October 28, 2022 and recorded January 17, 2023 in Book D399 Page 663 in Bell County, Kentucky.

EXHIBIT 2

Premises (below may be replaced with a final survey and legal description of the Premises)





Andy Beshear

FINANCE AND ADMINISTRATION CABINET DEPARTMENT FOR FACILITIES AND SUPPORT SERVICES DIVISION OF REAL PROPERTIES

Bush Building, 3rd Floor 403 Wapping Street Frankfort, Kentucky 40601 Phone: (502) 564-2205 Fax: (502) 564-8108 Holly M. Johnson

Charles O. Bush, Jr.
INTERIM COMMISSIONER

Natalie W. Brawner

August 11, 2025

Public Service Commission 211 Sower Building Frankfort, Kentucky 40601

RE: Wireless Communications Facility - US-KY-5421 Davisburg

100 Old Chenoa Road, Pineville, KY 40977

Parcel # 015-00-00-067.00 (Bell County Property Valuation Administrator "PVA")

36° 39' 57.81" N / 83° 51' 30.74" W

To Whom It May Concern,

I am aware of the proposal to construct a wireless communications facility, including a self-support tower, at the above-referenced location. The owners of parcel #040-00-00-024.00, as agencies of the Commonwealth of Kentucky, give VB BTS III, LLC or its tenants permission to use the existing roadway connecting parcel #015-00-00-067.00 to Kentucky Highway 190 for the purposes of constructing and maintaining the above referenced wireless communications facility. The legal description of the existing easement, granted to Billy H. Partin and Nevada Ann Partin, will need to be corrected, which will occur when the revised survey is completed by VB BTS III, LLC. After the survey is deemed satisfactory to the Commonwealth, the Commonwealth will also need to execute a license agreement with VB BTS III, LLC for access across the corrected easement (once the legal description has been revised).

Sincerely,	10/00//	
Signature:	Charles O. Bush f.	Date:8/11/25

Printed Name: Charles O. Bush, Jr.

Title: Interim Commissioner, Facilities and Support Services

On behalf of the owners of parcel #040-00-00-024.00



OMNIBUS ASSIGNMENT

THIS OMNIBUS ASSIGNMENT (this "Assignment") is entered into effective as the 27th day of June, 2025 (the "Transfer Date") and is by and between BTS TOWERS, LLC, a Delaware limited liability company ("Assignor"), and VB BTS III, LLC, a Delaware limited liability company ("Assignee").

WITNESSETH

WHEREAS, Assignor desires to assign to Assignee, and Assignee desires to take assignment from Assignor, effective as of the Transfer Date, all of Assignor's right, title, and interest in and to all agreements, leases, licenses, contracts, options, purchase agreements, permits, licenses, warranties, plans, drawings, due diligence, etc. related to the development, construction, operation and maintenance of the sites or potential sites set forth on Exhibit A (the "Sites"), attached hereto and incorporated herein, including without limitation all zoning and development approvals, title, evidence, surveys, environmental and NEPA reports, constructions plans, aerospace approvals, and any and all other documents, plans, permits, approvals, drawings, licenses, etc. related to the development, construction, operation and maintenance of the Sites (collectively, the "Assigned Property").

NOW THEREFORE, in consideration of the mutual agreements and covenants hereinafter set forth, and other good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, Assignor and Assignee mutually agree as follows:

- 1. **Assignment**. Assignor hereby assigns and transfers to Assignee all of Assignor's right, title, and interest in and to all of the Assigned Property, including the following (to the extent not already included):
- (a) All of the contracts and subcontracts, including, without limitation, carrier lease and license agreements, ground interest agreements such as option agreements, leases, easements, purchase contracts, general contractors' contracts, and architectural and engineering contracts, now or hereafter existing with respect to the construction and development of the Sites;
- (b) All permits, including without limitation, building permits, surveys, architectural and engineering plans and specifications, shop drawings, governmental approvals, licenses, agreements with any utility companies (together with any deposits, prepaid fees and charges paid thereon) and any other consents, approvals and rights which it may now or hereafter own with respect to or in connection with the Sites; and
- (c) All warranties and guaranties now or hereafter given covering any equipment, machinery, building supplies and materials, business machines, tools, appliances, fixtures and other property now or hereafter located on or placed upon the Sites, including without limitation, air conditioning, heating and other appliances and equipment.
- 2. Acceptance and Assumption of Assigned Property. Assignee hereby accepts the assignment of the Assigned Property and expressly assumes and covenants in favor of Assignor to pay, discharge and perform, as and when due, all obligations of Assignor under the Assigned Property, as applicable, accruing, arising out of, or relating to events or occurrences on and after the Transfer Date.
- 3. **Indemnification**. Assignee will indemnify, defend and hold harmless Assignor, its successors and assigns and their representatives, agents, employees, members, directors and officers from and against any and all damages, claims, losses, expenses, costs, obligations, and liabilities, including without limitation reasonable fees and expenses of attorneys ("**Losses and Liabilities**") arising out of or in

any way related to the Assigned Property and first accruing on or after the Transfer Date, except for Losses and Liabilities which arise out of or are in any way related to the Assigned Property and first accrue on or after the Transfer Date on account of any fact or circumstance first occurring or existing prior to the Transfer Date. Assignor will indemnify, defend and hold harmless Assignee, its successors and assigns and their representatives, agents, employees, members, directors and officers from and against any and all Losses and Liabilities arising out of or in any way related to the Assigned Property and first accruing prior to the Transfer Date.

- 4. **Counterparts; Electronic Signatures**. This Assignment may be executed in counterparts, each of which shall be deemed to be an original, but which together shall constitute one and the same instrument. Electronic signatures, including without limitation DocuSign, facsimile or PDF signatures, on this Assignment shall be deemed to be original signatures.
- 5. **Successors and Assigns**. This Assignment shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns.
- 6. **Further Assurances**. Assignor and Assignee agree that, from time to time, each of them will execute and deliver such further instruments of conveyance and transfer and take such other actions as may be reasonably necessary to carry out the purposes and intents of this Assignment and the transactions contemplated hereby.

[SIGNATURE PAGES IMMEDIATELY FOLLOWING]

[Assignee Signature Page to Omnibus Assignment]

IN WITNESS WHEREOF, Assignor and Assignee have executed and delivered this Assignment as of the Transfer Date.

ASSIGNOR:

BTS TOWERS, LLC

a Delaware limited liability company

By:

Allison Cannella
Allison Cannella
SVP & General Counsel

DocuSigned by:

ASSIGNEE:

VB BTS III, LLC

a Delaware limited liability company

By: Allison Cannella
Allison Cannella
Allison Cannella
SVP & General Counsel

Exhibit A

The Sites

US-AL-5388 US-AL-5434 US-AL-5436 US-AL-5544 US-AR-5194 US-AZ-7058 US-CA-5334 US-CA-5487 US-CA-5938 US-CA-7344 US-CO-5176 US-DE-5017 US-FL-5661 US-FL-5759 US-FL-5771 US-FL-5772 US-FL-5773 US-FL-5775 US-FL-5785 US-FL-5800 US-FL-5801 US-FL-5821 US-FL-6060 US-FL-6061 US-FL-6062 US-FL-6063 US-FL-6069 US-FL-6071 US-FL-6072 US-FL-6076 US-FL-6172 US-FL-6173 US-FL-6174 US-FL-6175 US-FL-6178

- US-FL-6179
- US-FL-6183
- US-FL-6184
- US-FL-6185
- US-FL-6195
- US-FL-6196
- US-FL-6198
- US-GA-5270
- UC CA 5274
- US-GA-5274
- US-GA-5353
- US-GA-5364
- US-GA-5381
- US-GA-5384
- US-GA-5385
- US-GA-5440
- US-GA-5445
- US-GA-5514
- US-GA-5524
- US-ID-5082
- US-ID-5084
- US-IL-5874
- US-IL-5875
- US-IL-5879
- US-IL-5880
- US-IL-5973
- US-IN-5174
- US-IN-5317
- US-IN-5318
- US-IN-5393
- US-IN-5394
- US-KS-5169
- US-KY-5153
- US-KY-5179
- US-KY-5244
- US-KY-5421
- US-KY-5422
- US-KY-5424
- US-KY-5425

- US-KY-5426
- US-LA-5469
- US-MD-5132
- US-MI-5372
- US-MI-5376
- US-MI-5398
- US-MI-5644
- US-MO-5530
- US-MO-5531
- US-MS-5224
- US-MS-5225
- 03-1013-3223
- US-MS-5226
- US-MS-5310
- US-MS-5313
- US-NC-5183
- US-NC-5186
- US-NC-5211
- US-NC-5305
- US-NC-5385
- US-NV-7009
- US-NY-5129
- US-NY-5159
- US-NY-5225
- US-OH-5258
- US-OH-5262
- US-OH-5265
- US-OH-5266
- US-OH-5268
- US-OH-5356
- US-OK-5210
- US-OR-5155
- US-PR-5090
- 03 111 3030
- US-PR-5092
- US-PR-5093
- US-PR-5097
- US-PR-5100
- US-RI-5019
- US-SD-5063

- US-TN-5383
- US-TN-5474
- US-TN-5561
- US-TN-5564
- US-TN-5568
- US-TN-5569
- US-TN-5570
- US-TX-5620
- US-TX-5626
- US-TX-5APN
- US-TX-5APP
- 03-1X-3AFF
- US-TX-5APQ
- US-TX-5APR
- US-TX-5APT
- US-TX-5APU
- US-TX-5APV
- **US-TX-5AQT**
- **US-TX-5AQW**
- **US-TX-5AUM**
- **US-TX-5AUN**
- **US-TX-5BAN**
- US-TX-6000
- US-TX-6084
- US-TX-6555
- US-TX-6569
- US-TX-6579
- US-TX-6589
- US-TX-6590
- US-TX-6594
- US-TX-6596
- US-TX-6605
- US-TX-6606
- US-TX-6608
- US-TX-6610
- US-TX-6729
- US-UT-5059
- US-VA-5370
- US-WA-5161

- US-WA-5171
- US-WA-7012
- US-WA-7015
- US-WA-7024
- US-WA-7025
- US-WA-7026
- US-WI-5416
- US-WI-5498
- US-WI-5754
- US-WI-5755
- 03-111-3733
- US-WI-5756
- US-WI-5758
- US-WI-5759
- US-WI-5791
- US-WI-5792
- US-WI-5793
- US-WI-5794
- US-WI-5799
- US-WV-5065
- 03 44 4 3003
- US-WV-5146

EXHIBIT J

NOTIFICATION LIST PVA RECORDS PROOF OF NOTICE

<u>Davisburg – Notice List</u>

Partin Bill H & Amy B PO Box 39 Frakes, KY 40940

Kentucky Dept of Fish & Wildlife Dept of Parks Frankfort, KY

Bell County, KY PVA

Parcel Summary

 Parcel Number
 015-00-00-067.00

 Account Number
 274557

Account Number 2/455/
Location Address KY 190 / CHENOA

Description PROPERTY AT BIG CLEAR CREEK & MOBILE

(Note: Not to be used on legal documents)

Class RESIDENTIAL (10)
Tax District 01-County
Deed Book/Page 399-663

View Map

Owner

PARTIN BILL H & AMY B PO BOX 39 FRAKES, KY 40940

Photos



The Bell County Assessor'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.

| User Privacy Policy | GDPR Privacy Notice Last Data Upload: 8/8/2025, 8:22:20 PM Contact Us



Bell County, KY PVA

Parcel Summary

040-00-00-024.00 Parcel Number

Account Number 275340

Location Address KY 92 / GOODIN BRANCH LAND AT GREENBRIAR HOLLOW Description (Note: Not to be used on legal documents)

Class EXEMPT OTHER (99) 01-County

Tax District Deed Book/Page

View Map

Owner

KENTUCKY DEPT OF FISH & WILDLIFE DEPT OF PARKS FRANKFORT, KY

No data available for the following modules: Improvements, Photos, Sketches.

The Bell County Assessor'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.

| User Privacy Policy | GDPR Privacy Notice Last Data Upload: 8/8/2025, 8:22:20 PM

Contact Us







USPS Tracking[®]

FAQs >

Tracking Number:

Remove X

9589071052703100774786

Copy Add to Informed Delivery (https://informeddelivery.usps.com/)

Latest Update

Your item was picked up at a postal facility at 10:34 am on August 13, 2025 in FRAKES, KY 40940.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Individual Picked Up at Postal Facility

FRAKES, KY 40940 August 13, 2025, 10:34 am

See All Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	~
USPS Tracking Plus®	~
Product Information	~

See Less ∧

Track Another Package

reedback

Enter t	tracking	or	barcode	numbers

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs

USPS Tracking[®]

FAQs >

Tracking Number: Remove X

9589071052703100774793

Copy Add to Informed Delivery (https://informeddelivery.usps.com/)

Latest Update

Your item was picked up at the post office at 8:04 am on August 14, 2025 in FRANKFORT, KY 40601.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Individual Picked Up at Post Office

FRANKFORT, KY 40601 August 14, 2025, 8:04 am

See All Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	~
USPS Tracking Plus®	~
Product Information	~

See Less ∧

Feedbac

Enter t	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 Site Name: DAVISBURG

Dear Landowner:

VB BTS III, LLC and New Cingular Wireless PCS, LLC are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 100 Old Chenoa Road, Pineville, KY 40977 (36° 39' 57.81" North latitude, 83° 51' 30.74" West longitude). The proposed facility will include a 255-foot tall tower with a 10-foot tall lightning arrestor attached at the top for a total height of 265 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 <u>or</u> 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 2025-00268 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. New Cingular Wireless PCS, LLC markets and provides wireless services under AT&T branding. AT&T's 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.

Sincerely, David A. Pike F. Keith Brown Attorneys 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

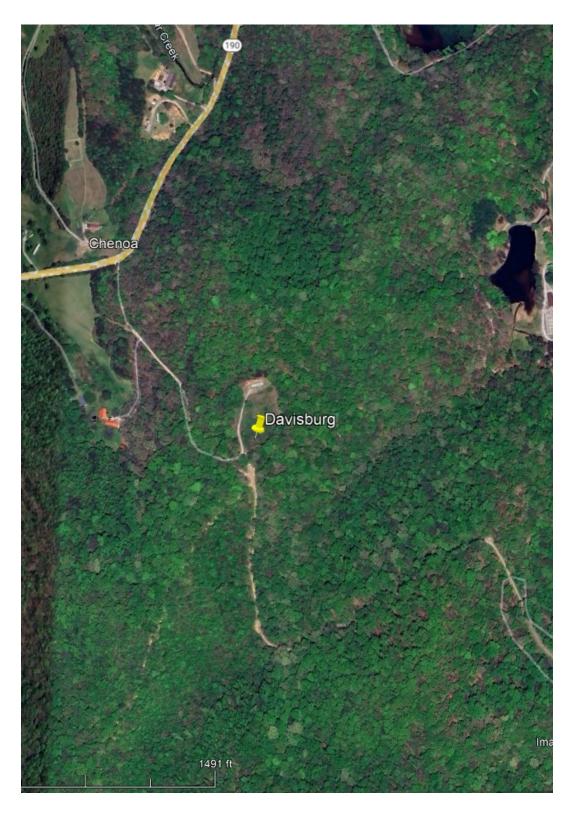


EXHIBIT L

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

Albey Brock County Judge Executive P.O. Box 339 Pineville, KY 40977

RE: Notice of Proposal to Construct Wireless Communications Facility

Kentucky Public Service Commission Docket No. 2025-00268

Site Name: Davisburg

Dear Judge/Executive:

VB BTS III, LLC and New Cingular Wireless PCS, LLC are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 100 Old Chenoa Road, Pineville, KY 40977 (36° 39' 57.81" North latitude, 83° 51' 30.74" West longitude). The proposed facility will include a 255-foot tall tower with a 10-foot tall lightning arrestor attached at the top for a total height of 265 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 2025-00268 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. New Cingular Wireless PCS, LLC markets and provides wireless services under AT&T branding. AT&T's 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.

Sincerely,
David A. Pike
F. Keith Brown
Attorneys for Applicant

enclosures

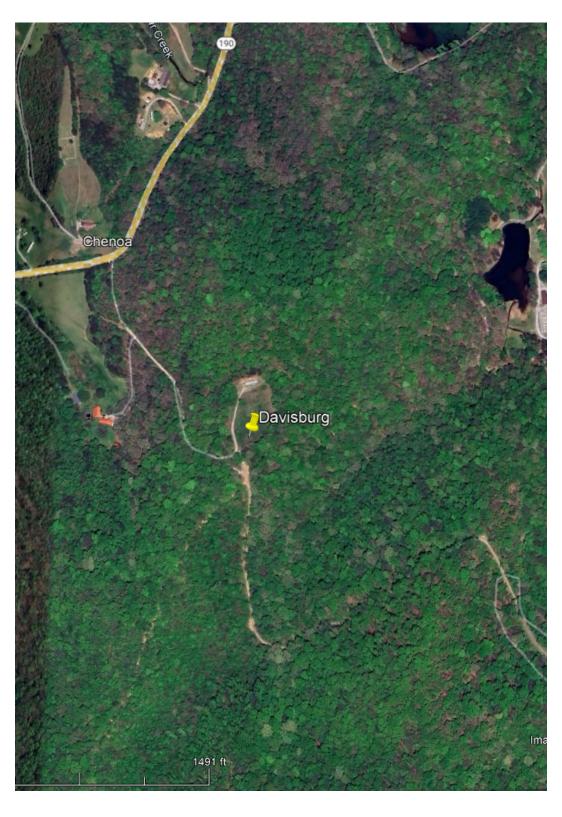


PIKE LEGAL GROUP PLLC

1578 Highway 44 East, Unit 6 PO Box 369 Shaphardsvilla, KV, 40165 0369

Shepherdsville, KY 40165-0369

Phone: 502-955-4400 Fax: 502-543-4410





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FAQs >

Tracking Number:

Remove X

9589071052703100774779

Add to Informed Delivery (https://informeddelivery.usps.com/) Copy

Latest Update

Your item was picked up at the post office at 8:51 am on August 14, 2025 in PINEVILLE, KY 40977.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Individual Picked Up at Post Office

PINEVILLE, KY 40977 August 14, 2025, 8:51 am

See All Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	~
USPS Tracking Plus®	~
Product Information	~

See Less \wedge

Enter t	tracking	or	barcode	numbers

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs

EXHIBIT M

COPY OF POSTED NOTICES AND NEWSPAPER NOTICE ADVERTISEMENT

SITE NAME: DAVISBURG 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.

VB BTS III, LLC and New Cingular Wireless PCS, LLC 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; telephone: (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00268 in your correspondence.

VB BTS III, LLC and New Cingular Wireless PCS, LLC 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; telephone: (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00268 in your correspondence.

PURSUANT TO SECTION 424.120 AND 242.340 of Kentucky Revised Statutes Notice to Creditors, Administration has been granted by the District Cout of Bell County upon the following estate:

> Melvin Anderson III, Deceased 7/16/2025 526 Virginia Ave Pineville, KY 40977

Emma Anderson, Administratrix Hon. Joseph Scott Lisenbee

J. Scott Lisenee, PSC

All persons having claims against the above estate(s) are notified to present same to the fiduciary verified according to law, no later than Feb 6th, 2025. Colby Slusher, Clerk Bell Circuit and District Courts

PURSUANT TO SECTION 424.120 AND 242.340 of

Kentucky Revised Statutes Notice to Creditors, Administration has been granted by the District Cout of Bell County upon the following estate:

Elizabeth Maria Smith, Administratrix Hon. Bill Hayes Hayes Law Office PO Box 817

Middlsboro, Ky 40965

All persons having claims against the above estate(s) are notified to present same to the fiduciary verified according to law, no later than Feb 6th, 2025. Colby Slusher, Clerk Bell Circuit and District Courts

NOTICE:

2002 CHEVY TAHOE

VIN:

1GNEK13Z22J317153

Owner:

Jeffrey Wayne Benfield

Vehicle will be sold on August 28, 2025 to pay for

towing and storage:

Lein holder:

Eastern Credit Unio

Anderson Towing

416 1/2 Dansbury Ave.

4iddlesboro, Ky 409

PURSUANT TO SECTION
424.120 AND 242.340 of
Kentucky Revised Statutes
Notice to Creditors,
Administration has been
granted by the District
Cout of Bell County upon
the following estate:

Michael Ernest Smith, Deceased 12/25/2024 1156 Hwy 3482 Calvin, KY 40813 Middlesboro, KY 40965

James L Smith & Camilla Brooke Middleton Heifner, Co-Administrator/ Administratrix Hon. Jennifer Nagle PO Box 248 Middlesboro, Ky 40965

All persons having claims against the above estate(s) are notified to present same to the fiduciary verified according to law, no later than Feb 6th, 2025. Colby Slusher, Clerk Bell Circuit and District Court:

PURSUANT TO SECTION 424.120 AND 242.340 of Kentucky Revised Statutes, Notice to Creditors, Administration has been granted by the District Cout of Bell County upon the following estate:

Donna How, Deceased 4/23/2025 Middlesbor, KY 40965

Kenneth How, Executor Hon Christopher F Douglas Pineville, Ky 40977

All persons having claims against the above estate(s) are notified to present same to the fiduciary verified according to law, no later than Feb 6th, 2025. Colby Slusher, Clerk Bell Circuit and District Court:

PURSUANT TO SECTION 424.120 AND 242.340 of Kentucky Revised Statutes Notice to Creditors, Administration has been granted by the District Cout of Bell County upon the following estate:

Marlin Griffin, Deceased 7/02/2025 873 Upland Church Rd Hulen, KY 40845

Laura Lee, Marlene Hoskins Co-Administrix 114 Corbin Circle Corbin, Ky 40701

All persons having claims against the above estate(s) are notified to present same to the Fiduciary verified according to law, no later than Feb 6th, 2025. Colby Slusher, Clerk Bell Circuit and District Courts

Classifieds & Legals

Find us online at www.thepinevillesun.com

(606) 337-2333

NOTICE OF PUBLIC HEARING

The Public Service Commission of Kentucky issued an order on March 13, 2025, scheduling a hearing to be held on August 4, 2025, at 9 a.m., Eastern polygist Time, in the Richard Rall Heading Room at the offices of the Public Service Commission located at 211 Sower Boulevard in Frankfort, Kentucky, Crass No. 2005,000.65. This is an examination of the Electronic Application of Kentucky Utilities Company and Louisville Gas and Electric Company for Certificates of Orbitic Conventience and Necessity and Sile Compatibility Certificates.

This hearing will be streamed live and may be viewed on the PSC website psc.ky.gov.

Public comments may be made at the beginning of the hearing. Those wishing to make oral public comments may do so by following the instructions listed on the PSC website, psc.ky.gov.

NOTICE

VB BTS III, LLC and New Cingular Wireless PCS, LLC are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 100 Old Chenoa Road, Pineville, KY 40977 (36° 39' 5/21" North latitude, 87' 51' 30.74" West Iongitude). 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 2025-00268 in any correspondence sent in connection with this matter.

COMMONWEALTH OF KENTUCKY
44TH JUDICIAL CIRCUIT
BELL CIRCUIT COURT
CIVIL ACTION NO. 16-CI-00377
(Electronically Filed)

MUNI VI, LLC D/B/A US BANK AS CUSTODIAN FOR SASS MUNI VI DTR, PLAINTIFF, $\,$

VS.
DIANA KAY BROWN; UNKNOWN SPOUSE OF DIANA KAY BROWN;
COMMONWEALTH OF KENTUCKY/DIVISION OF COLLECTIONS;
LENDMARK FINANCIAL SERVICES, INC; MID SOUTH CAPITAL
PARTNERS, LP; COMMONWEALTH OF KENTUCKY-BELL COUNTY,

DEFENDANTS.

NOTICE OF SALE

Notice is hereby given that the undersigned Master Commissioner will on August 7, 2025 at 10:00 a.m. at the Bell County Courthouse door facing the Post Office, in Pineville, Kentucky, offer for sale at public auction and outcry to the highest and best bidder, viz: 394 Valley Road, Pineville, Kentucky 40977; Kentucky Map ID 062-00-00-042.00

The property is being sold to pay the principal Judgment of \$709.28, plus interest, costs and fees. Terms: ten percent (10%) of the purchase price due at time of sale; balance within thirty (30) days. Bond: with approved surety and interest at 12% per annum from date of sale until paid. The sale shall otherwise be in accordance with the local rules of court as amended.

Dated this ______ th day of July, 2025.

JEFFERY W. HELTON Bell Circuit Court Master Commissioner COMMONWEALTH OF KENTUCKY 44TH JUDICIAL CIRCUIT BELL CIRCUIT COURT CIVIL ACTION NO. 18-CI-00215 (Electronically Filed)

HYDEN CITIZENS BANK, INC.,

PLAINTIFF

MTAG AS C/F MGD-KY, LLC, COUNTERCLAIMANT/CROSSCLAIMANT

UNTERCLAIMANT

VIITCHELL BROCK; LISA BROCK; PAMELA GAIL BROCK COLLETT
AS EXECUTRIX OF THE ESTATE OF VERNON COLLETT, JR.; UNKNOWN OCCUPANTS OF THE PREMISES; DOT CAPITAL INVESTMENTS; MID SOUTH CAPITAL PARENTRES, LP; LINCOLN MEMORIAL
UNIVERSITY; BELL COUNTY, KENTUCKY; CITY OF MIDDLESBORO,

DEFENDANTS.

NOTICE OF SALE

Notice is hereby given that the undersigned Master Commissioner will on August 7, 2025 at 10:15 a.m. at the Bell County Courthouse door facing the Post Office, in Pineville, Kentucky, offer for sale at public auction and outcry to the highest and best bidder, viz:

to the highest and best bidder, viz:

100 Ironwood Road, Middlesboro, Kentucky 40965; PVA #069-34-010029,00. The property is being sold to pay the principal Judgment of \$845.95, plus interest, costs and fees. Terms: ten percent (10%) of the purchase price due at time of sale; balance within thirty (30) days. Bond: with approved surety and interest at 12% per annum from date of sale until paid. All bids must be made in person or through a representative present at the sale and shall otherwise be in accordance with the local rules of court as amended.

Dated this _____ th day of July, 2025.

/s/ Jeffery W. Helton Helton Attorneys P.O. Box 1070 Pineville, Kentucky 40977 (606) 337-3087, fax (606) 337-3089 heltonattorneys@gmail.com Bell Circuit Court Master Commissioner on March 13, a.m., Eastern of the Public ort, Kentucky, ie Electronic and Electric sity and Site

²SC website,

ring. Those ollowing the

NOTICE

VB BTS III, LLC and New Cingular Wireless PCS, LLC are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 100 Old Chenoa Road, Pineville, KY 40977 (36° 39' 57.81" North latitude, 83° 51' 30.74" 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 2025-00268 in any correspondence sent in connection with this matter.

COMMONWEALTH OF KENTUCKY

44TH JUDICIAL CIRCUIT

EXHIBIT N COPY OF RADIO FREQUENCY DESIGN SEARCH AREA



Lat: 36.670809 Long: -83.855805 Radius: .75 miles

Davisburg Search Area