

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

In the matter of:

THE APPLICATION OF EAST KENTUCKY NETWORK,)	
LLC FOR THE ISSUANCE OF A CERTIFICATE OF)	
PUBLIC CONVENIENCE AND NECESSITY TO)	CASE NO. 2025-00124
CONSTRUCT A REPLACEMENT TOWER IN HARLAN)	
COUNTY, KENTUCKY)	

**RESPONSE OF EAST KENTUCKY NETWORK, LLC D/B/A APPALACHIAN WIRELESS
TO FILING DEFICIENCIES**

East Kentucky Network, LLC d/b/a Appalachian Wireless (“Applicant”), by and through counsel, hereby files this Response to Filing Deficiencies filed in the above-styled case.

- 1. Deficiency 1:** 807 KAR 5:063, Section 1(1)(j): *The tower and foundation design plans and a description of the standard according to which the tower was designed, signed and sealed by a professional engineer registered in Kentucky; No signature nor seal by a professional engineer registered in Kentucky.*

Response: In filing the Application for the Issuance of a Certificate of Public Convenience and Necessity to Construct a Replacement Tower in Harlan County, Kentucky in the above-styled case (“Application”), Applicant inadvertently included a draft tower design which was not signed and sealed by a professional engineer registered in Kentucky. The final signed and sealed tower design is attached hereto to be substituted for the previously filed Exhibit 5 to the Application.

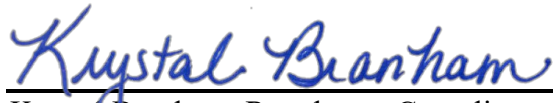
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WHEREFORE, Applicant, having met the requirements of KRS 278.020(1), 278.650, 278.665, and all applicable rules and regulations of the PSC, respectfully requests that the PSC accept the foregoing Application for filing and grant a Certificate of Public Convenience and Necessity to construct and operate the proposed tower.

The foregoing document was prepared by Krystal Branham, Regulatory Compliance Attorney for East Kentucky Network, LLC d/b/a Appalachian Wireless. All related questions or correspondence concerning this filing should be mailed to East Kentucky Network, LLC d/b/a/ Appalachian Wireless, 101 Technology Trail, Ivel, KY 41642.

Dated this 18th day of June, 2025.

Respectfully submitted,



Krystal Branham, Regulatory Compliance Attorney
East Kentucky Network, LLC
d/b/a Appalachian Wireless
101 Technology Trail
Ivel, KY 41642
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Facsimile: (606) 339-1363
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World Tower
COMPANY, INC.

1213 Compressor Drive
P.O. Box 508
Mayfield, KY 42066
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FAX: 270-247-0909
E-mail: worldtower@worldtower.com
Web: www.worldtower.com

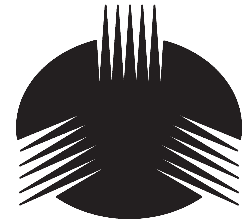
190' MODEL WSST TOWER
FOR: APPALACHIAN WIRELESS
SITE: LOUELLEN / CUMBERLAND
HARLAN COUNTY, KY



6-12-2025

GENERAL TOWER NOTES:

1. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS. D 1.1.
2. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED.
3. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
4. LEG STEEL IS 50 KSI MIN YIELD SOLID ROUND OR PIPE AND BRACING STEEL IS 36 KSI MIN YIELD SOLID ROUND OR A529-50 STRUCTURAL ANGLE.
5. ALL STRUCTURAL BOLTS ARE ASTM A325.
6. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TIA-222-H EVERY 5 YEARS.
7. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER AT 270-247-3642.



WORLD TOWER

1213 COMPRESSOR DRIVE
MAYFIELD, KY 42066
P: 270-246-3642 F: 270-247-0909
WWW.WORLDTOWER.COM

SEAL

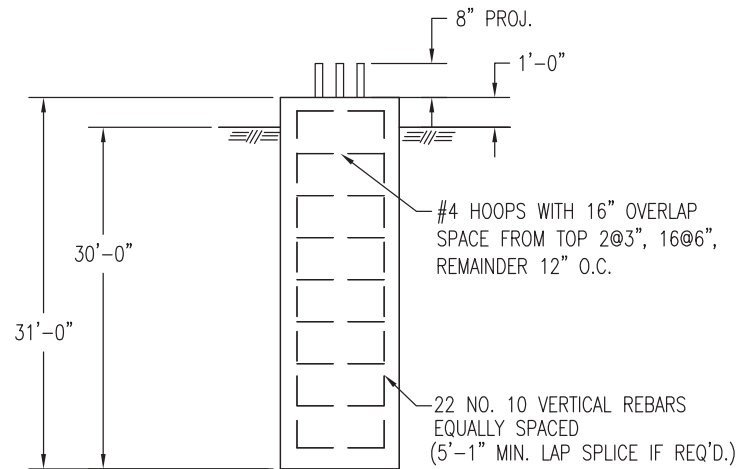
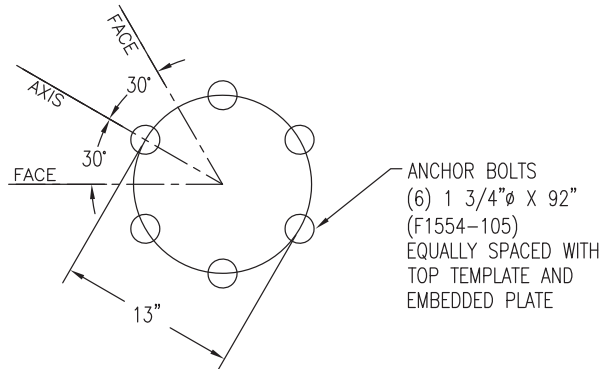
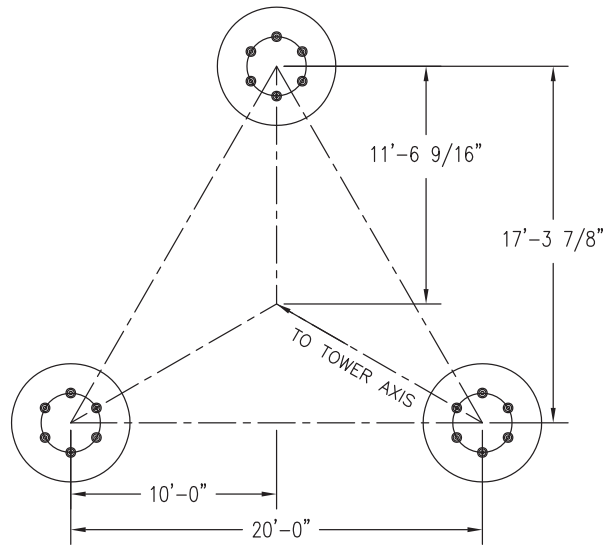
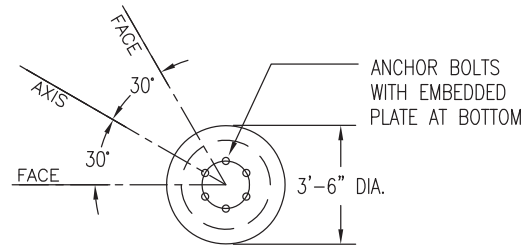
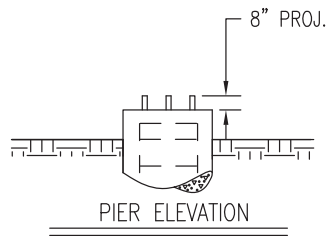


6-12-2025

REV.	DESCRIPTION	BY	DATE

190' MODEL WSST TOWER
FOR: APPALACHIAN WIRELESS
SITE: LOUELLEN
HARLAN COUNTY, KY

SCALE	NONE	DWN.	LKC	CKD.	DATE	6-12-25
FILE				DWG. NO.	Q250303N	

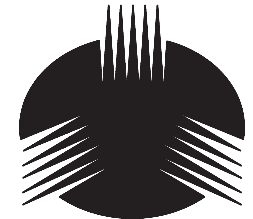


FOUNDATION NOTES

1. CONCRETE TO HAVE 4000 PSI MINIMUM COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MINIMUM CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED UPON CUSTOMER SUPPLIED SOILS DATA BY APS GEO. PROJECT NUMBER APS2500160016 DATED APRIL 2, 2025.

33.2 TOTAL CU. YDS.
CONCRETE REQ'D.

BASE REACTIONS	
OTM:	15140.0 FT. KIPS
COMP.	905.0 KIPS
UPLIFT	826.0 KIPS
SHEAR (3 LEGS)	122.0 KIPS
WT. NO ICE	93.0 KIPS
WT. 1" ICE	247.0 KIPS



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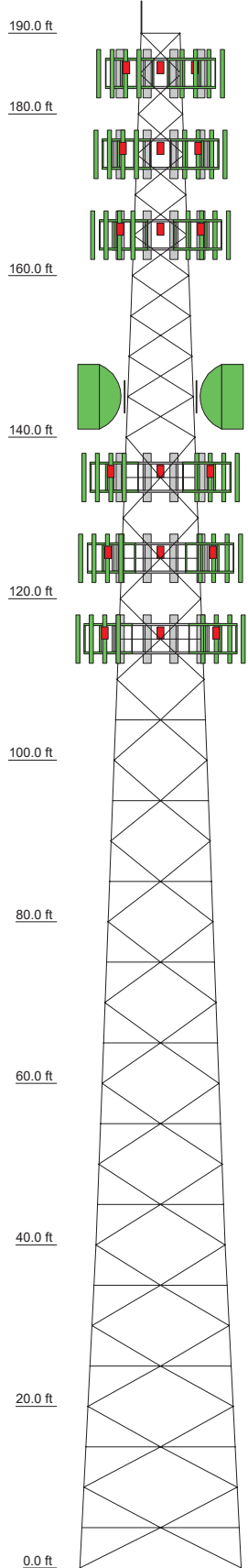
6-12-2025

REV.	DESCRIPTION	BY	DATE

190' MODEL WSST TOWER
FOR: APPALACHIAN WIRELESS
SITE: LOUELLEN
HARLAN COUNTY, KY

SCALE	NONE	DWN.	LKC	CKD.	DATE	6-12-25
FILE					DWG. NO.	Q250303F

Section	T10	T9	T8	T7	T6	T5	T4	T3	T2	T1
Legs	SR 5 1/2	SR 5 1/4		SR 4 3/4	SR 4 1/2	SR 4	SR 3 1/2	SR 3	SR 2 1/2	SR 1 3/4
Leg Grade					A572-50					
Diagonals	L4x4x5/16	L4x4x1/4			L3 1/2x3 1/2x3/8			L3x3x1/4		L2x2x3/16
Diagonal Grade					A529-50					
Top Girts					N.A.					L2x2x1/8
Horizontals	L3 1/2x3 1/2x1/4	L3x3x1/4			L3x3x3/16			N.A.		
Face Width (ft)	20	18	16	14.5	13	11.5	10	8.5	7	5.5
# Panels @ (ft)						38 @ 5				4.75
Weight (K)	48.0	8.2	7.0	7.3		5.5	4.6	3.8	2.7	2.1
										0.5

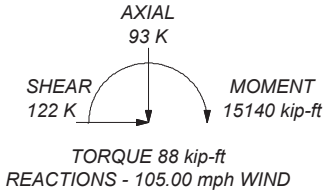
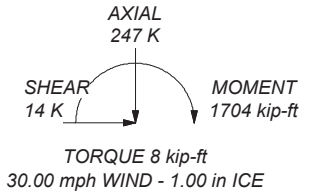


ALL REACTIONS
ARE FACTORED

MAX. CORNER REACTIONS AT BASE:

DOWN: 905 K
SHEAR: 77 K

UPLIFT: -826 K
SHEAR: 71 K



MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A529-50	50 ksi	65 ksi

TOWER DESIGN NOTES

1. Tower is located in Harlan County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 105.00 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 30.00 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Risk Category II.
7. Topographic Category 5 with Crest Height of 2016 ft
8. TOWER RATING: 99.7%



6-12-2025

World Tower Company
1213 Compressor Drive
Mayfield, KY 42066
Phone: (270) 247-3642
FAX: www.worldtower.com

Job: 190' WSST Tower / WTC Q25-303			
Project: Louellen			
Client: Appalachian Wireless		Drawn by: kirk	App'd:
Code: TIA-222-H		Date: 04/11/25	Scale: NTS
Path: C:\Tower\PE Runs\2025\Q25-303 Louellen\Q25-303.eri			Dwg No. E-1