



9221 Lyndon B. Johnson Freeway, #204, Dallas, TX 75243 ★ PHONE 972-231-8893 ★ FAX 1-866-364-8375
 www.allprocgi.com ★ e-mail: info@allprocgi.com

JUL 05, 2022

Mike Hunter
 Hunter Communication Group LLC
 P O Box 240 Neshanic Station
 New Jersey 08853

Ref: Verizon Site # German School Road
 Site Name: ESPN Radio Tower (WXGI Tower)
 Structural Reanalysis of existing 500' guyed tower **[With proposed Verizon Loading at 130 ']**
 701 German School Road, Richmond, VA 23235
 ACGI Job # 22-0511
 Codes Used: IBC 2018, rev H code, ASCE 7-16
 (Ref: Allpro Previous Job #22-0262, dated 01-20-2022)
 Wind Speed: 113 mph basic wind speed, 30 mph ice wind speed with 1.5 in. ice cover. Risk Category II, Exposure C.

Dear Mike:

As per your request and authorization we have analyzed the tower located at the above referenced location for the impact of the following loads changes:

Proposed VERIZON LOAD DESCRIPTION					
<u>ELEV (ft.)</u>	<u>Qty</u>	<u>Antenna Description</u>	<u>TX. LINE (in)</u>	<u>Mount Type</u>	<u>Tenant</u>
134.0±	3	Commscope NHH-65CR2B Antennas	(2) 1.55" Hybrid CABLE	(3) Andrew SF-SU14-2-126 Sector Mounts	VERIZON
	3	Commscope NHHSS-65C-R2B Antennas			
	3	Samsung MT-6407-77A Antennas			
127.0±	3	Samsung B13/B5 RFV01U-D2A			
	3	Samsung B2/B66 RFV01U-D1A			
	3	Samsung CBRS RRH-RT4401-48A			
	2	Raycap RHSDC-3315-PF-48			

OTHER EXISTING LOAD DESCRIPTION					
<u>ELEV (ft.)</u>	<u>Qty</u>	<u>Antenna Description</u>	<u>TX. LINE (in)</u>	<u>Mount Type</u>	<u>Tenant</u>
475±-495±	1	LPX-2EHW FM Antenna	(1) 2-1/4" Coax	-	Radio One
430±	1	Shively 6842-2-55 Antenna	(1) 7/8" Coax	-	Delmarva
330±	1	RSI P-9LA72G-U 6' Grid Dish	(1) 7/8" Coax	Pipe Mount	Radio One
293±	1	SWR-FEMC/2-HWS-TA FM Antenna	(1) 7/8" Coax	(1) Stand-off	Radio Richmond
242±	1	BEXT TFC2K FM Antenna	(1) 1/2" Coax	(1) Pipe Mount	Calvary Chapel



CONSULTING GROUP, INC.

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200'± - 5'±	3	AM Skirt Antenna	-	(2) Side Arms (@ top and @ bottom)	-
215.7±	1	Andrew VHL1-23 uW Dish	(1) ½" Helix Coax	Pipe Mount	T-Mobile
204.6±	3	Ericsson AIR 6449 B-41 antenna	(3) 6x12 Hybrid line	(6) perfect vision PV-TF-MB to two legs (6) Schedule 40 pipes vertical (3) 2" Schedule 40 pipe X 80" horizontal	
	3	RFS APXVAALL24_43_U_NA20 antenna			
	3	Radio 4449 B-71 + B-12			
3	Radio 4415 B-25				
169.29±	3	AIR 32 B66A/B2A	(1) 6x12 Hybrid Cable	(3) Face Mounts	
150±	3	JMA MX08FRO665-21 antennas	(1) 1.75" Hybrid line	Commscope V-Frame (MTC3975083)	Dish Wireless
	3	Fujitsu TAO8025-B605 RRHs			
	3	Fujitsu TAO8025-B604 RRHs			
	1	Raycap RDIDC-9181-PF-48 OVP			

SOURCE OF STRUCTURE DATA/LOADING:

- Existing tower data is as per previous structural report by Allpro Consulting Group, Inc. ACGI Job #22-0262, dated 01-20-2022, ACGI Job # 21-1601, dated 03/26/2021, ACGI Job #19-6300 dated 09/05/2019, ACGI Job #19-5389, dated 07/24/2019, ACGI Job # 18-6471, dated 10/10/2018, ACGI Job # 18-6472, dated 10/10/2018, ACGI Job # 07-0344 dated 4/12/07, ACGI Job # 09-1091 dated 05/13/09, ACGI Job # 10-1557 dated 06/14/2010, ACGI Job #10-2726 dated 08/26/2010, ACGI Job #12-3873 dated 06/22/12, ACGI Job #12-6298, dated 09/04/12, ACGI Job #16-2304 dated 7/12/16, ACGI Job #16-3670 dated 10/14/2016, ACGI Job #16-4558 dated 12/15/2016, ACGI Job #17-2138 dated 5/17/2017 and ACGI Job#17-4590 dated 08/08/2017.
- Existing loading as per previous structural analysis report by Allpro Consulting Group, Inc. ACGI Job # 22-0262, dated 01-20-2022.
- Loading data comments provided by Mike Hunter via email on 01/27/2022.



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RESULTS:

Based on our structural review the existing tower with the proposed antenna loading is found to be less than 100% making it in code compliance with IBC 2018/ VUSBC 2018 and ANSI/TIA-222-H codes for 113 mph basic wind speed, exposure “C”.

TOWER RESULT SUMMARY		
<i>COMPONENT</i>	<i>% Capacity</i>	<i>Pass/Fail</i>
Top Pole	56.3 %	Pass
Leg	76.1 %	Pass
Diagonal	77.1 %	Pass
Horizontal	46.4 %	Pass
Girt	67.3 %	Pass
Guys	82.8 %	Pass
Torque Arm	31.8 %	Pass
Bolts	50.7 %	Pass
FOUNDATION RESULT SUMMARY		
<p>No original tower foundation data was made available to ACGI at the time of this report. It is recommended to locate the original foundation data along with the original soil data to evaluate the actual capacity of the foundation. However, the foundation is estimated to be acceptable based on the tower member loads and stresses.</p>		

RESULT SUMMARY FOR TILT/TWIST FOR MW DISHES (Service Wind)		
Existing RSI P-9LA72G-U 6' Grid Dish @330'	Tilt (deg.)	Twist (deg.)
VHLP1-23	0.1181	0.4667
	0.0478	0.2068

Note: It is responsibility of the carrier to choose the adequate frequency of the existing dishes being installed on the tower to meet the tilt/twist requirements.

ASSUMPTIONS: This analysis was completed based on the following assumptions:

- Tower has been properly maintained
- Tower erection was in accordance to manufacturer drawings
- Leg flanges have been properly designed by manufacturer to not be a limiting reaction
- Welds have been properly designed and installed by manufacturer to not be a limiting reaction
- Foundation was constructed in accordance to manufacturer drawings
- Foundation does not have structural damage
- Bolts have been properly tightened according to manufacturer specifications
- Appurtenance, mount and transmission line sizes and weights are best estimates using the tnxTower database and manufacturer information



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DISCLAIMER: This analysis assumes that all structural members are in good condition and free of any defects and that the existing structure was designed in accordance to governing code requirements. An analysis of any new mounts is not the scope of work for this report. All antenna installation is to be performed by a contractor who is experienced in similar work. The scope of this analysis does not include the loads induced during installation. All installation loads and procedures are the responsibility of the contractor.

The contractor should verify all field dimensions and fits before fabrication.

Climbers should not latch or tie their support lanyard or gear on to antennas, radios, epoxied or glued mounts etc without proper evaluation. They should only tie to their support lanyards or gear to or attach to Tower structural members that have visible bolting and connection to the larger structure.

Notify Allpro Consulting Group, Inc. of any potential physical & other interference with existing antennas for a redesign.

Please contact us if additional clarifications are needed

Sincerely,

Suraj Perabathula, E.I.T.

Attachment:

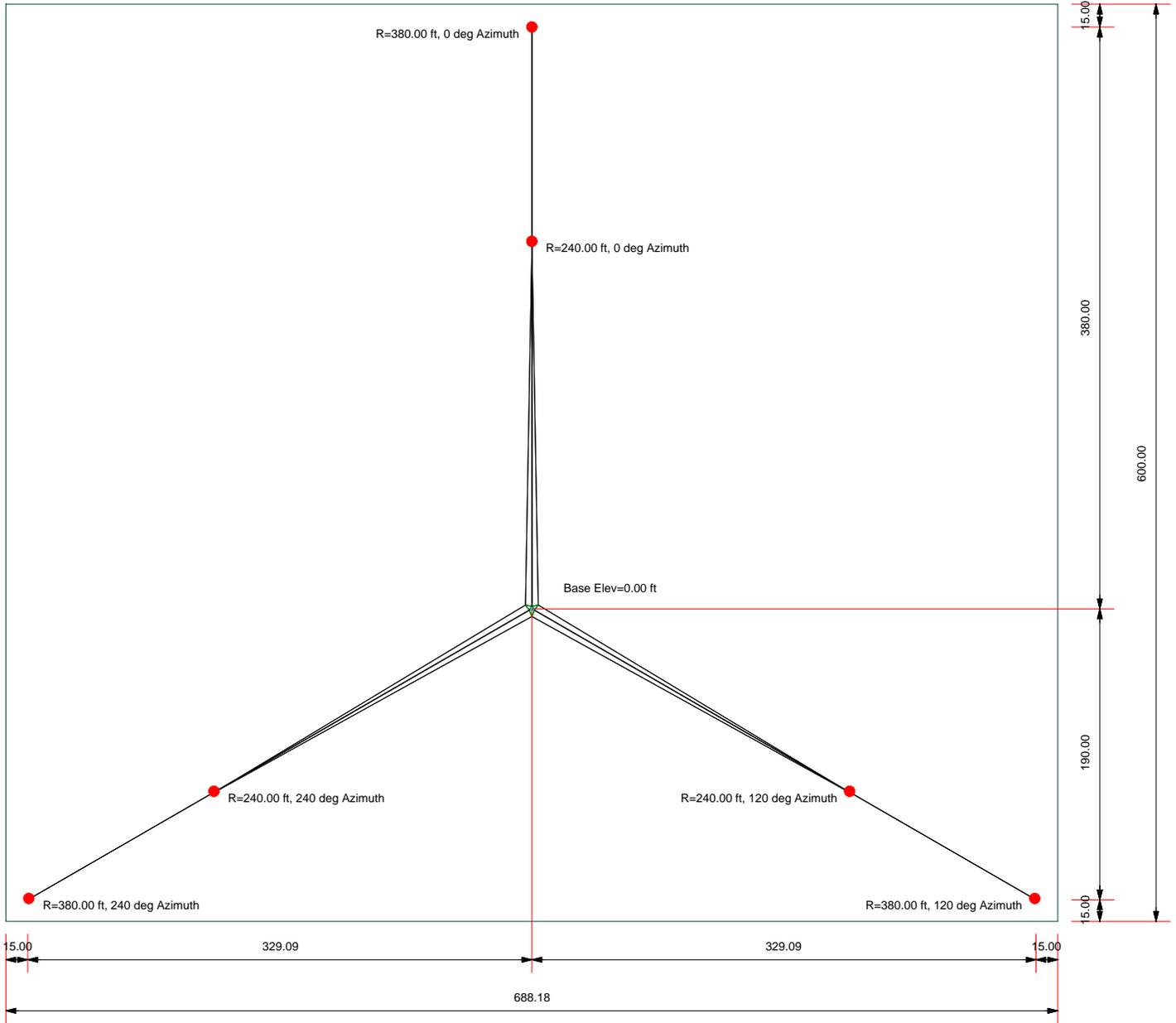
1) TNX Tower Printout



Approved by,
Chiyu Zhang, P.E.
VA PE # 060325

PASS: ✓(82.8 %)
FAIL

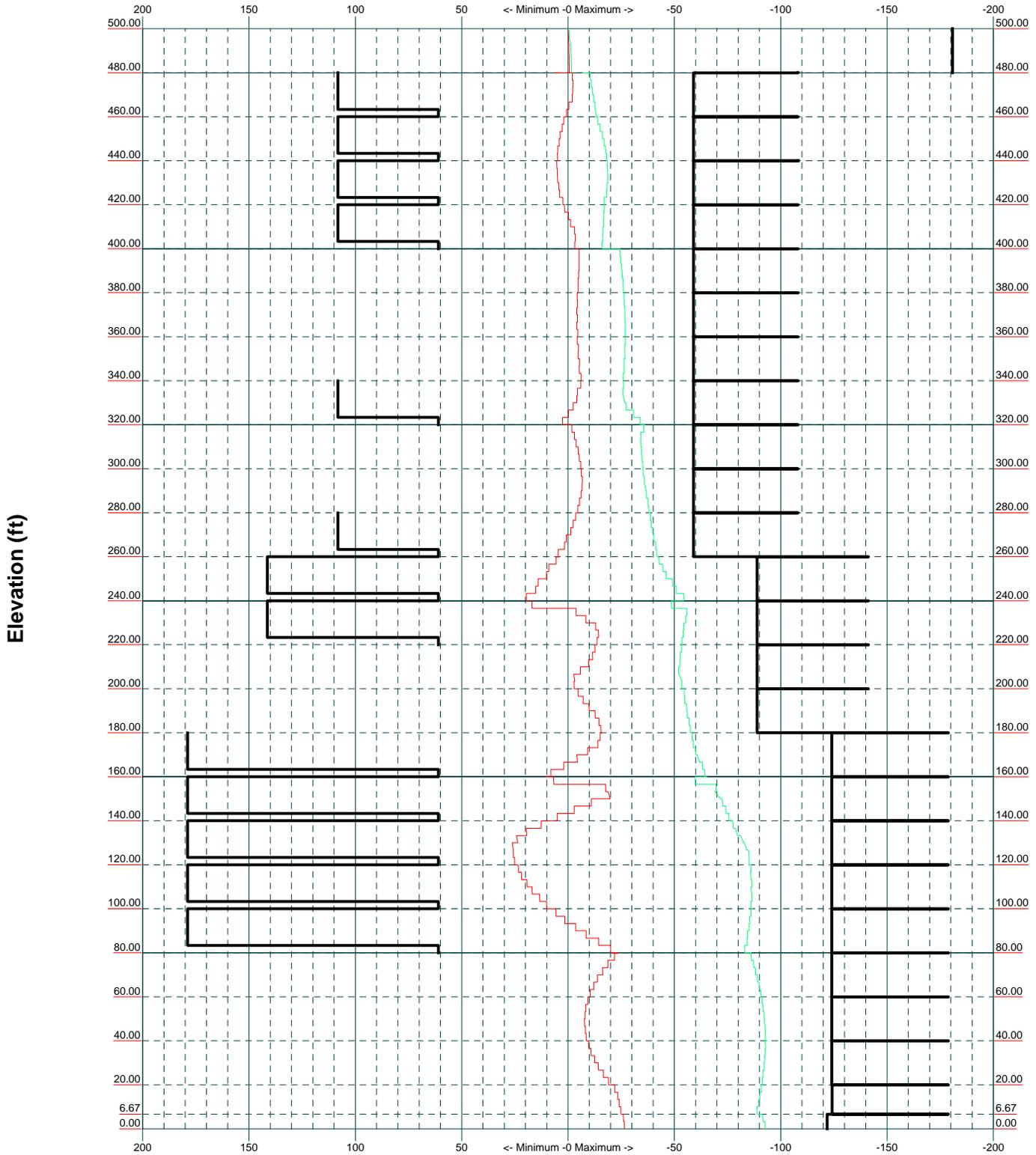
Plot Plan
Total Area - 9.48 Acres



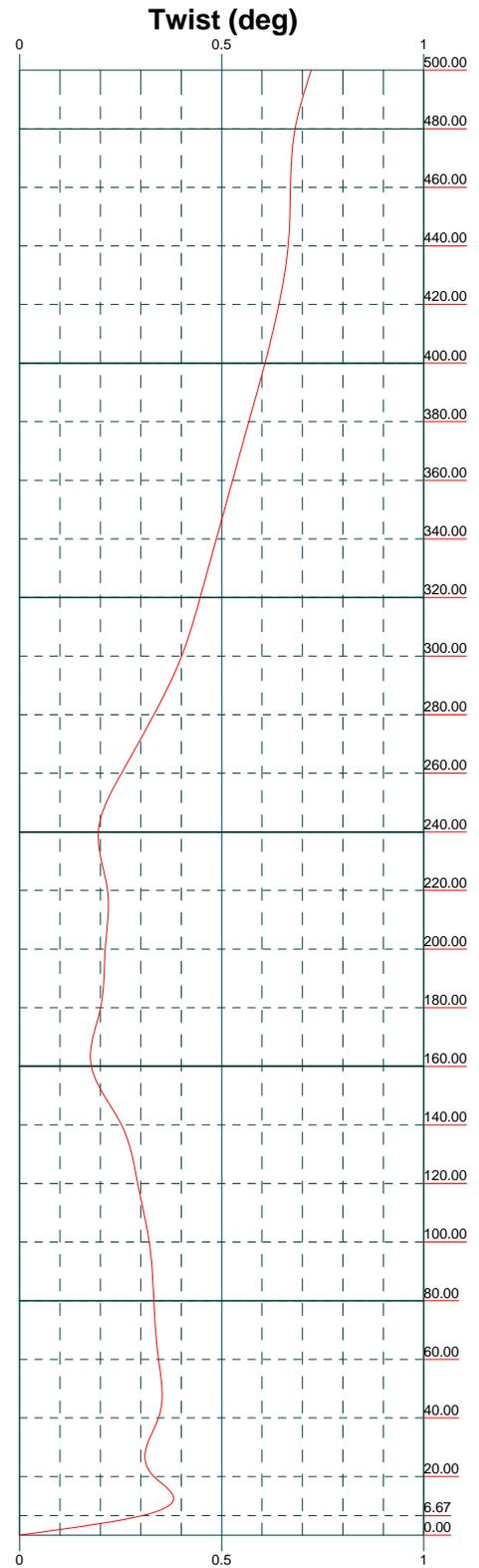
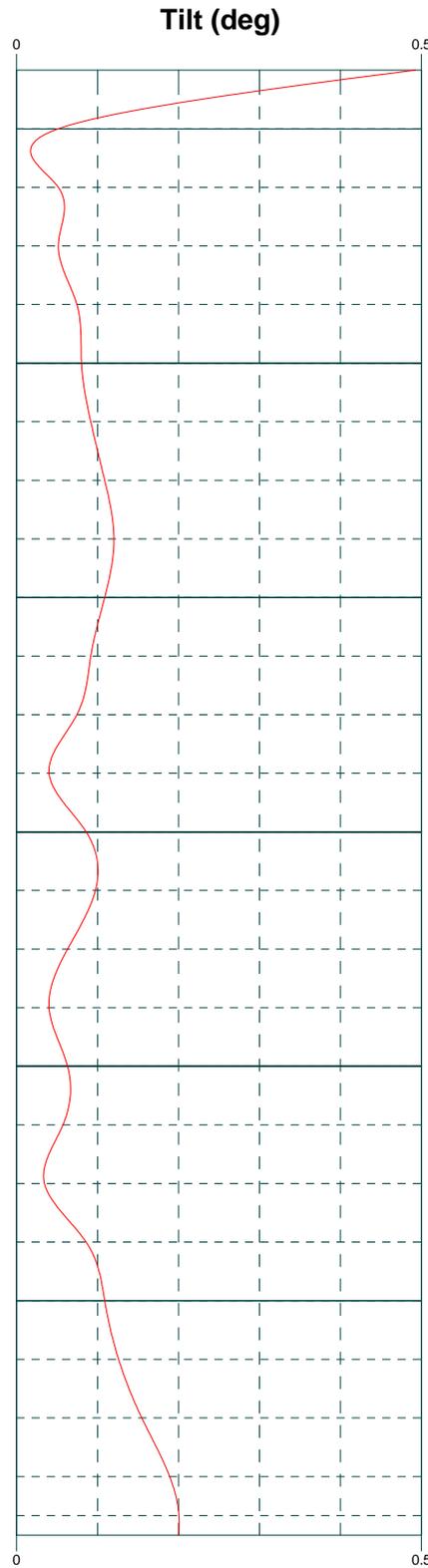
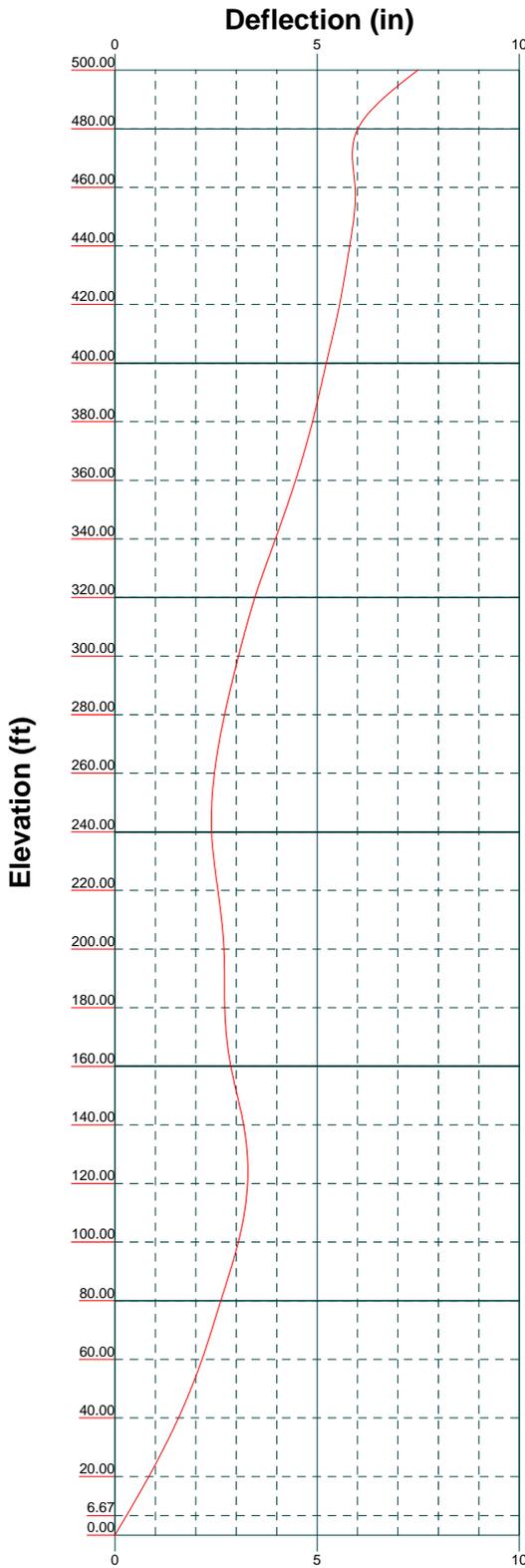
ALL PRO Consulting Group, INC.		Job: 22-0511	
9221 Lyndon B Johnson Freeway, Suite 204		Project: WXGI Tower	
Dallas, TX 75243		Client: Hunter Communications Group LLC	Drawn by: sPerabathula
Phone: 972-231-8893		Code: TIA-222-H	Date: 07/05/22
FAX: 866-364-8375		Path:	Scale: NTS
			Dwg No. E-2

TIA-222-H - 113 mph/30 mph 1.5000 in Ice Exposure C

Leg Capacity ———
Leg Compression (K)



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Phone: 972-231-8893		Code: TIA-222-H	Date: 07/05/22
FAX: 866-364-8375		Path:	Scale: NTS
			Dwg No. E-3



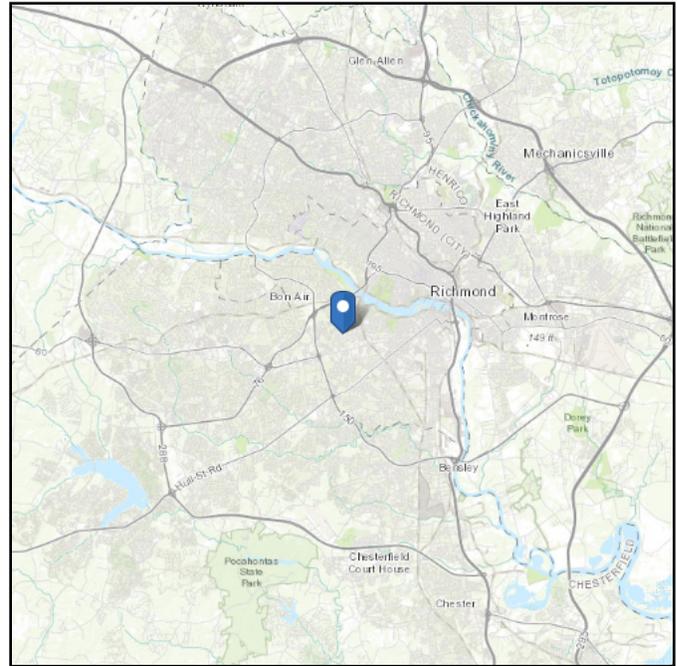
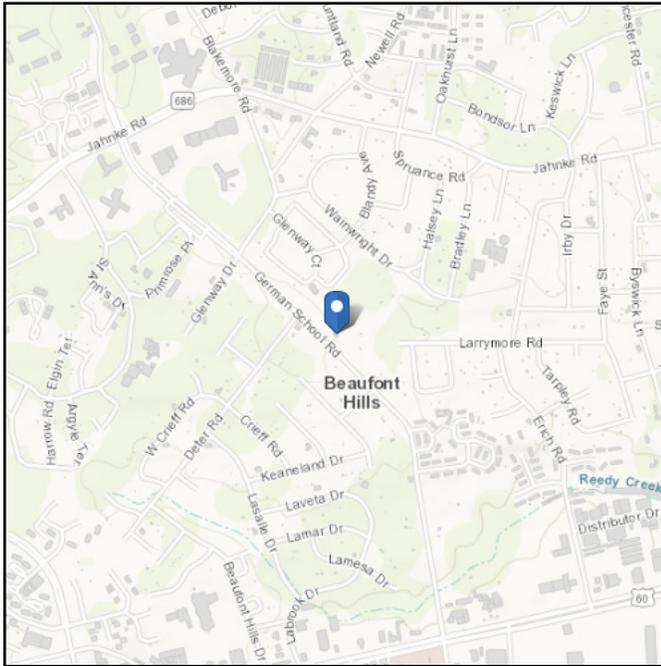
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Phone: 972-231-8893		Code: TIA-222-H	Date: 07/05/22
FAX: 866-364-8375		Path:	App'd: _____
			Scale: NTS
			Dwg No. E-5

ASCE 7 Hazards Report

Address:
701 German School Rd
Richmond, Virginia
23225

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 239.48 ft (NAVD 88)
Latitude: 37.513803
Longitude: -77.508391



Wind

Results:

Wind Speed	113 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	95 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Mon Jan 17 2022

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

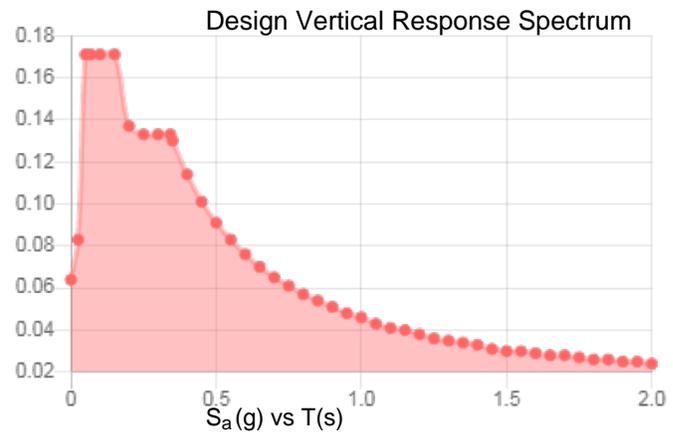
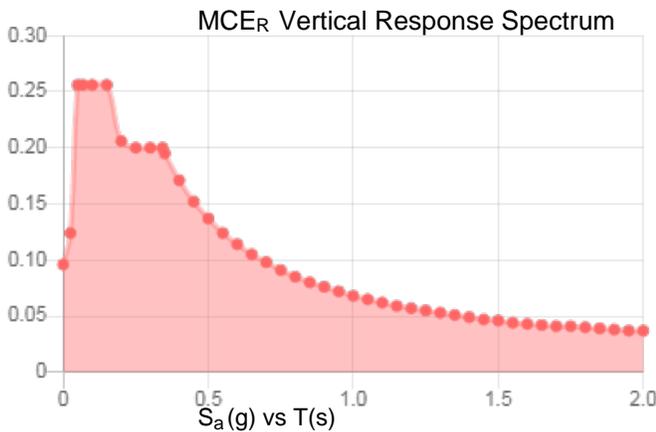
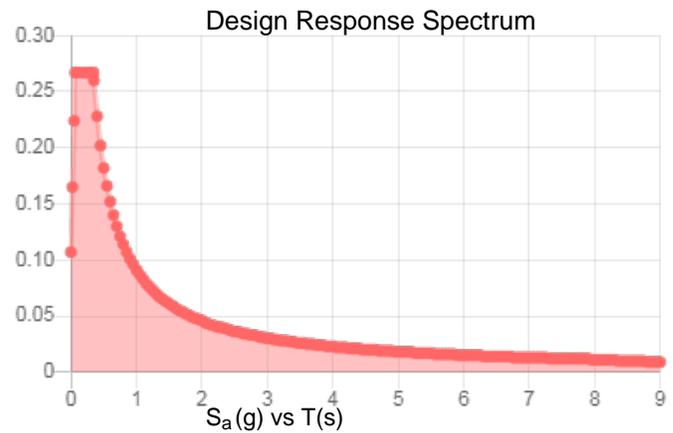
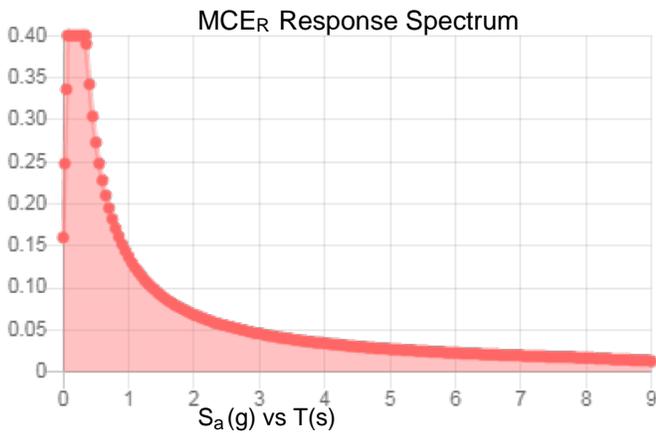
Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

Site Soil Class: D - Stiff Soil

Results:

S_s :	0.25	S_{D1} :	0.091
S_1 :	0.057	T_L :	8
F_a :	1.6	PGA :	0.152
F_v :	2.4	PGA _M :	0.227
S_{MS} :	0.4	F_{PGA} :	1.497
S_{M1} :	0.137	I_e :	1
S_{DS} :	0.267	C_v :	0.8

Seismic Design Category B



Data Accessed: Mon Jan 17 2022

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.

Ice

Results:

Ice Thickness: 1.50 in.
Concurrent Temperature: 15 F
Gust Speed 30 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Mon Jan 17 2022

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

<p style="text-align: center;"><i>tnxTower</i></p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	Job 22-0511	Page 1 of 78
	Project WXGI Tower	Date 11:19:25 07/05/22
	Client Hunter Communications Group LLC	Designed by sPerabathula

Tower Input Data

The main tower is a 3x guyed tower with an overall height of 500.00 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 3.00 ft at the top and tapered at the base.

An index plate is provided at the 3x guyed -tower connection.

There is a pole section.

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

The following design criteria apply:

Tower is located in Richmond City County, Virginia.

Tower base elevation above sea level: 239.48 ft.

Basic wind speed of 113 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 1.5000 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.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Stress ratio used in tower member design is 1.

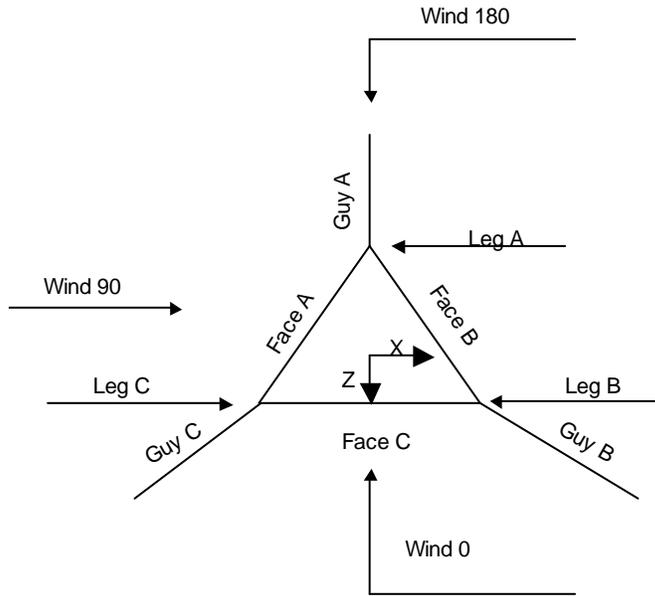
Safety factor used in guy design is 1.

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

Options

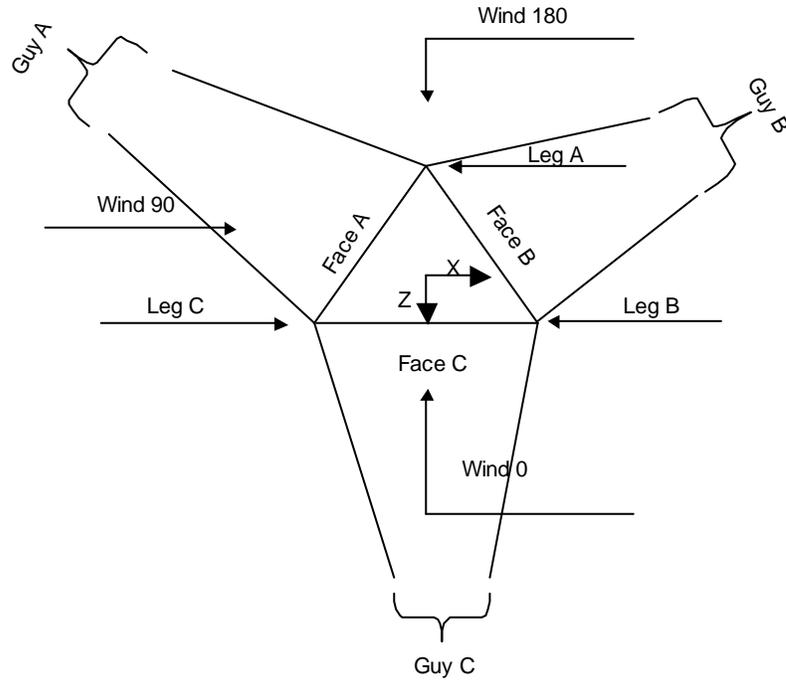
- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile √ Include Bolts In 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 <li style="background-color: #e0e0e0;">Poles √ 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 |
|--|---|--|

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	<p>Project</p> <p>WXGI Tower</p>	<p>Date</p> <p>11:19:25 07/05/22</p>
	<p>Client</p> <p>Hunter Communications Group LLC</p>	<p>Designed by</p> <p>sPerabathula</p>



Corner & Starmount Guyed Tower

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	<p>Project</p> <p>WXGI Tower</p>	<p>Date</p> <p>11:19:25 07/05/22</p>
	<p>Client</p> <p>Hunter Communications Group LLC</p>	<p>Designed by</p> <p>sPerabathula</p>



Face Guyed

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	500.00-480.00	20.00	P6x.28	A36 (36 ksi)	

Tower Elevation ft	Gusset Area (per face) ft ²	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
L1 500.00-480.00				1	1	1.05			

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	4 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	<i>ft</i>			<i>ft</i>		<i>ft</i>
T1-T11	480.00-260.00			3.00	11	20.00
T12-T15	260.00-180.00			3.00	4	20.00
T16-T17	180.00-140.00			3.00	2	20.00
T18-T23	140.00-20.00			3.00	6	20.00
T24	20.00-6.67			3.00	1	13.33
T25	6.67-0.00			3.00	1	6.67

Tower Section Geometry (cont'd)

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	<i>ft</i>	<i>ft</i>				<i>in</i>	<i>in</i>
T1-T11	480.00-260.00	3.33	K Brace Left	No	Yes+Steps	1.0000	0.0000
T12-T15	260.00-180.00	3.32	K Brace Left	No	Yes+Steps	1.0000	0.0000
T16-T17	180.00-140.00	3.32	K Brace Left	No	Yes+Steps	1.0000	0.0000
T18-T23	140.00-20.00	3.32	K Brace Left	No	Yes+Steps	1.0000	0.0000
T24	20.00-6.67	3.31	K Brace Left	No	Yes+Steps	1.0000	0.0000
T25	6.67-0.00	3.29	K Brace Left	No	Yes+Steps	1.0000	0.0000

Tower Section Geometry (cont'd)

Tower Elevation	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
<i>ft</i>						
T1-T11 480.00-260.00	Solid Round	1 3/4	A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T12-T15 260.00-180.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	1 1/4	A36 (36 ksi)
T16-T17 180.00-140.00	Solid Round	2 1/4	A572-50 (50 ksi)	Solid Round	1 1/4	A36 (36 ksi)
T18-T23 140.00-20.00	Solid Round	2 1/4	A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T24 20.00-6.67	Solid Round	2 1/4	A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T25 6.67-0.00	Solid Round	2 1/4	A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
<i>ft</i>						
T1-T11 480.00-260.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)

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	Client	Hunter Communications Group LLC	Designed by	sPerabathula

<i>Tower Elevation</i> <i>ft</i>	<i>Top Girt Type</i>	<i>Top Girt Size</i>	<i>Top Girt Grade</i>	<i>Bottom Girt Type</i>	<i>Bottom Girt Size</i>	<i>Bottom Girt Grade</i>
T12-T15 260.00-180.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T16-T17 180.00-140.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T18-T23 140.00-20.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T24 20.00-6.67	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T25 6.67-0.00	Solid Round	3/4	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation</i> <i>ft</i>	<i>No. of Mid Girts</i>	<i>Mid Girt Type</i>	<i>Mid Girt Size</i>	<i>Mid Girt Grade</i>	<i>Horizontal Type</i>	<i>Horizontal Size</i>	<i>Horizontal Grade</i>
T1-T11 480.00-260.00	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T12-T15 260.00-180.00	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T16-T17 180.00-140.00	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T18-T23 140.00-20.00	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T24 20.00-6.67	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T25 6.67-0.00	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation</i> <i>ft</i>	<i>Secondary Horizontal Type</i>	<i>Secondary Horizontal Size</i>	<i>Secondary Horizontal Grade</i>	<i>Inner Bracing Type</i>	<i>Inner Bracing Size</i>	<i>Inner Bracing Grade</i>
T1-T11 480.00-260.00	Solid Round	5/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T12-T15 260.00-180.00	Solid Round	5/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T16-T17 180.00-140.00	Solid Round	5/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T18-T23 140.00-20.00	Solid Round	5/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T24 20.00-6.67	Solid Round	5/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T25 6.67-0.00	Solid Round	5/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)

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Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U												
T12-T15 260.00-180.00	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
T16-T17 180.00-140.00	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
T18-T23 140.00-20.00	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
T24 20.00-6.67	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
T25 6.67-0.00	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

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U												
T1-T11 480.00-260.00	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
T12-T15 260.00-180.00	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
T16-T17 180.00-140.00	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
T18-T23 140.00-20.00	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
T24 20.00-6.67	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
T25 6.67-0.00	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

Tower Section Geometry (cont'd)

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.										
T1-T11 480.00-260.00	Flange	0.6250	3	1.0000	0	0.6250	0	0.6250	0	0.6250	0	0.7500	0	0.6250	0
T12-T15 260.00-180.00	Flange	0.6250	3	1.0000	0	0.6250	0	0.6250	0	0.6250	0	0.7500	0	0.6250	0
T16-T17 180.00-140.00	Flange	0.6250	3	1.0000	0	0.6250	0	0.6250	0	0.6250	0	0.7500	0	0.6250	0
T18-T23 140.00-20.00	Flange	0.6250	3	1.0000	0	0.6250	0	0.6250	0	0.6250	0	0.7500	0	0.6250	0
T24 20.00-6.67	Flange	0.6250	0	1.0000	0	0.6250	0	0.6250	0	0.6250	0	0.7500	0	0.6250	0
T25 6.67-0.00	Flange	0.6250	0	1.0000	0	0.6250	0	0.6250	0	0.6250	0	0.7500	0	0.6250	0

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Guy Data

Guy Elevation	Guy Grade	Guy Size	Initial Tension	%	Guy Modulus	Guy Weight	L_u	Anchor Radius	Anchor Azimuth Adj.	Anchor Elevation	End Fitting Efficiency
ft			K		ksi	plf	ft	ft	°	ft	%
479.917	EHS	A 1/2	2.69	10%	21000	0.517	610.65	380.00	0.0000	0.00	100%
		B 1/2	2.69	10%	21000	0.517	610.65	380.00	0.0000	0.00	100%
		C 1/2	2.69	10%	21000	0.517	610.65	380.00	0.0000	0.00	100%
400	EHS	A 7/16	2.08	10%	21000	0.399	550.16	380.00	0.0000	0.00	100%
		B 7/16	2.08	10%	21000	0.399	550.16	380.00	0.0000	0.00	100%
		C 7/16	2.08	10%	21000	0.399	550.16	380.00	0.0000	0.00	100%
320	EHS	A 1/2	2.69	10%	21000	0.517	495.13	380.00	0.0000	0.00	100%
		B 1/2	2.69	10%	21000	0.517	495.13	380.00	0.0000	0.00	100%
		C 1/2	2.69	10%	21000	0.517	495.13	380.00	0.0000	0.00	100%
240	EHS	A 1/2	2.69	10%	21000	0.517	337.49	240.00	0.0000	0.00	100%
		B 1/2	2.69	10%	21000	0.517	337.49	240.00	0.0000	0.00	100%
		C 1/2	2.69	10%	21000	0.517	337.49	240.00	0.0000	0.00	100%
160	EHS	A 1/2	2.69	10%	21000	0.517	286.27	240.00	0.0000	0.00	100%
		B 1/2	2.69	10%	21000	0.517	286.27	240.00	0.0000	0.00	100%
		C 1/2	2.69	10%	21000	0.517	286.27	240.00	0.0000	0.00	100%
80	EHS	A 7/16	2.08	10%	21000	0.399	251.14	240.00	0.0000	0.00	100%
		B 7/16	2.08	10%	21000	0.399	251.14	240.00	0.0000	0.00	100%
		C 7/16	2.08	10%	21000	0.399	251.14	240.00	0.0000	0.00	100%

Guy Data (cont'd)

Guy Elevation	Mount Type	Torque-Arm Spread	Torque-Arm Leg Angle	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
ft		ft	°				
479.917	Corner						
400	Corner						
320	Corner						
240	Torque Arm	8.25	40.0000	Bat Ear	A36 (36 ksi)	Equal Angle	L3x3x1/4
160	Torque Arm	8.25	40.0000	Bat Ear	A36 (36 ksi)	Equal Angle	L3x3x1/4
80	Corner						

Guy Data (cont'd)

Guy Elevation	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap.	Pull-Off Grade	Pull-Off Type	Pull-Off Size
ft								
479.92	A36 (36 ksi)	Solid Round				A36 (36 ksi)	Solid Round	
400.00	A36 (36 ksi)	Solid Round				A36 (36 ksi)	Solid Round	
320.00	A36 (36 ksi)	Solid Round				A36 (36 ksi)	Solid Round	
240.00	A36 (36 ksi)	Solid Round				A36 (36 ksi)	Solid Round	

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	Client Hunter Communications Group LLC	Designed by sPerabathula

Guy Elevation ft	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap.	Pull-Off Grade	Pull-Off Type	Pull-Off Size
160.00	A36 (36 ksi)	Solid Round				A36 (36 ksi)	Solid Round	
80.00	A36 (36 ksi)	Solid Round				A36 (36 ksi)	Solid Round	

Guy Data (cont'd)

Guy Elevation ft	Cable Weight		Cable Weight		Tower Intercept ft	Tower Intercept		Tower Intercept ft	Tower Intercept ft
	A K	B K	C K	D K		A ft	B ft		
479.917	0.32	0.32	0.32		34.30	34.30	34.30		
400	0.22	0.22	0.22		10.1 sec/pulse 28.00	10.1 sec/pulse 28.00	10.1 sec/pulse 28.00		
320	0.26	0.26	0.26		9.1 sec/pulse 22.89	9.1 sec/pulse 22.89	9.1 sec/pulse 22.89		
240	0.17	0.17	0.17		8.3 sec/pulse 10.71	8.3 sec/pulse 10.71	8.3 sec/pulse 10.71		
160	0.15	0.15	0.15		5.7 sec/pulse 7.76	5.7 sec/pulse 7.76	5.7 sec/pulse 7.76		
80	0.10	0.10	0.10		4.8 sec/pulse 6.01	4.8 sec/pulse 6.01	4.8 sec/pulse 6.01		
					4.2 sec/pulse	4.2 sec/pulse	4.2 sec/pulse		

Guy Data (cont'd)

Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Torque Arm		Pull Off		Diagonal	
			K _x	K _y	K _x	K _y	K _x	K _y
479.917	No	No			1	1	1	1
400	No	No			1	1	1	1
320	No	No			1	1	1	1
240	No	No	0.67	0.67	1	1	1	1
160	No	No	0.67	0.67	1	1	1	1
80	No	No			1	1	1	1

Guy Data (cont'd)

Guy Elevation ft	Torque-Arm				Pull Off				Diagonal			
	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U
479.917	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
400	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
320	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75

<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	<p style="text-align: center;">Job</p> <p style="text-align: center;">22-0511</p>	<p style="text-align: center;">Page</p> <p style="text-align: center;">11 of 78</p>
	<p style="text-align: center;">Project</p> <p style="text-align: center;">WXGI Tower</p>	<p style="text-align: center;">Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p style="text-align: center;">Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">sPerabathula</p>

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
1/2" (Calvary Chapel of Twin Falls, Inc.) **** ****	A	No	No	Ar (CaAa)	242.00 - 10.00	0.0000	0	1	1	0.5000	0.5800		0.25
1/2" Helix Coax (T-Mobile)	A	No	No	Ar (CaAa)	215.70 - 7.00	-1.0000	0.4	1	1	0.5000	0.5000		0.00
1-1/4" Hybrid (T-Mobile)	A	No	No	Ar (CaAa)	204.60 - 10.00	0.0000	0	3	3	0.5000	1.5500		1.10
2" Fiber Duct (Sprint)	C	No	No	Ar (CaAa)	192.50 - 7.00	-0.7500	0.2	1	1	0.5000	2.3800		0.00
5/16 Coax (Sprint)	A	No	No	Ar (CaAa)	192.50 - 7.00	-0.7500	0.2	6	3	0.5800 0.5000	0.3125		0.00
1-1/4" Hybrid (T-Mobile)	A	No	No	Ar (CaAa)	169.29 - 10.00	0.0000	0	1	1	0.5000	1.5500		1.10
1.75" (Dish Wireless) **** ***	A	No	No	Ar (CaAa)	150.00 - 0.00	0.0000	0	1	1	0.5000	1.9000		2.50
AM Skirt Antenna (AM Stations)	A	No	No	Ar (CaAa)	200.00 - 5.00	-35.000 0	0	1	1	0.5000	0.5800		0.25
AM Skirt Antenna (AM Stations)	B	No	No	Ar (CaAa)	200.00 - 5.00	-35.000 0	0	1	1	0.5000	0.5800		0.25
AM Skirt Antenna (AM Stations) ***	C	No	No	Ar (CaAa)	200.00 - 5.00	-35.000 0	0	1	1	0.5000	0.5800		0.25
1.55" Hybrid (Verizon)	A	No	No	Ar (CaAa)	130.00 - 0.00	0.0000	0	2	2	0.5000	1.6500		2.00

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	500.00-480.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T1	480.00-460.00	A	0.000	0.000	4.760	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T2	460.00-440.00	A	0.000	0.000	4.760	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T3	440.00-420.00	A	0.000	0.000	5.870	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T4	420.00-400.00	A	0.000	0.000	8.756	0.000	0.04
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00

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	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
T5	400.00-380.00	A	0.000	0.000	9.200	0.000	0.04
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T6	380.00-360.00	A	0.000	0.000	9.200	0.000	0.04
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T7	360.00-340.00	A	0.000	0.000	9.200	0.000	0.04
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T8	340.00-320.00	A	0.000	0.000	10.310	0.000	0.05
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T9	320.00-300.00	A	0.000	0.000	11.420	0.000	0.06
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T10	300.00-280.00	A	0.000	0.000	12.863	0.000	0.06
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T11	280.00-260.00	A	0.000	0.000	13.640	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T12	260.00-240.00	A	0.000	0.000	13.756	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T13	240.00-220.00	A	0.000	0.000	14.800	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T14	220.00-200.00	A	0.000	0.000	17.724	0.000	0.09
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T15	200.00-180.00	A	0.000	0.000	28.604	0.000	0.14
		B	0.000	0.000	1.160	0.000	0.01
		C	0.000	0.000	4.135	0.000	0.01
T16	180.00-160.00	A	0.000	0.000	31.450	0.000	0.15
		B	0.000	0.000	1.160	0.000	0.01
		C	0.000	0.000	5.920	0.000	0.01
T17	160.00-140.00	A	0.000	0.000	35.010	0.000	0.19
		B	0.000	0.000	1.160	0.000	0.01
		C	0.000	0.000	5.920	0.000	0.01
T18	140.00-120.00	A	0.000	0.000	40.210	0.000	0.25
		B	0.000	0.000	1.160	0.000	0.01
		C	0.000	0.000	5.920	0.000	0.01
T19	120.00-100.00	A	0.000	0.000	43.510	0.000	0.29
		B	0.000	0.000	1.160	0.000	0.01
		C	0.000	0.000	5.920	0.000	0.01
T20	100.00-80.00	A	0.000	0.000	43.510	0.000	0.29
		B	0.000	0.000	1.160	0.000	0.01
		C	0.000	0.000	5.920	0.000	0.01
T21	80.00-60.00	A	0.000	0.000	43.510	0.000	0.29
		B	0.000	0.000	1.160	0.000	0.01
		C	0.000	0.000	5.920	0.000	0.01
T22	60.00-40.00	A	0.000	0.000	43.510	0.000	0.29
		B	0.000	0.000	1.160	0.000	0.01
		C	0.000	0.000	5.920	0.000	0.01
T23	40.00-20.00	A	0.000	0.000	43.510	0.000	0.29
		B	0.000	0.000	1.160	0.000	0.01
		C	0.000	0.000	5.920	0.000	0.01
T24	20.00-6.67	A	0.000	0.000	24.394	0.000	0.17
		B	0.000	0.000	0.773	0.000	0.00
		C	0.000	0.000	3.867	0.000	0.00
T25	6.67-0.00	A	0.000	0.000	3.563	0.000	0.04

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	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
		B	0.000	0.000	0.097	0.000	0.00
		C	0.000	0.000	0.097	0.000	0.00

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	500.00-480.00	A	1.965	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T1	480.00-460.00	A	1.956	0.000	0.000	12.585	0.000	0.23
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T2	460.00-440.00	A	1.948	0.000	0.000	12.552	0.000	0.23
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T3	440.00-420.00	A	1.939	0.000	0.000	17.504	0.000	0.31
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T4	420.00-400.00	A	1.930	0.000	0.000	30.370	0.000	0.50
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T5	400.00-380.00	A	1.920	0.000	0.000	32.242	0.000	0.53
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T6	380.00-360.00	A	1.910	0.000	0.000	32.121	0.000	0.53
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T7	360.00-340.00	A	1.900	0.000	0.000	31.994	0.000	0.52
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T8	340.00-320.00	A	1.888	0.000	0.000	36.747	0.000	0.59
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T9	320.00-300.00	A	1.877	0.000	0.000	41.446	0.000	0.66
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T10	300.00-280.00	A	1.864	0.000	0.000	47.536	0.000	0.75
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T11	280.00-260.00	A	1.851	0.000	0.000	50.657	0.000	0.79
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T12	260.00-240.00	A	1.837	0.000	0.000	51.224	0.000	0.80
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T13	240.00-220.00	A	1.821	0.000	0.000	58.514	0.000	0.89
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T14	220.00-200.00	A	1.805	0.000	0.000	70.666	0.000	1.04
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T15	200.00-180.00	A	1.787	0.000	0.000	112.030	0.000	1.53
		B		0.000	0.000	8.308	0.000	0.11
		C		0.000	0.000	15.750	0.000	0.22
T16	180.00-160.00	A	1.767	0.000	0.000	122.752	0.000	1.65
		B		0.000	0.000	8.229	0.000	0.11

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	<p>Project</p> <p style="text-align: center;">WXGI Tower</p>	<p>Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p>Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p>Designed by</p> <p style="text-align: center;">sPerabathula</p>

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
T17	160.00-140.00	C		0.000	0.000	20.058	0.000	0.29
		A	1.745	0.000	0.000	132.492	0.000	1.81
		B		0.000	0.000	8.141	0.000	0.10
		C		0.000	0.000	19.882	0.000	0.28
T18	140.00-120.00	A	1.720	0.000	0.000	147.612	0.000	2.02
		B		0.000	0.000	8.042	0.000	0.10
		C		0.000	0.000	19.683	0.000	0.27
T19	120.00-100.00	A	1.692	0.000	0.000	156.944	0.000	2.12
		B		0.000	0.000	7.928	0.000	0.10
		C		0.000	0.000	19.455	0.000	0.27
T20	100.00-80.00	A	1.658	0.000	0.000	154.901	0.000	2.07
		B		0.000	0.000	7.793	0.000	0.10
		C		0.000	0.000	19.186	0.000	0.26
T21	80.00-60.00	A	1.617	0.000	0.000	152.399	0.000	2.00
		B		0.000	0.000	7.629	0.000	0.09
		C		0.000	0.000	18.857	0.000	0.25
T22	60.00-40.00	A	1.564	0.000	0.000	149.148	0.000	1.92
		B		0.000	0.000	7.415	0.000	0.09
		C		0.000	0.000	18.429	0.000	0.24
T23	40.00-20.00	A	1.486	0.000	0.000	144.418	0.000	1.81
		B		0.000	0.000	7.103	0.000	0.08
		C		0.000	0.000	17.806	0.000	0.22
T24	20.00-6.67	A	1.370	0.000	0.000	77.925	0.000	0.93
		B		0.000	0.000	4.427	0.000	0.05
		C		0.000	0.000	11.083	0.000	0.13
T25	6.67-0.00	A	1.193	0.000	0.000	9.506	0.000	0.12
		B		0.000	0.000	0.494	0.000	0.00
		C		0.000	0.000	0.494	0.000	0.00

Feed Line Center of Pressure

Section	Elevation ft	CP _x in	CP _z in	CP _x Ice in	CP _z Ice in
L1	500.00-480.00	0.0000	0.0000	0.0000	0.0000
T1	480.00-460.00	-1.5929	-0.9196	-0.9883	-0.5706
T2	460.00-440.00	-1.5929	-0.9196	-0.9924	-0.5730
T3	440.00-420.00	-1.8745	-1.0823	-1.3198	-0.7620
T4	420.00-400.00	-2.5207	-1.4553	-2.0625	-1.1908
T5	400.00-380.00	-2.6105	-1.5072	-2.1722	-1.2541
T6	380.00-360.00	-2.6105	-1.5072	-2.1804	-1.2588
T7	360.00-340.00	-2.6105	-1.5072	-2.1890	-1.2638
T8	340.00-320.00	-2.8252	-1.6311	-2.4428	-1.4104
T9	320.00-300.00	-3.0268	-1.7475	-2.6823	-1.5486
T10	300.00-280.00	-3.2714	-1.8888	-2.9708	-1.7152
T11	280.00-260.00	-3.3956	-1.9604	-3.1237	-1.8035
T12	260.00-240.00	-3.1801	-1.8360	-3.0306	-1.7497
T13	240.00-220.00	-3.3279	-1.9214	-3.3253	-1.9198
T14	220.00-200.00	-3.4906	-2.3517	-3.3726	-2.5757
T15	200.00-180.00	-4.0354	-2.4593	-3.5021	-2.5826
T16	180.00-160.00	-4.1606	-2.3588	-3.6788	-2.5886
T17	160.00-140.00	-4.4505	-2.5209	-3.9568	-2.7265
T18	140.00-120.00	-4.8576	-2.7696	-4.3066	-2.9227
T19	120.00-100.00	-5.0348	-2.8878	-4.4743	-3.0190
T20	100.00-80.00	-5.0348	-2.8878	-4.5007	-3.0346
T21	80.00-60.00	-5.0348	-2.8878	-4.5325	-3.0532
T22	60.00-40.00	-5.0348	-2.8878	-4.5730	-3.0766

<i>tnxTower</i> ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job 22-0511	Page 15 of 78
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	Client Hunter Communications Group LLC	Designed by sPerabathula

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
T23	40.00-20.00	-5.0348	-2.8878	-4.6300	-3.1090
T24	20.00-6.67	-4.6115	-2.6315	-4.2387	-2.9017
T25	6.67-0.00	-2.7985	-1.7508	-1.9703	-1.2556

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T1	1	2 1/4"	460.00 - 480.00	0.6000	0.4658
T2	1	2 1/4"	440.00 - 460.00	0.6000	0.4673
T3	1	2 1/4"	420.00 - 440.00	0.6000	0.4689
T3	3	7/8"	420.00 - 430.00	0.6000	0.4689
T4	1	2 1/4"	400.00 - 420.00	0.6000	0.4706
T4	3	7/8"	400.00 - 420.00	0.6000	0.4706
T4	5	7/8"	400.00 - 416.00	0.6000	0.4706
T5	1	2 1/4"	380.00 - 400.00	0.6000	0.4723
T5	3	7/8"	380.00 - 400.00	0.6000	0.4723
T5	5	7/8"	380.00 - 400.00	0.6000	0.4723
T6	1	2 1/4"	360.00 - 380.00	0.6000	0.4741
T6	3	7/8"	360.00 - 380.00	0.6000	0.4741
T6	5	7/8"	360.00 - 380.00	0.6000	0.4741
T7	1	2 1/4"	340.00 - 360.00	0.6000	0.4760
T7	3	7/8"	340.00 - 360.00	0.6000	0.4760
T7	5	7/8"	340.00 - 360.00	0.6000	0.4760
T8	1	2 1/4"	320.00 - 340.00	0.6000	0.4780
T8	3	7/8"	320.00 - 340.00	0.6000	0.4780
T8	5	7/8"	320.00 - 340.00	0.6000	0.4780
T8	7	7/8"	320.00 - 330.00	0.6000	0.4780
T9	1	2 1/4"	300.00 - 320.00	0.6000	0.4802
T9	3	7/8"	300.00 - 320.00	0.6000	0.4802

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	<p>Project</p> <p style="text-align: center;">WXGI Tower</p>	<p>Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T9	5	7/8"	300.00 - 320.00	0.6000	0.4802
T9	7	7/8"	300.00 - 320.00	0.6000	0.4802
T10	1	2 1/4"	280.00 - 300.00	0.6000	0.4824
T10	3	7/8"	280.00 - 300.00	0.6000	0.4824
T10	5	7/8"	280.00 - 300.00	0.6000	0.4824
T10	7	7/8"	280.00 - 300.00	0.6000	0.4824
T10	9	7/8"	280.00 - 293.00	0.6000	0.4824
T11	1	2 1/4"	260.00 - 280.00	0.6000	0.4848
T11	3	7/8"	260.00 - 280.00	0.6000	0.4848
T11	5	7/8"	260.00 - 280.00	0.6000	0.4848
T11	7	7/8"	260.00 - 280.00	0.6000	0.4848
T11	9	7/8"	260.00 - 280.00	0.6000	0.4848
T12	1	2 1/4"	240.00 - 260.00	0.6000	0.4727
T12	3	7/8"	240.00 - 260.00	0.6000	0.4727
T12	5	7/8"	240.00 - 260.00	0.6000	0.4727
T12	7	7/8"	240.00 - 260.00	0.6000	0.4727
T12	9	7/8"	240.00 - 260.00	0.6000	0.4727
T12	11	1/2"	240.00 - 242.00	0.6000	0.4727
T13	1	2 1/4"	220.00 - 240.00	0.6000	0.4754
T13	3	7/8"	220.00 - 240.00	0.6000	0.4754
T13	5	7/8"	220.00 - 240.00	0.6000	0.4754
T13	7	7/8"	220.00 - 240.00	0.6000	0.4754
T13	9	7/8"	220.00 - 240.00	0.6000	0.4754
T13	11	1/2"	220.00 - 240.00	0.6000	0.4754
T14	1	2 1/4"	200.00 - 220.00	0.6000	0.4784
T14	3	7/8"	200.00 - 220.00	0.6000	0.4784
T14	5	7/8"	200.00 - 220.00	0.6000	0.4784
T14	7	7/8"	200.00 - 220.00	0.6000	0.4784
T14	9	7/8"	200.00 - 220.00	0.6000	0.4784
T14	11	1/2"	200.00 - 220.00	0.6000	0.4784
T14	16	1/2" Helix Coax	200.00 - 215.70	0.6000	0.4784

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T14	17	1-1/4" Hybrid	200.00 - 204.60	0.6000	0.4784
T15	1	2 1/4"	180.00 - 200.00	0.6000	0.4816
T15	3	7/8"	180.00 - 200.00	0.6000	0.4816
T15	5	7/8"	180.00 - 200.00	0.6000	0.4816
T15	7	7/8"	180.00 - 200.00	0.6000	0.4816
T15	9	7/8"	180.00 - 200.00	0.6000	0.4816
T15	11	1/2"	180.00 - 200.00	0.6000	0.4816
T15	16	1/2" Heliac Coax	180.00 - 200.00	0.6000	0.4816
T15	17	1-1/4" Hybrid	180.00 - 200.00	0.6000	0.4816
T15	18	2" Fiber Duct	180.00 - 192.50	0.6000	0.4816
T15	19	5/16 Coax	180.00 - 192.50	0.6000	0.4816
T15	27	AM Skirt Antenna	180.00 - 200.00	0.6000	0.4816
T15	28	AM Skirt Antenna	180.00 - 200.00	0.6000	0.4816
T15	29	AM Skirt Antenna	180.00 - 200.00	0.6000	0.4816
T16	1	2 1/4"	160.00 - 180.00	0.6000	0.4781
T16	3	7/8"	160.00 - 180.00	0.6000	0.4781
T16	5	7/8"	160.00 - 180.00	0.6000	0.4781
T16	7	7/8"	160.00 - 180.00	0.6000	0.4781
T16	9	7/8"	160.00 - 180.00	0.6000	0.4781
T16	11	1/2"	160.00 - 180.00	0.6000	0.4781
T16	16	1/2" Heliac Coax	160.00 - 180.00	0.6000	0.4781
T16	17	1-1/4" Hybrid	160.00 - 180.00	0.6000	0.4781
T16	18	2" Fiber Duct	160.00 - 180.00	0.6000	0.4781
T16	19	5/16 Coax	160.00 - 180.00	0.6000	0.4781
T16	20	1-1/4" Hybrid	160.00 - 169.29	0.6000	0.4781
T16	27	AM Skirt Antenna	160.00 - 180.00	0.6000	0.4781
T16	28	AM Skirt Antenna	160.00 - 180.00	0.6000	0.4781
T16	29	AM Skirt Antenna	160.00 - 180.00	0.6000	0.4781
T17	1	2 1/4"	140.00 - 160.00	0.6000	0.4820
T17	3	7/8"	140.00 - 160.00	0.6000	0.4820
T17	5	7/8"	140.00 - 160.00	0.6000	0.4820

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T17	7	7/8"	140.00 - 160.00	0.6000	0.4820
T17	9	7/8"	140.00 - 160.00	0.6000	0.4820
T17	11	1/2"	140.00 - 160.00	0.6000	0.4820
T17	16	1/2" Heliac Coax	140.00 - 160.00	0.6000	0.4820
T17	17	1-1/4" Hybrid	140.00 - 160.00	0.6000	0.4820
T17	18	2" Fiber Duct	140.00 - 160.00	0.6000	0.4820
T17	19	5/16 Coax	140.00 - 160.00	0.6000	0.4820
T17	20	1-1/4" Hybrid	140.00 - 160.00	0.6000	0.4820
T17	22	1.75"	140.00 - 150.00	0.6000	0.4820
T17	27	AM Skirt Antenna	140.00 - 160.00	0.6000	0.4820
T17	28	AM Skirt Antenna	140.00 - 160.00	0.6000	0.4820
T17	29	AM Skirt Antenna	140.00 - 160.00	0.6000	0.4820
T18	1	2 1/4"	120.00 - 140.00	0.6000	0.4940
T18	3	7/8"	120.00 - 140.00	0.6000	0.4940
T18	5	7/8"	120.00 - 140.00	0.6000	0.4940
T18	7	7/8"	120.00 - 140.00	0.6000	0.4940
T18	9	7/8"	120.00 - 140.00	0.6000	0.4940
T18	11	1/2"	120.00 - 140.00	0.6000	0.4940
T18	16	1/2" Heliac Coax	120.00 - 140.00	0.6000	0.4940
T18	17	1-1/4" Hybrid	120.00 - 140.00	0.6000	0.4940
T18	18	2" Fiber Duct	120.00 - 140.00	0.6000	0.4940
T18	19	5/16 Coax	120.00 - 140.00	0.6000	0.4940
T18	20	1-1/4" Hybrid	120.00 - 140.00	0.6000	0.4940
T18	22	1.75"	120.00 - 140.00	0.6000	0.4940
T18	27	AM Skirt Antenna	120.00 - 140.00	0.6000	0.4940
T18	28	AM Skirt Antenna	120.00 - 140.00	0.6000	0.4940
T18	29	AM Skirt Antenna	120.00 - 140.00	0.6000	0.4940
T18	31	1.55" Hybrid	120.00 - 130.00	0.6000	0.4940
T19	1	2 1/4"	100.00 - 120.00	0.6000	0.4991
T19	3	7/8"	100.00 - 120.00	0.6000	0.4991
T19	5	7/8"	100.00 - 120.00	0.6000	0.4991

<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	<p>Job</p> <p style="text-align: center;">22-0511</p>	<p>Page</p> <p style="text-align: center;">19 of 78</p>
	<p>Project</p> <p style="text-align: center;">WXGI Tower</p>	<p>Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p>Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p>Designed by</p> <p style="text-align: center;">sPerabathula</p>

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T19	7	7/8"	100.00 - 120.00	0.6000	0.4991
T19	9	7/8"	100.00 - 120.00	0.6000	0.4991
T19	11	1/2"	100.00 - 120.00	0.6000	0.4991
T19	16	1/2" Heliac Coax	100.00 - 120.00	0.6000	0.4991
T19	17	1-1/4" Hybrid	100.00 - 120.00	0.6000	0.4991
T19	18	2" Fiber Duct	100.00 - 120.00	0.6000	0.4991
T19	19	5/16 Coax	100.00 - 120.00	0.6000	0.4991
T19	20	1-1/4" Hybrid	100.00 - 120.00	0.6000	0.4991
T19	22	1.75"	100.00 - 120.00	0.6000	0.4991
T19	27	AM Skirt Antenna	100.00 - 120.00	0.6000	0.4991
T19	28	AM Skirt Antenna	100.00 - 120.00	0.6000	0.4991
T19	29	AM Skirt Antenna	100.00 - 120.00	0.6000	0.4991
T19	31	1.55" Hybrid	100.00 - 120.00	0.6000	0.4991
T20	1	2 1/4"	80.00 - 100.00	0.6000	0.5052
T20	3	7/8"	80.00 - 100.00	0.6000	0.5052
T20	5	7/8"	80.00 - 100.00	0.6000	0.5052
T20	7	7/8"	80.00 - 100.00	0.6000	0.5052
T20	9	7/8"	80.00 - 100.00	0.6000	0.5052
T20	11	1/2"	80.00 - 100.00	0.6000	0.5052
T20	16	1/2" Heliac Coax	80.00 - 100.00	0.6000	0.5052
T20	17	1-1/4" Hybrid	80.00 - 100.00	0.6000	0.5052
T20	18	2" Fiber Duct	80.00 - 100.00	0.6000	0.5052
T20	19	5/16 Coax	80.00 - 100.00	0.6000	0.5052
T20	20	1-1/4" Hybrid	80.00 - 100.00	0.6000	0.5052
T20	22	1.75"	80.00 - 100.00	0.6000	0.5052
T20	27	AM Skirt Antenna	80.00 - 100.00	0.6000	0.5052
T20	28	AM Skirt Antenna	80.00 - 100.00	0.6000	0.5052
T20	29	AM Skirt Antenna	80.00 - 100.00	0.6000	0.5052
T20	31	1.55" Hybrid	80.00 - 100.00	0.6000	0.5052
T21	1	2 1/4"	60.00 - 80.00	0.6000	0.5126
T21	3	7/8"	60.00 - 80.00	0.6000	0.5126
T21	5	7/8"	60.00 - 80.00	0.6000	0.5126
T21	7	7/8"	60.00 - 80.00	0.6000	0.5126
T21	9	7/8"	60.00 - 80.00	0.6000	0.5126
T21	11	1/2"	60.00 - 80.00	0.6000	0.5126
T21	16	1/2" Heliac Coax	60.00 - 80.00	0.6000	0.5126
T21	17	1-1/4" Hybrid	60.00 - 80.00	0.6000	0.5126
T21	18	2" Fiber Duct	60.00 - 80.00	0.6000	0.5126
T21	19	5/16 Coax	60.00 - 80.00	0.6000	0.5126
T21	20	1-1/4" Hybrid	60.00 - 80.00	0.6000	0.5126
T21	22	1.75"	60.00 - 80.00	0.6000	0.5126
T21	27	AM Skirt Antenna	60.00 - 80.00	0.6000	0.5126
T21	28	AM Skirt Antenna	60.00 - 80.00	0.6000	0.5126
T21	29	AM Skirt Antenna	60.00 - 80.00	0.6000	0.5126
T21	31	1.55" Hybrid	60.00 - 80.00	0.6000	0.5126
T22	1	2 1/4"	40.00 - 60.00	0.6000	0.5223
T22	3	7/8"	40.00 - 60.00	0.6000	0.5223
T22	5	7/8"	40.00 - 60.00	0.6000	0.5223
T22	7	7/8"	40.00 - 60.00	0.6000	0.5223

<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	<p>Job</p> <p style="text-align: center;">22-0511</p>	<p>Page</p> <p style="text-align: center;">20 of 78</p>
	<p>Project</p> <p style="text-align: center;">WXGI Tower</p>	<p>Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p>Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p>Designed by</p> <p style="text-align: center;">sPerabathula</p>

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T22	9	7/8"	40.00 - 60.00	0.6000	0.5223
T22	11	1/2"	40.00 - 60.00	0.6000	0.5223
T22	16	1/2" Heliac Coax	40.00 - 60.00	0.6000	0.5223
T22	17	1-1/4" Hybrid	40.00 - 60.00	0.6000	0.5223
T22	18	2" Fiber Duct	40.00 - 60.00	0.6000	0.5223
T22	19	5/16 Coax	40.00 - 60.00	0.6000	0.5223
T22	20	1-1/4" Hybrid	40.00 - 60.00	0.6000	0.5223
T22	22	1.75"	40.00 - 60.00	0.6000	0.5223
T22	27	AM Skirt Antenna	40.00 - 60.00	0.6000	0.5223
T22	28	AM Skirt Antenna	40.00 - 60.00	0.6000	0.5223
T22	29	AM Skirt Antenna	40.00 - 60.00	0.6000	0.5223
T22	31	1.55" Hybrid	40.00 - 60.00	0.6000	0.5223
T23	1	2 1/4"	20.00 - 40.00	0.6000	0.5365
T23	3	7/8"	20.00 - 40.00	0.6000	0.5365
T23	5	7/8"	20.00 - 40.00	0.6000	0.5365
T23	7	7/8"	20.00 - 40.00	0.6000	0.5365
T23	9	7/8"	20.00 - 40.00	0.6000	0.5365
T23	11	1/2"	20.00 - 40.00	0.6000	0.5365
T23	16	1/2" Heliac Coax	20.00 - 40.00	0.6000	0.5365
T23	17	1-1/4" Hybrid	20.00 - 40.00	0.6000	0.5365
T23	18	2" Fiber Duct	20.00 - 40.00	0.6000	0.5365
T23	19	5/16 Coax	20.00 - 40.00	0.6000	0.5365
T23	20	1-1/4" Hybrid	20.00 - 40.00	0.6000	0.5365
T23	22	1.75"	20.00 - 40.00	0.6000	0.5365
T23	27	AM Skirt Antenna	20.00 - 40.00	0.6000	0.5365
T23	28	AM Skirt Antenna	20.00 - 40.00	0.6000	0.5365
T23	29	AM Skirt Antenna	20.00 - 40.00	0.6000	0.5365
T23	31	1.55" Hybrid	20.00 - 40.00	0.6000	0.5365
T24	1	2 1/4"	10.00 - 20.00	0.6000	0.5520
T24	3	7/8"	10.00 - 20.00	0.6000	0.5520
T24	5	7/8"	10.00 - 20.00	0.6000	0.5520
T24	7	7/8"	10.00 - 20.00	0.6000	0.5520
T24	9	7/8"	10.00 - 20.00	0.6000	0.5520
T24	11	1/2"	10.00 - 20.00	0.6000	0.5520
T24	16	1/2" Heliac Coax	7.00 - 20.00	0.6000	0.5520
T24	17	1-1/4" Hybrid	10.00 - 20.00	0.6000	0.5520
T24	18	2" Fiber Duct	7.00 - 20.00	0.6000	0.5520
T24	19	5/16 Coax	7.00 - 20.00	0.6000	0.5520
T24	20	1-1/4" Hybrid	10.00 - 20.00	0.6000	0.5520
T24	22	1.75"	6.67 - 20.00	0.6000	0.5520
T24	27	AM Skirt Antenna	6.67 - 20.00	0.6000	0.5520
T24	28	AM Skirt Antenna	6.67 - 20.00	0.6000	0.5520
T24	29	AM Skirt Antenna	6.67 - 20.00	0.6000	0.5520
T24	31	1.55" Hybrid	6.67 - 20.00	0.6000	0.5520
T25	22	1.75"	0.00 - 6.67	0.6000	0.4131
T25	27	AM Skirt Antenna	5.00 - 6.67	0.6000	0.4131
T25	28	AM Skirt Antenna	5.00 - 6.67	0.6000	0.4131
T25	29	AM Skirt Antenna	5.00 - 6.67	0.6000	0.4131
T25	31	1.55" Hybrid	0.00 - 6.67	0.6000	0.4131

User Defined Loads - Seismic

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job 22-0511	Page 21 of 78
	Project WXGI Tower	Date 11:19:25 07/05/22
	Client Hunter Communications Group LLC	Designed by sPerabathula

Description	Elevation	Offset From Centroid	Azimuth Angle	E_v	E_{hx}	E_{hz}	E_h
	ft	ft	°	K	K	K	K
T1	480.00	0.00	0.0000	0.10	0.00	0.00	0.10
T2	460.00	0.00	0.0000	0.05	0.00	0.00	0.06
T3	440.00	0.00	0.0000	0.05	0.00	0.00	0.07
T4	420.00	0.00	0.0000	0.05	0.00	0.00	0.06
T5	400.00	0.00	0.0000	0.08	0.00	0.00	0.08
T6	380.00	0.00	0.0000	0.05	0.00	0.00	0.05
T7	360.00	0.00	0.0000	0.05	0.00	0.00	0.05
T8	340.00	0.00	0.0000	0.06	0.00	0.00	0.06
T9	320.00	0.00	0.0000	0.09	0.00	0.00	0.07
T10	300.00	0.00	0.0000	0.06	0.00	0.00	0.05
T11	280.00	0.00	0.0000	0.05	0.00	0.00	0.04
T12	260.00	0.00	0.0000	0.07	0.00	0.00	0.06
T13	240.00	0.00	0.0000	0.11	0.00	0.00	0.07
T14	220.00	0.00	0.0000	0.14	0.00	0.00	0.09
T15	200.00	0.00	0.0000	0.09	0.00	0.00	0.06
T16	180.00	0.00	0.0000	0.12	0.00	0.00	0.06
T17	160.00	0.00	0.0000	0.23	0.00	0.00	0.11
T18	140.00	0.00	0.0000	0.24	0.00	0.00	0.10
T19	120.00	0.00	0.0000	0.08	0.00	0.00	0.03
T20	100.00	0.00	0.0000	0.08	0.00	0.00	0.02
T21	80.00	0.00	0.0000	0.10	0.00	0.00	0.02
T22	60.00	0.00	0.0000	0.08	0.00	0.00	0.01
T23	40.00	0.00	0.0000	0.08	0.00	0.00	0.01
T24	20.00	0.00	0.0000	0.05	0.00	0.00	0.00
T25	6.67	0.00	0.0000	0.04	0.00	0.00	0.00

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	Placement	C_{AA} Front	C_{AA} Side	Weight	
			ft ft ft	°	ft	ft ²	ft ²	K	
Existing Top Beacon	B	None		0.0000	500.00	No Ice	2.50	4.00	0.10
						1/2" Ice	3.00	0.00	0.17
						1" Ice	5.50	0.00	0.25
						2" Ice	8.50	0.00	0.40
Existing Middle (2) Beacons	B	None		0.0000	220.00	No Ice	5.00	4.00	0.10
						1/2" Ice	5.90	0.00	0.00
						1" Ice	6.80	0.00	0.00
						2" Ice	8.60	0.00	0.00

LPX-2EHW FM antenna (Radio One)	A	From Leg	1.50 0.00 0.00	0.0000	495.00	No Ice	7.00	7.00	0.13
						1/2" Ice	10.00	10.00	0.20
						1" Ice	13.00	13.00	0.28
						2" Ice	19.00	19.00	0.45

Shively 6842-2-55 Antenna (Delmarva)	A	From Leg	3.00 0.00 0.00	0.0000	430.00	No Ice	6.50	4.10	0.12
						1/2" Ice	10.30	7.00	0.19
						1" Ice	14.10	9.90	0.25
						2" Ice	21.70	15.70	0.39

<i>tnxTower</i> ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	22 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	K
Dish Pipe Mount	C	From Leg	1.00	0.0000	330.00	No Ice	2.20	1.80	0.07
			0.00	0.00		1/2" Ice	2.70	2.40	0.11
			0.00	0.00		1" Ice	3.20	3.00	0.15
						2" Ice	4.20	4.20	0.23

SWR-FEMC/2-HWS-TA (Radio Richmond)	A	From Leg	3.00	0.0000	293.00	No Ice	5.50	5.50	0.15
			0.00	0.00		1/2" Ice	7.00	7.00	0.25
			0.00	0.00		1" Ice	8.50	8.50	0.35
						2" Ice	11.50	11.50	0.55
Standoff (1) (Clearwire)	A	From Leg	1.00	0.0000	293.00	No Ice	4.97	4.97	0.07
			0.00	0.00		1/2" Ice	6.12	6.12	0.13
			0.00	0.00		1" Ice	7.27	7.27	0.19
						2" Ice	9.57	9.57	0.31

BEXT TFC2K FM Antenna (Calvary Chapel)	C	From Leg	2.00	0.0000	242.00	No Ice	3.30	6.22	0.04
			0.00	0.00		1/2" Ice	4.10	7.82	0.05
			0.00	0.00		1" Ice	4.90	9.42	0.06
						2" Ice	6.50	12.62	0.08
5'3"x4" Pipe Mount (Calvary Chapel of Twin Falls, Inc)	A	From Leg	1.50	0.0000	242.00	No Ice	1.54	1.54	0.06
			0.00	0.00		1/2" Ice	2.21	2.21	0.07
			0.00	0.00		1" Ice	2.54	2.54	0.09
						2" Ice	3.24	3.24	0.15

Pipe mount 8'x2.375 (T-mobile)	A	From Leg	3.00	0.0000	215.70	No Ice	1.10	1.91	0.02
			0.00	0.00		1/2" Ice	1.60	2.70	0.03
			0.00	0.00		1" Ice	2.10	3.49	0.05
						2" Ice	3.10	5.07	0.09

AIR6449 B41 (T-Mobile)	A	From Leg	3.00	0.0000	204.60	No Ice	5.65	2.42	0.10
			0.00	0.00		1/2" Ice	5.96	2.64	0.14
			0.00	0.00		1" Ice	6.26	2.87	0.18
						2" Ice	6.90	3.36	0.28
AIR6449 B41 (T-Mobile)	B	From Leg	3.00	0.0000	204.60	No Ice	5.65	2.42	0.10
			0.00	0.00		1/2" Ice	5.96	2.64	0.14
			0.00	0.00		1" Ice	6.26	2.87	0.18
						2" Ice	6.90	3.36	0.28
AIR6449 B41 (T-Mobile)	C	From Leg	3.00	0.0000	204.60	No Ice	5.65	2.42	0.10
			0.00	0.00		1/2" Ice	5.96	2.64	0.14
			0.00	0.00		1" Ice	6.26	2.87	0.18
						2" Ice	6.90	3.36	0.28
APXVAARR24_43-U-NA20 (T-Mobile)	A	From Leg	3.00	0.0000	204.60	No Ice	20.24	8.89	0.13
			0.00	0.00		1/2" Ice	20.89	9.49	0.24
			0.00	0.00		1" Ice	21.54	10.09	0.36
						2" Ice	22.87	11.33	0.63
APXVAARR24_43-U-NA20 (T-Mobile)	B	From Leg	3.00	0.0000	204.60	No Ice	20.24	8.89	0.13
			0.00	0.00		1/2" Ice	20.89	9.49	0.24
			0.00	0.00		1" Ice	21.54	10.09	0.36
						2" Ice	22.87	11.33	0.63
APXVAARR24_43-U-NA20 (T-Mobile)	C	From Leg	3.00	0.0000	204.60	No Ice	20.24	8.89	0.13
			0.00	0.00		1/2" Ice	20.89	9.49	0.24
			0.00	0.00		1" Ice	21.54	10.09	0.36
						2" Ice	22.87	11.33	0.63
4449 B71 / B12 (T-Mobile)	A	From Leg	3.00	0.0000	204.60	No Ice	1.98	1.41	0.07
			0.00	0.00		1/2" Ice	2.16	1.57	0.09

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	23 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Lateral						
			ft	ft	°	ft	ft ²	ft ²	K	
			0.00				1" Ice	2.34	1.73	0.11
							2" Ice	2.73	2.08	0.16
4449 B71 / B12 (T-Mobile)	B	From Leg	3.00	0.0000	204.60	No Ice	1.98	1.41	0.07	
			0.00			1/2" Ice	2.16	1.57	0.09	
			0.00			1" Ice	2.34	1.73	0.11	
						2" Ice	2.73	2.08	0.16	
4449 B71 / B12 (T-Mobile)	C	From Leg	3.00	0.0000	204.60	No Ice	1.98	1.41	0.07	
			0.00			1/2" Ice	2.16	1.57	0.09	
			0.00			1" Ice	2.34	1.73	0.11	
						2" Ice	2.73	2.08	0.16	

4415 B25 (T-Mobile)	A	From Leg	3.00	0.0000	204.60	No Ice	1.84	0.82	0.05	
			0.00			1/2" Ice	2.01	0.94	0.06	
			0.00			1" Ice	2.19	1.07	0.08	
						2" Ice	2.57	1.37	0.12	
4415 B25 (T-Mobile)	B	From Leg	3.00	0.0000	204.60	No Ice	1.84	0.82	0.05	
			0.00			1/2" Ice	2.01	0.94	0.06	
			0.00			1" Ice	2.19	1.07	0.08	
						2" Ice	2.57	1.37	0.12	
4415 B25 (T-Mobile)	C	From Leg	3.00	0.0000	204.60	No Ice	1.84	0.82	0.05	
			0.00			1/2" Ice	2.01	0.94	0.06	
			0.00			1" Ice	2.19	1.07	0.08	
						2" Ice	2.57	1.37	0.12	
Schedule 40 pipes x 80" Horizontal (T-mobile)	A	From Leg	3.00	0.0000	204.60	No Ice	1.32	0.00	0.02	
			0.00			1/2" Ice	1.88	0.00	0.05	
			0.00			1" Ice	4.87	0.00	0.08	
						2" Ice	7.09	0.00	0.13	
Schedule 40 pipes x 80" Horizontal (T-mobile)	B	From Leg	3.00	0.0000	204.60	No Ice	1.32	0.00	0.02	
			0.00			1/2" Ice	1.88	0.00	0.05	
			0.00			1" Ice	4.87	0.00	0.08	
						2" Ice	7.09	0.00	0.13	
Schedule 40 pipes x 80" Horizontal (T-mobile)	C	From Leg	3.00	0.0000	204.60	No Ice	1.32	0.00	0.02	
			0.00			1/2" Ice	1.88	0.00	0.05	
			0.00			1" Ice	4.87	0.00	0.08	
						2" Ice	7.09	0.00	0.13	
(2) Schedule 40 Pipes Vertical (T-Mobile)	A	From Leg	3.00	0.0000	204.60	No Ice	0.02	3.81	0.03	
			0.00			1/2" Ice	0.05	5.41	0.06	
			0.00			1" Ice	0.16	7.01	0.09	
						2" Ice	0.30	10.21	0.14	
(2) Schedule 40 Pipes Vertical (T-Mobile)	B	From Leg	3.00	0.0000	204.60	No Ice	0.02	3.81	0.03	
			0.00			1/2" Ice	0.05	5.41	0.06	
			0.00			1" Ice	0.16	7.01	0.09	
						2" Ice	0.30	10.21	0.14	
(2) Schedule 40 Pipes Vertical (T-Mobile)	C	From Leg	3.00	0.0000	204.60	No Ice	0.02	3.81	0.03	
			0.00			1/2" Ice	0.05	5.41	0.06	
			0.00			1" Ice	0.16	7.01	0.09	
						2" Ice	0.30	10.21	0.14	

Face mounts (T-Mobile)	A	From Leg	1.00	0.0000	169.29	No Ice	2.62	1.99	0.10	
			0.00			1/2" Ice	3.42	2.65	0.15	
			0.00			1" Ice	15.85	11.91	0.50	
						2" Ice	22.65	16.75	0.71	

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	24 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			ft	ft	°	ft	ft ²	ft ²	K
Face mounts (T-Mobile)	B	From Leg	1.00	0.0000	169.29	No Ice	2.62	1.99	0.10
			0.00	0.0000		1/2" Ice	3.42	2.65	0.15
			0.00	0.0000		1" Ice	15.85	11.91	0.50
						2" Ice	22.65	16.75	0.71
Face mounts (T-Mobile)	C	From Leg	1.00	0.0000	169.29	No Ice	2.62	1.99	0.10
			0.00	0.0000		1/2" Ice	3.42	2.65	0.15
			0.00	0.0000		1" Ice	15.85	11.91	0.50
						2" Ice	22.65	16.75	0.71

AIR 32 B66A/B2A (T-Mobile)	A	From Leg	3.00	0.0000	169.29	No Ice	6.51	4.71	0.13
			0.00	0.0000		1/2" Ice	6.89	5.07	0.18
			0.00	0.0000		1" Ice	7.27	5.43	0.23
						2" Ice	8.06	6.18	0.35
AIR 32 B66A/B2A (T-Mobile)	B	From Leg	3.00	0.0000	169.29	No Ice	6.51	4.71	0.13
			0.00	0.0000		1/2" Ice	6.89	5.07	0.18
			0.00	0.0000		1" Ice	7.27	5.43	0.23
						2" Ice	8.06	6.18	0.35
AIR 32 B66A/B2A (T-Mobile)	C	From Leg	3.00	0.0000	169.29	No Ice	6.51	4.71	0.13
			0.00	0.0000		1/2" Ice	6.89	5.07	0.18
			0.00	0.0000		1" Ice	7.27	5.43	0.23
						2" Ice	8.06	6.18	0.35

MX08FRO665-21 (Dish Wireless)	A	From Leg	3.00	0.0000	150.00	No Ice	12.49	5.87	0.06
			0.00	0.0000		1/2" Ice	12.99	6.32	0.14
			0.00	0.0000		1" Ice	13.49	6.79	0.22
						2" Ice	14.52	7.74	0.40
MX08FRO665-21 (Dish Wireless)	B	From Leg	3.00	0.0000	150.00	No Ice	12.49	5.87	0.06
			0.00	0.0000		1/2" Ice	12.99	6.32	0.14
			0.00	0.0000		1" Ice	13.49	6.79	0.22
						2" Ice	14.52	7.74	0.40
MX08FRO665-21 (Dish Wireless)	C	From Leg	3.00	0.0000	150.00	No Ice	12.49	5.87	0.06
			0.00	0.0000		1/2" Ice	12.99	6.32	0.14
			0.00	0.0000		1" Ice	13.49	6.79	0.22
						2" Ice	14.52	7.74	0.40
TA08025-B605 (Dish Wireless)	A	From Leg	3.00	0.0000	150.00	No Ice	1.96	1.19	0.07
			0.00	0.0000		1/2" Ice	2.14	1.33	0.09
			0.00	0.0000		1" Ice	2.32	1.48	0.11
						2" Ice	2.71	1.80	0.16
TA08025-B605 (Dish Wireless)	B	From Leg	3.00	0.0000	150.00	No Ice	1.96	1.19	0.07
			0.00	0.0000		1/2" Ice	2.14	1.33	0.09
			0.00	0.0000		1" Ice	2.32	1.48	0.11
						2" Ice	2.71	1.80	0.16
TA08025-B605 (Dish Wireless)	C	From Leg	3.00	0.0000	150.00	No Ice	1.96	1.19	0.07
			0.00	0.0000		1/2" Ice	2.14	1.33	0.09
			0.00	0.0000		1" Ice	2.32	1.48	0.11
						2" Ice	2.71	1.80	0.16
TA08025-B604 (Dish Wireless)	A	From Leg	3.00	0.0000	150.00	No Ice	1.96	1.03	0.06
			0.00	0.0000		1/2" Ice	2.14	1.17	0.08
			0.00	0.0000		1" Ice	2.32	1.31	0.10
						2" Ice	2.71	1.62	0.15
TA08025-B604 (Dish Wireless)	B	From Leg	3.00	0.0000	150.00	No Ice	1.96	1.03	0.06
			0.00	0.0000		1/2" Ice	2.14	1.17	0.08
			0.00	0.0000		1" Ice	2.32	1.31	0.10
						2" Ice	2.71	1.62	0.15
TA08025-B604 (Dish Wireless)	C	From Leg	3.00	0.0000	150.00	No Ice	1.96	1.03	0.06
			0.00	0.0000		1/2" Ice	2.14	1.17	0.08
			0.00	0.0000		1" Ice	2.32	1.31	0.10

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	25 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Vert					
			ft	ft	°	ft	ft ²	ft ²	K
RDIDC-9181-PF-48 (Dish Wireless)	A	From Leg	3.00	0.0000	150.00	2" Ice	2.71	1.62	0.15
			0.00	0.0000		No Ice	2.24	1.17	0.02
			0.00	0.0000		1/2" Ice	2.42	1.31	0.04
			0.00	0.0000		1" Ice	2.62	1.46	0.06
Commscope MTC3975083-PK01 Sector Frame (Dish Wireless)	A	From Leg	3.00	0.0000	150.00	2" Ice	3.02	1.78	0.12
			0.00	0.0000		No Ice	6.92	4.88	0.35
			0.00	0.0000		1/2" Ice	9.85	8.30	0.46
			0.00	0.0000		1" Ice	12.78	11.72	0.56
Commscope MTC3975083-PK01 Sector Frame (Dish Wireless)	B	From Leg	3.00	0.0000	150.00	2" Ice	18.64	18.56	0.78
			0.00	0.0000		No Ice	6.92	4.88	0.35
			0.00	0.0000		1/2" Ice	9.85	8.30	0.46
			0.00	0.0000		1" Ice	12.78	11.72	0.56
Commscope MTC3975083-PK01 Sector Frame (Dish Wireless)	C	From Leg	3.00	0.0000	150.00	2" Ice	18.64	18.56	0.78
			0.00	0.0000		No Ice	6.92	4.88	0.35
			0.00	0.0000		1/2" Ice	9.85	8.30	0.46
			0.00	0.0000		1" Ice	12.78	11.72	0.56
(3) mount pipes (Dish Wireless)	A	From Leg	3.00	0.0000	150.00	2" Ice	18.64	18.56	0.78
			0.00	0.0000		No Ice	5.20	6.91	0.14
			0.00	0.0000		1/2" Ice	6.98	9.31	0.19
			0.00	0.0000		1" Ice	8.76	11.71	0.24
(3) mount pipes (Dish Wireless)	A	From Leg	3.00	0.0000	150.00	2" Ice	12.32	16.51	0.34
			0.00	0.0000		No Ice	5.20	6.91	0.14
			0.00	0.0000		1/2" Ice	6.98	9.31	0.19
			0.00	0.0000		1" Ice	8.76	11.71	0.24
(3) mount pipes (Dish Wireless)	A	From Leg	3.00	0.0000	150.00	2" Ice	12.32	16.51	0.34
			0.00	0.0000		No Ice	5.20	6.91	0.14
			0.00	0.0000		1/2" Ice	6.98	9.31	0.19
			0.00	0.0000		1" Ice	8.76	11.71	0.24
*** NHH-65C-R2B (Verizon)	A	From Leg	3.00	0.0000	134.00	2" Ice	12.32	16.51	0.34
			0.00	0.0000		No Ice	11.39	7.66	0.05
			0.00	0.0000		1/2" Ice	12.01	8.25	0.12
			0.00	0.0000		1" Ice	12.63	8.84	0.19
NHH-65C-RCB (Verizon)	B	From Leg	3.00	0.0000	134.00	2" Ice	13.87	10.06	0.36
			0.00	0.0000		No Ice	11.39	7.66	0.05
			0.00	0.0000		1/2" Ice	12.01	8.25	0.12
			0.00	0.0000		1" Ice	12.63	8.84	0.19
NHH-65C-RCB (Verizon)	C	From Leg	3.00	0.0000	134.00	2" Ice	13.87	10.06	0.36
			0.00	0.0000		No Ice	11.39	7.66	0.05
			0.00	0.0000		1/2" Ice	12.01	8.25	0.12
			0.00	0.0000		1" Ice	12.63	8.84	0.19
NHHSS-65C-R2B (Verizon)	A	From Leg	3.00	0.0000	134.00	2" Ice	13.87	10.06	0.36
			0.00	0.0000		No Ice	11.39	7.66	0.06
			0.00	0.0000		1/2" Ice	12.01	8.25	0.12
			0.00	0.0000		1" Ice	12.63	8.84	0.19
NHHSS-65C-R2B (Verizon)	B	From Leg	3.00	0.0000	134.00	2" Ice	13.87	10.06	0.37
			0.00	0.0000		No Ice	11.39	7.66	0.06
			0.00	0.0000		1/2" Ice	12.01	8.25	0.12
			0.00	0.0000		1" Ice	12.63	8.84	0.19
NHHSS-65C-R2B (Verizon)	C	From Leg	3.00	0.0000	134.00	2" Ice	13.87	10.06	0.37
			0.00	0.0000		No Ice	11.39	7.66	0.06
			0.00	0.0000		1/2" Ice	12.01	8.25	0.12
			0.00	0.0000		1" Ice	12.63	8.84	0.19
MT6407-77A (Verizon)	A	From Leg	3.00	0.0000	134.00	2" Ice	13.87	10.06	0.37
			0.00	0.0000		No Ice	4.67	1.84	0.08
			0.00	0.0000		1/2" Ice	4.96	2.06	0.11
			0.00	0.0000		1" Ice	5.26	2.29	0.14

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	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Vert					
			ft	ft	°	ft	ft ²	ft ²	K
MT6407-77A (Verizon)	B	From Leg	3.00	0.0000	134.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		4.67	1.84	0.08	
			0.00	1/2" Ice		4.96	2.06	0.11	
				1" Ice		5.26	2.29	0.14	
MT6407-77A (Verizon)	C	From Leg	3.00	0.0000	134.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		4.67	1.84	0.08	
			0.00	1/2" Ice		4.96	2.06	0.11	
				1" Ice		5.26	2.29	0.14	
B5/B13 RRH-BR04C (RFV01U-D2A) (Verizon)	A	From Leg	3.00	0.0000	127.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		1.87	1.02	0.07	
			0.00	1/2" Ice		2.03	1.15	0.09	
				1" Ice		2.21	1.29	0.11	
B5/B13 RRH-BR04C (RFV01U-D2A) (Verizon)	B	From Leg	3.00	0.0000	127.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		1.87	1.02	0.07	
			0.00	1/2" Ice		2.03	1.15	0.09	
				1" Ice		2.21	1.29	0.11	
B5/B13 RRH-BR04C (RFV01U-D2A) (Verizon)	C	From Leg	3.00	0.0000	127.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		1.87	1.02	0.07	
			0.00	1/2" Ice		2.03	1.15	0.09	
				1" Ice		2.21	1.29	0.11	
B2/B66A RRH-BRO49 (RFV01U-D1A) (Verizon)	A	From Leg	3.00	0.0000	127.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		1.87	1.02	0.07	
			0.00	1/2" Ice		2.04	1.39	0.10	
				1" Ice		2.21	1.54	0.12	
B2/B66A RRH-BRO49 (RFV01U-D1A) (Verizon)	B	From Leg	3.00	0.0000	127.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		1.87	1.02	0.07	
			0.00	1/2" Ice		2.04	1.39	0.10	
				1" Ice		2.21	1.54	0.12	
B2/B66A RRH-BRO49 (RFV01U-D1A) (Verizon)	C	From Leg	3.00	0.0000	127.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		1.87	1.02	0.07	
			0.00	1/2" Ice		2.04	1.39	0.10	
				1" Ice		2.21	1.54	0.12	
CBRS RRH - RT4401-48A (Verizon)	A	From Leg	3.00	0.0000	127.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		0.85	0.43	0.02	
			0.00	1/2" Ice		0.97	0.52	0.02	
				1" Ice		1.09	0.61	0.03	
CBRS RRH - RT4401-48A (Verizon)	B	From Leg	3.00	0.0000	127.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		0.85	0.43	0.02	
			0.00	1/2" Ice		0.97	0.52	0.02	
				1" Ice		1.09	0.61	0.03	
CBRS RRH - RT4401-48A (Verizon)	C	From Leg	3.00	0.0000	127.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		0.85	0.43	0.02	
			0.00	1/2" Ice		0.97	0.52	0.02	
				1" Ice		1.09	0.61	0.03	
(4)mount pipes (Verizon)	A	From Leg	3.00	0.0000	130.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		6.18	10.00	0.16	
			0.00	1/2" Ice		8.80	14.20	0.20	
				1" Ice		11.42	18.40	0.24	
(4)mount pipes (Verizon)	B	From Leg	3.00	0.0000	130.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		6.18	10.00	0.16	
			0.00	1/2" Ice		8.80	14.20	0.20	
				1" Ice		11.42	18.40	0.24	
(4)mount pipes (Verizon)	C	From Leg	3.00	0.0000	130.00	2" Ice	5.87	2.77	0.22
			0.00	No Ice		6.18	10.00	0.16	
			0.00	1/2" Ice		8.80	14.20	0.20	
				1" Ice		11.42	18.40	0.24	
					2" Ice	16.66	26.80	0.32	

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	27 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight
			Horz	Lateral					
			Vert						
			ft	ft	°	ft	ft ²	ft ²	K
			ft						
Raycap RHSDC-3315-PF-48 (Verizon)	A	From Leg	1.00	0.0000	127.00	No Ice	3.36	2.19	0.03
			0.00			1/2" Ice	3.72	2.50	0.05
			0.00			1" Ice	4.07	2.81	0.07
						2" Ice	4.78	3.42	0.10
Raycap RHSDC-3315-PF-48 (Verizon)	B	From Leg	1.00	0.0000	127.00	No Ice	3.36	2.19	0.03
			0.00			1/2" Ice	3.72	2.50	0.05
			0.00			1" Ice	4.07	2.81	0.07
						2" Ice	4.78	3.42	0.10
SF-SU14-2-126 Sector Mount (Verizon)	A	From Leg	1.50	0.0000	130.00	No Ice	15.50	11.60	0.50
			0.00			1/2" Ice	17.00	12.75	0.65
			0.00			1" Ice	18.50	13.90	0.80
						2" Ice	21.50	16.20	1.10
SF-SU14-2-126 Sector Mount (Verizon)	B	From Leg	1.50	0.0000	130.00	No Ice	15.50	11.60	0.50
			0.00			1/2" Ice	17.00	12.75	0.65
			0.00			1" Ice	18.50	13.90	0.80
						2" Ice	21.50	16.20	1.10
SF-SU14-2-126 Sector Mount (Verizon)	C	From Leg	1.50	0.0000	130.00	No Ice	15.50	11.60	0.50
			0.00			1/2" Ice	17.00	12.75	0.65
			0.00			1" Ice	18.50	13.90	0.80
						2" Ice	21.50	16.20	1.10
Side arms for skirt (AM Stations)	A	From Leg	1.00	0.0000	200.00	No Ice	9.00	4.50	0.15
			0.00			1/2" Ice	12.00	6.00	0.25
			0.00			1" Ice	15.00	7.50	0.35
						2" Ice	21.00	10.50	0.55
Side arms for skirt (AM Stations)	B	From Leg	1.00	0.0000	200.00	No Ice	9.00	4.50	0.15
			0.00			1/2" Ice	12.00	6.00	0.25
			0.00			1" Ice	15.00	7.50	0.35
						2" Ice	21.00	10.50	0.55
Side arms for skirt (AM Stations)	C	From Leg	1.00	0.0000	200.00	No Ice	9.00	4.50	0.15
			0.00			1/2" Ice	12.00	6.00	0.25
			0.00			1" Ice	15.00	7.50	0.35
						2" Ice	21.00	10.50	0.55
Side arms for skirt (AM Stations)	A	From Leg	1.00	0.0000	5.00	No Ice	9.00	4.50	0.15
			0.00			1/2" Ice	12.00	6.00	0.25
			0.00			1" Ice	15.00	7.50	0.35
						2" Ice	21.00	10.50	0.55
Side arms for skirt (AM Stations)	B	From Leg	1.00	0.0000	5.00	No Ice	9.00	4.50	0.15
			0.00			1/2" Ice	12.00	6.00	0.25
			0.00			1" Ice	15.00	7.50	0.35
						2" Ice	21.00	10.50	0.55
Side arms for skirt (AM Stations)	C	From Leg	1.00	0.0000	5.00	No Ice	9.00	4.50	0.15
			0.00			1/2" Ice	12.00	6.00	0.25
			0.00			1" Ice	15.00	7.50	0.35
						2" Ice	21.00	10.50	0.55

Dishes

<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	<p>Job</p> <p style="text-align: center;">22-0511</p>	<p>Page</p> <p style="text-align: center;">28 of 78</p>
	<p>Project</p> <p style="text-align: center;">WXGI Tower</p>	<p>Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p>Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p>Designed by</p> <p style="text-align: center;">sPerabathula</p>

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter	Aperture Area	Weight
				ft	°	°	ft	ft	ft ²	K
RSI P-9LA72G-U 6' Grid Dish (Radio-One)	C	Grid	From Leg	1.00 0.00 0.00	0.0000		330.00	6.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.12 0.16 0.20 0.28

VHLP1-23 (T-mobile)	B	Paraboloid w/o Radome	From Leg	1.00 0.00 0.00	0.0000		191.00	1.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.01 0.02 0.02 0.03

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy
4	1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy
5	1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy
6	1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy
7	1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy
8	1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy
9	1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy
10	1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy
11	1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy
12	1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy
13	1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy
14	1.2 Dead+1.0 Ice+1.0 Temp+Guy
15	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
16	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
17	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
18	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
19	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	Dead+Wind 0 deg - Service+Guy
28	Dead+Wind 30 deg - Service+Guy
29	Dead+Wind 60 deg - Service+Guy
30	Dead+Wind 90 deg - Service+Guy
31	Dead+Wind 120 deg - Service+Guy
32	Dead+Wind 150 deg - Service+Guy
33	Dead+Wind 180 deg - Service+Guy
34	Dead+Wind 210 deg - Service+Guy
35	Dead+Wind 240 deg - Service+Guy
36	Dead+Wind 270 deg - Service+Guy
37	Dead+Wind 300 deg - Service+Guy
38	Dead+Wind 330 deg - Service+Guy
39	1.2 Dead+1.0 Ev+1.0 Eh 0 deg+1.0 Guy
40	1.2 Dead+1.0 Ev+1.0 Eh 30 deg+1.0 Guy
41	1.2 Dead+1.0 Ev+1.0 Eh 60 deg+1.0 Guy
42	1.2 Dead+1.0 Ev+1.0 Eh 90 deg+1.0 Guy

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Comb. No.	Description
43	1.2 Dead+1.0 Ev+1.0 Eh 120 deg+1.0 Guy
44	1.2 Dead+1.0 Ev+1.0 Eh 150 deg+1.0 Guy
45	1.2 Dead+1.0 Ev+1.0 Eh 180 deg+1.0 Guy
46	1.2 Dead+1.0 Ev+1.0 Eh 210 deg+1.0 Guy
47	1.2 Dead+1.0 Ev+1.0 Eh 240 deg+1.0 Guy
48	1.2 Dead+1.0 Ev+1.0 Eh 270 deg+1.0 Guy
49	1.2 Dead+1.0 Ev+1.0 Eh 300 deg+1.0 Guy
50	1.2 Dead+1.0 Ev+1.0 Eh 330 deg+1.0 Guy

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	500 - 480	Pole	Max Tension	3	0.00	-0.00	0.00
			Max. Compression	23	-1.77	2.67	-0.66
			Max. Mx	11	-0.74	16.70	0.81
			Max. My	2	-0.74	0.32	17.00
			Max. Vy	11	-1.17	16.70	0.81
			Max. Vx	2	-1.17	0.32	17.00
T1	480 - 460	Leg	Max. Torque	11			-0.83
			Max Tension	12	6.25	-0.39	-0.17
			Max. Compression	21	-13.09	0.06	-0.00
			Max. Mx	12	6.25	-0.39	-0.17
			Max. My	8	6.09	0.06	0.41
			Max. Vy	12	-4.97	0.02	0.04
		Diagonal	Max. Vx	8	5.32	0.03	-0.04
			Max Tension	5	1.72	0.00	0.00
			Max. Compression	3	-1.84	0.00	0.00
			Max. Mx	23	0.35	0.02	0.00
			Max. My	10	-0.06	0.00	-0.00
			Max. Vy	23	0.02	0.00	0.00
		Horizontal	Max. Vx	10	0.00	0.00	0.00
			Max Tension	4	0.08	0.00	0.00
			Max. Compression	2	-0.02	0.00	0.00
			Max. Mx	19	0.04	0.01	0.00
			Max. My	10	0.03	0.00	-0.00
			Max. Vy	14	-0.01	0.00	0.00
		Secondary Horizontal	Max. Vx	10	0.00	0.00	0.00
			Max Tension	23	0.00	-0.00	-0.00
			Max. Compression	19	-0.00	-0.00	-0.00
			Max. Mx	18	-0.00	-0.00	-0.00
			Max. My	2	0.00	-0.00	0.00
			Max. Vy	18	0.01	-0.00	-0.00
Top Girt	Max. Vx	2	-0.00	-0.00	0.00		
	Max Tension	15	4.14	0.00	0.00		
	Max. Compression	1	0.00	0.00	0.00		
	Max. Mx	19	4.14	0.01	0.00		
	Max. My	10	0.05	0.00	-0.00		
	Max. Vy	14	-0.01	0.00	0.00		
Bottom Girt	Max. Vx	10	0.00	0.00	0.00		
	Max Tension	8	0.09	0.00	0.00		
	Max. Compression	2	-0.06	0.00	0.00		
	Max. Mx	24	0.04	0.01	0.00		
	Max. My	10	-0.04	0.00	-0.00		
	Max. Vy	24	0.01	0.00	0.00		
Guy A	Max. Vx	10	0.00	0.00	0.00		
	Bottom Tension	21	10.61				

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	30 of 78
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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft		
T2	460 - 440	Guy B	Top Tension	8	12.10				
			Top Cable Vert	21	10.27				
			Top Cable Norm	21	6.41				
			Top Cable Tan	21	0.00				
			Bot Cable Vert	8	-8.03				
			Bot Cable Norm	8	6.93				
			Bot Cable Tan	8	0.00				
			Bottom Tension	25	10.62				
			Top Tension	12	12.16				
			Top Cable Vert	25	10.31				
			Top Cable Norm	25	6.44				
			Top Cable Tan	25	0.00				
			Bot Cable Vert	12	-8.05				
			Bot Cable Norm	12	6.94				
			Bot Cable Tan	12	0.00				
			Bottom Tension	17	10.69				
			Top Tension	4	12.17				
			Guy C	Top Cable Vert	17	10.32			
		Top Cable Norm		17	6.45				
		Top Cable Tan		17	0.00				
		Bot Cable Vert		4	-8.10				
		Bot Cable Norm		4	6.98				
		Bot Cable Tan		4	0.00				
		Leg		Max Tension	2	4.95	-0.02	-0.00	
				Max. Compression	4	-18.10	-0.03	-0.04	
				Max. Mx	22	-14.77	-0.06	-0.00	
				Max. My	23	-13.55	-0.03	0.05	
				Max. Vy	5	-0.70	-0.04	-0.03	
				Max. Vx	3	0.58	0.00	0.02	
				Diagonal	Max Tension	5	1.04	0.00	0.00
					Max. Compression	11	-1.10	0.00	0.00
					Max. Mx	23	0.17	0.02	0.00
					Max. My	10	0.02	0.00	-0.00
					Max. Vy	23	-0.02	0.00	0.00
					Max. Vx	10	0.00	0.00	0.00
			Horizontal	Max Tension	4	0.09	0.00	0.00	
				Max. Compression	10	-0.03	0.00	0.00	
				Max. Mx	24	0.06	0.01	0.00	
				Max. My	10	0.04	0.00	-0.00	
				Max. Vy	24	0.01	0.00	0.00	
				Max. Vx	10	0.00	0.00	0.00	
		Secondary Horizontal	Max Tension	23	0.00	-0.00	0.00		
Max. Compression	19		-0.00	-0.00	-0.00				
Max. Mx	18		-0.00	-0.00	-0.00				
Max. My	2		0.00	-0.00	0.00				
Max. Vy	18		0.01	-0.00	-0.00				
Max. Vx	2		-0.00	-0.00	0.00				
Top Girt	Max Tension		11	0.04	0.00	0.00			
	Max. Compression		5	-0.01	0.00	0.00			
	Max. Mx		24	0.02	0.01	0.00			
	Max. My		10	0.03	0.00	-0.00			
	Max. Vy		24	0.01	0.00	0.00			
	Max. Vx		10	0.00	0.00	0.00			
Bottom Girt	Max Tension		8	0.06	0.00	0.00			
	Max. Compression		2	-0.03	0.00	0.00			
	Max. Mx		25	0.04	0.01	0.00			
	Max. My		10	-0.02	0.00	-0.00			
	Max. Vy		25	0.01	0.00	0.00			
	Max. Vx		10	0.00	0.00	0.00			
T3	440 - 420	Leg	Max Tension	2	5.25	0.02	-0.01		

<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204</p> <p style="text-align: center;">Dallas, TX 75243</p> <p style="text-align: center;">Phone: 972-231-8893</p> <p style="text-align: center;">FAX: 866-364-8375</p>	<p>Job</p> <p style="text-align: center;">22-0511</p>	<p>Page</p> <p style="text-align: center;">31 of 78</p>
	<p>Project</p> <p style="text-align: center;">WXGI Tower</p>	<p>Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p>Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p>Designed by</p> <p style="text-align: center;">sPerabathula</p>

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T4	420 - 400	Diagonal	Max. Compression	4	-18.70	-0.02	-0.04
			Max. Mx	19	-14.93	0.07	-0.01
			Max. My	23	-14.17	-0.03	0.06
			Max. Vy	5	0.35	-0.02	0.01
			Max. Vx	4	-0.25	0.03	0.04
			Max Tension	10	1.46	0.00	0.00
			Max. Compression	6	-1.64	0.00	0.00
			Max. Mx	23	0.01	0.02	0.00
			Max. My	10	0.70	0.00	-0.00
			Max. Vy	23	-0.02	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Max Tension	5	0.42	0.00	0.00
			Max. Compression	11	-0.33	0.00	0.00
			Max. Mx	18	0.08	0.01	0.00
			Max. My	10	0.04	0.00	-0.00
			Max. Vy	18	-0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Max Tension	6	0.00	-0.00	-0.00
		Horizontal	Max. Compression	19	-0.00	-0.00	-0.00
			Max. Mx	18	-0.00	-0.00	0.00
			Max. My	2	0.00	-0.00	0.00
			Max. Vy	18	0.01	-0.00	0.00
			Max. Vx	2	-0.00	-0.00	0.00
			Max Tension	11	0.05	0.00	0.00
			Max. Compression	5	-0.02	0.00	0.00
			Max. Mx	25	0.03	0.01	0.00
			Max. My	10	0.00	0.00	-0.00
			Max. Vy	25	-0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Max Tension	5	0.08	0.00	0.00
			Max. Compression	11	-0.05	0.00	0.00
			Max. Mx	14	0.03	0.01	0.00
			Max. My	10	-0.02	0.00	-0.00
			Max. Vy	14	-0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Secondary Horizontal	Max Tension	10	1.68	-0.01
		Max. Compression		21	-16.99	0.07	-0.00
		Max. Mx		17	-15.36	-0.14	-0.00
		Max. My		23	-14.43	0.06	0.12
		Max. Vy		10	-0.52	0.06	-0.02
		Max. Vx		6	0.86	-0.03	-0.02
		Max Tension		10	2.19	0.00	0.00
Max. Compression	6	-2.30		0.00	0.00		
Max. Mx	25	0.32		0.02	0.00		
Max. My	10	0.78		0.00	-0.00		
Max. Vy	25	-0.02		0.00	0.00		
Max. Vx	10	0.00		0.00	0.00		
Max Tension	18	0.12		0.00	0.00		
Max. Compression	2	-0.03		0.00	0.00		
Max. Mx	14	0.06		0.01	0.00		
Max. My	10	0.05		0.00	-0.00		
Max. Vy	14	0.01		0.00	0.00		
Max. Vx	10	0.00		0.00	0.00		
Max Tension	6	0.00	-0.00	-0.00			
Top Girt	Max. Compression	11	-0.00	-0.00	-0.00		
	Max. Mx	18	0.00	-0.00	0.00		
	Max. My	2	-0.00	-0.00	0.00		
	Max. Vy	18	0.01	-0.00	0.00		
	Max. Vx	2	-0.00	-0.00	0.00		
	Max Tension	11	0.05	0.00	0.00		
Bottom Girt	Max. Compression	5	-0.02	0.00	0.00		
	Max. Mx	25	0.03	0.01	0.00		
	Max. My	10	0.00	0.00	-0.00		
	Max. Vy	25	-0.01	0.00	0.00		
	Max. Vx	10	0.00	0.00	0.00		
	Max Tension	5	0.08	0.00	0.00		
Leg	Max. Compression	11	-0.00	-0.00	-0.00		
	Max. Mx	18	0.00	-0.00	0.00		
	Max. My	2	-0.00	-0.00	0.00		
	Max. Vy	18	0.01	-0.00	0.00		
	Max. Vx	2	-0.00	0.00	0.00		

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
T5	400 - 380	Top Girt	Max Tension	11	0.14	0.00	0.00	
			Max. Compression	5	-0.10	0.00	0.00	
			Max. Mx	14	0.03	0.01	0.00	
			Max. My	10	0.01	0.00	-0.00	
			Max. Vy	14	0.01	0.00	0.00	
		Bottom Girt	Max. Vx	10	0.00	0.00	0.00	
			Max Tension	18	2.20	0.00	0.00	
			Max. Compression	1	0.00	0.00	0.00	
			Max. Mx	14	1.90	0.01	0.00	
			Max. My	10	1.06	0.00	-0.00	
		Leg	Max. Vy	21	0.01	0.00	0.00	
			Max. Vx	10	0.00	0.00	0.00	
			Max Tension	1	0.00	0.00	0.00	
			Max. Compression	21	-26.00	0.11	0.00	
			Max. Mx	17	-23.67	-0.14	-0.00	
			Max. My	23	-22.34	0.06	0.12	
			Max. Vy	4	-2.36	-0.13	0.04	
			Max. Vx	21	-2.51	0.07	-0.11	
			Diagonal	Max Tension	5	1.79	0.00	0.00
				Max. Compression	11	-1.89	0.00	0.00
		Max. Mx		25	-0.11	0.02	0.00	
		Max. My		10	0.50	0.00	-0.00	
		Max. Vy		25	-0.02	0.00	0.00	
		Horizontal	Max. Vx	10	0.00	0.00	0.00	
			Max Tension	4	0.12	0.00	0.00	
			Max. Compression	6	-0.02	0.00	0.00	
			Max. Mx	18	0.10	0.01	0.00	
			Max. My	10	0.06	0.00	-0.00	
		Secondary Horizontal	Max. Vy	18	-0.01	0.00	0.00	
			Max. Vx	10	0.00	0.00	0.00	
			Max Tension	5	0.00	-0.00	-0.00	
			Max. Compression	25	-0.00	-0.00	-0.00	
			Max. Mx	17	0.00	-0.00	-0.00	
		Top Girt	Max. My	2	0.00	-0.00	0.00	
			Max. Vy	17	0.01	-0.00	-0.00	
			Max. Vx	2	-0.00	-0.00	0.00	
			Max Tension	18	1.54	0.00	0.00	
			Max. Compression	1	0.00	0.00	0.00	
		Bottom Girt	Max. Mx	14	1.32	0.01	0.00	
			Max. My	10	0.87	0.00	-0.00	
Max. Vy	21		-0.01	0.00	0.00			
Max. Vx	10		0.00	0.00	0.00			
Max Tension	5		0.12	0.00	0.00			
Guy A	Max. Compression	11	-0.05	0.00	0.00			
	Max. Mx	26	0.04	0.01	0.00			
	Max. My	10	-0.05	0.00	-0.00			
	Max. Vy	26	-0.01	0.00	0.00			
	Max. Vx	10	0.00	0.00	0.00			
Guy B	Bottom Tension	21	8.37					
	Top Tension	8	10.27					
	Top Cable Vert	21	8.22					
	Top Cable Norm	21	6.15					
	Top Cable Tan	21	0.00					
	Bot Cable Vert	8	-5.86					
	Bot Cable Norm	8	5.98					
	Bot Cable Tan	8	0.00					
Guy B	Bottom Tension	25	8.37					
	Top Tension	12	10.28					
	Top Cable Vert	25	8.23					
	Top Cable Norm	25	6.16					

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
T6	380 - 360	Guy C	Top Cable Tan	25	0.00			
			Bot Cable Vert	12	-5.86			
			Bot Cable Norm	12	5.97			
			Bot Cable Tan	12	0.00			
			Bottom Tension	17	8.51			
			Top Tension	4	10.33			
			Top Cable Vert	17	8.26			
			Top Cable Norm	17	6.19			
			Top Cable Tan	17	0.00			
			Bot Cable Vert	4	-5.96			
			Bot Cable Norm	4	6.08			
			Bot Cable Tan	4	0.00			
			Max Tension	1	0.00	0.00	0.00	
			Max. Compression	17	-26.99	0.06	0.10	
			Max. Mx	20	-26.03	0.12	-0.00	
			Max. My	23	-24.85	-0.06	0.10	
		Max. Vy	5	-0.65	-0.06	-0.06		
		Max. Vx	5	0.47	-0.04	0.01		
		Diagonal	Max Tension	10	1.24	0.00	0.00	
			Max. Compression	6	-1.44	0.00	0.00	
			Max. Mx	21	-0.02	0.02	0.00	
			Max. My	10	0.61	0.00	-0.00	
			Max. Vy	21	-0.02	0.00	0.00	
			Max. Vx	10	0.00	0.00	0.00	
			Horizontal	Max Tension	4	0.14	0.00	0.00
				Max. Compression	10	-0.02	0.00	0.00
		Max. Mx		14	0.11	0.01	0.00	
		Max. My		10	0.07	0.00	-0.00	
		Max. Vy		14	-0.01	0.00	0.00	
		Max. Vx		10	0.00	0.00	0.00	
		Secondary Horizontal	Max Tension	17	0.00	-0.00	-0.00	
			Max. Compression	25	-0.00	-0.00	-0.00	
			Max. Mx	17	0.00	-0.00	-0.00	
			Max. My	2	0.00	-0.00	0.00	
			Max. Vy	17	0.01	-0.00	-0.00	
			Max. Vx	2	-0.00	-0.00	0.00	
			Top Girt	Max Tension	11	0.10	0.00	0.00
				Max. Compression	5	-0.05	0.00	0.00
				Max. Mx	26	0.05	0.01	0.00
				Max. My	10	0.05	0.00	-0.00
Max. Vy	26			-0.01	0.00	0.00		
Max. Vx	10			0.00	0.00	0.00		
Bottom Girt	Max Tension			5	0.09	0.00	0.00	
	Max. Compression			11	-0.04	0.00	0.00	
	Max. Mx	23	0.05	0.01	0.00			
	Max. My	3	0.05	0.00	0.00			
	Max. Vy	23	-0.01	0.00	0.00			
	Max. Vx	3	-0.00	0.00	0.00			
T7	360 - 340	Leg	Max Tension	1	0.00	0.00	0.00	
			Max. Compression	17	-27.01	-0.06	-0.10	
			Max. Mx	23	-25.43	-0.12	-0.00	
			Max. My	20	-22.54	-0.05	0.11	
		Diagonal	Max. Vy	10	-0.46	0.08	-0.03	
			Max. Vx	6	0.74	-0.05	0.01	
			Max Tension	10	2.01	0.00	0.00	
			Max. Compression	6	-2.13	0.00	0.00	
			Max. Mx	21	0.19	0.02	0.00	
			Max. My	4	-0.82	0.00	0.00	
			Max. Vy	21	-0.02	0.00	0.00	
			Max. Vx	4	-0.00	0.00	0.00	

<p>tnxTower</p> <p>ALL PRO Consulting Group, INC.</p> <p>9221 Lyndon B Johnson Freeway, Suite 204</p> <p>Dallas, TX 75243</p> <p>Phone: 972-231-8893</p> <p>FAX: 866-364-8375</p>	Job	22-0511	Page	34 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
T8	340 - 320	Horizontal	Max Tension	4	0.14	0.00	0.00	
			Max. Compression	10	-0.02	0.00	0.00	
			Max. Mx	23	0.12	0.01	0.00	
			Max. My	4	0.03	0.00	0.00	
			Max. Vy	23	0.01	0.00	0.00	
			Max. Vx	4	-0.00	0.00	0.00	
			Secondary Horizontal	Max Tension	17	0.00	-0.00	-0.00
				Max. Compression	25	-0.00	-0.00	-0.00
				Max. Mx	17	0.00	-0.00	-0.00
				Max. My	2	0.00	-0.00	0.00
				Max. Vy	17	0.01	-0.00	-0.00
				Max. Vx	2	-0.00	-0.00	0.00
			Top Girt	Max Tension	11	0.14	0.00	0.00
				Max. Compression	5	-0.08	0.00	0.00
		Max. Mx		23	0.06	0.01	0.00	
		Max. My		3	-0.04	0.00	0.00	
		Max. Vy		23	0.01	0.00	0.00	
		Bottom Girt	Max. Vx	3	-0.00	0.00	0.00	
			Max Tension	5	0.13	0.00	0.00	
			Max. Compression	11	-0.06	0.00	0.00	
			Max. Mx	17	0.07	0.01	0.00	
			Max. My	4	0.09	0.00	0.00	
		Leg	Max. Vy	17	0.01	0.00	0.00	
			Max. Vx	4	-0.00	0.00	0.00	
			Max Tension	7	2.58	-0.04	0.00	
			Max. Compression	6	-33.93	-0.06	0.08	
			Max. Mx	18	-24.19	-0.18	-0.03	
			Max. My	23	-24.32	0.05	0.18	
			Max. Vy	10	-0.72	0.09	-0.06	
			Max. Vx	6	1.10	-0.07	0.00	
			Diagonal	Max Tension	9	3.77	0.00	0.00
				Max. Compression	3	-4.06	0.00	0.00
				Max. Mx	17	0.61	0.02	0.00
				Max. My	4	-0.93	0.00	0.00
				Max. Vy	17	-0.02	0.00	0.00
			Horizontal	Max. Vx	4	-0.00	0.00	0.00
		Max Tension		12	0.55	0.00	0.00	
		Max. Compression		6	-0.42	0.00	0.00	
		Max. Mx		17	0.10	0.01	0.00	
		Max. My		4	0.02	0.00	0.00	
		Secondary Horizontal	Max. Vy	17	-0.01	0.00	0.00	
			Max. Vx	4	-0.00	0.00	0.00	
Max Tension	17		0.00	-0.00	-0.00			
Max. Compression	25		-0.00	-0.00	-0.00			
Max. Mx	17		0.00	-0.00	-0.00			
Top Girt	Max. My	8	-0.00	-0.00	0.00			
	Max. Vy	17	0.01	-0.00	-0.00			
	Max. Vx	8	-0.00	-0.00	0.00			
	Max Tension	11	0.17	0.00	0.00			
	Max. Compression	5	-0.12	0.00	0.00			
	Max. Mx	17	0.03	0.01	0.00			
	Max. My	4	-0.07	0.00	0.00			
	Max. Vy	17	-0.01	0.00	0.00			
	Max. Vx	4	-0.00	0.00	0.00			
	Bottom Girt	Max Tension	18	2.69	0.00	0.00		
Max. Compression		1	0.00	0.00	0.00			
Max. Mx		14	2.41	0.01	0.00			
Max. My		4	2.45	0.00	0.00			
Max. Vy		14	-0.01	0.00	0.00			

<p style="text-align: center;"><i>tnxTower</i></p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204</p> <p style="text-align: center;">Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	Job	22-0511	Page	35 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T9	320 - 300	Leg	Max. Vx	4	-0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	6	-36.09	-0.08	0.05
			Max. Mx	18	-31.88	-0.18	-0.03
			Max. My	23	-32.02	0.05	0.18
			Max. Vy	3	-2.70	-0.14	0.06
		Diagonal	Max. Vx	19	-2.97	0.12	-0.14
			Max Tension	2	1.79	0.00	0.00
			Max. Compression	2	-1.90	0.00	0.00
			Max. Mx	17	-0.11	0.02	0.00
			Max. My	4	-0.83	0.00	0.00
			Max. Vy	17	0.01	0.00	0.00
		Horizontal	Max. Vx	4	-0.00	0.00	0.00
			Max Tension	17	0.15	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	0.13	0.01	0.00
			Max. My	4	0.08	0.00	0.00
			Max. Vy	14	-0.01	0.00	0.00
		Secondary Horizontal	Max. Vx	4	-0.00	0.00	0.00
			Max Tension	17	0.00	-0.00	-0.00
			Max. Compression	25	-0.00	-0.00	-0.00
			Max. Mx	17	0.00	-0.00	-0.00
			Max. My	8	-0.00	-0.00	0.00
			Max. Vy	17	0.01	-0.00	-0.00
		Top Girt	Max. Vx	8	-0.00	-0.00	0.00
			Max Tension	18	1.88	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	1.62	0.01	0.00
			Max. My	4	1.78	0.00	0.00
			Max. Vy	14	-0.01	0.00	0.00
		Bottom Girt	Max. Vx	4	-0.00	0.00	0.00
			Max Tension	3	0.12	0.00	0.00
			Max. Compression	10	-0.05	0.00	0.00
			Max. Mx	14	0.06	0.01	0.00
			Max. My	4	0.06	0.00	0.00
			Max. Vy	14	-0.01	0.00	0.00
		Guy A	Max. Vx	4	-0.00	0.00	0.00
			Bottom Tension	21	9.15		
			Top Tension	21	10.86		
			Top Cable Vert	21	7.84		
			Top Cable Norm	21	7.51		
			Top Cable Tan	21	0.00		
Guy B	Bot Cable Vert	21	-5.04				
	Bot Cable Norm	21	7.64				
	Bot Cable Tan	21	0.00				
	Bottom Tension	25	9.17				
	Top Tension	25	10.88				
	Top Cable Vert	25	7.85				
Guy C	Top Cable Norm	25	7.53				
	Top Cable Tan	25	0.00				
	Bot Cable Vert	25	-5.05				
	Bot Cable Norm	25	7.65				
	Bot Cable Tan	25	0.00				
	Bottom Tension	17	9.33				
	Top Tension	4	10.96				
	Top Cable Vert	17	7.91				
	Top Cable Norm	17	7.60				
	Top Cable Tan	17	0.00				
	Bot Cable Vert	4	-5.80				
	Bot Cable Norm	4	7.30				

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	36 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T10	300 - 280	Leg	Bot Cable Tan	4	0.00		
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	15	-37.96	0.18	-0.01
			Max. Mx	16	-37.25	-0.18	0.00
			Max. My	18	-36.50	-0.08	0.16
			Max. Vy	10	0.70	-0.00	-0.09
		Diagonal	Max. Vx	2	0.76	-0.00	0.11
			Max Tension	9	2.24	0.00	0.00
			Max. Compression	4	-2.54	0.00	0.00
			Max. Mx	17	0.04	0.02	0.00
			Max. My	4	-0.91	0.00	0.00
			Max. Vy	17	-0.01	0.00	0.00
		Horizontal	Max. Vx	4	-0.00	0.00	0.00
			Max Tension	11	0.52	0.00	0.00
			Max. Compression	5	-0.36	0.00	0.00
			Max. Mx	25	0.13	0.01	0.00
			Max. My	4	-0.27	0.00	0.00
			Max. Vy	25	0.01	0.00	0.00
		Secondary Horizontal	Max. Vx	4	-0.00	0.00	0.00
			Max Tension	17	0.00	-0.00	-0.00
			Max. Compression	25	-0.00	-0.00	-0.00
			Max. Mx	17	0.00	-0.00	-0.00
			Max. My	8	-0.00	-0.00	0.00
			Max. Vy	17	0.01	-0.00	-0.00
		Top Girt	Max. Vx	8	-0.00	-0.00	0.00
			Max Tension	9	0.12	0.00	0.00
			Max. Compression	3	-0.04	0.00	0.00
			Max. Mx	14	0.06	0.01	0.00
			Max. My	4	-0.02	0.00	0.00
			Max. Vy	14	0.01	0.00	0.00
		Bottom Girt	Max. Vx	4	-0.00	0.00	0.00
			Max Tension	4	0.16	0.00	0.00
			Max. Compression	10	-0.08	0.00	0.00
Max. Mx	14		0.07	0.01	0.00		
Max. My	4		0.14	0.00	0.00		
Max. Vy	14		0.01	0.00	0.00		
T11	280 - 260	Leg	Max. Vx	4	-0.00	0.00	0.00
			Max Tension	4	4.64	0.02	0.06
			Max. Compression	15	-41.76	0.21	-0.00
			Max. Mx	15	-41.76	0.21	-0.00
			Max. My	18	-40.21	-0.09	0.19
			Max. Vy	4	0.84	0.04	0.07
		Diagonal	Max. Vx	3	-1.23	0.05	0.07
			Max Tension	9	3.07	0.00	0.00
			Max. Compression	3	-3.40	0.00	0.00
			Max. Mx	17	0.37	0.02	0.00
			Max. My	4	-1.80	0.00	0.00
			Max. Vy	17	0.01	0.00	0.00
		Horizontal	Max. Vx	4	-0.00	0.00	0.00
			Max Tension	18	0.15	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	17	0.14	0.01	0.00
			Max. My	4	0.10	0.00	0.00
			Max. Vy	17	0.01	0.00	0.00
		Secondary Horizontal	Max. Vx	4	-0.00	0.00	0.00
			Max Tension	17	0.00	-0.00	-0.00
			Max. Compression	25	-0.00	-0.00	-0.00
			Max. Mx	17	0.00	-0.00	-0.00
			Max. My	8	-0.00	-0.00	0.00

<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	Job	22-0511	Page	37 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T12	260 - 240	Top Girt	Max. Vy	17	0.01	-0.00	-0.00
			Max. Vx	8	-0.00	-0.00	0.00
			Max Tension	9	0.19	0.00	0.00
			Max. Compression	3	-0.11	0.00	0.00
			Max. Mx	14	0.07	0.01	0.00
			Max. My	4	-0.10	0.00	0.00
			Max. Vy	14	0.01	0.00	0.00
			Max. Vx	4	-0.00	0.00	0.00
			Max Tension	4	0.16	0.00	0.00
			Max. Compression	10	-0.06	0.00	0.00
			Max. Mx	17	0.11	0.01	0.00
			Max. My	4	0.13	0.00	0.00
		Bottom Girt	Max. Vy	17	0.01	0.00	0.00
			Max. Vx	4	-0.00	0.00	0.00
			Max Tension	4	0.16	0.00	0.00
			Max. Compression	10	-0.06	0.00	0.00
			Max. Mx	17	0.11	0.01	0.00
			Max. My	4	0.13	0.00	0.00
			Max. Vy	17	0.01	0.00	0.00
			Max. Vx	4	-0.00	0.00	0.00
			Max Tension	4	19.62	0.02	0.05
			Max. Compression	10	-54.51	0.16	-0.18
			Max. Mx	11	-17.66	0.42	-0.05
			Max. My	8	-36.53	-0.14	-0.39
		Leg	Max. Vy	3	1.11	0.04	0.13
			Max. Vx	3	-1.75	0.04	0.13
			Max Tension	9	3.99	0.00	0.00
			Max. Compression	3	-4.25	0.00	0.00
			Max. Mx	17	0.42	0.02	0.00
			Max. My	4	-1.99	0.00	0.00
			Max. Vy	17	-0.02	0.00	0.00
			Max. Vx	4	-0.00	0.00	0.00
			Max Tension	3	0.24	0.00	0.00
			Max. Compression	7	-0.09	0.00	0.00
			Max. Mx	18	0.19	0.01	0.00
			Max. My	4	0.09	0.00	0.00
		Diagonal	Max. Vy	18	0.01	0.00	0.00
			Max. Vx	4	-0.00	0.00	0.00
			Max Tension	17	0.01	0.00	0.00
			Max. Vx	4	-0.00	0.00	0.00
Max Tension	17		0.00	-0.00	0.00		
Max. Compression	25		-0.00	-0.00	-0.00		
Max. Mx	18		0.00	-0.00	0.00		
Max. My	7		-0.00	-0.00	-0.00		
Max. Vy	18		0.01	-0.00	0.00		
Max. Vx	7		0.00	0.00	0.00		
Max Tension	9		0.19	0.00	0.00		
Max. Compression	3		-0.11	0.00	0.00		
Horizontal	Max. Mx	17	0.06	0.01	0.00		
	Max. My	4	-0.10	0.00	0.00		
	Max. Vy	17	0.01	0.00	0.00		
	Max. Vx	4	-0.00	0.00	0.00		
	Max Tension	5	4.43	0.00	0.00		
	Max. Compression	11	-2.46	0.00	0.00		
	Max. Mx	21	1.56	0.01	0.00		
	Max. My	10	3.01	0.00	0.00		
	Max. Vy	21	0.01	0.00	0.00		
	Max. Vx	10	-0.00	0.00	0.00		
	Max Tension	4	19.42	-0.23	0.12		
	Max. Compression	15	-55.92	0.30	0.01		
Secondary Horizontal	Max. Mx	11	-16.06	0.42	-0.05		
	Max. My	8	-35.58	-0.14	-0.39		
	Max. Vy	5	-4.25	-0.33	0.00		
	Max. Vx	8	-4.11	-0.02	-0.26		
	Max Tension	13	4.39	0.00	0.00		
	Max. Compression	11	-8.52	0.00	0.00		
	Max. Mx	19	-0.10	0.02	0.00		
	Max. My	10	0.06	0.00	-0.00		
	Top Girt	Max. Vy	17	0.01	0.00	0.00	
		Max. Vx	4	-0.00	0.00	0.00	
		Max Tension	4	19.62	0.02	0.05	
		Max. Compression	10	-54.51	0.16	-0.18	
Max. Mx		11	-17.66	0.42	-0.05		
Max. My		8	-36.53	-0.14	-0.39		
Max. Vy		3	1.11	0.04	0.13		
Max. Vx		3	-1.75	0.04	0.13		
Max Tension		9	3.99	0.00	0.00		
Max. Compression		3	-4.25	0.00	0.00		
Max. Mx		17	0.42	0.02	0.00		
Max. My		4	-1.99	0.00	0.00		
Bottom Girt	Max. Vy	17	-0.02	0.00	0.00		
	Max. Vx	4	-0.00	0.00	0.00		
	Max Tension	3	0.24	0.00	0.00		
	Max. Compression	7	-0.09	0.00	0.00		
	Max. Mx	18	0.19	0.01	0.00		
	Max. My	4	0.09	0.00	0.00		
	Max. Vy	18	0.01	0.00	0.00		
	Max. Vx	4	-0.00	0.00	0.00		
	Max Tension	17	0.00	-0.00	0.00		
	Max. Compression	25	-0.00	-0.00	-0.00		
	Max. Mx	18	0.00	-0.00	0.00		
	Max. My	7	-0.00	-0.00	-0.00		
Leg	Max. Vy	18	0.01	-0.00	0.00		
	Max. Vx	7	0.00	0.00	0.00		
	Max Tension	9	0.19	0.00	0.00		
	Max. Compression	3	-0.11	0.00	0.00		
	Max. Mx	17	0.06	0.01	0.00		
	Max. My	4	-0.10	0.00	0.00		
	Max. Vy	17	0.01	0.00	0.00		
	Max. Vx	4	-0.00	0.00	0.00		
	Max Tension	5	4.43	0.00	0.00		
	Max. Compression	11	-2.46	0.00	0.00		
	Max. Mx	21	1.56	0.01	0.00		
	Max. My	10	3.01	0.00	0.00		
Diagonal	Max. Vy	21	0.01	0.00	0.00		
	Max. Vx	10	-0.00	0.00	0.00		
	Max Tension	4	19.42	-0.23	0.12		
	Max. Compression	15	-55.92	0.30	0.01		
	Max. Mx	11	-16.06	0.42	-0.05		
	Max. My	8	-35.58	-0.14	-0.39		
	Max. Vy	5	-4.25	-0.33	0.00		
	Max. Vx	8	-4.11	-0.02	-0.26		
	Max Tension	13	4.39	0.00	0.00		
	Max. Compression	11	-8.52	0.00	0.00		
	Max. Mx	19	-0.10	0.02	0.00		
	Max. My	10	0.06	0.00	-0.00		

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	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	19	-0.02	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
		Horizontal	Max Tension	2	1.25	0.00	0.00
			Max. Compression	4	-1.29	0.00	0.00
			Max. Mx	20	0.22	0.01	0.00
			Max. My	10	0.13	0.00	0.00
			Max. Vy	20	0.01	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
		Secondary Horizontal	Max Tension	23	0.00	-0.00	0.00
			Max. Compression	19	-0.00	-0.00	-0.00
			Max. Mx	18	0.00	-0.00	0.00
			Max. My	2	-0.00	-0.00	0.00
			Max. Vy	18	0.01	-0.00	0.00
			Max. Vx	2	-0.00	0.00	0.00
		Top Girt	Max Tension	5	4.23	0.00	0.00
			Max. Compression	11	-2.33	0.00	0.00
			Max. Mx	21	1.61	0.01	0.00
			Max. My	10	3.07	0.00	0.00
			Max. Vy	21	0.01	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
		Bottom Girt	Max Tension	12	0.24	0.00	0.00
			Max. Compression	6	-0.09	0.00	0.00
			Max. Mx	14	0.14	0.01	0.00
			Max. My	10	-0.07	0.00	0.00
			Max. Vy	14	0.01	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
		Guy A	Bottom Tension	8	8.91		
			Top Tension	8	9.04		
			Top Cable Vert	8	6.54		
			Top Cable Norm	8	6.23		
			Top Cable Tan	8	0.00		
			Bot Cable Vert	8	-6.18		
			Bot Cable Norm	8	6.42		
			Bot Cable Tan	8	0.00		
		Guy B	Bottom Tension	12	8.77		
			Top Tension	12	8.89		
			Top Cable Vert	12	6.44		
			Top Cable Norm	12	6.13		
			Top Cable Tan	12	0.00		
			Bot Cable Vert	12	-6.08		
		Guy C	Bot Cable Norm	12	6.32		
			Bot Cable Tan	12	0.00		
			Bottom Tension	4	9.10		
			Top Tension	4	9.22		
			Top Cable Vert	4	6.67		
			Top Cable Norm	4	6.37		
			Top Cable Tan	4	0.00		
			Bot Cable Vert	4	-6.32		
			Bot Cable Norm	4	6.55		
			Bot Cable Tan	4	0.00		
		Torque Arm Top	Max Tension	17	10.94	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	26	9.76	-0.04	0.00
			Max. My	10	8.81	0.00	-0.00
			Max. Vy	26	-0.04	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
		Torque Arm Bottom	Max Tension	1	0.00	0.00	0.00
			Max. Compression	25	-10.92	0.00	0.00
			Max. Mx	19	-8.70	-0.06	0.00
			Max. My	10	-1.68	0.00	0.00

<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204</p> <p style="text-align: center;">Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	Job	22-0511	Page	39 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T14	220 - 200	Leg	Max. Vy	19	0.04	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	19	-53.73	-0.16	0.28
			Max. Mx	11	-40.44	-0.64	-0.16
			Max. My	2	-36.42	-0.10	-0.69
		Diagonal	Max. Vy	5	-2.38	-0.18	-0.13
			Max. Vx	13	2.32	-0.02	0.22
			Max Tension	13	3.77	0.00	0.00
			Max. Compression	7	-4.06	0.00	0.00
			Max. Mx	19	-0.64	0.02	0.00
			Max. My	10	0.01	0.00	-0.00
		Horizontal	Max. Vy	19	-0.02	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	4	1.17	0.00	0.00
			Max. Compression	10	-0.86	0.00	0.00
			Max. Mx	14	0.28	0.01	0.00
			Max. My	10	0.18	0.00	0.00
		Secondary Horizontal	Max. Vy	14	-0.01	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	23	0.00	-0.00	0.00
			Max. Compression	19	-0.00	-0.00	-0.00
			Max. Mx	18	-0.00	-0.00	0.00
			Max. My	2	-0.00	-0.00	0.00
		Top Girt	Max. Vy	18	0.01	-0.00	0.00
			Max. Vx	2	-0.00	0.00	0.00
			Max Tension	16	0.14	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	0.13	0.01	0.00
			Max. My	10	0.10	0.00	0.00
		Bottom Girt	Max. Vy	14	-0.01	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
Max Tension	12		0.21	0.00	0.00		
Max. Compression	6		-0.03	0.00	0.00		
Max. Mx	23		0.16	0.01	0.00		
Max. My	10		0.01	0.00	0.00		
T15	200 - 180	Leg	Max. Vy	23	-0.01	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	19	-57.41	0.18	-0.32
			Max. Mx	15	-55.91	0.38	-0.01
			Max. My	19	-57.41	-0.19	0.34
		Diagonal	Max. Vy	12	-1.17	-0.11	-0.16
			Max. Vx	8	1.06	0.21	0.04
			Max Tension	9	3.12	0.00	0.00
			Max. Compression	3	-3.75	0.00	0.00
			Max. Mx	19	-0.97	0.02	0.00
			Max. My	10	-0.45	0.00	-0.00
		Horizontal	Max. Vy	19	-0.02	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	17	0.32	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	23	0.29	0.01	0.00
			Max. My	10	0.18	0.00	0.00
		Secondary Horizontal	Max. Vy	23	0.01	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	23	0.00	-0.00	0.00
			Max. Compression	19	-0.00	-0.00	-0.00
			Max. Mx	18	-0.00	-0.00	0.00

<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	Job	22-0511	Page	40 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
T16	180 - 160	Top Girt	Max. My	2	-0.00	-0.00	0.00	
			Max. Vy	18	0.01	-0.00	0.00	
			Max. Vx	2	-0.00	0.00	0.00	
			Max Tension	8	0.28	0.00	0.00	
			Max. Compression	2	-0.13	0.00	0.00	
			Max. Mx	23	0.14	0.01	0.00	
			Max. My	10	-0.10	0.00	0.00	
			Max. Vy	23	0.01	0.00	0.00	
			Max. Vx	10	-0.00	0.00	0.00	
			Max Tension	18	0.18	0.00	0.00	
			Max. Compression	1	0.00	0.00	0.00	
			Max. Mx	14	0.17	0.01	0.00	
		Bottom Girt	Max. My	5	0.12	0.00	-0.00	
			Max. Vy	14	-0.01	0.00	0.00	
			Max. Vx	5	0.00	0.00	0.00	
			Max Tension	12	7.90	0.05	-0.13	
			Max. Compression	19	-64.20	-0.14	0.17	
			Max. Mx	11	-35.51	0.65	0.01	
			Max. My	7	-36.60	-0.31	-0.58	
			Max. Vy	12	-2.07	0.03	-0.15	
			Max. Vx	3	-1.99	0.10	0.11	
			Max Tension	3	5.28	0.00	0.00	
			Max. Compression	9	-5.68	0.00	0.00	
			Max. Mx	19	-1.14	0.02	0.00	
		Diagonal	Max. My	4	-0.73	0.00	0.00	
			Max. Vy	19	-0.02	0.00	0.00	
			Max. Vx	4	-0.00	0.00	0.00	
			Max Tension	4	0.54	0.00	0.00	
			Max. Compression	10	-0.12	0.00	0.00	
			Max. Mx	15	0.40	0.01	0.00	
			Max. My	10	0.35	0.00	-0.00	
			Max. Vy	15	-0.01	0.00	0.00	
			Max. Vx	10	0.00	0.00	0.00	
			Max Tension	23	0.00	-0.00	0.00	
			Horizontal	Max. Compression	19	-0.00	-0.00	-0.00
				Max. Mx	19	-0.00	-0.00	0.00
		Max. My		2	-0.00	-0.00	0.00	
		Max. Vy		19	0.01	-0.00	0.00	
		Max. Vx		2	-0.00	0.00	0.00	
		Max Tension		8	0.22	0.00	0.00	
		Max. Compression		2	-0.03	0.00	0.00	
		Max. Mx		14	0.17	0.01	0.00	
Max. My	5	-0.01		0.00	-0.00			
Max. Vy	14	-0.01		0.00	0.00			
Max. Vx	5	0.00		0.00	0.00			
Max Tension	5	6.64		0.00	0.00			
Secondary Horizontal	Max. Compression	11	-4.17	0.00	0.00			
	Max. Mx	15	1.07	0.01	0.00			
	Max. My	10	5.11	0.00	0.00			
	Max. Vy	15	-0.01	0.00	0.00			
	Max. Vx	10	-0.00	0.00	0.00			
	Max Tension	12	10.55	0.19	0.23			
	Max. Compression	20	-75.79	0.55	-0.02			
	Max. Mx	11	-33.88	0.65	0.01			
	Max. My	7	-34.78	-0.31	-0.58			
	Max. Vy	5	-6.73	-0.43	-0.05			
	Max. Vx	8	-5.79	0.07	-0.37			
	Max Tension	3	10.79	0.00	0.00			
Leg	Max. Compression	3	-12.04	0.00	0.00			
	Max. Mx	19	1.15	0.02	0.00			
T17	160 - 140	Diagonal	Max. My	10	-0.00	0.00	0.00	
			Max. Vy	15	-0.01	0.00	0.00	
			Max. Vx	10	-0.00	0.00	0.00	
			Max Tension	3	10.79	0.00	0.00	
			Max. Compression	3	-12.04	0.00	0.00	
			Max. Mx	19	1.15	0.02	0.00	

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	41 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	4	-1.32	0.00	0.00
			Max. Vy	19	-0.02	0.00	0.00
			Max. Vx	4	-0.00	0.00	0.00
		Horizontal	Max Tension	11	3.25	0.00	0.00
			Max. Compression	6	-2.88	0.00	0.00
			Max. Mx	15	0.41	0.01	0.00
			Max. My	5	0.26	0.00	0.00
			Max. Vy	15	-0.01	0.00	0.00
			Max. Vx	5	-0.00	0.00	0.00
		Secondary Horizontal	Max Tension	24	0.00	-0.00	-0.00
			Max. Compression	19	-0.00	-0.00	-0.00
			Max. Mx	19	-0.00	-0.00	0.00
			Max. My	2	-0.00	-0.00	0.00
			Max. Vy	19	0.01	-0.00	0.00
			Max. Vx	2	-0.00	0.00	0.00
		Top Girt	Max Tension	5	6.48	0.00	0.00
			Max. Compression	11	-4.06	0.00	0.00
			Max. Mx	15	1.14	0.01	0.00
			Max. My	10	5.06	0.00	0.00
			Max. Vy	15	-0.01	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
		Bottom Girt	Max Tension	11	0.31	0.00	0.00
			Max. Compression	2	-0.06	0.00	0.00
			Max. Mx	14	0.24	0.01	0.00
			Max. My	18	0.26	0.00	0.00
			Max. Vy	14	-0.01	0.00	0.00
			Max. Vx	18	-0.00	0.00	0.00
		Guy A	Bottom Tension	7	11.69		
			Top Tension	7	11.78		
			Top Cable Vert	7	6.66		
			Top Cable Norm	7	9.71		
			Top Cable Tan	7	0.03		
			Bot Cable Vert	7	-6.40		
			Bot Cable Norm	7	9.79		
			Bot Cable Tan	7	0.11		
		Guy B	Bottom Tension	11	11.71		
			Top Tension	11	11.80		
			Top Cable Vert	11	6.67		
			Top Cable Norm	11	9.73		
			Top Cable Tan	11	0.03		
			Bot Cable Vert	11	-6.41		
			Bot Cable Norm	11	9.80		
			Bot Cable Tan	11	0.11		
		Guy C	Bottom Tension	4	11.82		
			Top Tension	4	11.90		
			Top Cable Vert	4	6.73		
			Top Cable Norm	4	9.81		
			Top Cable Tan	4	0.00		
			Bot Cable Vert	4	-6.47		
			Bot Cable Norm	4	9.89		
			Bot Cable Tan	4	0.00		
		Torque Arm Top	Max Tension	5	13.10	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	19	10.04	-0.04	0.00
			Max. My	10	10.61	0.00	-0.00
			Max. Vy	19	-0.04	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
		Torque Arm Bottom	Max Tension	10	3.23	0.00	0.00
			Max. Compression	9	-13.84	0.00	0.00
			Max. Mx	19	-6.53	-0.05	0.00

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	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T18	140 - 120	Leg	Max. My	4	-12.06	0.00	-0.00
			Max. Vy	19	0.04	0.00	0.00
			Max. Vx	4	0.00	0.00	0.00
			Max Tension	6	25.91	0.17	-0.06
			Max. Compression	21	-85.16	0.58	0.01
			Max. Mx	23	-81.30	-0.59	-0.01
			Max. My	19	-79.96	0.28	0.52
			Max. Vy	6	-3.45	-0.19	-0.28
			Max. Vx	9	-3.69	0.39	-0.08
		Diagonal	Max Tension	9	6.10	0.00	0.00
			Max. Compression	3	-6.88	0.00	0.00
			Max. Mx	19	0.12	0.02	0.00
			Max. My	4	0.44	0.00	0.00
			Max. Vy	19	-0.01	0.00	0.00
			Max. Vx	4	-0.00	0.00	0.00
			Max Tension	4	1.17	0.00	0.00
			Max. Compression	10	-0.71	0.00	0.00
			Max. Mx	24	0.49	0.01	0.00
		Horizontal	Max. My	4	0.40	0.00	0.00
			Max. Vy	24	0.01	0.00	0.00
			Max. Vx	4	-0.00	0.00	0.00
			Max Tension	24	0.00	-0.00	-0.00
			Max. Compression	19	-0.00	-0.00	-0.00
			Max. Mx	19	-0.00	-0.00	0.00
			Max. My	2	0.00	-0.00	0.00
			Max. Vy	19	0.01	-0.00	0.00
			Max. Vx	2	-0.00	-0.00	0.00
		Top Girt	Max Tension	15	0.25	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	0.23	0.01	0.00
			Max. My	18	0.23	0.00	0.00
			Max. Vy	14	0.01	0.00	0.00
			Max. Vx	18	0.00	0.00	0.00
Max Tension	21		0.27	0.00	0.00		
Max. Compression	1		0.00	0.00	0.00		
Max. Mx	24		0.27	0.01	0.00		
Bottom Girt	Max. My	3	0.05	0.00	0.00		
	Max. Vy	24	0.01	0.00	0.00		
	Max. Vx	3	-0.00	0.00	0.00		
	Max Tension	6	23.66	0.01	0.19		
	Max. Compression	21	-86.41	-0.59	0.01		
	Max. Mx	19	-83.21	0.61	-0.02		
	Max. My	19	-82.11	0.29	0.53		
	Max. Vy	4	1.20	-0.18	-0.32		
	Max. Vx	8	1.19	-0.08	0.22		
Diagonal	Max Tension	13	3.13	0.00	0.00		
	Max. Compression	7	-3.98	0.00	0.00		
	Max. Mx	19	-0.56	0.02	0.00		
	Max. My	4	0.10	0.00	0.00		
	Max. Vy	19	0.01	0.00	0.00		
	Max. Vx	4	-0.00	0.00	0.00		
	Max Tension	21	0.55	0.00	0.00		
	Max. Compression	1	0.00	0.00	0.00		
	Max. Mx	18	0.51	0.01	0.00		
Horizontal	Max. My	10	0.29	0.00	-0.00		
	Max. Vy	18	0.01	0.00	0.00		
	Max. Vx	10	0.00	0.00	0.00		
	Max Tension	5	0.00	-0.00	-0.00		
	Max. Compression	19	-0.00	-0.00	-0.00		
	Max. Mx	18	0.51	0.01	0.00		
	Max. My	10	0.29	0.00	-0.00		
	Max. Vy	18	0.01	0.00	0.00		
	Max. Vx	10	0.00	0.00	0.00		
Secondary Horizontal	Max Tension	5	0.00	-0.00	-0.00		
	Max. Compression	19	-0.00	-0.00	-0.00		

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	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T20	100 - 80	Top Girt	Max. Mx	17	0.00	-0.00	0.00
			Max. My	2	0.00	-0.00	0.00
			Max. Vy	17	0.01	-0.00	0.00
			Max. Vx	2	-0.00	-0.00	0.00
			Max Tension	17	0.26	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	24	0.26	0.01	0.00
			Max. My	3	0.06	0.00	0.00
			Max. Vy	24	0.01	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
			Max Tension	21	0.26	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
		Bottom Girt	Max. Mx	19	0.26	0.01	0.00
			Max. My	3	0.10	0.00	0.00
			Max. Vy	19	0.01	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
			Max Tension	6	7.31	-0.00	0.25
			Max. Compression	21	-86.52	0.59	0.01
			Max. Mx	19	-83.24	0.61	-0.01
			Max. My	24	-82.18	-0.14	0.57
			Max. Vy	5	2.17	-0.16	-0.30
			Max. Vx	7	2.07	-0.10	0.13
			Max Tension	7	4.43	0.00	0.00
			Max. Compression	7	-5.26	0.00	0.00
		Diagonal	Max. Mx	26	-0.01	0.01	0.00
			Max. My	10	-0.59	0.00	-0.00
			Max. Vy	26	-0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Max Tension	22	0.55	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	0.53	0.01	0.00
			Max. My	10	0.29	0.00	-0.00
			Max. Vy	14	0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Max Tension	5	0.00	-0.00	-0.00
			Max. Compression	11	-0.00	-0.00	-0.00
		Horizontal	Max. Mx	15	0.00	-0.00	0.00
			Max. My	2	0.00	-0.00	0.00
			Max. Vy	15	0.01	-0.00	0.00
			Max. Vx	2	-0.00	-0.00	0.00
			Max Tension	21	0.27	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
Max. Mx	19		0.26	0.01	0.00		
Max. My	3		0.04	0.00	0.00		
Max. Vy	19		0.01	0.00	0.00		
Max. Vx	3		-0.00	0.00	0.00		
Max Tension	5		2.99	0.00	0.00		
Max. Compression	1		0.00	0.00	0.00		
Secondary Horizontal	Max. Mx	14	1.91	0.01	0.00		
	Max. My	3	2.67	0.00	0.00		
	Max. Vy	14	0.01	0.00	0.00		
	Max. Vx	3	-0.00	0.00	0.00		
	Max Tension	1	0.00	0.00	0.00		
	Max. Compression	21	-90.56	0.63	0.00		
	Max. Mx	19	-87.78	0.65	-0.01		
	Max. My	19	-87.53	0.32	0.57		
	Max. Vy	11	3.58	0.15	0.34		
	Max. Vx	7	-4.25	0.22	-0.31		
	Max Tension	9	2.34	0.00	0.00		
	Max. Compression	3	-3.16	0.00	0.00		
Top Girt	80 - 60	Leg	Max. Mx	19	0.00	0.00	0.00
			Max. My	19	0.00	0.00	0.00
			Max. Vy	11	3.58	0.15	0.34
			Max. Vx	7	-4.25	0.22	-0.31
			Max Tension	9	2.34	0.00	0.00
			Max. Compression	3	-3.16	0.00	0.00
		Diagonal	Max. Mx	14	1.91	0.01	0.00
			Max. My	3	2.67	0.00	0.00
			Max. Vy	14	0.01	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
			Max Tension	5	2.99	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	44 of 78
	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	18	-1.01	0.01	0.00
			Max. My	10	-0.65	0.00	-0.00
			Max. Vy	18	0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
		Horizontal	Max Tension	21	0.57	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	23	0.48	0.01	0.00
			Max. My	10	0.30	0.00	-0.00
			Max. Vy	23	0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
		Secondary Horizontal	Max Tension	18	0.00	-0.00	-0.00
			Max. Compression	24	-0.00	-0.00	-0.00
			Max. Mx	15	0.00	-0.00	0.00
			Max. My	2	0.00	-0.00	0.00
			Max. Vy	15	0.01	-0.00	0.00
			Max. Vx	2	-0.00	-0.00	0.00
		Top Girt	Max Tension	5	2.69	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	1.65	0.01	0.00
			Max. My	3	2.46	0.00	0.00
			Max. Vy	14	0.01	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Bottom Girt	Max Tension	25	0.28	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	23	0.27	0.01	0.00
			Max. My	10	0.09	0.00	-0.00
			Max. Vy	23	0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
		Guy A	Bottom Tension	7	9.61		
			Top Tension	7	9.64		
			Top Cable Vert	7	3.12		
			Top Cable Norm	7	9.12		
			Top Cable Tan	7	0.01		
			Bot Cable Vert	7	-2.98		
			Bot Cable Norm	7	9.13		
			Bot Cable Tan	7	0.07		
		Guy B	Bottom Tension	13	9.58		
			Top Tension	13	9.61		
			Top Cable Vert	13	3.11		
			Top Cable Norm	13	9.09		
			Top Cable Tan	13	0.01		
			Bot Cable Vert	13	-2.97		
			Bot Cable Norm	13	9.10		
			Bot Cable Tan	13	0.07		
		Guy C	Bottom Tension	5	9.62		
			Top Tension	5	9.65		
			Top Cable Vert	5	3.13		
			Top Cable Norm	5	9.13		
			Top Cable Tan	5	0.01		
			Bot Cable Vert	5	-2.99		
			Bot Cable Norm	5	9.14		
			Bot Cable Tan	5	0.07		
T22	60 - 40	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	21	-92.83	0.64	0.01
			Max. Mx	19	-90.07	0.66	-0.02
			Max. My	19	-89.52	0.32	0.58
			Max. Vy	12	0.93	-0.13	-0.23
			Max. Vx	8	-0.79	0.33	-0.02
		Diagonal	Max Tension	8	0.83	0.00	0.00
			Max. Compression	12	-1.78	0.00	0.00

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	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T23	40 - 20	Horizontal	Max. Mx	18	-0.52	0.01	0.00
			Max. My	10	-0.35	0.00	-0.00
			Max. Vy	18	-0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Max Tension	17	0.58	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	23	0.54	0.01	0.00
			Max. My	10	0.31	0.00	-0.00
			Max. Vy	21	-0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Max Tension	18	0.00	-0.00	-0.00
			Max. Compression	24	-0.00	-0.00	-0.00
		Secondary Horizontal	Max. Mx	15	0.00	-0.00	0.00
			Max. My	2	0.00	-0.00	0.00
			Max. Vy	15	0.01	-0.00	0.00
			Max. Vx	2	-0.00	-0.00	0.00
			Max Tension	21	0.27	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	23	0.26	0.01	0.00
			Max. My	10	0.11	0.00	-0.00
			Max. Vy	23	-0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Max Tension	25	0.28	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
		Top Girt	Max. Mx	14	0.26	0.01	0.00
			Max. My	10	0.10	0.00	-0.00
			Max. Vy	14	-0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	21	-93.38	0.64	0.00
			Max. Mx	19	-90.04	0.67	-0.01
			Max. My	19	-89.63	0.33	0.58
			Max. Vy	22	-0.40	0.66	0.01
			Max. Vx	5	0.39	-0.12	0.19
			Max Tension	10	1.59	0.00	0.00
			Max. Compression	2	-2.37	0.00	0.00
		Bottom Girt	Max. Mx	18	-0.07	0.01	0.00
			Max. My	10	-0.05	0.00	-0.00
			Max. Vy	18	0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00
			Max Tension	17	0.58	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
Max. Mx	15		0.55	0.01	0.00		
Max. My	10		0.33	0.00	-0.00		
Max. Vy	15		0.01	0.00	0.00		
Max. Vx	10		0.00	0.00	0.00		
Max Tension	18		0.00	-0.00	-0.00		
Max. Compression	24		-0.00	-0.00	-0.00		
Leg	Max. Mx	15	0.00	-0.00	0.00		
	Max. My	2	0.00	-0.00	0.00		
	Max. Vy	15	0.00	-0.00	0.00		
	Max. Vx	2	-0.00	-0.00	0.00		
	Max Tension	21	0.29	0.00	0.00		
	Max. Compression	1	0.00	0.00	0.00		
	Max. Mx	14	0.26	0.01	0.00		
	Max. My	10	0.10	0.00	-0.00		
	Max. Vy	14	0.01	0.00	0.00		
	Max. Vx	10	0.00	0.00	0.00		
	Max Tension	18	0.27	0.00	0.00		

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	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
T24	20 - 6.6667	Leg	Max. Compression	1	0.00	0.00	0.00	
			Max. Mx	15	0.27	0.01	0.00	
			Max. My	3	0.15	0.00	0.00	
			Max. Vy	15	0.01	0.00	0.00	
			Max. Vx	3	-0.00	0.00	0.00	
			Max Tension	1	0.00	0.00	0.00	
			Max. Compression	21	-91.65	0.65	-0.01	
			Max. Mx	17	-88.60	-0.74	-0.20	
			Max. My	15	-87.85	0.16	0.73	
			Max. Vy	6	1.16	-0.16	-0.29	
			Max. Vx	10	1.19	0.33	-0.01	
			Max Tension	10	2.66	0.00	0.00	
		Diagonal	Max. Compression	2	-3.26	0.00	0.00	
			Max. Mx	18	0.12	0.01	0.00	
			Max. My	10	0.55	0.00	-0.00	
			Max. Vy	18	-0.01	0.00	0.00	
			Max. Vx	10	0.00	0.00	0.00	
			Max Tension	17	0.65	0.00	0.00	
			Horizontal	Max. Compression	1	0.00	0.00	0.00
				Max. Mx	21	0.42	0.01	0.00
				Max. My	10	0.17	0.00	-0.00
				Max. Vy	21	-0.01	0.00	0.00
				Max. Vx	10	0.00	0.00	0.00
				Max Tension	18	0.00	-0.00	-0.00
		Secondary Horizontal		Max. Compression	24	-0.00	-0.00	-0.00
				Max. Mx	15	0.00	-0.00	0.00
				Max. My	2	0.00	-0.00	0.00
				Max. Vy	15	0.00	-0.00	0.00
				Max. Vx	2	-0.00	-0.00	0.00
				Max Tension	21	0.29	0.00	0.00
Top Girt	Max. Compression		1	0.00	0.00	0.00		
	Max. Mx		15	0.26	0.01	0.00		
	Max. My		3	0.08	0.00	0.00		
	Max. Vy		15	-0.01	0.00	0.00		
	Max. Vx		3	-0.00	0.00	0.00		
	Max Tension		18	7.31	0.00	0.00		
	Bottom Girt	Max. Compression	1	0.00	0.00	0.00		
		Max. Mx	15	7.28	0.01	0.00		
		Max. My	10	3.64	0.00	-0.00		
		Max. Vy	15	-0.01	0.00	0.00		
		Max. Vx	10	0.00	0.00	0.00		
		Max Tension	1	0.00	0.00	0.00		
Leg		Max. Compression	20	-92.64	-0.08	0.59		
		Max. Mx	19	-88.79	0.54	0.46		
		Max. My	10	-35.50	-0.03	1.19		
		Max. Vy	15	10.42	-0.35	0.50		
		Max. Vx	2	0.48	-0.25	0.45		
		Max Tension	4	0.49	0.00	0.00		
	Diagonal	Max. Compression	10	-1.61	0.00	0.00		
		Max. Mx	19	-0.91	0.01	0.00		
		Max. My	2	-0.03	0.00	0.00		
		Max. Vy	19	-0.01	0.00	0.00		
		Max. Vx	2	0.00	0.00	0.00		
		Max Tension	8	0.57	0.00	0.00		
Horizontal		Max. Compression	4	-0.18	0.00	0.00		
		Max. Mx	21	0.34	0.00	0.00		
		Max. My	10	0.54	0.00	-0.00		
		Max. Vy	21	-0.00	0.00	0.00		
		Max. Vx	10	0.00	0.00	0.00		
		Max Tension	6	0.00	-0.00	-0.00		
	Secondary	Max. Compression	1	0.00	0.00	0.00		
		Max. Mx	15	0.26	0.01	0.00		
		Max. My	3	0.08	0.00	0.00		
		Max. Vy	15	-0.01	0.00	0.00		
		Max. Vx	3	-0.00	0.00	0.00		
		Max Tension	21	0.29	0.00	0.00		
Top Girt		Max. Compression	1	0.00	0.00	0.00		
		Max. Mx	15	0.26	0.01	0.00		
		Max. My	3	0.08	0.00	0.00		
		Max. Vy	15	-0.01	0.00	0.00		
		Max. Vx	3	-0.00	0.00	0.00		
		Max Tension	18	7.31	0.00	0.00		
	Bottom Girt	Max. Compression	1	0.00	0.00	0.00		
		Max. Mx	15	7.28	0.01	0.00		
		Max. My	10	3.64	0.00	-0.00		
		Max. Vy	15	-0.01	0.00	0.00		
		Max. Vx	10	0.00	0.00	0.00		
		Max Tension	1	0.00	0.00	0.00		

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	Project	WXGI Tower	Date	11:19:25 07/05/22
	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
		Horizontal	Max. Compression	11	-0.00	-0.00	-0.00
			Max. Mx	15	-0.00	-0.00	0.00
			Max. My	2	-0.00	-0.00	0.00
			Max. Vy	15	0.00	-0.00	0.00
			Max. Vx	2	-0.00	0.00	0.00
		Top Girt	Max Tension	18	6.49	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	15	6.41	0.01	0.00
			Max. My	10	3.24	0.00	-0.00
			Max. Vy	15	-0.01	0.00	0.00
			Max. Vx	10	0.00	0.00	0.00

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K	
Mast	Max. Vert	15	262.99	-0.07	-0.25	
	Max. H _x	12	124.11	0.96	0.55	
	Max. H _z	2	129.11	-0.01	0.73	
	Max. M _x	1	0.00	-0.01	-0.01	
	Max. M _z	1	0.00	-0.01	-0.01	
	Max. Torsion	4	1.11	-0.93	0.52	
	Min. Vert	1	79.99	-0.01	-0.01	
	Min. H _x	4	124.26	-0.93	0.52	
	Min. H _z	8	123.88	-0.01	-1.05	
	Min. M _x	1	0.00	-0.01	-0.01	
	Min. M _z	1	0.00	-0.01	-0.01	
	Min. Torsion	10	-0.99	0.62	-0.37	
	Guy C @ 380 ft Elev 0 ft Azimuth 240 deg	Max. Vert	10	-2.87	-1.71	0.99
		Max. H _x	10	-2.87	-1.71	0.99
Max. H _z		16	-16.60	-17.70	10.59	
Min. Vert		4	-19.86	-17.63	10.18	
Min. H _x		17	-16.84	-18.08	10.44	
Min. H _z		10	-2.87	-1.71	0.99	
Guy B @ 380 ft Elev 0 ft Azimuth 120 deg	Max. Vert	6	-2.90	1.74	1.00	
	Max. H _x	25	-16.75	17.99	10.39	
	Max. H _z	26	-16.51	17.61	10.54	
	Min. Vert	12	-19.55	17.35	10.02	
	Min. H _x	6	-2.90	1.74	1.00	
	Min. H _z	6	-2.90	1.74	1.00	
Guy A @ 380 ft Elev 0 ft Azimuth 0 deg	Max. Vert	2	-2.85	-0.00	-1.96	
	Max. H _x	11	-11.30	1.41	-11.08	
	Max. H _z	2	-2.85	-0.00	-1.96	
	Min. Vert	8	-19.55	0.00	-20.03	
	Min. H _x	5	-11.31	-1.41	-11.09	
	Min. H _z	21	-16.68	0.00	-20.71	
	Guy C @ 240 ft Elev 0 ft Azimuth 240 deg	Max. Vert	10	-0.97	-0.80	0.46

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	<p>Project</p> <p style="text-align: center;">WXGI Tower</p>	<p>Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p>Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p>Designed by</p> <p style="text-align: center;">sPerabathula</p>

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Guy B @ 240 ft Elev 0 ft Azimuth 120 deg	Max. H _x	10	-0.97	-0.80	0.46
	Max. H _z	3	-26.56	-33.74	20.11
	Min. Vert	4	-27.28	-34.66	20.04
	Min. H _x	5	-27.27	-35.43	19.85
	Min. H _z	10	-0.97	-0.80	0.46
	Max. Vert	6	-0.97	0.80	0.46
Guy A @ 240 ft Elev 0 ft Azimuth 0 deg	Max. H _x	11	-27.12	35.24	19.75
	Max. H _z	13	-27.04	34.67	20.63
	Min. Vert	12	-27.39	34.96	20.19
	Min. H _x	6	-0.97	0.80	0.46
	Min. H _z	6	-0.97	0.80	0.46
	Max. Vert	2	-0.96	-0.00	-0.92
	Max. H _x	11	-14.78	1.19	-21.52
	Max. H _z	2	-0.96	-0.00	-0.92
	Min. Vert	8	-27.08	0.02	-39.81
	Min. H _x	5	-14.84	-1.20	-21.62
	Min. H _z	7	-27.01	-0.53	-40.32

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	79.99	0.01	0.01	0.00	0.00	0.01
1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy	129.11	0.01	-0.73	0.00	0.00	-0.80
1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy	127.82	0.54	-0.57	0.00	0.00	-0.90
1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy	124.26	0.93	-0.52	0.00	0.00	-1.11
1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy	128.77	0.92	-0.17	0.00	0.00	-0.77
1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy	129.03	0.40	0.40	0.00	0.00	-0.16
1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy	128.00	0.31	0.87	0.00	0.00	0.48
1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy	123.88	0.01	1.05	0.00	0.00	0.91
1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy	127.39	-0.23	0.74	0.00	0.00	0.92
1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy	128.85	-0.62	0.37	0.00	0.00	0.99
1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy	128.39	-0.89	-0.17	0.00	0.00	0.80
1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy	124.11	-0.96	-0.55	0.00	0.00	0.23
1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy	128.04	-0.59	-0.68	0.00	0.00	-0.46
1.2 Dead+1.0 Ice+1.0 Temp+Guy	261.13	0.06	0.02	0.00	0.00	0.03
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy	262.99	0.07	0.25	0.00	0.00	-0.12
1.2 Dead+1.0 Wind 30 deg+1.0	262.10	-0.01	0.19	0.00	0.00	-0.14

<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	<p style="text-align: center;">Job</p> <p style="text-align: center;">22-0511</p>	<p style="text-align: center;">Page</p> <p style="text-align: center;">49 of 78</p>
	<p style="text-align: center;">Project</p> <p style="text-align: center;">WXGI Tower</p>	<p style="text-align: center;">Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p style="text-align: center;">Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">sPerabathula</p>

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturing Moment, M _x kip-ft	Overturing Moment, M _z kip-ft	Torque kip-ft
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 60 deg+1.0	261.25	-0.08	0.10	0.00	0.00	-0.17
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 90 deg+1.0	262.12	-0.13	-0.01	0.00	0.00	-0.14
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 120	262.98	-0.13	-0.10	0.00	0.00	-0.02
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 150	262.09	-0.05	-0.14	0.00	0.00	0.13
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 180	261.22	0.07	-0.15	0.00	0.00	0.19
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 210	262.08	0.18	-0.13	0.00	0.00	0.21
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 240	262.98	0.26	-0.09	0.00	0.00	0.23
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 270	262.10	0.26	0.00	0.00	0.00	0.20
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 300	261.24	0.21	0.11	0.00	0.00	0.07
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 330	262.09	0.14	0.20	0.00	0.00	-0.07
deg+1.0 Ice+1.0 Temp+1.0 Guy						
Dead+Wind 0 deg - Service+Guy	82.84	0.01	-0.45	0.00	0.00	-0.23
Dead+Wind 30 deg - Service+Guy	83.16	0.21	-0.35	0.00	0.00	-0.25
Dead+Wind 60 deg - Service+Guy	83.65	0.38	-0.21	0.00	0.00	-0.28
Dead+Wind 90 deg - Service+Guy	83.23	0.48	0.02	0.00	0.00	-0.22
Dead+Wind 120 deg - Service+Guy	82.89	0.42	0.24	0.00	0.00	-0.05
Dead+Wind 150 deg - Service+Guy	83.21	0.25	0.40	0.00	0.00	0.14
Dead+Wind 180 deg - Service+Guy	83.62	0.01	0.43	0.00	0.00	0.24
Dead+Wind 210 deg - Service+Guy	83.15	-0.20	0.35	0.00	0.00	0.26
Dead+Wind 240 deg - Service+Guy	82.84	-0.38	0.23	0.00	0.00	0.29
Dead+Wind 270 deg - Service+Guy	83.22	-0.45	0.02	0.00	0.00	0.23
Dead+Wind 300 deg - Service+Guy	83.64	-0.38	-0.22	0.00	0.00	0.06
Dead+Wind 330 deg - Service+Guy	83.21	-0.21	-0.40	0.00	0.00	-0.13
1.2 Dead+1.0 Ev+1.0 Eh 0 deg+1.0 Guy	89.56	0.01	0.01	0.00	0.00	0.01
1.2 Dead+1.0 Ev+1.0 Eh 30 deg+1.0 Guy	89.56	0.01	0.01	0.00	0.00	0.01
1.2 Dead+1.0 Ev+1.0 Eh 60 deg+1.0 Guy	89.56	0.01	0.01	0.00	0.00	0.01
1.2 Dead+1.0 Ev+1.0 Eh 90 deg+1.0 Guy	89.56	0.01	0.01	0.00	0.00	0.01
1.2 Dead+1.0 Ev+1.0 Eh 120 deg+1.0 Guy	89.56	0.01	0.00	0.00	0.00	0.01
1.2 Dead+1.0 Ev+1.0 Eh 150 deg+1.0 Guy	89.56	0.01	0.00	0.00	0.00	0.01
1.2 Dead+1.0 Ev+1.0 Eh 180 deg+1.0 Guy	89.56	0.01	0.00	0.00	0.00	0.01
1.2 Dead+1.0 Ev+1.0 Eh 210 deg+1.0 Guy	89.56	0.01	0.00	0.00	0.00	0.01

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	50 of 78
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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
1.2 Dead+1.0 Ev+1.0 Eh 240 deg+1.0 Guy	89.56	0.02	0.00	0.00	0.00	0.01
1.2 Dead+1.0 Ev+1.0 Eh 270 deg+1.0 Guy	89.56	0.02	0.01	0.00	0.00	0.01
1.2 Dead+1.0 Ev+1.0 Eh 300 deg+1.0 Guy	89.56	0.02	0.01	0.00	0.00	0.01
1.2 Dead+1.0 Ev+1.0 Eh 330 deg+1.0 Guy	89.56	0.01	0.01	0.00	0.00	0.01

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-42.72	0.00	-0.00	42.72	0.00	0.001%
2	0.03	-50.92	-50.06	-0.03	50.92	50.06	0.009%
3	24.79	-50.34	-42.87	-24.79	50.34	42.86	0.009%
4	43.51	-49.76	-25.12	-43.52	49.76	25.12	0.010%
5	50.86	-50.34	-0.03	-50.85	50.34	0.04	0.008%
6	43.56	-50.92	25.07	-43.55	50.92	-25.07	0.010%
7	25.01	-50.34	43.42	-25.00	50.34	-43.42	0.009%
8	-0.09	-49.76	49.60	0.09	49.76	-49.61	0.010%
9	-24.59	-50.34	42.45	24.58	50.34	-42.45	0.008%
10	-43.19	-50.92	24.90	43.19	50.92	-24.89	0.009%
11	-50.41	-50.34	0.05	50.41	50.34	-0.04	0.008%
12	-43.60	-49.76	-25.06	43.60	49.76	25.06	0.010%
13	-25.12	-50.34	-43.36	25.13	50.34	43.36	0.009%
14	0.00	-172.96	0.00	-0.00	172.96	0.00	0.002%
15	0.11	-173.29	-12.70	-0.11	173.29	12.69	0.004%
16	6.39	-172.96	-10.94	-6.39	172.96	10.93	0.004%
17	11.04	-172.63	-6.37	-11.03	172.63	6.37	0.001%
18	12.79	-172.96	-0.07	-12.79	172.96	0.07	0.004%
19	10.93	-173.29	6.19	-10.92	173.29	-6.18	0.005%
20	6.22	-172.96	10.78	-6.22	172.96	-10.78	0.004%
21	-0.01	-172.63	12.41	0.01	172.63	-12.40	0.001%
22	-6.19	-172.96	10.71	6.19	172.96	-10.71	0.004%
23	-10.78	-173.29	6.22	10.77	173.29	-6.21	0.004%
24	-12.50	-172.96	0.00	12.49	172.96	-0.00	0.004%
25	-10.86	-172.63	-6.25	10.85	172.63	6.25	0.004%
26	-6.23	-172.96	-10.78	6.22	172.96	10.78	0.004%
27	0.01	-42.88	-14.21	-0.01	42.88	14.21	0.004%
28	7.04	-42.72	-12.17	-7.04	42.72	12.17	0.002%
29	12.35	-42.55	-7.13	-12.35	42.55	7.13	0.003%
30	14.44	-42.72	-0.01	-14.44	42.72	0.01	0.003%
31	12.37	-42.88	7.12	-12.37	42.88	-7.12	0.001%
32	7.10	-42.72	12.33	-7.10	42.72	-12.33	0.003%
33	-0.03	-42.55	14.08	0.03	42.55	-14.08	0.003%
34	-6.98	-42.72	12.05	6.98	42.72	-12.05	0.002%
35	-12.26	-42.88	7.07	12.26	42.88	-7.07	0.003%
36	-14.31	-42.72	0.01	14.31	42.72	-0.01	0.003%
37	-12.38	-42.55	-7.11	12.38	42.55	7.11	0.003%
38	-7.13	-42.72	-12.31	7.13	42.72	12.31	0.003%
39	0.00	-52.53	-1.35	0.00	52.53	1.35	0.002%
40	0.67	-52.53	-1.17	-0.67	52.53	1.17	0.002%
41	1.17	-52.53	-0.67	-1.17	52.53	0.67	0.002%
42	1.35	-52.53	0.00	-1.35	52.53	0.00	0.002%
43	1.17	-52.53	0.67	-1.17	52.53	-0.67	0.002%
44	0.67	-52.53	1.17	-0.67	52.53	-1.17	0.002%

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	<p style="text-align: center;">Project</p> <p style="text-align: center;">WXGI Tower</p>	<p style="text-align: center;">Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p style="text-align: center;">Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">sPerabathula</p>

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
45	0.00	-52.53	1.35	-0.00	52.53	-1.35	0.002%
46	-0.67	-52.53	1.17	0.67	52.53	-1.17	0.002%
47	-1.17	-52.53	0.67	1.17	52.53	-0.67	0.002%
48	-1.35	-52.53	0.00	1.35	52.53	0.00	0.002%
49	-1.17	-52.53	-0.67	1.17	52.53	0.67	0.002%
50	-0.67	-52.53	-1.17	0.67	52.53	1.17	0.002%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	8	0.00000001	0.00004589
2	Yes	47	0.00013358	0.00004277
3	Yes	46	0.00013622	0.00004616
4	Yes	27	0.00013291	0.00008919
5	Yes	46	0.00013096	0.00005218
6	Yes	46	0.00014698	0.00005882
7	Yes	45	0.00013974	0.00004972
8	Yes	27	0.00014220	0.00008668
9	Yes	46	0.00013053	0.00004350
10	Yes	47	0.00013260	0.00004520
11	Yes	46	0.00012941	0.00003843
12	Yes	27	0.00013432	0.00007843
13	Yes	45	0.00014255	0.00003690
14	Yes	13	0.00015000	0.00013282
15	Yes	27	0.00015000	0.00005484
16	Yes	26	0.00015000	0.00005328
17	Yes	34	0.00013707	0.00000882
18	Yes	26	0.00015000	0.00007145
19	Yes	25	0.00015000	0.00011512
20	Yes	26	0.00015000	0.00006386
21	Yes	34	0.00013427	0.00000801
22	Yes	26	0.00015000	0.00005314
23	Yes	26	0.00015000	0.00007145
24	Yes	26	0.00015000	0.00006150
25	Yes	26	0.00015000	0.00004915
26	Yes	26	0.00015000	0.00005609
27	Yes	16	0.00000001	0.00010363
28	Yes	20	0.00011982	0.00001721
29	Yes	17	0.00011732	0.00002135
30	Yes	19	0.00014418	0.00002396
31	Yes	17	0.00000001	0.00007118
32	Yes	19	0.00014681	0.00002078
33	Yes	17	0.00013969	0.00002563
34	Yes	20	0.00012207	0.00001711
35	Yes	17	0.00000001	0.00005275
36	Yes	19	0.00013644	0.00002345
37	Yes	16	0.00013906	0.00003319
38	Yes	19	0.00013127	0.00002066
39	Yes	22	0.00000001	0.00001375
40	Yes	21	0.00000001	0.00001437
41	Yes	19	0.00000001	0.00001753
42	Yes	21	0.00000001	0.00001650
43	Yes	22	0.00000001	0.00001548
44	Yes	21	0.00000001	0.00001655
45	Yes	19	0.00000001	0.00001794

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46	Yes	21	0.00000001	0.00001446
47	Yes	22	0.00000001	0.00001378
48	Yes	21	0.00000001	0.00001541
49	Yes	19	0.00000001	0.00002086
50	Yes	21	0.00000001	0.00001673

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	500 - 480	7.492	29	0.4935	0.7196
T1	480 - 460	6.009	29	0.0531	0.6801
T2	460 - 440	5.940	29	0.0506	0.6729
T3	440 - 420	5.805	29	0.0509	0.6636
T4	420 - 400	5.557	29	0.0750	0.6403
T5	400 - 380	5.228	29	0.0820	0.6064
T6	380 - 360	4.886	29	0.0922	0.5688
T7	360 - 340	4.467	29	0.1114	0.5299
T8	340 - 320	3.969	29	0.1224	0.4871
T9	320 - 300	3.460	29	0.1088	0.4462
T10	300 - 280	3.056	29	0.0890	0.3984
T11	280 - 260	2.711	29	0.0728	0.3315
T12	260 - 240	2.462	29	0.0396	0.2498
T13	240 - 220	2.392	29	0.0836	0.1957
T14	220 - 200	2.550	29	0.0998	0.2163
T15	200 - 180	2.701	37	0.0645	0.2104
T16	180 - 160	2.720	37	0.0404	0.1982
T17	160 - 140	2.869	31	0.0646	0.1770
T18	140 - 120	3.184	31	0.0544	0.2548
T19	120 - 100	3.276	31	0.0351	0.2939
T20	100 - 80	3.045	31	0.0857	0.3203
T21	80 - 60	2.611	31	0.1070	0.3304
T22	60 - 40	2.148	31	0.1241	0.3433
T23	40 - 20	1.565	31	0.1567	0.3421
T24	20 - 6.6667	0.836	31	0.1878	0.3316
T25	6.6667 - 0	0.285	31	0.2000	0.3019

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
500.00	Existing Top Beacon	29	7.492	0.4935	0.7196	8143
495.00	LPX-2EHW FM antenna	29	7.032	0.3475	0.7077	8143
480.00	T1	29	6.009	0.0531	0.6801	2250
479.92	Guy	29	6.006	0.0524	0.6800	2252
460.00	T2	29	5.940	0.0506	0.6729	9082
440.00	T3	29	5.805	0.0509	0.6636	244599
430.00	Shively 6842-2-55 Antenna	29	5.688	0.0620	0.6536	82165
420.00	T4	29	5.557	0.0750	0.6403	37160
400.00	Guy	29	5.228	0.0820	0.6064	72366
380.00	T6	29	4.886	0.0922	0.5688	48496
360.00	T7	29	4.467	0.1114	0.5299	58447
340.00	T8	29	3.969	0.1224	0.4871	101670
330.00	RSI P-9LA72G-U 6' Grid Dish	29	3.707	0.1181	0.4667	63750

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<i>Elevation</i>	<i>Appurtenance</i>	<i>Gov. Load Comb.</i>	<i>Deflection in</i>	<i>Tilt °</i>	<i>Twist °</i>	<i>Radius of Curvature ft</i>
320.00	Guy	29	3.460	0.1088	0.4462	29746
300.00	T10	29	3.056	0.0890	0.3984	94005
293.00	SWR-FEMC/2-HWS-TA	29	2.929	0.0840	0.3777	82892
280.00	T11	29	2.711	0.0728	0.3315	49061
260.00	T12	29	2.462	0.0396	0.2498	28057
242.00	BEXT TFC2K FM Antenna	29	2.387	0.0796	0.1998	16167
240.00	Guy	29	2.392	0.0836	0.1957	16312
220.00	Existing Middle (2) Beacons	29	2.550	0.0998	0.2163	48482
215.70	Pipe mount 8'x2.375	29	2.589	0.0954	0.2196	35575
204.60	AIR6449 B41	37	2.678	0.0746	0.2140	24247
200.00	Side arms for skirt	37	2.701	0.0645	0.2104	22651
191.00	VHLP1-23	37	2.722	0.0478	0.2068	33402
180.00	T16	37	2.720	0.0404	0.1982	120851
169.29	Face mounts	31	2.768	0.0518	0.1788	28398
160.00	Guy	31	2.869	0.0646	0.1770	17339
150.00	MX08FRO665-21	31	3.029	0.0675	0.2107	293707
140.00	T18	31	3.184	0.0544	0.2548	16151
134.00	NHH-65C-R2B	31	3.247	0.0392	0.2724	14583
130.00	(4)mount pipes	31	3.272	0.0290	0.2803	14364
127.00	B5/B13 RRH-BR04C (RFV01U-D2A)	31	3.282	0.0264	0.2849	14204
120.00	T19	31	3.276	0.0351	0.2939	14087
100.00	T20	31	3.045	0.0857	0.3203	21587
80.00	Guy	31	2.611	0.1070	0.3304	63461
60.00	T22	31	2.148	0.1241	0.3433	33463
40.00	T23	31	1.565	0.1567	0.3421	31611
20.00	T24	31	0.836	0.1878	0.3316	41804
6.67	T25	31	0.285	0.2000	0.3020	101865
5.00	Side arms for skirt	31	0.214	0.2003	0.2432	132774

Maximum Tower Deflections - Design Wind

<i>Section No.</i>	<i>Elevation ft</i>	<i>Horz. Deflection in</i>	<i>Gov. Load Comb.</i>	<i>Tilt °</i>	<i>Twist °</i>
L1	500 - 480	37.523	2	1.6931	2.1721
T1	480 - 460	32.122	2	0.2944	2.0454
T2	460 - 440	30.948	2	0.3161	2.0471
T3	440 - 420	29.502	2	0.4011	2.0412
T4	420 - 400	27.921	3	0.4939	1.9857
T5	400 - 380	26.089	3	0.5258	1.8677
T6	380 - 360	24.227	4	0.5536	1.7957
T7	360 - 340	22.126	4	0.5877	1.7044
T8	340 - 320	19.699	4	0.5937	1.5994
T9	320 - 300	17.229	4	0.5395	1.4692
T10	300 - 280	15.475	3	0.4526	1.3834
T11	280 - 260	14.160	3	0.3745	1.2089
T12	260 - 240	13.692	10	0.2279	0.9808
T13	240 - 220	14.283	2	0.3120	0.8106
T14	220 - 200	15.807	2	0.4105	0.8872
T15	200 - 180	17.331	6	0.2982	0.8877
T16	180 - 160	18.294	6	0.1980	0.8673
T17	160 - 140	19.118	6	0.2536	0.8212
T18	140 - 120	20.249	6	0.1657	1.0113
T19	120 - 100	20.318	6	0.1986	1.1248
T20	100 - 80	18.877	6	0.4832	1.1962

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	<p style="text-align: center;">Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">sPerabathula</p>

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T21	80 - 60	16.334	6	0.6620	1.2184
T22	60 - 40	13.333	6	0.8038	1.2477
T23	40 - 20	9.583	6	0.9903	1.2336
T24	20 - 6.6667	5.052	6	1.1496	1.1860
T25	6.6667 - 0	1.714	6	1.2084	1.1061

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
500.00	Existing Top Beacon	2	37.523	1.6931	2.1839	2796
495.00	LPX-2EHW FM antenna	2	35.904	1.2516	2.1405	2796
480.00	T1	2	32.122	0.2944	2.0454	773
479.92	Guy	2	32.109	0.2918	2.0451	774
460.00	T2	2	30.948	0.3161	2.0471	2874
440.00	T3	2	29.502	0.4011	2.0412	30518
430.00	Shively 6842-2-55 Antenna	3	28.698	0.4454	2.0225	15340
420.00	T4	3	27.921	0.4939	1.9857	9071
400.00	Guy	3	26.089	0.5258	1.8677	46973
380.00	T6	4	24.227	0.5536	1.7957	11240
360.00	T7	4	22.126	0.5877	1.7044	14220
340.00	T8	4	19.699	0.5937	1.5994	19389
330.00	RSI P-9LA72G-U 6' Grid Dish	4	18.433	0.5768	1.5311	7825
320.00	Guy	4	17.229	0.5395	1.4692	5071
300.00	T10	3	15.475	0.4526	1.3834	9220
293.00	SWR-FEMC/2-HWS-TA	3	14.966	0.4262	1.3340	8767
280.00	T11	3	14.160	0.3745	1.2089	7406
260.00	T12	10	13.692	0.2279	0.9808	5760
242.00	BEXT TFC2K FM Antenna	2	14.172	0.2902	0.8154	3958
240.00	Guy	2	14.283	0.3120	0.8106	4016
220.00	Existing Middle (2) Beacons	2	15.807	0.4105	0.8872	21353
215.70	Pipe mount 8'x2.375	2	16.153	0.3996	0.8970	12774
204.60	AIR6449 B41	6	17.021	0.3334	0.8926	7220
200.00	Side arms for skirt	6	17.331	0.2982	0.8877	6488
191.00	VHLP1-23	6	17.828	0.2340	0.8841	8966
180.00	T16	6	18.294	0.1980	0.8673	23102
169.29	Face mounts	6	18.693	0.2290	0.8240	7767
160.00	Guy	6	19.118	0.2536	0.8212	4797
150.00	MX08FRO665-21	6	19.717	0.2240	0.9024	17832
140.00	T18	6	20.249	0.1657	1.0113	3626
134.00	NHH-65C-R2B	6	20.427	0.1380	1.0585	3265
130.00	(4)mount pipes	6	20.472	0.1296	1.0817	3179
127.00	B5/B13 RRH-BR04C (RFV01U-D2A)	6	20.467	0.1341	1.0961	3117
120.00	T19	6	20.318	0.1986	1.1248	3029
100.00	T20	6	18.877	0.4832	1.1962	4061
80.00	Guy	6	16.334	0.6620	1.2184	20110
60.00	T22	6	13.333	0.8038	1.2477	5674
40.00	T23	6	9.583	0.9903	1.2336	5979
20.00	T24	6	5.052	1.1496	1.1860	8609
6.67	T25	6	1.715	1.2087	1.1065	23083
5.00	Side arms for skirt	6	1.287	1.0172	0.8922	30426

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	<p>Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p>Designed by</p> <p style="text-align: center;">sPerabathula</p>

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio		Allowable Ratio	Criteria
								Load	Allowable		
T1	480	Leg	A325N	0.6250	3	1.45	20.34	0.071	✓	1	Bolt Tension
T2	460	Leg	A325N	0.6250	3	2.01	20.34	0.099	✓	1	Bolt Tension
T3	440	Leg	A325N	0.6250	3	1.88	20.34	0.093	✓	1	Bolt Tension
T4	420	Leg	A325N	0.6250	3	1.78	20.34	0.087	✓	1	Bolt Tension
T5	400	Leg	A325N	0.6250	3	2.89	20.34	0.142	✓	1	Bolt Tension
T6	380	Leg	A325N	0.6250	3	2.98	20.34	0.147	✓	1	Bolt Tension
T7	360	Leg	A325N	0.6250	3	2.88	20.34	0.142	✓	1	Bolt Tension
T8	340	Leg	A325N	0.6250	3	3.77	20.34	0.185	✓	1	Bolt Tension
T9	320	Leg	A325N	0.6250	3	3.91	20.34	0.192	✓	1	Bolt Tension
T10	300	Leg	A325N	0.6250	3	4.22	20.34	0.207	✓	1	Bolt Tension
T11	280	Leg	A325N	0.6250	3	4.64	20.34	0.228	✓	1	Bolt Tension
T12	260	Leg	A325N	0.6250	3	6.54	20.34	0.322	✓	1	Bolt Tension
T13	240	Leg	A325N	0.6250	3	5.95	20.34	0.293	✓	1	Bolt Tension
T14	220	Leg	A325N	0.6250	3	5.94	20.34	0.292	✓	1	Bolt Tension
T15	200	Leg	A325N	0.6250	3	6.38	20.34	0.314	✓	1	Bolt Tension
T16	180	Leg	A325N	0.6250	3	7.13	20.34	0.351	✓	1	Bolt Tension
T17	160	Leg	A325N	0.6250	3	8.42	20.34	0.414	✓	1	Bolt Tension
T18	140	Leg	A325N	0.6250	3	9.46	20.34	0.465	✓	1	Bolt Tension
T19	120	Leg	A325N	0.6250	3	9.56	20.34	0.470	✓	1	Bolt Tension
T20	100	Leg	A325N	0.6250	3	9.23	20.34	0.454	✓	1	Bolt Tension
T21	80	Leg	A325N	0.6250	3	10.06	20.34	0.495	✓	1	Bolt Tension
T22	60	Leg	A325N	0.6250	3	10.31	20.34	0.507	✓	1	Bolt Tension
T23	40	Leg	A325N	0.6250	3	10.16	20.34	0.499	✓	1	Bolt Tension

Guy Design Data

Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
	479.92 (B) (1154)	1/2 EHS	2.69	26.90	12.16	16.14	1.000	1.327 ✓
	479.92 (C) (1153)	1/2 EHS	2.69	26.90	12.17	16.14	1.000	1.326 ✓
T5	400.00 (A) (1158)	7/16 EHS	2.08	20.80	10.27	12.48	1.000	1.215 ✓
	400.00 (B) (1157)	7/16 EHS	2.08	20.80	10.28	12.48	1.000	1.214 ✓

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Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
T9	400.00 (C) (1156)	7/16 EHS	2.08	20.80	10.33	12.48	1.000	1.208 ✓
	320.00 (A) (1161)	1/2 EHS	2.69	26.90	10.86	16.14	1.000	1.487 ✓
	320.00 (B) (1160)	1/2 EHS	2.69	26.90	10.88	16.14	1.000	1.484 ✓
T13	320.00 (C) (1159)	1/2 EHS	2.69	26.90	10.96	16.14	1.000	1.472 ✓
	240.00 (A) (1174)	1/2 EHS	2.69	26.90	8.48	16.14	1.000	1.903 ✓
	240.00 (A) (1175)	1/2 EHS	2.69	26.90	9.04	16.14	1.000	1.786 ✓
	240.00 (B) (1168)	1/2 EHS	2.69	26.90	8.68	16.14	1.000	1.860 ✓
	240.00 (B) (1169)	1/2 EHS	2.69	26.90	8.89	16.14	1.000	1.815 ✓
	240.00 (C) (1162)	1/2 EHS	2.69	26.90	9.22	16.14	1.000	1.750 ✓
	240.00 (C) (1163)	1/2 EHS	2.69	26.90	8.50	16.14	1.000	1.899 ✓
	160.00 (A) (1192)	1/2 EHS	2.69	26.90	11.78	16.14	1.000	1.371 ✓
	160.00 (A) (1193)	1/2 EHS	2.69	26.90	11.76	16.14	1.000	1.373 ✓
T17	160.00 (B) (1186)	1/2 EHS	2.69	26.90	11.55	16.14	1.000	1.398 ✓
	160.00 (B) (1187)	1/2 EHS	2.69	26.90	11.80	16.14	1.000	1.368 ✓
	160.00 (C) (1180)	1/2 EHS	2.69	26.90	11.90	16.14	1.000	1.357 ✓
	160.00 (C) (1181)	1/2 EHS	2.69	26.90	11.53	16.14	1.000	1.400 ✓
	80.00 (A) (1200)	7/16 EHS	2.08	20.80	9.64	12.48	1.000	1.295 ✓
	80.00 (B) (1199)	7/16 EHS	2.08	20.80	9.61	12.48	1.000	1.299 ✓
	80.00 (C) (1198)	7/16 EHS	2.08	20.80	9.65	12.48	1.000	1.293 ✓

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	500 - 480 (1)	P6x.28	20.00	0.00	0.0	5.5813	-0.74	180.84	0.004

Pole Bending Design Data

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Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	500 - 480 (1)	P6x.28	17.00	30.46	0.558	0.00	30.46	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	500 - 480 (1)	P6x.28	1.17	54.25	0.021	0.01	30.26	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	500 - 480 (1)	0.004	0.558	0.000	0.021	0.000	0.563	1.000	4.8.2 ✓

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in ²	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	480 - 460	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-13.09	59.04	0.222 ¹
T2	460 - 440	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-18.10	59.04	0.306 ¹
T3	440 - 420	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-18.70	59.04	0.317 ¹
T4	420 - 400	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-16.96	59.04	0.287 ¹
T5	400 - 380	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-26.00	59.04	0.440 ¹
T6	380 - 360	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-26.99	59.04	0.457 ¹
T7	360 - 340	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-27.01	59.04	0.457 ¹
T8	340 - 320	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-33.93	59.04	0.575 ¹
T9	320 - 300	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-35.70	59.04	0.605 ¹
T10	300 - 280	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-37.96	59.04	0.643 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T11	280 - 260	1 3/4	20.00	3.32	91.0 K=1.00	2.4053	-41.76	59.04	0.707 ¹
T12	260 - 240	2	20.00	3.32	79.7 K=1.00	3.1416	-54.51	88.88	0.613 ¹
T13	240 - 220	2	20.00	3.32	79.7 K=1.00	3.1416	-55.92	88.88	0.629 ¹
T14	220 - 200	2	20.00	3.32	79.7 K=1.00	3.1416	-53.62	88.88	0.603 ¹
T15	200 - 180	2	20.00	3.32	79.7 K=1.00	3.1416	-57.41	88.88	0.646 ¹
T16	180 - 160	2 1/4	20.00	3.32	70.8 K=1.00	3.9761	-64.20	124.00	0.518 ¹
T17	160 - 140	2 1/4	20.00	3.32	70.8 K=1.00	3.9761	-75.79	124.00	0.611 ¹
T18	140 - 120	2 1/4	20.00	3.32	70.8 K=1.00	3.9761	-85.16	124.00	0.687 ¹
T19	120 - 100	2 1/4	20.00	3.32	70.8 K=1.00	3.9761	-86.41	124.00	0.697 ¹
T20	100 - 80	2 1/4	20.00	3.32	70.8 K=1.00	3.9761	-86.01	124.00	0.694 ¹
T21	80 - 60	2 1/4	20.00	3.32	70.8 K=1.00	3.9761	-90.56	124.00	0.730 ¹
T22	60 - 40	2 1/4	20.00	3.32	70.8 K=1.00	3.9761	-92.83	124.00	0.749 ¹
T23	40 - 20	2 1/4	20.00	3.32	70.8 K=1.00	3.9761	-92.84	124.00	0.749 ¹
T24	20 - 6.6667	2 1/4	13.33	3.31	70.7 K=1.00	3.9761	-90.89	124.19	0.732 ¹
T25	6.6667 - 0	2 1/4	6.89	3.40	72.6 K=1.00	3.9761	-92.64	121.76	0.761 ¹

¹ P_u / φP_n controls

Leg Bending Design Data (Compression)

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T1	480 - 460	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T2	460 - 440	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T3	440 - 420	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T4	420 - 400	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T5	400 - 380	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T6	380 - 360	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T7	360 - 340	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T8	340 - 320	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T9	320 - 300	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T10	300 - 280	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T11	280 - 260	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T12	260 - 240	2	0.00	5.00	0.000	0.00	5.00	0.000
T13	240 - 220	2	0.00	5.00	0.000	0.00	5.00	0.000
T14	220 - 200	2	0.00	5.00	0.000	0.00	5.00	0.000
T15	200 - 180	2	0.00	5.00	0.000	0.00	5.00	0.000
T16	180 - 160	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T17	160 - 140	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T18	140 - 120	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000

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Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
T19	120 - 100	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T20	100 - 80	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T21	80 - 60	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T22	60 - 40	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T23	40 - 20	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T24	20 - 6.6667	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T25	6.6667 - 0	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000

Leg Interaction Design Data (Compression)

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T1	480 - 460	1 3/4	0.222	0.000	0.000	0.222 ¹	1.000	4.8.1 ✓
T2	460 - 440	1 3/4	0.306	0.000	0.000	0.306 ¹	1.000	4.8.1 ✓
T3	440 - 420	1 3/4	0.317	0.000	0.000	0.317 ¹	1.000	4.8.1 ✓
T4	420 - 400	1 3/4	0.287	0.000	0.000	0.287 ¹	1.000	4.8.1 ✓
T5	400 - 380	1 3/4	0.440	0.000	0.000	0.440 ¹	1.000	4.8.1 ✓
T6	380 - 360	1 3/4	0.457	0.000	0.000	0.457 ¹	1.000	4.8.1 ✓
T7	360 - 340	1 3/4	0.457	0.000	0.000	0.457 ¹	1.000	4.8.1 ✓
T8	340 - 320	1 3/4	0.575	0.000	0.000	0.575 ¹	1.000	4.8.1 ✓
T9	320 - 300	1 3/4	0.605	0.000	0.000	0.605 ¹	1.000	4.8.1 ✓
T10	300 - 280	1 3/4	0.643	0.000	0.000	0.643 ¹	1.000	4.8.1 ✓
T11	280 - 260	1 3/4	0.707	0.000	0.000	0.707 ¹	1.000	4.8.1 ✓
T12	260 - 240	2	0.613	0.000	0.000	0.613 ¹	1.000	4.8.1 ✓
T13	240 - 220	2	0.629	0.000	0.000	0.629 ¹	1.000	4.8.1 ✓
T14	220 - 200	2	0.603	0.000	0.000	0.603 ¹	1.000	4.8.1 ✓
T15	200 - 180	2	0.646	0.000	0.000	0.646 ¹	1.000	4.8.1 ✓
T16	180 - 160	2 1/4	0.518	0.000	0.000	0.518 ¹	1.000	4.8.1 ✓
T17	160 - 140	2 1/4	0.611	0.000	0.000	0.611 ¹	1.000	4.8.1 ✓
T18	140 - 120	2 1/4	0.687	0.000	0.000	0.687 ¹	1.000	4.8.1 ✓
T19	120 - 100	2 1/4	0.697	0.000	0.000	0.697 ¹	1.000	4.8.1 ✓

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job 22-0511	Page 60 of 78
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Section No.	Elevation ft	Size	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
			$\frac{P_u}{\phi P_n}$	$\frac{M_{ux}}{\phi M_{nx}}$	$\frac{M_{uy}}{\phi M_{ny}}$			
T20	100 - 80	2 1/4	0.694	0.000	0.000	0.694 ¹	1.000	4.8.1 ✓
T21	80 - 60	2 1/4	0.730	0.000	0.000	0.730 ¹	1.000	4.8.1 ✓
T22	60 - 40	2 1/4	0.749	0.000	0.000	0.749 ¹	1.000	4.8.1 ✓
T23	40 - 20	2 1/4	0.749	0.000	0.000	0.749 ¹	1.000	4.8.1 ✓
T24	20 - 6.6667	2 1/4	0.732	0.000	0.000	0.732 ¹	1.000	4.8.1 ✓
T25	6.6667 - 0	2 1/4	0.761	0.000	0.000	0.761 ¹	1.000	4.8.1 ✓

¹ $P_u / \phi P_n$ controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio
									$\frac{P_u}{\phi P_n}$
T1	480 - 460	1	4.47	4.26	143.0 K=0.70	0.7854	-1.84	8.67	0.212 ¹
T2	460 - 440	1	4.47	4.26	143.0 K=0.70	0.7854	-1.10	8.67	0.127 ¹
T3	440 - 420	1	4.47	4.26	143.0 K=0.70	0.7854	-1.64	8.67	0.189 ¹
T4	420 - 400	1	4.47	4.26	143.0 K=0.70	0.7854	-2.30	8.67	0.266 ¹
T5	400 - 380	1	4.47	4.26	143.0 K=0.70	0.7854	-1.89	8.67	0.218 ¹
T6	380 - 360	1	4.47	4.26	143.0 K=0.70	0.7854	-1.44	8.67	0.167 ¹
T7	360 - 340	1	4.47	4.26	143.0 K=0.70	0.7854	-2.13	8.67	0.246 ¹
T8	340 - 320	1	4.47	4.26	143.0 K=0.70	0.7854	-4.06	8.67	0.468 ¹
T9	320 - 300	1	4.47	4.26	143.0 K=0.70	0.7854	-1.90	8.67	0.219 ¹
T10	300 - 280	1	4.47	4.26	143.0 K=0.70	0.7854	-2.54	8.67	0.293 ¹
T11	280 - 260	1	4.47	4.26	143.0 K=0.70	0.7854	-3.40	8.67	0.392 ¹
T12	260 - 240	1 1/4	4.47	4.23	113.6 K=0.70	1.2272	-4.25	20.16	0.211 ¹
T13	240 - 220	1 1/4	4.47	4.23	113.6 K=0.70	1.2272	-8.52	20.16	0.423 ¹
T14	220 - 200	1 1/4	4.47	4.23	113.6 K=0.70	1.2272	-4.06	20.16	0.201 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T15	200 - 180	1 1/4	4.47	4.23	113.6 K=0.70	1.2272	-3.75	20.16	0.186 ¹ ✓
T16	180 - 160	1 1/4	4.47	4.19	112.8 K=0.70	1.2272	-5.68	20.36	0.279 ¹ ✓
T17	160 - 140	1 1/4	4.47	4.19	112.8 K=0.70	1.2272	-12.04	20.36	0.591 ¹ ✓
T18	140 - 120	1	4.47	4.19	140.9 K=0.70	0.7854	-6.88	8.93	0.771 ¹ ✓
T19	120 - 100	1	4.47	4.19	140.9 K=0.70	0.7854	-3.98	8.93	0.446 ¹ ✓
T20	100 - 80	1	4.47	4.19	140.9 K=0.70	0.7854	-5.26	8.93	0.589 ¹ ✓
T21	80 - 60	1	4.47	4.19	140.9 K=0.70	0.7854	-3.16	8.93	0.354 ¹ ✓
T22	60 - 40	1	4.47	4.19	140.9 K=0.70	0.7854	-1.78	8.93	0.199 ¹ ✓
T23	40 - 20	1	4.47	4.19	140.9 K=0.70	0.7854	-2.37	8.93	0.265 ¹ ✓
T24	20 - 6.6667	1	4.47	4.19	140.8 K=0.70	0.7854	-3.26	8.95	0.364 ¹ ✓
T25	6.6667 - 0	1	3.99	3.66	123.1 K=0.70	0.7854	-1.61	11.46	0.141 ¹ ✓

¹ P_u / φP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	480 - 460	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.31	6.05	0.051 ¹ ✓
T2	460 - 440	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.42	6.05	0.070 ¹ ✓
T3	440 - 420	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.44	6.05	0.072 ¹ ✓
T4	420 - 400	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.40	6.05	0.066 ¹ ✓
T5	400 - 380	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.61	6.05	0.100 ¹ ✓
T6	380 - 360	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.63	6.05	0.104 ¹ ✓
T7	360 - 340	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.63	6.05	0.104 ¹ ✓
T8	340 - 320	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.79	6.05	0.131 ¹ ✓
T9	320 - 300	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.84	6.05	0.139 ¹ ✓
T10	300 - 280	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.89	6.05	0.147 ¹ ✓

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	<p style="text-align: center;">Project</p> <p style="text-align: center;">WXGI Tower</p>	<p style="text-align: center;">Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p style="text-align: center;">Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">sPerabathula</p>

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T11	280 - 260	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.98	6.05	0.161 ¹ ✓
T12	260 - 240	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.15	6.13	0.188 ¹ ✓
T13	240 - 220	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.29	6.13	0.210 ¹ ✓
T14	220 - 200	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.13	6.13	0.185 ¹ ✓
T15	200 - 180	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.21	6.13	0.198 ¹ ✓
T16	180 - 160	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.25	6.21	0.201 ¹ ✓
T17	160 - 140	3/4	3.00	2.81	126.0 K=0.70	0.4418	-2.88	6.21	0.464 ¹ ✓
T18	140 - 120	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.65	6.21	0.266 ¹ ✓
T19	120 - 100	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.68	6.21	0.270 ¹ ✓
T20	100 - 80	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.68	6.21	0.271 ¹ ✓
T21	80 - 60	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.76	6.21	0.283 ¹ ✓
T22	60 - 40	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.80	6.21	0.290 ¹ ✓
T23	40 - 20	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.81	6.21	0.292 ¹ ✓
T24	20 - 6.6667	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.78	6.21	0.286 ¹ ✓
T25	6.6667 - 0	3/4	1.48	1.29	81.1 K=0.98	0.4418	-1.87	10.13	0.185 ¹ ✓

¹ P_u / φP_n controls

Secondary Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	480 - 460	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T2	460 - 440	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T3	440 - 420	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T4	420 - 400	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T5	400 - 380	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T6	380 - 360	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T7	360 - 340	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T8	340 - 320	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T9	320 - 300	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T10	300 - 280	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T11	280 - 260	5/8	1.50	1.43	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T12	260 - 240	5/8	1.50	1.42	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T13	240 - 220	5/8	1.50	1.42	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T14	220 - 200	5/8	1.50	1.42	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T15	200 - 180	5/8	1.50	1.42	85.3 K=0.78	0.3068	-0.00	6.78	0.000 ¹ ✓
T16	180 - 160	5/8	1.50	1.41	85.3 K=0.79	0.3068	-0.00	6.78	0.000 ¹ ✓
T17	160 - 140	5/8	1.50	1.41	85.3 K=0.79	0.3068	-0.00	6.78	0.000 ¹ ✓
T18	140 - 120	5/8	1.50	1.41	85.3 K=0.79	0.3068	-0.00	6.78	0.000 ¹ ✓
T19	120 - 100	5/8	1.50	1.41	85.3 K=0.79	0.3068	-0.00	6.78	0.000 ¹ ✓
T20	100 - 80	5/8	1.50	1.41	85.3 K=0.79	0.3068	-0.00	6.78	0.000 ¹ ✓
T21	80 - 60	5/8	1.50	1.41	85.3 K=0.79	0.3068	-0.00	6.78	0.000 ¹ ✓
T22	60 - 40	5/8	1.50	1.41	85.3 K=0.79	0.3068	-0.00	6.78	0.000 ¹ ✓
T23	40 - 20	5/8	1.50	1.41	85.3 K=0.79	0.3068	-0.00	6.78	0.000 ¹ ✓
T24	20 - 6.6667	5/8	1.50	1.41	85.3 K=0.79	0.3068	-0.00	6.78	0.000 ¹ ✓
T25	6.6667 - 0	5/8	0.99	0.89	68.7 K=1.00	0.3068	-0.00	7.76	0.000 ¹ ✓

¹ P_u / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	480 - 460	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.31	6.05	0.051 ¹

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	<p style="text-align: center;">Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">sPerabathula</p>

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T2	460 - 440	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.42	6.05	0.070 ¹
T3	440 - 420	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.44	6.05	0.072 ¹
T4	420 - 400	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.40	6.05	0.066 ¹
T5	400 - 380	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.61	6.05	0.100 ¹
T6	380 - 360	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.63	6.05	0.104 ¹
T7	360 - 340	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.63	6.05	0.104 ¹
T8	340 - 320	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.79	6.05	0.131 ¹
T9	320 - 300	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.84	6.05	0.139 ¹
T10	300 - 280	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.89	6.05	0.147 ¹
T11	280 - 260	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.98	6.05	0.161 ¹
T12	260 - 240	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.15	6.13	0.188 ¹
T13	240 - 220	3/4	3.00	2.83	126.9 K=0.70	0.4418	-2.33	6.13	0.380 ¹
T14	220 - 200	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.13	6.13	0.185 ¹
T15	200 - 180	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.21	6.13	0.198 ¹
T16	180 - 160	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.25	6.21	0.201 ¹
T17	160 - 140	3/4	3.00	2.81	126.0 K=0.70	0.4418	-4.06	6.21	0.654 ¹
T18	140 - 120	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.65	6.21	0.266 ¹
T19	120 - 100	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.68	6.21	0.270 ¹
T20	100 - 80	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.68	6.21	0.271 ¹
T21	80 - 60	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.76	6.21	0.283 ¹
T22	60 - 40	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.80	6.21	0.290 ¹
T23	40 - 20	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.81	6.21	0.292 ¹
T24	20 - 6.6667	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.78	6.21	0.286 ¹
T25	6.6667 - 0	3/4	2.96	2.77	124.3 K=0.70	0.4418	-1.87	6.34	0.295 ¹

¹ P_u / φP_n controls

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	<p>Client</p> <p>Hunter Communications Group LLC</p>	<p>Designed by</p> <p>sPerabathula</p>

Bottom Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r K=0.70	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	480 - 460	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.42	6.05	0.070 ¹
T2	460 - 440	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.44	6.05	0.072 ¹
T3	440 - 420	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.40	6.05	0.066 ¹
T4	420 - 400	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.61	6.05	0.100 ¹
T5	400 - 380	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.63	6.05	0.104 ¹
T6	380 - 360	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.63	6.05	0.104 ¹
T7	360 - 340	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.79	6.05	0.131 ¹
T8	340 - 320	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.84	6.05	0.139 ¹
T9	320 - 300	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.89	6.05	0.147 ¹
T10	300 - 280	3/4	3.00	2.85	127.9 K=0.70	0.4418	-0.98	6.05	0.161 ¹
T11	280 - 260	3/4	3.00	2.85	127.9 K=0.70	0.4418	-1.15	6.05	0.190 ¹
T12	260 - 240	3/4	3.00	2.83	126.9 K=0.70	0.4418	-2.46	6.13	0.402 ¹
T13	240 - 220	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.13	6.13	0.185 ¹
T14	220 - 200	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.21	6.13	0.198 ¹
T15	200 - 180	3/4	3.00	2.83	126.9 K=0.70	0.4418	-1.25	6.13	0.203 ¹
T16	180 - 160	3/4	3.00	2.81	126.0 K=0.70	0.4418	-4.17	6.21	0.673 ¹
T17	160 - 140	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.65	6.21	0.266 ¹
T18	140 - 120	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.68	6.21	0.270 ¹
T19	120 - 100	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.68	6.21	0.271 ¹
T20	100 - 80	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.76	6.21	0.283 ¹
T21	80 - 60	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.80	6.21	0.290 ¹
T22	60 - 40	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.81	6.21	0.292 ¹
T23	40 - 20	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.78	6.21	0.286 ¹
T24	20 - 6.6667	3/4	3.00	2.81	126.0 K=0.70	0.4418	-1.87	6.21	0.302 ¹

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job	22-0511	Page	66 of 78
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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
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¹ P_u / φP_n controls

Torque-Arm Bottom Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T13	240 - 220 (1166)	L3x3x1/4	5.39	5.28	71.7 K=0.67	1.4400	-10.87	43.46	0.250 ¹ ✓
T13	240 - 220 (1167)	L3x3x1/4	5.39	5.28	71.7 K=0.67	1.4400	-10.01	43.46	0.230 ¹ ✓
T13	240 - 220 (1172)	L3x3x1/4	5.39	5.28	71.7 K=0.67	1.4400	-9.61	43.46	0.221 ¹ ✓
T13	240 - 220 (1173)	L3x3x1/4	5.39	5.28	71.7 K=0.67	1.4400	-10.88	43.46	0.250 ¹ ✓
T13	240 - 220 (1178)	L3x3x1/4	5.39	5.28	71.7 K=0.67	1.4400	-10.92	43.46	0.251 ¹ ✓
T13	240 - 220 (1179)	L3x3x1/4	5.39	5.28	71.7 K=0.67	1.4400	-9.65	43.46	0.222 ¹ ✓
T17	160 - 140 (1184)	L3x3x1/4	5.39	5.27	71.5 K=0.67	1.4400	-13.84	43.50	0.318 ¹ ✓
T17	160 - 140 (1185)	L3x3x1/4	5.39	5.27	71.5 K=0.67	1.4400	-12.93	43.50	0.297 ¹ ✓
T17	160 - 140 (1190)	L3x3x1/4	5.39	5.27	71.5 K=0.67	1.4400	-12.12	43.50	0.279 ¹ ✓
T17	160 - 140 (1191)	L3x3x1/4	5.39	5.27	71.5 K=0.67	1.4400	-13.14	43.50	0.302 ¹ ✓
T17	160 - 140 (1196)	L3x3x1/4	5.39	5.27	71.5 K=0.67	1.4400	-13.71	43.50	0.315 ¹ ✓
T17	160 - 140 (1197)	L3x3x1/4	5.39	5.27	71.5 K=0.67	1.4400	-12.73	43.50	0.293 ¹ ✓

¹ P_u / φP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	480 - 460	1 3/4	20.00	0.08	2.3	2.4053	6.25	108.24	0.058 ¹
T2	460 - 440	1 3/4	20.00	3.32	91.0	2.4053	4.95	108.24	0.046 ¹
T3	440 - 420	1 3/4	20.00	3.32	91.0	2.4053	5.25	108.24	0.049 ¹

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	<p style="text-align: center;">Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">sPerabathula</p>

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T4	420 - 400	1 3/4	20.00	0.08	2.3	2.4053	1.68	108.24	0.016 ¹
T8	340 - 320	1 3/4	20.00	3.32	91.0	2.4053	2.58	108.24	0.024 ¹
T11	280 - 260	1 3/4	20.00	3.32	91.0	2.4053	4.64	108.24	0.043 ¹
T12	260 - 240	2	20.00	3.32	79.7	3.1416	19.62	141.37	0.139 ¹
T13	240 - 220	2	20.00	0.08	2.0	3.1416	19.42	141.37	0.137 ¹
T16	180 - 160	2 1/4	20.00	3.32	70.8	3.9761	7.90	178.92	0.044 ¹
T17	160 - 140	2 1/4	20.00	0.08	1.8	3.9761	10.55	178.92	0.059 ¹
T18	140 - 120	2 1/4	20.00	3.32	70.8	3.9761	25.91	178.92	0.145 ¹
T19	120 - 100	2 1/4	20.00	0.08	1.8	3.9761	23.66	178.92	0.132 ¹
T20	100 - 80	2 1/4	20.00	0.08	1.8	3.9761	7.31	178.92	0.041 ¹

¹ P_u / φP_n controls

Leg Bending Design Data (Tension)

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T1	480 - 460	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T2	460 - 440	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T3	440 - 420	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T4	420 - 400	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T8	340 - 320	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T11	280 - 260	1 3/4	0.00	3.35	0.000	0.00	3.35	0.000
T12	260 - 240	2	0.00	5.00	0.000	0.00	5.00	0.000
T13	240 - 220	2	0.00	5.00	0.000	0.00	5.00	0.000
T16	180 - 160	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T17	160 - 140	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T18	140 - 120	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T19	120 - 100	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T20	100 - 80	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000

Leg Interaction Design Data (Tension)

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T1	480 - 460	1 3/4	0.058	0.000	0.000	0.058 ¹	1.000	4.8.1 ✓
T2	460 - 440	1 3/4	0.046	0.000	0.000	0.046 ¹	1.000	4.8.1 ✓
T3	440 - 420	1 3/4	0.049	0.000	0.000	0.049 ¹	1.000	4.8.1 ✓
T4	420 - 400	1 3/4	0.016	0.000	0.000	0.016 ¹	1.000	4.8.1 ✓
T8	340 - 320	1 3/4	0.024	0.000	0.000	0.024 ¹	1.000	4.8.1 ✓
T11	280 - 260	1 3/4	0.043	0.000	0.000	0.043 ¹	1.000	4.8.1 ✓

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Section No.	Elevation ft	Size	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
			$\frac{P_u}{\phi P_n}$	$\frac{M_{ux}}{\phi M_{nx}}$	$\frac{M_{uy}}{\phi M_{ny}}$			
T12	260 - 240	2	0.139	0.000	0.000	0.139 ¹	1.000	4.8.1 ✓
T13	240 - 220	2	0.137	0.000	0.000	0.137 ¹	1.000	4.8.1 ✓
T16	180 - 160	2 1/4	0.044	0.000	0.000	0.044 ¹	1.000	4.8.1 ✓
T17	160 - 140	2 1/4	0.059	0.000	0.000	0.059 ¹	1.000	4.8.1 ✓
T18	140 - 120	2 1/4	0.145	0.000	0.000	0.145 ¹	1.000	4.8.1 ✓
T19	120 - 100	2 1/4	0.132	0.000	0.000	0.132 ¹	1.000	4.8.1 ✓
T20	100 - 80	2 1/4	0.041	0.000	0.000	0.041 ¹	1.000	4.8.1 ✓

¹ $P_u / \phi P_n$ controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio
			ft	ft		in ²	K	K	$\frac{P_u}{\phi P_n}$
T1	480 - 460	1	4.47	4.26	204.3	0.7854	1.72	25.45	0.068 ¹
T2	460 - 440	1	4.47	4.26	204.3	0.7854	1.04	25.45	0.041 ¹
T3	440 - 420	1	4.47	4.26	204.3	0.7854	1.46	25.45	0.057 ¹
T4	420 - 400	1	4.47	4.26	204.3	0.7854	2.19	25.45	0.086 ¹
T5	400 - 380	1	4.47	4.26	204.3	0.7854	1.79	25.45	0.070 ¹
T6	380 - 360	1	4.47	4.26	204.3	0.7854	1.24	25.45	0.049 ¹
T7	360 - 340	1	4.47	4.26	204.3	0.7854	2.01	25.45	0.079 ¹
T8	340 - 320	1	4.47	4.26	204.3	0.7854	3.77	25.45	0.148 ¹
T9	320 - 300	1	4.47	4.26	204.3	0.7854	1.79	25.45	0.070 ¹
T10	300 - 280	1	4.47	4.26	204.3	0.7854	2.24	25.45	0.088 ¹
T11	280 - 260	1	4.47	4.26	204.3	0.7854	3.07	25.45	0.121 ¹
T12	260 - 240	1 1/4	4.47	4.23	162.3	1.2272	3.99	39.76	0.100 ¹
T13	240 - 220	1 1/4	4.47	4.23	162.3	1.2272	4.39	39.76	0.110 ¹
T14	220 - 200	1 1/4	4.47	4.23	162.3	1.2272	3.77	39.76	0.095 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T15	200 - 180	1 1/4	4.47	4.23	162.3	1.2272	3.12	39.76	0.078 ¹ ✓
T16	180 - 160	1 1/4	4.47	4.19	161.1	1.2272	5.28	39.76	0.133 ¹ ✓
T17	160 - 140	1 1/4	4.47	4.19	161.1	1.2272	10.79	39.76	0.271 ¹ ✓
T18	140 - 120	1	4.47	4.19	201.3	0.7854	6.10	25.45	0.240 ¹ ✓
T19	120 - 100	1	4.47	4.19	201.3	0.7854	3.13	25.45	0.123 ¹ ✓
T20	100 - 80	1	4.47	4.19	201.3	0.7854	4.43	25.45	0.174 ¹ ✓
T21	80 - 60	1	4.47	4.19	201.3	0.7854	2.34	25.45	0.092 ¹ ✓
T22	60 - 40	1	4.47	4.19	201.3	0.7854	0.83	25.45	0.032 ¹ ✓
T23	40 - 20	1	4.47	4.19	201.3	0.7854	1.59	25.45	0.062 ¹ ✓
T24	20 - 6.6667	1	4.47	4.19	201.1	0.7854	2.66	25.45	0.104 ¹ ✓
T25	6.6667 - 0	1	3.99	3.66	175.8	0.7854	0.49	25.45	0.019 ¹ ✓

¹ P_u / φP_n controls

Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	480 - 460	3/4	3.00	2.85	182.7	0.4418	0.31	14.31	0.021 ¹ ✓
T2	460 - 440	3/4	3.00	2.85	182.7	0.4418	0.42	14.31	0.030 ¹ ✓
T3	440 - 420	3/4	3.00	2.85	182.7	0.4418	0.44	14.31	0.031 ¹ ✓
T4	420 - 400	3/4	3.00	2.85	182.7	0.4418	0.40	14.31	0.028 ¹ ✓
T5	400 - 380	3/4	3.00	2.85	182.7	0.4418	0.61	14.31	0.042 ¹ ✓
T6	380 - 360	3/4	3.00	2.85	182.7	0.4418	0.63	14.31	0.044 ¹ ✓
T7	360 - 340	3/4	3.00	2.85	182.7	0.4418	0.63	14.31	0.044 ¹ ✓
T8	340 - 320	3/4	3.00	2.85	182.7	0.4418	0.79	14.31	0.055 ¹ ✓
T9	320 - 300	3/4	3.00	2.85	182.7	0.4418	0.84	14.31	0.059 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T10	300 - 280	3/4	3.00	2.85	182.7	0.4418	0.89	14.31	0.062 ¹
T11	280 - 260	3/4	3.00	2.85	182.7	0.4418	0.98	14.31	0.068 ¹
T12	260 - 240	3/4	3.00	2.83	181.3	0.4418	1.15	14.31	0.080 ¹
T13	240 - 220	3/4	3.00	2.83	181.3	0.4418	1.25	14.31	0.088 ¹
T14	220 - 200	3/4	3.00	2.83	181.3	0.4418	1.17	14.31	0.082 ¹
T15	200 - 180	3/4	3.00	2.83	181.3	0.4418	1.21	14.31	0.085 ¹
T16	180 - 160	3/4	3.00	2.81	180.0	0.4418	1.25	14.31	0.087 ¹
T17	160 - 140	3/4	3.00	2.81	180.0	0.4418	3.25	14.31	0.227 ¹
T18	140 - 120	3/4	3.00	2.81	180.0	0.4418	1.65	14.31	0.115 ¹
T19	120 - 100	3/4	3.00	2.81	180.0	0.4418	1.68	14.31	0.117 ¹
T20	100 - 80	3/4	3.00	2.81	180.0	0.4418	1.68	14.31	0.117 ¹
T21	80 - 60	3/4	3.00	2.81	180.0	0.4418	1.76	14.31	0.123 ¹
T22	60 - 40	3/4	3.00	2.81	180.0	0.4418	1.80	14.31	0.126 ¹
T23	40 - 20	3/4	3.00	2.81	180.0	0.4418	1.81	14.31	0.127 ¹
T24	20 - 6.6667	3/4	3.00	2.81	180.0	0.4418	1.78	14.31	0.124 ¹
T25	6.6667 - 0	3/4	1.48	1.29	82.8	0.4418	1.87	14.31	0.131 ¹

¹ P_u / φP_n controls

Secondary Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	480 - 460	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹
T2	460 - 440	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹
T3	440 - 420	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹
T4	420 - 400	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹
T5	400 - 380	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T6	380 - 360	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹
T7	360 - 340	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹
T8	340 - 320	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹
T9	320 - 300	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹
T10	300 - 280	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹
T11	280 - 260	5/8	1.50	1.43	109.6	0.3068	0.00	9.94	0.000 ¹
T12	260 - 240	5/8	1.50	1.42	108.8	0.3068	0.00	9.94	0.000 ¹
T13	240 - 220	5/8	1.50	1.42	108.8	0.3068	0.00	9.94	0.000 ¹
T14	220 - 200	5/8	1.50	1.42	108.8	0.3068	0.00	9.94	0.000 ¹
T15	200 - 180	5/8	1.50	1.42	108.8	0.3068	0.00	9.94	0.000 ¹
T16	180 - 160	5/8	1.50	1.41	108.0	0.3068	0.00	9.94	0.000 ¹
T17	160 - 140	5/8	1.50	1.41	108.0	0.3068	0.00	9.94	0.000 ¹
T18	140 - 120	5/8	1.50	1.41	108.0	0.3068	0.00	9.94	0.000 ¹
T19	120 - 100	5/8	1.50	1.41	108.0	0.3068	0.00	9.94	0.000 ¹
T20	100 - 80	5/8	1.50	1.41	108.0	0.3068	0.00	9.94	0.000 ¹
T21	80 - 60	5/8	1.50	1.41	108.0	0.3068	0.00	9.94	0.000 ¹
T22	60 - 40	5/8	1.50	1.41	108.0	0.3068	0.00	9.94	0.000 ¹
T23	40 - 20	5/8	1.50	1.41	108.0	0.3068	0.00	9.94	0.000 ¹
T24	20 - 6.6667	5/8	1.50	1.41	108.0	0.3068	0.00	9.94	0.000 ¹
T25	6.6667 - 0	5/8	0.99	0.89	68.7	0.3068	0.00	9.94	0.000 ¹

¹ P_u / φP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
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<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375</p>	Job	22-0511	Page	72 of 78
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	Client	Hunter Communications Group LLC	Designed by	sPerabathula

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	480 - 460	3/4	3.00	2.85	182.7	0.4418	4.14	14.31	0.290 ¹
T2	460 - 440	3/4	3.00	2.85	182.7	0.4418	0.42	14.31	0.030 ¹
T3	440 - 420	3/4	3.00	2.85	182.7	0.4418	0.44	14.31	0.031 ¹
T4	420 - 400	3/4	3.00	2.85	182.7	0.4418	0.40	14.31	0.028 ¹
T5	400 - 380	3/4	3.00	2.85	182.7	0.4418	1.54	14.31	0.108 ¹
T6	380 - 360	3/4	3.00	2.85	182.7	0.4418	0.63	14.31	0.044 ¹
T7	360 - 340	3/4	3.00	2.85	182.7	0.4418	0.63	14.31	0.044 ¹
T8	340 - 320	3/4	3.00	2.85	182.7	0.4418	0.79	14.31	0.055 ¹
T9	320 - 300	3/4	3.00	2.85	182.7	0.4418	1.88	14.31	0.131 ¹
T10	300 - 280	3/4	3.00	2.85	182.7	0.4418	0.89	14.31	0.062 ¹
T11	280 - 260	3/4	3.00	2.85	182.7	0.4418	0.98	14.31	0.068 ¹
T12	260 - 240	3/4	3.00	2.83	181.3	0.4418	1.15	14.31	0.080 ¹
T13	240 - 220	3/4	3.00	2.83	181.3	0.4418	4.23	14.31	0.296 ¹
T14	220 - 200	3/4	3.00	2.83	181.3	0.4418	1.13	14.31	0.079 ¹
T15	200 - 180	3/4	3.00	2.83	181.3	0.4418	1.21	14.31	0.085 ¹
T16	180 - 160	3/4	3.00	2.81	180.0	0.4418	1.25	14.31	0.087 ¹
T17	160 - 140	3/4	3.00	2.81	180.0	0.4418	6.48	14.31	0.453 ¹
T18	140 - 120	3/4	3.00	2.81	180.0	0.4418	1.65	14.31	0.115 ¹
T19	120 - 100	3/4	3.00	2.81	180.0	0.4418	1.68	14.31	0.117 ¹
T20	100 - 80	3/4	3.00	2.81	180.0	0.4418	1.68	14.31	0.117 ¹
T21	80 - 60	3/4	3.00	2.81	180.0	0.4418	2.69	14.31	0.188 ¹
T22	60 - 40	3/4	3.00	2.81	180.0	0.4418	1.80	14.31	0.126 ¹
T23	40 - 20	3/4	3.00	2.81	180.0	0.4418	1.81	14.31	0.127 ¹
T24	20 - 6.6667	3/4	3.00	2.81	180.0	0.4418	1.78	14.31	0.124 ¹
T25	6.6667 - 0	3/4	2.96	2.77	177.6	0.4418	6.49	14.31	0.453 ¹

<p style="text-align: center;"><i>tnxTower</i></p> <p style="text-align: center;">ALL PRO Consulting Group, INC.</p> <p style="text-align: center;">9221 Lyndon B Johnson Freeway, Suite 204</p> <p style="text-align: center;">Dallas, TX 75243</p> <p style="text-align: center;">Phone: 972-231-8893</p> <p style="text-align: center;">FAX: 866-364-8375</p>	<p>Job</p> <p style="text-align: center;">22-0511</p>	<p>Page</p> <p style="text-align: center;">73 of 78</p>
	<p>Project</p> <p style="text-align: center;">WXGI Tower</p>	<p>Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p>Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p>Designed by</p> <p style="text-align: center;">sPerabathula</p>

¹ $P_u / \phi P_n$ controls

Bottom Girt Design Data (Tension)

Section No.	Elevation <i>ft</i>	Size	<i>L</i> <i>ft</i>	<i>L_u</i> <i>ft</i>	<i>Kl/r</i>	<i>A</i> <i>in²</i>	<i>P_u</i> <i>K</i>	ϕP_n <i>K</i>	Ratio $\frac{P_u}{\phi P_n}$
T1	480 - 460	3/4	3.00	2.85	182.7	0.4418	0.42	14.31	0.030 ¹
T2	460 - 440	3/4	3.00	2.85	182.7	0.4418	0.44	14.31	0.031 ¹
T3	440 - 420	3/4	3.00	2.85	182.7	0.4418	0.40	14.31	0.028 ¹
T4	420 - 400	3/4	3.00	2.85	182.7	0.4418	2.20	14.31	0.154 ¹
T5	400 - 380	3/4	3.00	2.85	182.7	0.4418	0.63	14.31	0.044 ¹
T6	380 - 360	3/4	3.00	2.85	182.7	0.4418	0.63	14.31	0.044 ¹
T7	360 - 340	3/4	3.00	2.85	182.7	0.4418	0.79	14.31	0.055 ¹
T8	340 - 320	3/4	3.00	2.85	182.7	0.4418	2.69	14.31	0.188 ¹
T9	320 - 300	3/4	3.00	2.85	182.7	0.4418	0.89	14.31	0.062 ¹
T10	300 - 280	3/4	3.00	2.85	182.7	0.4418	0.98	14.31	0.068 ¹
T11	280 - 260	3/4	3.00	2.85	182.7	0.4418	1.15	14.31	0.080 ¹
T12	260 - 240	3/4	3.00	2.83	181.3	0.4418	4.43	14.31	0.309 ¹
T13	240 - 220	3/4	3.00	2.83	181.3	0.4418	1.13	14.31	0.079 ¹
T14	220 - 200	3/4	3.00	2.83	181.3	0.4418	1.21	14.31	0.085 ¹
T15	200 - 180	3/4	3.00	2.83	181.3	0.4418	1.25	14.31	0.087 ¹
T16	180 - 160	3/4	3.00	2.81	180.0	0.4418	6.64	14.31	0.464 ¹
T17	160 - 140	3/4	3.00	2.81	180.0	0.4418	1.65	14.31	0.115 ¹
T18	140 - 120	3/4	3.00	2.81	180.0	0.4418	1.68	14.31	0.117 ¹
T19	120 - 100	3/4	3.00	2.81	180.0	0.4418	1.68	14.31	0.117 ¹
T20	100 - 80	3/4	3.00	2.81	180.0	0.4418	2.99	14.31	0.209 ¹
T21	80 - 60	3/4	3.00	2.81	180.0	0.4418	1.80	14.31	0.126 ¹
T22	60 - 40	3/4	3.00	2.81	180.0	0.4418	1.81	14.31	0.127 ¹
T23	40 - 20	3/4	3.00	2.81	180.0	0.4418	1.78	14.31	0.124 ¹
T24	20 - 6.6667	3/4	3.00	2.81	180.0	0.4418	7.31	14.31	0.511 ¹

tnxTower ALL PRO Consulting Group, INC. 9221 Lyndon B Johnson Freeway, Suite 204 Dallas, TX 75243 Phone: 972-231-8893 FAX: 866-364-8375	Job 22-0511	Page 74 of 78
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	Client Hunter Communications Group LLC	Designed by sPerabathula

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
									✓

¹ P_u / φP_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T13	240 - 220 (1164)	L3x3x1/4	4.18	4.09	52.8	1.4400	9.57	46.66	0.205 ¹ ✓
T13	240 - 220 (1165)	L3x3x1/4	4.18	4.09	52.8	1.4400	10.94	46.66	0.234 ¹ ✓
T13	240 - 220 (1170)	L3x3x1/4	4.18	4.09	52.8	1.4400	10.85	46.66	0.233 ¹ ✓
T13	240 - 220 (1171)	L3x3x1/4	4.18	4.09	52.8	1.4400	9.43	46.66	0.202 ¹ ✓
T13	240 - 220 (1176)	L3x3x1/4	4.18	4.09	52.8	1.4400	10.78	46.66	0.231 ¹ ✓
T13	240 - 220 (1177)	L3x3x1/4	4.18	4.09	52.8	1.4400	9.71	46.66	0.208 ¹ ✓
T17	160 - 140 (1182)	L3x3x1/4	4.18	4.08	52.7	1.4400	12.23	46.66	0.262 ¹ ✓
T17	160 - 140 (1183)	L3x3x1/4	4.18	4.08	52.7	1.4400	13.10	46.66	0.281 ¹ ✓
T17	160 - 140 (1188)	L3x3x1/4	4.18	4.08	52.7	1.4400	12.83	46.66	0.275 ¹ ✓
T17	160 - 140 (1189)	L3x3x1/4	4.18	4.08	52.7	1.4400	11.77	46.66	0.252 ¹ ✓
T17	160 - 140 (1194)	L3x3x1/4	4.18	4.08	52.7	1.4400	12.58	46.66	0.270 ¹ ✓
T17	160 - 140 (1195)	L3x3x1/4	4.18	4.08	52.7	1.4400	12.48	46.66	0.267 ¹ ✓

¹ P_u / φP_n controls

Torque-Arm Bottom Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T17	160 - 140 (1184)	L3x3x1/4	5.39	5.27	67.9	1.4400	1.82	46.66	0.039 ¹ ✓
T17	160 - 140 (1185)	L3x3x1/4	5.39	5.27	67.9	1.4400	3.23	46.66	0.069 ¹ ✓
T17	160 - 140 (1190)	L3x3x1/4	5.39	5.27	67.9	1.4400	2.70	46.66	0.058 ¹ ✓

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	<p style="text-align: center;">Project</p> <p style="text-align: center;">WXGI Tower</p>	<p style="text-align: center;">Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p style="text-align: center;">Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">sPerabathula</p>

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
T17	160 - 140 (1191)	L3x3x1/4	5.39	5.27	67.9	1.4400	1.30	46.66	0.028 ¹ ✓
T17	160 - 140 (1196)	L3x3x1/4	5.39	5.27	67.9	1.4400	1.74	46.66	0.037 ¹ ✓
T17	160 - 140 (1197)	L3x3x1/4	5.39	5.27	67.9	1.4400	2.71	46.66	0.058 ¹ ✓

¹ P_u / φP_n controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	φP _{allow} K	% Capacity	Pass Fail
L1	500 - 480	Pole	P6x.28	1	-0.74	180.84	56.3	Pass
T1	480 - 460	Leg	1 3/4	4	-13.09	59.04	22.2	Pass
T2	460 - 440	Leg	1 3/4	50	-18.10	59.04	30.6	Pass
T3	440 - 420	Leg	1 3/4	98	-18.70	59.04	31.7	Pass
T4	420 - 400	Leg	1 3/4	148	-16.96	59.04	28.7	Pass
T5	400 - 380	Leg	1 3/4	196	-26.00	59.04	44.0	Pass
T6	380 - 360	Leg	1 3/4	242	-26.99	59.04	45.7	Pass
T7	360 - 340	Leg	1 3/4	290	-27.01	59.04	45.7	Pass
T8	340 - 320	Leg	1 3/4	339	-33.93	59.04	57.5	Pass
T9	320 - 300	Leg	1 3/4	388	-35.70	59.04	60.5	Pass
T10	300 - 280	Leg	1 3/4	436	-37.96	59.04	64.3	Pass
T11	280 - 260	Leg	1 3/4	484	-41.76	59.04	70.7	Pass
T12	260 - 240	Leg	2	530	-54.51	88.88	61.3	Pass
T13	240 - 220	Leg	2	580	-55.92	88.88	62.9	Pass
T14	220 - 200	Leg	2	627	-53.62	88.88	60.3	Pass
T15	200 - 180	Leg	2	675	-57.41	88.88	64.6	Pass
T16	180 - 160	Leg	2 1/4	723	-64.20	124.00	51.8	Pass
T17	160 - 140	Leg	2 1/4	772	-75.79	124.00	61.1	Pass
T18	140 - 120	Leg	2 1/4	820	-85.16	124.00	68.7	Pass
T19	120 - 100	Leg	2 1/4	868	-86.41	124.00	69.7	Pass
T20	100 - 80	Leg	2 1/4	916	-86.01	124.00	69.4	Pass
T21	80 - 60	Leg	2 1/4	964	-90.56	124.00	73.0	Pass
T22	60 - 40	Leg	2 1/4	1012	-92.83	124.00	74.9	Pass
T23	40 - 20	Leg	2 1/4	1060	-92.84	124.00	74.9	Pass
T24	20 - 6.6667	Leg	2 1/4	1108	-90.89	124.19	73.2	Pass
T25	6.6667 - 0	Leg	2 1/4	1142	-92.64	121.76	76.1	Pass
T1	480 - 460	Diagonal	1	48	-1.84	8.67	21.2	Pass
T2	460 - 440	Diagonal	1	94	-1.10	8.67	12.7	Pass
T3	440 - 420	Diagonal	1	108	-1.64	8.67	18.9	Pass
T4	420 - 400	Diagonal	1	156	-2.30	8.67	26.6	Pass
T5	400 - 380	Diagonal	1	238	-1.89	8.67	21.8	Pass
T6	380 - 360	Diagonal	1	252	-1.44	8.67	16.7	Pass
T7	360 - 340	Diagonal	1	300	-2.13	8.67	24.6	Pass
T8	340 - 320	Diagonal	1	349	-4.06	8.67	46.8	Pass
T9	320 - 300	Diagonal	1	424	-1.90	8.67	21.9	Pass
T10	300 - 280	Diagonal	1	445	-2.54	8.67	29.3	Pass
T11	280 - 260	Diagonal	1	493	-3.40	8.67	39.2	Pass
T12	260 - 240	Diagonal	1 1/4	541	-4.25	20.16	21.1	Pass
T13	240 - 220	Diagonal	1 1/4	622	-8.52	20.16	42.3	Pass
T14	220 - 200	Diagonal	1 1/4	671	-4.06	20.16	20.1	Pass
T15	200 - 180	Diagonal	1 1/4	685	-3.75	20.16	18.6	Pass

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	<p style="text-align: center;">Project</p> <p style="text-align: center;">WXGI Tower</p>	<p style="text-align: center;">Date</p> <p style="text-align: center;">11:19:25 07/05/22</p>
	<p style="text-align: center;">Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">sPerabathula</p>

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T16	180 - 160	Diagonal	1 1/4	740	-5.68	20.36	27.9	Pass
T17	160 - 140	Diagonal	1 1/4	816	-12.04	20.36	59.1	Pass
T18	140 - 120	Diagonal	1	864	-6.88	8.93	77.1	Pass
T19	120 - 100	Diagonal	1	876	-3.98	8.93	44.6	Pass
T20	100 - 80	Diagonal	1	924	-5.26	8.93	58.9	Pass
T21	80 - 60	Diagonal	1	1008	-3.16	8.93	35.4	Pass
T22	60 - 40	Diagonal	1	1054	-1.78	8.93	19.9	Pass
T23	40 - 20	Diagonal	1	1069	-2.37	8.93	26.5	Pass
T24	20 - 6.6667	Diagonal	1	1117	-3.26	8.95	36.4	Pass
T25	6.6667 - 0	Diagonal	1	1149	-1.61	11.46	14.1	Pass
T1	480 - 460	Horizontal	3/4	16	-0.31	6.05	5.1	Pass
T2	460 - 440	Horizontal	3/4	65	-0.42	6.05	7.0	Pass
T3	440 - 420	Horizontal	3/4	120	-0.44	6.05	7.2	Pass
T4	420 - 400	Horizontal	3/4	160	-0.40	6.05	6.6	Pass
T5	400 - 380	Horizontal	3/4	215	-0.61	6.05	10.0	Pass
T6	380 - 360	Horizontal	3/4	257	-0.63	6.05	10.4	Pass
T7	360 - 340	Horizontal	3/4	305	-0.63	6.05	10.4	Pass
T8	340 - 320	Horizontal	3/4	365	-0.79	6.05	13.1	Pass
T9	320 - 300	Horizontal	3/4	406	-0.84	6.05	13.9	Pass
T10	300 - 280	Horizontal	3/4	462	-0.89	6.05	14.7	Pass
T11	280 - 260	Horizontal	3/4	496	-0.98	6.05	16.1	Pass
T12	260 - 240	Horizontal	3/4	552	-1.15	6.13	18.8	Pass
T13	240 - 220	Horizontal	3/4	619	-1.29	6.13	21.0	Pass
T14	220 - 200	Horizontal	3/4	639	-1.13	6.13	18.5	Pass
T15	200 - 180	Horizontal	3/4	687	-1.21	6.13	19.8	Pass
T16	180 - 160	Horizontal	3/4	735	-1.25	6.21	20.1	Pass
T17	160 - 140	Horizontal	3/4	813	-2.88	6.21	46.4	Pass
T18	140 - 120	Horizontal	3/4	832	-1.65	6.21	26.6	Pass
T19	120 - 100	Horizontal	3/4	880	-1.68	6.21	27.0	Pass
T20	100 - 80	Horizontal	3/4	942	-1.68	6.21	27.1	Pass
T21	80 - 60	Horizontal	3/4	976	-1.76	6.21	28.3	Pass
T22	60 - 40	Horizontal	3/4	1024	-1.80	6.21	29.0	Pass
T23	40 - 20	Horizontal	3/4	1079	-1.81	6.21	29.2	Pass
T24	20 - 6.6667	Horizontal	3/4	1120	-1.78	6.21	28.6	Pass
T25	6.6667 - 0	Horizontal	3/4	1147	-1.87	10.13	18.5	Pass
T1	480 - 460	Secondary Horizontal	5/8	21	-0.00	6.78	0.1	Pass
T2	460 - 440	Secondary Horizontal	5/8	97	-0.00	6.78	0.1	Pass
T3	440 - 420	Secondary Horizontal	5/8	110	-0.00	6.78	0.1	Pass
T4	420 - 400	Secondary Horizontal	5/8	158	-0.00	6.78	0.1	Pass
T5	400 - 380	Secondary Horizontal	5/8	206	-0.00	6.78	0.1	Pass
T6	380 - 360	Secondary Horizontal	5/8	254	-0.00	6.78	0.1	Pass
T7	360 - 340	Secondary Horizontal	5/8	302	0.00	9.94	0.1	Pass
T8	340 - 320	Secondary Horizontal	5/8	350	-0.00	6.78	0.1	Pass
T9	320 - 300	Secondary Horizontal	5/8	398	0.00	9.94	0.1	Pass
T10	300 - 280	Secondary Horizontal	5/8	446	0.00	9.94	0.1	Pass
T11	280 - 260	Secondary Horizontal	5/8	494	0.00	9.94	0.1	Pass
T12	260 - 240	Secondary Horizontal	5/8	556	0.00	9.94	0.1	Pass
T13	240 - 220	Secondary Horizontal	5/8	590	0.00	9.94	0.1	Pass
T14	220 - 200	Secondary Horizontal	5/8	638	0.00	9.94	0.1	Pass
T15	200 - 180	Secondary Horizontal	5/8	686	0.00	9.94	0.1	Pass
T16	180 - 160	Secondary Horizontal	5/8	748	0.00	9.94	0.1	Pass
T17	160 - 140	Secondary Horizontal	5/8	782	0.00	9.94	0.1	Pass
T18	140 - 120	Secondary Horizontal	5/8	830	0.00	9.94	0.1	Pass
T19	120 - 100	Secondary Horizontal	5/8	878	-0.00	6.78	0.1	Pass
T20	100 - 80	Secondary Horizontal	5/8	940	-0.00	6.78	0.1	Pass
T21	80 - 60	Secondary Horizontal	5/8	974	-0.00	6.78	0.1	Pass
T22	60 - 40	Secondary Horizontal	5/8	1022	-0.00	6.78	0.1	Pass
T23	40 - 20	Secondary Horizontal	5/8	1070	-0.00	6.78	0.1	Pass
T24	20 - 6.6667	Secondary Horizontal	5/8	1132	-0.00	6.78	0.1	Pass
T25	6.6667 - 0	Secondary Horizontal	5/8	1152	-0.00	7.76	0.0	Pass
T1	480 - 460	Top Girt	3/4	5	4.14	14.31	29.0	Pass

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	<p style="text-align: center;">Client</p> <p style="text-align: center;">Hunter Communications Group LLC</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">sPerabathula</p>

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T2	460 - 440	Top Girt	3/4	55	-0.42	6.05	7.0	Pass
T3	440 - 420	Top Girt	3/4	103	-0.44	6.05	7.2	Pass
T4	420 - 400	Top Girt	3/4	150	-0.40	6.05	6.6	Pass
T5	400 - 380	Top Girt	3/4	199	1.54	14.31	10.8	Pass
T6	380 - 360	Top Girt	3/4	247	-0.63	6.05	10.4	Pass
T7	360 - 340	Top Girt	3/4	295	-0.63	6.05	10.4	Pass
T8	340 - 320	Top Girt	3/4	341	-0.79	6.05	13.1	Pass
T9	320 - 300	Top Girt	3/4	389	-0.84	6.05	13.9	Pass
T10	300 - 280	Top Girt	3/4	438	-0.89	6.05	14.7	Pass
T11	280 - 260	Top Girt	3/4	486	-0.98	6.05	16.1	Pass
T12	260 - 240	Top Girt	3/4	535	-1.15	6.13	18.8	Pass
T13	240 - 220	Top Girt	3/4	582	-2.33	6.13	38.0	Pass
T14	220 - 200	Top Girt	3/4	629	-1.13	6.13	18.5	Pass
T15	200 - 180	Top Girt	3/4	677	-1.21	6.13	19.8	Pass
T16	180 - 160	Top Girt	3/4	725	-1.25	6.21	20.1	Pass
T17	160 - 140	Top Girt	3/4	774	-4.06	6.21	65.4	Pass
T18	140 - 120	Top Girt	3/4	822	-1.65	6.21	26.6	Pass
T19	120 - 100	Top Girt	3/4	870	-1.68	6.21	27.0	Pass
T20	100 - 80	Top Girt	3/4	918	-1.68	6.21	27.1	Pass
T21	80 - 60	Top Girt	3/4	966	-1.76	6.21	28.3	Pass
T22	60 - 40	Top Girt	3/4	1014	-1.80	6.21	29.0	Pass
T23	40 - 20	Top Girt	3/4	1062	-1.81	6.21	29.2	Pass
T24	20 - 6.6667	Top Girt	3/4	1110	-1.78	6.21	28.6	Pass
T25	6.6667 - 0	Top Girt	3/4	1145	6.49	14.31	45.3	Pass
T1	480 - 460	Bottom Girt	3/4	10	-0.42	6.05	7.0	Pass
T2	460 - 440	Bottom Girt	3/4	58	-0.44	6.05	7.2	Pass
T3	440 - 420	Bottom Girt	3/4	105	-0.40	6.05	6.6	Pass
T4	420 - 400	Bottom Girt	3/4	154	2.20	14.31	15.4	Pass
T5	400 - 380	Bottom Girt	3/4	202	-0.63	6.05	10.4	Pass
T6	380 - 360	Bottom Girt	3/4	250	-0.63	6.05	10.4	Pass
T7	360 - 340	Bottom Girt	3/4	296	-0.79	6.05	13.1	Pass
T8	340 - 320	Bottom Girt	3/4	346	2.69	14.31	18.8	Pass
T9	320 - 300	Bottom Girt	3/4	393	-0.89	6.05	14.7	Pass
T10	300 - 280	Bottom Girt	3/4	441	-0.98	6.05	16.1	Pass
T11	280 - 260	Bottom Girt	3/4	490	-1.15	6.05	19.0	Pass
T12	260 - 240	Bottom Girt	3/4	537	-2.46	6.13	40.2	Pass
T13	240 - 220	Bottom Girt	3/4	584	-1.13	6.13	18.5	Pass
T14	220 - 200	Bottom Girt	3/4	632	-1.21	6.13	19.8	Pass
T15	200 - 180	Bottom Girt	3/4	680	-1.25	6.13	20.3	Pass
T16	180 - 160	Bottom Girt	3/4	729	-4.17	6.21	67.3	Pass
T17	160 - 140	Bottom Girt	3/4	777	-1.65	6.21	26.6	Pass
T18	140 - 120	Bottom Girt	3/4	825	-1.68	6.21	27.0	Pass
T19	120 - 100	Bottom Girt	3/4	873	-1.68	6.21	27.1	Pass
T20	100 - 80	Bottom Girt	3/4	921	-1.76	6.21	28.3	Pass
T21	80 - 60	Bottom Girt	3/4	969	-1.80	6.21	29.0	Pass
T22	60 - 40	Bottom Girt	3/4	1017	-1.81	6.21	29.2	Pass
T23	40 - 20	Bottom Girt	3/4	1065	-1.78	6.21	28.6	Pass
T24	20 - 6.6667	Bottom Girt	3/4	1114	7.31	14.31	51.1	Pass
T1	480 - 460	Guy A@479.917	1/2	1155	12.10	16.14	75.0	Pass
T5	400 - 380	Guy A@400	7/16	1158	10.27	12.48	82.3	Pass
T9	320 - 300	Guy A@320	1/2	1161	10.86	16.14	67.3	Pass
T13	240 - 220	Guy A@240	1/2	1175	9.04	16.14	56.0	Pass
T17	160 - 140	Guy A@160	1/2	1192	11.78	16.14	73.0	Pass
T21	80 - 60	Guy A@80	7/16	1200	9.64	12.48	77.2	Pass
T1	480 - 460	Guy B@479.917	1/2	1154	12.16	16.14	75.3	Pass
T5	400 - 380	Guy B@400	7/16	1157	10.28	12.48	82.4	Pass
T9	320 - 300	Guy B@320	1/2	1160	10.88	16.14	67.4	Pass
T13	240 - 220	Guy B@240	1/2	1169	8.89	16.14	55.1	Pass
T17	160 - 140	Guy B@160	1/2	1187	11.80	16.14	73.1	Pass
T21	80 - 60	Guy B@80	7/16	1199	9.61	12.48	77.0	Pass
T1	480 - 460	Guy C@479.917	1/2	1153	12.17	16.14	75.4	Pass

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Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T5	400 - 380	Guy C@400	7/16	1156	10.33	12.48	82.8	Pass
T9	320 - 300	Guy C@320	1/2	1159	10.96	16.14	67.9	Pass
T13	240 - 220	Guy C@240	1/2	1162	9.22	16.14	57.2	Pass
T17	160 - 140	Guy C@160	1/2	1180	11.90	16.14	73.7	Pass
T21	80 - 60	Guy C@80	7/16	1198	9.65	12.48	77.3	Pass
T13	240 - 220	Torque Arm Top@240	L3x3x1/4	1165	10.94	46.66	23.4	Pass
T17	160 - 140	Torque Arm Top@160	L3x3x1/4	1183	13.10	46.66	28.1	Pass
T13	240 - 220	Torque Arm Bottom@240	L3x3x1/4	1178	-10.92	43.46	25.1	Pass
T17	160 - 140	Torque Arm Bottom@160	L3x3x1/4	1184	-13.84	43.50	31.8	Pass
						Summary		
						Pole (L1)	56.3	Pass
						Leg (T25)	76.1	Pass
						Diagonal (T18)	77.1	Pass
						Horizontal (T17)	46.4	Pass
						Secondary Horizontal (T1)	0.1	Pass
						Top Girt (T17)	65.4	Pass
						Bottom Girt (T16)	67.3	Pass
						Guy A (T5)	82.3	Pass
						Guy B (T5)	82.4	Pass
						Guy C (T5)	82.8	Pass
						Torque Arm Top (T17)	28.1	Pass
						Torque Arm Bottom (T17)	31.8	Pass
						Bolt Checks	50.7	Pass
						RATING =	82.8	Pass