

K45IO-D, Kansas City, MO, Facility ID# 49182
Section 73.3598(b) Tolling and Extension of License Request

Ventana Television's displacement CP was granted August 29, 2018 (FCC File No. 0000054324) to move from channel 45 to channel 15 to accommodate the repacking necessary for wireless service use of the 600 MHz spectrum. Ventana Television had approximately 17 other low power television stations affected by the repacking process at that time.

Ventana Television received its Form 399 eligibility confirmation on October 28, 2019 (FCC File No. 0000087461). Ventana Television filed its initial Form 399 reimbursement request form on November 14, 2019 (FCC File No. 0000089648).

Ventana Television shut down its broadcast operations on K45IO-D per the FCC's guardband channel discontinuation order and was granted a Silent STA on July 27, 2020 (FCC File No. 0000118553).

Ventana Television was granted a minor modification on January 7, 2021 to its displacement CP to accommodate an antenna that made better use of the very tight directional pattern required for the displacement and extended its Silent STA for an additional six months on January 15, 2021 (FCC File No. 0000131318).

Ventana Television subsequently filed a second minor modification to its displacement CP on May 18, 2021 (FCC File No. 0000146018) necessitated by additional new mapping information provided American Tower, owner of the tower leased for the displacement location. The new information revealed that the original antenna height was inaccurate by about 10 feet. This modification designates the accurate HAAT and accurately specifies the actual new installation.

As has been widely reported, the period during which K45IO-D was required to go silent, rebuild, modify its CP and order equipment, including the highly specialized antenna, and obtain tower crews coincided with the onset of the COVID-19 pandemic which had a severe impact on repacked stations due to significant back-ordering of broadcasting equipment and tower crews scheduling.

In the face of these challenges, Ventana Television was able to order a new antenna in anticipation of transmitting on Channel 15. The antenna has been fabricated and was delivered to the tower site as of April 22, 2021 (See Micronetixx Technologies invoice C2285-A included with this submission). Additionally, the transmitter equipment (See Hitachi invoices S10820-1 and S10820-2 included with this submission) has been delivered and partially installed at the tower site as of July 16, 2021. A tower crew has been selected and engaged by Ventana Television and is ready to proceed as soon as possible (See HSN Purchase Order dated 6/8/2021 included with this submission).

However, Ventana Television has not to date received a Notice to Proceed from the tower site owner (American Tower) for the antenna installation. A structural analysis of the tower was performed for the site by American Tower's contractors and the results were provided to American Tower on or about May 10, 2021. The analysis indicates a current overloading of the tower of 17% and thus American Tower is prohibiting any further installation until the overload condition is ameliorated as per its email to Ventana Television's chief engineer John Collinson on June 14, 2021 (See the email between Ventana Television and American Tower, dated August 20, 2021). Ventana Television repeatedly requested information from the tower owner commencing upon June 14, 2021, as to what is the cause of the overloading and how, if possible, Ventana Television could address it. Despite repeated requests and reminders of its approaching construction deadline, a useful response was not received until August 20, 2021, when Ventana Television was finally delivered the subject tower study along with the expectation that Ventana Television pay for the costs of all remediation. Understandably, Ventana Television has not had a reasonable time to review and digest the tower study, nor has Ventana Television had the opportunity as yet to fully vet how it will accommodate the tower owner's requirements prior to receiving the Notice to Proceed.

Given that all of the necessary equipment to resume broadcast operations are now at the tower site and an installation crew has been retained, Ventana Television expects to have its antenna installed at the tower site very quickly once the issues respecting responsibility for tower strengthening remediation is sorted out.

Accordingly, a tolling of the construction permit (FCC File No. 0000054324) is requested for a period of six months from the date of this application. In addition, for the reasons stated above, Ventana Television requests an extension of its license for K45IO-D pursuant to 47 U.S.C. 312(g), beyond the one-year silent anniversary.

This application is in the public interest by enabling K45IO-D to return to normal broadcasting as soon as the facility can be rebuilt as K15MB-D on its repack channel 15.



Hitachi Kokusai Electric Comark LLC
 104 Feeding Hills Road, Southwick, MA 01077
 Phone:413-998-1100 Fax:413-998-1194
 Tax ID: 27-4660540

CUST ORDER #	S10820
INVOICE #	S10820-2
PO #	HN813205850
DUE DATE	6/10/2021

06/10/21

INVOICE

BILL TO:

HSN, INC - K15MB
 1 HSN DR.
 ST PETERSBURG FL 33729-0001
 USA

SHIP TO:

HSN, INC - K15MB
 C/O AMERICAN TOWER COMPOUND
 6309 E 56TH ST
 KANSAS CITY MO 64129-2511
 USA

email invoice to: John.Collinson@hsn.net
invoices+HSN@qvc.coupa.com

BILL TO CODE: 11057

ITEM	PRODUCT NUMBER	DESCRIPTION	CONTRACT PRICE	PERCENT DUE	TAX	EXTENSION
1	EC10820	K15MB, SYS EC701HP-BB2 SD 220VAC D15	\$32,830.00	50.0%	*	\$16,415.00
2	NS1	UPGRADE TO 8 POLE FILTER	\$1,295.00	50.0%	*	\$647.50
3	NS2	UPGRADE 8RU RACK TO 25RU	\$1,500.00	50.0%	*	\$750.00
		TAX 7.475%	\$2,662.97	50.0%		\$1,331.48
		FACILITY ID: 49176 PROPOSAL P#3680-030221-R7				
		PAYMENT TERMS 50% DEPOSIT DUE WITH ORDER 50% PRIOR TO SHIPMENT				
		FOR ELECTRONIC PAYMENTS: WESTFIELD BANK, WESTFIELD, MA ABA# 211871604 SWIFT:WFLDUS33 BANK ACCT. #: 1001323052				
		TOTAL INVOICE AMOUNT				\$19,143.98

Authorized Signature



Invoice

Micronetixx Technologies, LLC
 70 Commercial Street
 Lewiston, ME 04240

Date	Invoice #
4/7/2021	C2285-B

Bill To
HSN Inc. 1 HSN Drive St. Petersburg, FL 33729

Ship To
6309 E. 56th Street Kansas City, MO 64129 Attn: John Collinson

P.O. No.	Terms	Project
HN813198174	Due upon receipt	

Item	Description	Qty	Rate	Amount
Antenna	CS-2030-G16 E/P Antenna	0.5	29,600.00	14,800.00
Freight	Freight/Shipping	1	1,342.37	1,342.37

Phone #	(207) 786-2000	Total	\$16,142.37
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Please contact lpham@micronetixx.com if you have any questions concerning this invoice.
 Thank you

Payments/Credits	\$0.00
Balance Due	\$16,142.37



PURCHASE ORDER

**HN-PRECISION
COMMUNICATIONS, LLC**
-0030023257
506 INDUSTRIAL ROAD
GROVE, OK 74344

PO NUMBER **HN813205937**
DATE **06/08/2021**
PAYMENT TERMS **IN45**
 within 45 days
SHIPPING TERMS **DDP**
CURRENCY **USD**
CONTRACT
CONTACT

John Collinson
John.Collinson@hsn.net

Ship To

6309 E 56th St
Kansas City, MO 64129
Attn: John Collinson

Bill To

HSN, Inc.
1 HSN Dr.
St. Petersburg, FL 33729
Attn: Accounts Payable
invoices+HSN@qvc.coupahost.com
Acct: #0030023257

Line	Description	Qty	Unit	Price	Total
1.	Antenna replacement for Kansas City Ventana tower Quote#: Proposal 210502-5			42,300.00	42,300.00
				0 Units	42,300.00 USD

*****INVOICES SHOULD BE SENT ELECTRONICALLY TO
invoices+HSN@qvc.coupahost.com*****

*****PLEASE BE SURE TO INCLUDE PO # ON ALL INVOICES SENT TO QVC*****

BY ACCEPTANCE OF THIS ORDER, VENDOR REPRESENTS AND AGREES AS FOLLOWS:

1. Oral or written notice of acceptance by Vendor, preparation to perform, shipment of all or any of the item(s) to be purchased hereunder ("Item(s)") and/or provision of any or all of the service(s) (including any deliverable(s) associated therewith) contemplated hereunder ("Service(s)") shall constitute acceptance by Vendor of the terms and conditions contained herein. If delivery and/or Service dates cannot be met, Vendor will promptly inform Buyer in writing of Vendor's best possible delivery and/or Service dates, subject to Buyer's acceptance.

2. Vendor hereby agrees to protect, defend, hold harmless and indemnify Buyer, its subsidiaries and affiliates, and each of their respective employees, agents, officers, directors, successors and assigns, from and against any and all claims, actions, suits, costs, liability, damages and expenses (including, but not limited to, reasonable attorneys' fees and in-house counsel costs) based upon or resulting from: (a) the infringement and/or alleged infringement of any patent, trademark, trade name, service mark, copyright or any other third party intellectual property and/or other rights by the use of the Item(s) and/or the provision and/or use of Service(s); (b) any alleged and/or actual injury or death to person or damage to property in connection with the use or operation of the Item(s) and/or

the provision and/or use of Service(s); (c) failure of the Item(s) and/or Service(s) to comply with any specifications, or with express or implied warranties of Vendor and/or warranties arising by operation of law; and (d) any violation and/or alleged violation by Vendor, Service(s) and/or the Item(s) of any applicable federal, state, local or foreign statute, law, rule, regulation or order.

3. In addition to and without prejudice to any and all other warranties, express or implied by law, Vendor represents, warrants and covenants to and with Buyer that: (a) Vendor possesses all licenses, permits, rights and consents required to enter into this purchase order ("Order") and to sell the Item(s) and provide the Service(s) referenced herein to Buyer; (b) all of the Item(s) furnished hereunder, including the production, sale, packaging, labeling, safety, importation and transportation thereof, and all representations by Vendor made or authorized to be made in connection therewith, shall at all times comply with all applicable federal, state, local and foreign statutes, laws, rules, regulations and orders; (c) the Item(s) and/or Service(s) is of consistent kind and quality, and conforms to all instructions, specifications, or samples; (d) all manufacturers' warranties are completely effective and enforceable by Buyer; (e) the trademarks, trade names, service marks, copyrights and/or patents, if any, which are part of or appear in connection with the Item(s) and Service(s) are valid and genuine and the use of the Item(s) and/or the Service(s) by Buyer will not infringe any United States or foreign patents, trademarks, trade names, service marks, copyrights or any other third party rights; (f) the title of Vendor to the Item(s) is good and its transfer hereunder rightful, and neither the Item(s) nor any component part thereof is subject to any import quota restriction, rule or regulation preventing or forbidding the importation, sale or use of the Item(s) or any component part thereof, or subject to any duty, tariff, or penalty in connection therewith, except as may have been disclosed in writing by Vendor to Buyer; (g) all Item(s) and Service(s) may be conveyed to Buyer free and clear of claim of ownership by others; (h) the Service(s) and/or the use thereof will not infringe on a third party's intellectual property rights and will not violate any applicable law, rule or regulation; (i) the Service(s) will be of a professional and workmanlike manner conforming to generally accepted industry standards for similar services and work product; (j) the purchase price to be paid by Buyer to Vendor for the Item(s) and Service(s) purchased pursuant hereto shall be under the most favorable terms, and same or similar Item(s) are not being and will not be offered to any other purchaser at a lesser cost or under more favorable terms than appear herein; (k) Vendor and anyone acting on its behalf are in compliance with all laws administered by the Office of Foreign Assets Control or any other applicable economic sanctions and trade embargoes against designated countries, entities, and persons (collectively, "Embargoed Targets") by a governmental authority (collectively, "Economic Sanctions Laws"); Vendor is not an Embargoed Target or otherwise subject to any Economic Sanctions Laws; and Vendor will not directly or indirectly export, re-export, transship, or otherwise deliver the Items or any portion thereof to an Embargoed Target or broker, finance, or otherwise facilitate any transaction, in violation of any Economic Sanctions Laws; and (l) Vendor and anyone acting on its behalf will comply with all applicable anti-bribery/anti-corruption laws, including but not limited to the U.S. Foreign Corrupt Practices Act and the U.K. Bribery Act, and will not give, offer, agree or promise to give, or authorize the giving, directly or indirectly, of any money or other thing of value to anyone as an inducement or reward for favorable action or forbearance from action or the exercise of influence, or for any other improper advantage. All warranties, including without limitation, express and implied warranties and warranties arising by operation of law, and all representations shall constitute covenants as well as conditions and shall survive inspection, delivery, acceptance and payment. Buyer has specifically relied upon the above representations, warranties and covenants in entering into this Order.

4. Time is of the essence. Buyer reserves the right to cancel this Order or any part thereof if Item(s) and/or Service(s) conforming to specifications shall not be shipped and received and/or furnished at the times and in the quantities specified herein, or if Buyer is notified that any Item(s) and/or Service(s) furnished hereunder is alleged to infringe any patent, trademark or copyright.

5. Any of the Item(s) or Service(s) furnished hereunder that is not in compliance with specifications hereof, or is shipped or provided contrary to instructions, or in any unauthorized quantity, or substituted for the Item(s) or Service(s) herein specified, or is below sample or standard, or allegedly violates any governmental law, rule or regulation, may be rejected by Buyer (or any acceptance thereof by Buyer may be revoked) at Buyer's option and in the case of Item(s), returned at Vendor's expense, or may be held by Buyer at Vendor's expense and risk. All expense of unpacking, examining, repacking, storing and reshipping any Item(s) rejected (or acceptance of which has been revoked) as aforesaid shall be at Vendor's expense. Unless expressly stated otherwise, reworked, rebuilt or refurbished Item(s) shall not be furnished hereunder.

6. Vendor warrants that each of the Item(s) shipped is first quality merchandise and shall be free from all defects, including latent defects, in workmanship, material and design. In the event defects or imperfections are detected by Buyer, the Item(s) shall be returned to the Vendor at the Vendor's expense which shall include freight in and freight out. Vendor acknowledges that the Buyer does not inspect each item at receipt of the Item(s) and therefore Vendor understands that damages or imperfections may not be discovered by Buyer until they are actually used or closely examined by Buyer and may be returned to Vendor after such use.

7. Any Item(s) and/or Service(s) returned or rejected by Buyer is not to be replaced or provided again by Vendor without the prior written approval of Buyer. Except to the extent Buyer so approves replacement, returns shall be made for credit or, at Buyer's option, cash.

8. Vendor shall not assign this Order, or any part hereof, without the prior written consent of Buyer, and any such attempted assignment shall be void. All claims for money due or to become due from Buyer shall be subject to deduction by Buyer for any set-off or counterclaim arising out of this Order or any other of Buyer's purchase orders with Vendor, whether such set-off or counterclaim arose before or after any assignment by Vendor. Regardless of sale terms, Item(s) remaining under the control of Vendor or its agents shall be insured by Vendor against loss by casualty or theft.

9. All dating will begin at the date the Item(s) or Service(s) or invoice is received by Buyer, whichever is later. If the Item(s), Service(s) or invoice is received on or after the twenty-fifth (25th) day of the month, End of Month terms begin on the first (1st) day of the following month. Payment of invoice does not constitute acceptance of the Item(s) and Service(s) covered by this Order, and is without prejudice to any and all claims of Buyer against Vendor.

10. Prices set forth on this Order are guaranteed by Vendor against decline in the prices of the manufacturer or Vendor for such or comparable goods or services, and against the lower prices of legitimate competition for such or comparable goods or services, until date of delivery. Vendor shall meet its lower prices and the lower prices of legitimate competition, or accept cancellation at Buyer's option. Vendor warrants and represents that any and all prices, advertising allowances, discounts and other benefits without limitation, offered to Buyer, shall comply with all applicable federal, state, local and foreign statutes, laws, rules, regulations and orders.

11. In the event of fire, flood, windstorm, earthquake, war, strike, or any other casualty or occurrence of a similar nature substantially and adversely affecting Buyer's premises or business, Buyer reserves the right to cancel this Order or any part thereof as to any and all Item(s) not shipped or Service(s) not provided prior to receipt by Vendor of notice of cancellation.

12. No waiver by Buyer of any term, provision or condition hereof shall be deemed to constitute a waiver of any other term, provision or condition of this Order, or a waiver of the same or of any other term, provision or condition with regard to subsequent transactions, or subsequent parts of the same transaction, including without limitation, subsequent shipments under this Order.

13. This Order shall be governed by the laws of the state/commonwealth and county where the Buyer's principal place of business (as indicated on the front of this Order) is located. Regardless of place of acceptance, Vendor hereby consents to the exclusive jurisdiction of such state/commonwealth and county, as well as, the applicable federal courts, which correspond to such state/commonwealth and county, in all disputes and matters arising hereunder. Vendor hereby irrevocably agrees to service of process by certified mail, return receipt requested, to its address as set forth on the front of this Order or to such other address as Vendor may specify by written notice to Buyer.

14. This Order, the contract (if any) under or with which it was issued (the "Overlying Agreement") and any separate written warranties and specifications, and the terms and conditions herein and therein, constitute the full understanding of the parties hereto and a complete and exclusive statement of the terms of the parties' agreement concerning the Item(s) and the Service(s). No condition, understanding or agreement purporting to modify or vary the terms of this Order or the Overlying Agreement shall be binding unless hereafter made in writing and signed by the party to be bound, and no modification shall be effected by the acknowledgment or acceptance of this Order or of invoices, shipping documents or other documents containing terms or conditions at variance with or in addition to those set forth herein. In the event of any conflict between this Order and the Overlying Agreement, the terms of the Overlying Agreement shall control.

15. If any provision contained in this Order shall be determined to be unenforceable or prohibited by law, then such provision shall be void, and the remaining provisions herein shall not in any way be affected or impaired thereby.

16. To the extent any software is included in any Item(s) or delivered with any Service(s) purchased by Buyer hereunder, Vendor hereby grants to Buyer and its affiliates a perpetual, nonexclusive, assignable, worldwide license to install on the systems of Buyer and its affiliates and to use for productive purposes any such software. This license includes, without limitation, a grant to Buyer of the right to use such software for the benefit of Buyer, including any affiliate of Buyer, and of any divested business unit of Buyer or an affiliate of Buyer, and for the performance of services for the benefit of Buyer and its affiliates by their third party providers of services in the ordinary course of their business. The parties agree that no so-called "shrink-wrap" or "click-wrap" or "click-agree" agreements or license terms shall apply to any Item(s) or Service(s) provided hereunder. In the event that licenses or other terms or conditions related to the Item(s) or Service(s) are provided with the Item(s) and/or the Service(s) or are otherwise made available to Buyer, the terms and conditions of this Order shall prevail and such other licenses, terms or conditions shall have no force or effect.

17. Notwithstanding any legal presumption to the contrary, the covenants, conditions, representations, indemnities, warranties and confidentiality obligations contained in this Order, including, but not limited to Sections 2, 3, 5, 6, 10 and 21 hereof, shall survive inspection, delivery, acceptance and payment, shall be binding upon Vendor and its successors and permitted assigns, and shall run in favor of Buyer and its successors and assigns.

18. Vendor shall not issue any publicity or press release regarding Buyer or Buyer's activities hereunder without first obtaining Buyer's prior written approval and consent to such release.

19. All of the deliverables developed or created by the Vendor hereunder together with the media in which they are embodied shall belong exclusively to, and be owned by, Buyer. Upon Buyer's request, Vendor shall take such reasonable action as Buyer may deem necessary or desirable to vest in Buyer any of the rights granted hereunder and to assist Buyer in registering and enforcing such rights.

20. Vendor shall, at its sole expense, obtain and maintain during the time that any Service(s) are provided on Buyer's premises, a comprehensive General Liability Insurance policy having a minimum limit of liability of One Million Dollars (\$1,000,000), an Auto

Liability Insurance policy having a minimum limit of liability of One Million Dollars (\$1,000,000), a Professional Liability (Errors and Omissions) Insurance Policy having a minimum limit of liability of One Million Dollars (\$1,000,000) and any other policies required by law (including, without limitation, workers compensation insurance) from companies reasonably satisfactory to Buyer. Prior to commencement of any Service(s) on Buyer's premises, Vendor shall provide Buyer with a Certificate of Insurance naming Buyer as an additional insured on the general liability and auto liability policies. This will not limit or otherwise affect Vendor's obligations to indemnify Buyer pursuant to the terms of this Order.

21. Vendor hereby acknowledges that information concerning Buyer, its affiliates and business affairs, may be disclosed or made known to Vendor, as a consequence of its relationship with Buyer and/or in the performance of this Order, which information is not generally known to the public and constitutes confidential and/or proprietary business information of Buyer or of another party whose information Buyer has in its possession under obligations of confidentiality. Vendor agrees to use such information only as necessary in connection with the performance of this Order. Vendor shall not disclose any such information, either during the term or at any time thereafter, except to its employees as required in the performance of this Order.

22. Buyer may terminate performance of the Service(s) hereunder at any time, for convenience, upon one (1) days notice to Vendor. In the event of such a termination and within thirty (30) days: a) Buyer shall pay to Vendor such amounts as may be due for Services provided by Vendor hereunder prior to such termination; and b) Vendor shall pay to Buyer a pro rata portion of any prepaid fees for Services not provided prior to such termination.

23. The parties agree that this Order may be delivered electronically and Vendor waives any right to challenge its enforceability based on such delivery method.

24. In no event shall Buyer be liable for any consequential, incidental, special, punitive or indirect damages, even if Buyer has been advised of the possibility of such damages.

#128242 (original 1995; revised 2000, 2011, 2013, 2020)



PROJECT:
STRUCTURAL ANALYSIS
of
1158ft Guyed Tower

CUSTOMER:
American Tower Corporation

SITE:
Kansas City, MO

ATC Site Name: Kansas City MO
ATC Tower No.: 282654
ATC Engineering No.: OAA765808_C3_01
ATC Customer: SAGAMOREHILL OF KANSAS CITY LICENSEE, LLC

TURRIS FILE:
21-0549
May 10, 2021



Turris Project: 21-0549
May 10, 2021

STRUCTURAL ANALYSIS OF

1158ft Guyed Tower

at Kansas, MO

FOR:

American Tower Corporation

Attention: Geoff Middlebrooks
American Tower Corporation
3500 Regency Parkway, Suite 100
Cary, NC 27518

Issued By: Meimei Lam
TURRIS CORP.
70 Todd Road, Georgetown, ON, Canada L7G 4R7
Phone: (905) 877-8885 Fax: (905) 877-8835

Reviewed By: Tony Fonseca, P.E.
Turris Engineering Inc.
9 Apple Lane, Moorestown, NJ 08057
Phone: (803) 206-9561 Fax: (803) 206-0479 Mob: (803) 873-1562

Introduction:

The structural analysis of the existing 1158ft guyed tower at Kansas City, MO, is submitted for your attention. As requested by American Tower, we analyzed the tower with the following change of loading as per the load list provided by American Tower:

Proposed Loading

- Add (1) Micronetixx Communications CS-2030-G-16 at elev. 728ft fed by (1) 4” coax

Loading To be Removed

- Remove (1) Generic 25’ Omni at elev. 735ft fed by (1) 4” coax

We trust the analysis and recommendations presented in the report will meet your requirements. However, please do not hesitate to contact us if you have any questions, or require any further information regarding this study.

1.0 Terms of Reference:

The following documents and drawings were examined:

Tower Profile:	Radian’s original drawings
Previous Analysis:	Turriss (File: 18-1178) dated December 7, 2018
Base Foundations:	Dwg. 37-JMMX-F01-01R1 by Radian
Anchor Foundation:	Dwg. 37-JMMX-F02-01R2, F02-02R2, F02-03R4, F02-04R2, R02-05R4 by Radian
Antenna Inventory:	Load List provided by ATC dated Oct. 25, 2018 and as shown in Appendix A
Soil Report:	Maxim Technologies Geotechnical report (File: 1390416) dated September 6, 2001

2.0 Analysis Parameters:

- Standard: ANSI/TIA-222-H / IBC 2018
- Basic Wind Speed: 109.00(mph)
- Basic Wind Speed With Ice: 40.00(mph)
- Design Ice Thickness: 1.50(in)
- Structure Class: II
- Exposure Category: C
- Topographic Category: 1

3.0 Assumptions:

The validity and accuracy of this analysis are predicated on and bounded by the following set of engineering assumptions. They are listed to help the customer to understand the assumptions that are made in the preparation of this study. The customer is hereby advised to thoroughly review them, and to contact the engineers as needed for further explanations and clarifications of these assumptions. If these assumptions do not accurately represent the existing tower conditions, the engineer must be notified so that appropriate changes can be made to the analysis, conclusions, and recommendations.

- All documents as referred to by this report are considered valid for the purpose of the analysis.
- Appendix A shows the tower profile, along with the antennas, transmission lines and ancillary loading considered in this analysis.
- All members are assumed non-corroded and yield strength as per the tower profiles.
- As records of actual mechanical properties (ie, CaAc and weight) pertaining to some existing antennas were not made available at the time of analysis by their manufacturers, this analysis assumes certain mechanical properties derived based on observations of the physical parameters and shapes of the antennas and/or published data of antennas of similar size and shape. It should be noted that unless actual mechanical properties are utilized for this analysis, large discrepancies between the actual and assumed mechanical properties could potentially and significantly affect the accuracy of this analysis.
- Initial tensions of guys are as per the tower profile in Appendix A.
- Recommended tower modifications stated in previous report (Turriss: 18-1178 dated December 7, 2018) have not been implemented yet.
- **Evaluation of the existing candelabra arms is excluded from this report as there are no proposed loading changes on the candelabra arms.**

4.0 Analysis Results:

Appendix A shows the tower profile, along with the antennas, transmission lines and ancillary loading considered in this analysis. The existing structure was analyzed using the comprehensive computer program "TSTower". Graphical and tabular results are presented in Appendix B. A summary of member stresses on the 1158ft guyed tower is listed below:

Summary of maximum member utilization ratios for the tower

Leg				
Section	Panel	Member size	Ratio	Comment
36	1	SR 5 3/4	1.04	Tolerable. Tension – splice bolts

4.0 Analysis Results (Cont'd):

Diagonal				
Section	Panel	Member size	Ratio	Comment
34	1	2L2 1/2 x2 1/2x3/16	1.17	Unacceptable. Compression and block shear
33	4	2L2 1/2x2 1/2x3/16	1.08	Unacceptable. Compression
33	3	2L2 1/2x2 1/2x3/16	1.00	Acceptable. Compression

Horizontal				
Section	Panel	Member size	Ratio	Comment
28	4	2L2 1/2x2 1/2x3/16	0.81	Acceptable

Guy				
Level	Member size	Ratio	Comment	
5	UH 1 15/16	0.72	Acceptable	

Base foundation: Structurally adequate
Inner anchor foundations: Structurally adequate
Outer anchor foundations: Structurally adequate

5.0 Conclusions & Recommendations:

The existing tower 1158ft guyed tower at Kansas City, MO was examined for compliance with ANSI/TIA-222-H. In general, Turris considers member overstresses at or below 5% tolerable. Members overstress exceeding 5% are considered unacceptable and require reinforcing or replacement. The main tower structure, in consideration with the analysis parameters and assumptions described in this report, does not conform to ANSI/TIA-222-H. We recommend the following modifications:

Diagonal

- Section 34, Panel 1 – replace existing (2) L2 ½ x 2 ½ x 3/16 diagonals with (2) L3x3x1/4
- Section 33, Panel 4 – replace existing (2) L2 ½ x 2 ½ x 3/16 diagonals with (2) L3x3x1/4

Above reinforcing recommendations are for general information only, and do not necessary constitute the specific requirements needed for the final scope of reinforcing work. A separate engineering and construction scope of work and detailed drawings would need to be developed based on above recommendations. Final reinforcement design shall be reviewed and approved by the engineer of record prior to fabrication and construction.

Issued by:

Meimei Lam, P.Eng
Project Engineer

Reviewed by:



Simon Pong, M.A.Sc., P.Eng., P.E.
Senior Project Engineer

SCOPE & LIMITATIONS FOR THE PROVISION OF PROFESSIONAL ENGINEERING SERVICES FOR STRUCTURES

All engineering services performed by Turriss Corp. (Turriss) in connection with the structural analysis of the tower is limited to the strength of the members and does not account for any variations due fabrication, including welding and connection capacities and installations, except as outlined in this Report.

This analysis report is based on assumptions that the information below, but is not necessarily limited to:

- information supplied by the client regarding the structure and its components, foundations, soil conditions, appurtenances loading on the structure, and other site-specific information.
- information from documents and/or drawings in the possession of Turriss Corporation, or acquired from field inspections.

It is the responsibility of the client to ensure that the information provided to Turriss, and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications provided, and are in non-corroded condition and have not deteriorated. Therefore, we assume that the member capacities have not changed from the “as new” condition.

All services will be performed to meet the codes specified by the client, and we do not imply to meet any other codes or requirements unless explicitly agreed to in writing. If wind and ice loads or other relevant parameters are to be different than the minimum values recommended by the standards, the client shall specify the requirement.

All services are performed in accordance with generally accepted engineering principles and practices. Turriss is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

Furthermore, Turriss assumes no obligations to revise any of the information or conclusions contained in this Report in the event that such engineering and analysis procedures and formulas are hereafter modified or revised. In addition, under no circumstances will Turriss have any obligations or responsibility whatsoever for or on account of consequential or incidental damages sustained by any person, firm or organization as a result of any information or conclusions contained in the report and the maximum liability of Turriss Corp., if any, pursuant to this Report shall be limited to the total funds actually received by Turriss Corp. for preparation of this Report.



Turris Project: 21-0549

May 10, 2021

APPENDIX A
Tower Profile and Antenna Loading Chart



Antenna Validation Request

Antenna Manufacturer: Micronetixx
Antenna Model Number: CS-2030-G-16 (E/P)

Antenna Height: 38.5 Ft
Antenna Width: Back calculate
Antenna Depth: Back calculate

Antenna Weight: 400 lbs

EPA: 80 ft²

Attachments: Manufacturer specs

Date of Request: 02/10/2021

Note: N/A

Approved by:

A handwritten signature in black ink that reads 'Christina Minor'.

Christina Minor
Structural Engineer III

Technical Description

Antenna Model:	CS-2030-G-16 (E/P)
Number of Bays:	16
Channel:	US – Channel 15
Azimuth Pattern:	G – Reduced Rear Cardioid
Azimuth Gain:	3.60 (5.56 dB)
Elevation Gain:	11.75 (10.70 dB)
Total Power Gain:	42.30 (16.26 dB)
Polarization:	Elliptical 70/30
First Null Fill:	4%
Beam Tilt:	0 degrees electrical
Input Power Rating:	12.5 kW Average
Maximum ERP:	528 kW (27.23 dBk)
V.S.W. R:	less than 1.10:1 over channel
Group Delay Difference:	less than 10 nS over channel
Feed Point:	Center Fed - Horizontal
RF Input Connection:	3-1/8” EIA Flange
Antenna Length:	38-1/2 Feet
Weight:	400 lbs.
Wind Zone Rating:	100 M.P.H. Basic
Wind Load Area:	80 Square Feet
Brackets:	Included stainless steel designed for 3” pole mount
Radomes:	Included – White



MICRONETIXX COMMUNICATIONS



- **Low Group Delay True Center Fed Design**
- **Wide Range of Standard And Custom Azimuth Patterns**
- **Available In 8 To 36 Bay Models, In 2 Bay Increments**
- **7.5 to 65 kW Input Power Ratings**
- **Horizontal, Elliptical and Circular Polarization**

CS Series UHF Side Mount Slot Antennas

Micronetixx Communications offers a complete line of side mounted UHF slot antennas available from 400 to 1500 MHz (Band IV). The three base CS series models have power input ranges from 7.5 to 65 kW average power. The CS series antennas are true center fed to provide the lowest group delay characteristics, and to provide a flat low V.S.W.R. profile over a 6 or 8 MHz band. The antennas are built in two bay increments, allowing you to get the exact elevation gain you need. Each antenna is custom built to the beam tilt and null fill specifications needed to ensure the best coverage. A wide range of azimuth patterns available, along with the choice of elliptical, circular, or horizontal polarization.

2030 Series – Low Power

The 2030 series of antennas are low power UHF slot antennas, with a standard input rating of 7.5 kW average. The 2030 antennas are center fed and have a 3-1/8" EIA input flange. Some of the 2030 series of antennas may be customized to provide a 12.5 kW input rating. The antennas are true center fed to provide the lowest group delay performance. No external cables or power dividers are needed with this design.



Typical 2030 series feed point

The 2030 series antennas come in a wide variety of standard and custom azimuth patterns. The 2030 series antennas are available in two bay increments from 8 to 32 bays, with either single or dual channel bandwidth. Each antenna is built to custom beam tilt and null fill specifications, with a choice of horizontal, elliptical or circular polarization. Stainless steel mounting brackets are standard.

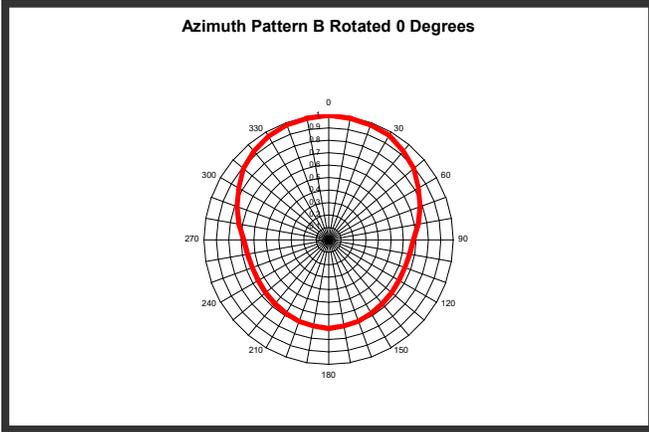
2050 Series – Medium Power

The 2050 series of medium power antennas are built the same way the 2030 series is, and use a 4-1/16" EIA Flange input to achieve an input power rating of 25 kW average. Some 2050 series antennas may be customized with up to a 40 kW input power rating. A typical 24 bay 2050 antenna with a cardioid pattern will produce an ERP of over 1000 kW. Standard and extended radomes options are available on a number of 2050 antenna designs.

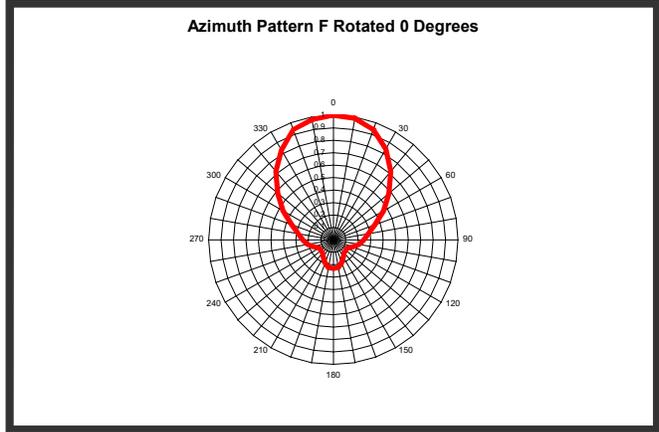
2070 Series – High Power

The 2070 series is our highest power side antenna, and shares the same attributes of the 2030 and 2050 series. The 2070 series has a 65 kW input power rating, using a 6-1/8" EIA Flange. The 2070 series antennas are also available in 75 Ohm versions, and with a 7-3/16" Input.

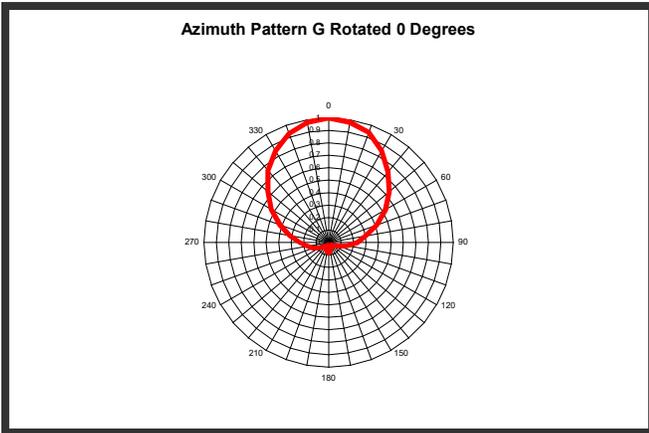
Sample Azimuth Patterns



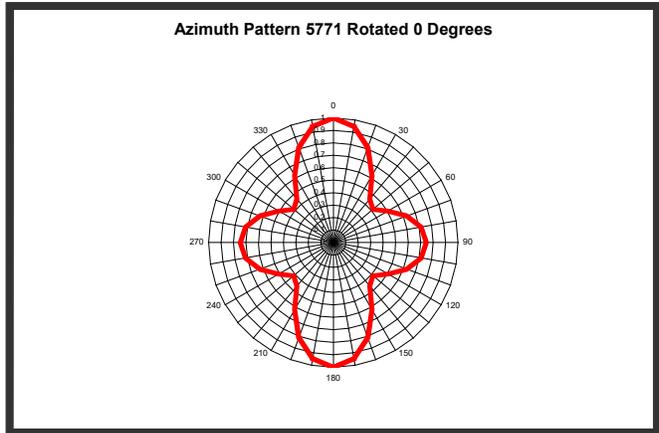
B Pattern – Gain 1.70 (2.30 dB)



F Pattern – Gain 3.80 (5.80 dB)



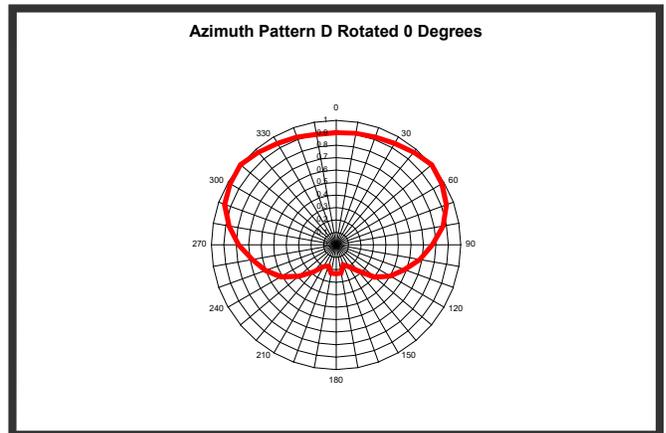
G Pattern – Gain 3.60 (5.56 dB)



2771 Pattern – Gain 2.10 (3.22 dB)

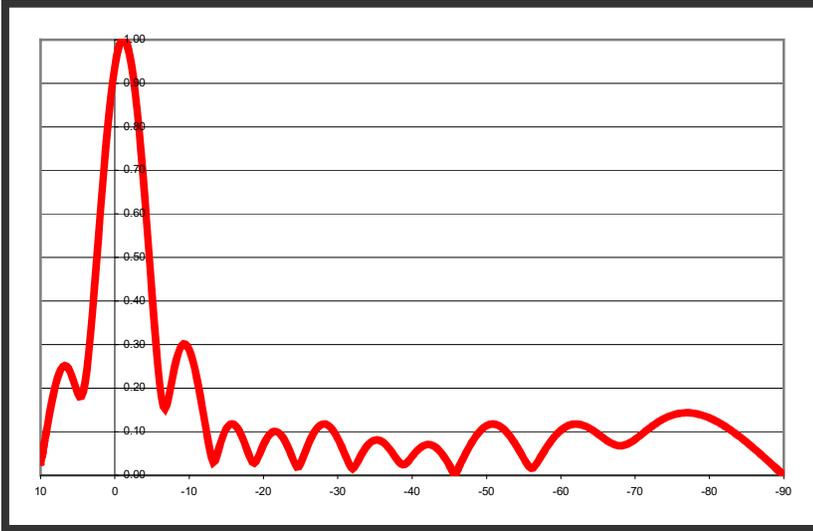


The picture to the left is a “D” pattern cardioid 2030 series antenna without the radome.



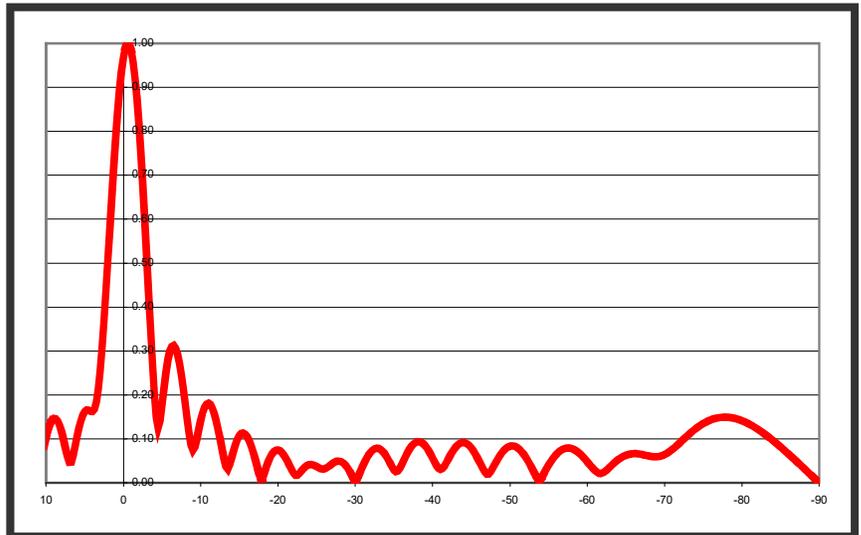
D Pattern – Gain 1.90 (2.70 dB)

Sample Elevation Patterns

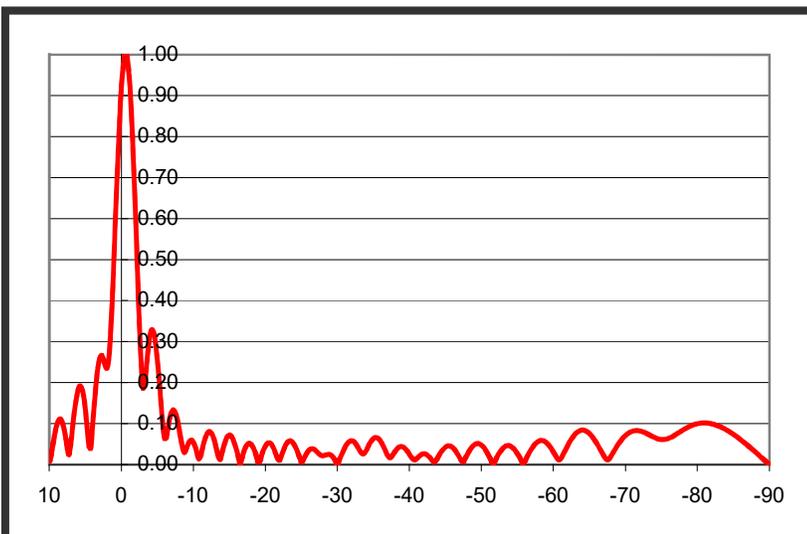


10 Bay 1.2 Degree Beam
Tilt. Gain 10.44 (10.18 dB)

14 Bay 0.6 Degree Beam
Tilt. Gain 14.40 (11.58 dB)



22 Bay 0.6 Degree Beam
Tilt. Elevation Gain 22.50
(13.52 dB)



CS Series Antenna Options

Each CS series antenna is built to the customer's specifications in two bay increments, A 14, 18, or 22 bay antenna that other manufacturers do not offer, is standard product to us. In addition to our full range of bay sizes, the CS antennas are available in a wide range of azimuth patterns. In many cases, to maximize coverage for a client, we can modify or customize an azimuth pattern.

ATSC-M/H transmission is optimized with the use of circular or elliptical polarized antennas. We can build the CS series with a vertical component from 20% to 100%. In many cases, going to elliptical or circular polarization only adds 10 pound of weight with no increase in wind load area.

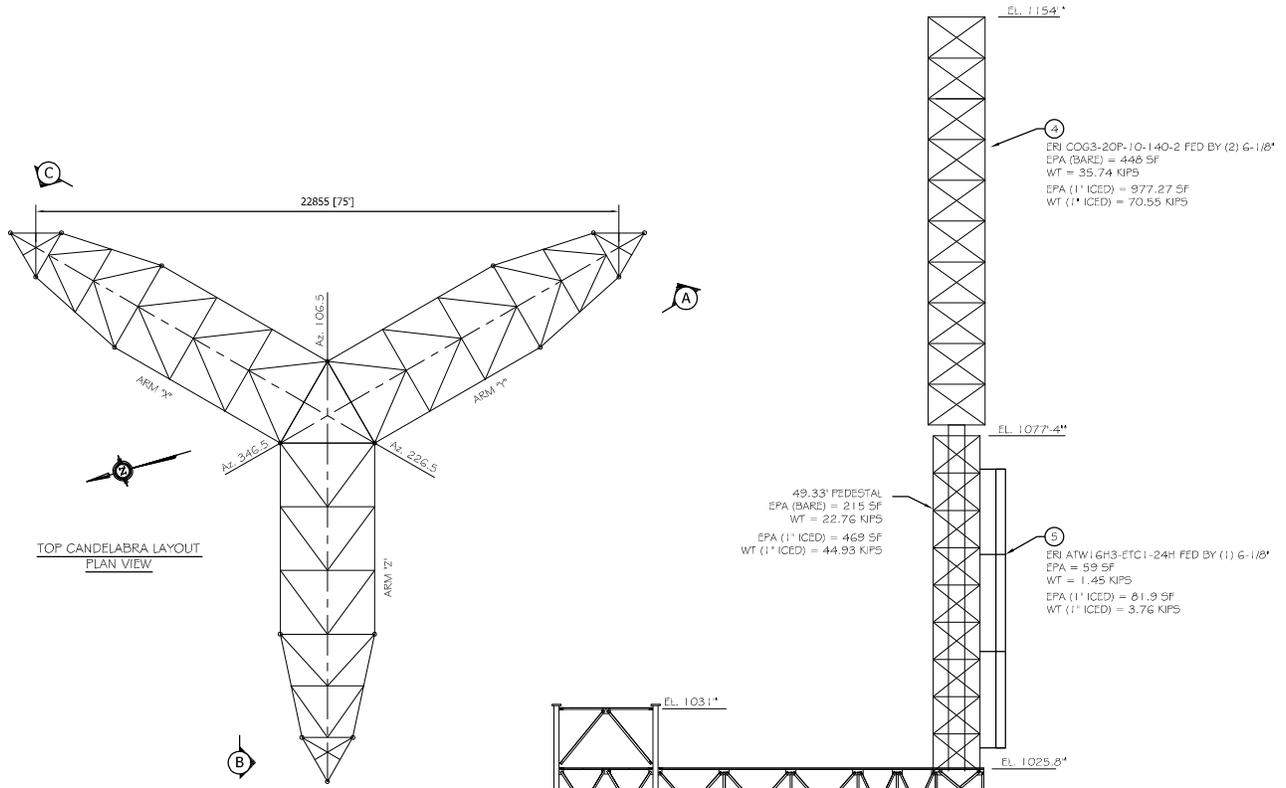
For transmission sites with high environment conditions, we can customize the radome system to extend it out farther from the slots. The CS series antennas use rugged UV stabilized Polyethylene for the radome. International Orange, Light Gray and White radomes are available.

Some of the CS series antennas can be built for dual or even triple channel operation. In many cases we can also split feed the antennas, using a power divider and two matched transmission lines.

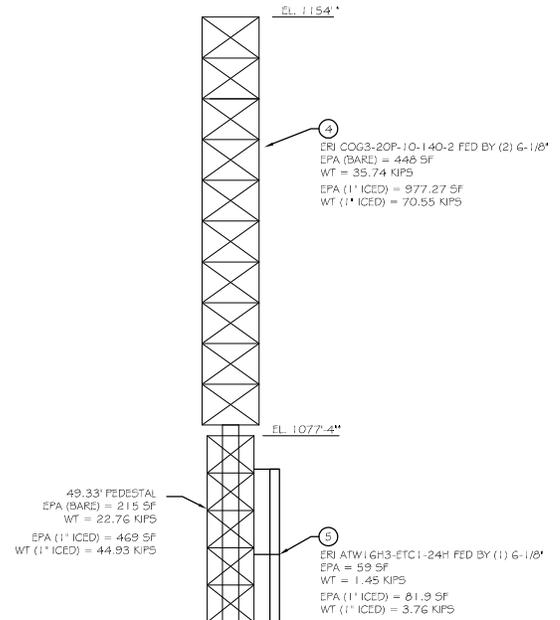
The CS series antennas are built using aluminum pylons, and parastitics, which are finished with a class 1A chromate treatment. For applications where building codes call for a painted structure, the antennas can be supplied painted to spec, or they can be field painted.



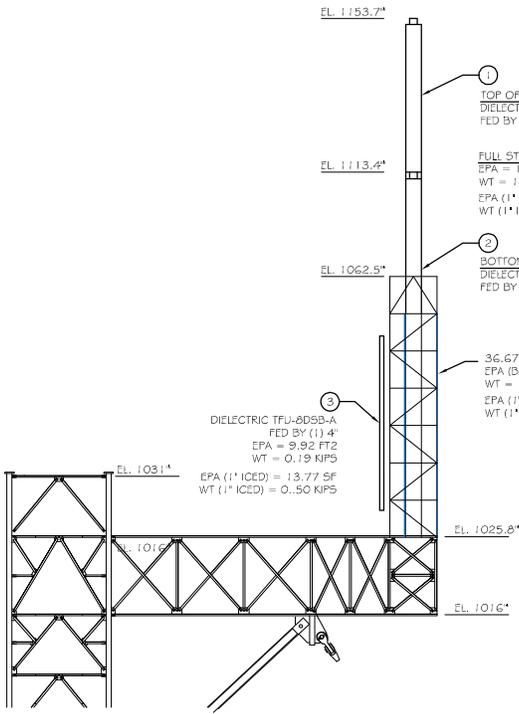
70 Commercial Street ~ Lewiston, ME 04240 V 207-784-2820
www.micronetixxantennas.com



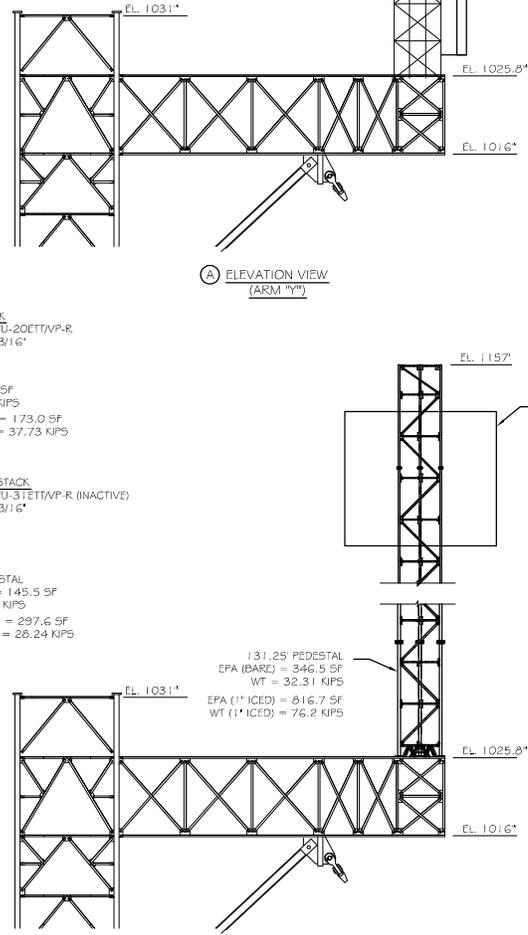
TOP CANDELABRA LAYOUT
PLAN VIEW



(A) ELEVATION VIEW
(ARM 'Y')



(C) ELEVATION VIEW
(ARM 'X')



(B) ELEVATION VIEW
(ARM 'Z')

NOTE:
DRAWING NOT TO SCALE (FOR ILLUSTRATION OF LOADING ONLY)
* ESTIMATED ELEVATIONS

TURRIS ENGINEERING
PROCUREMENT
PROJECT MGMT

70 Todd Road
Georgetown, Ontario, L7G 4R7, Canada
Tel: +1 905 877 8885 Fax: +1 905 877 8835

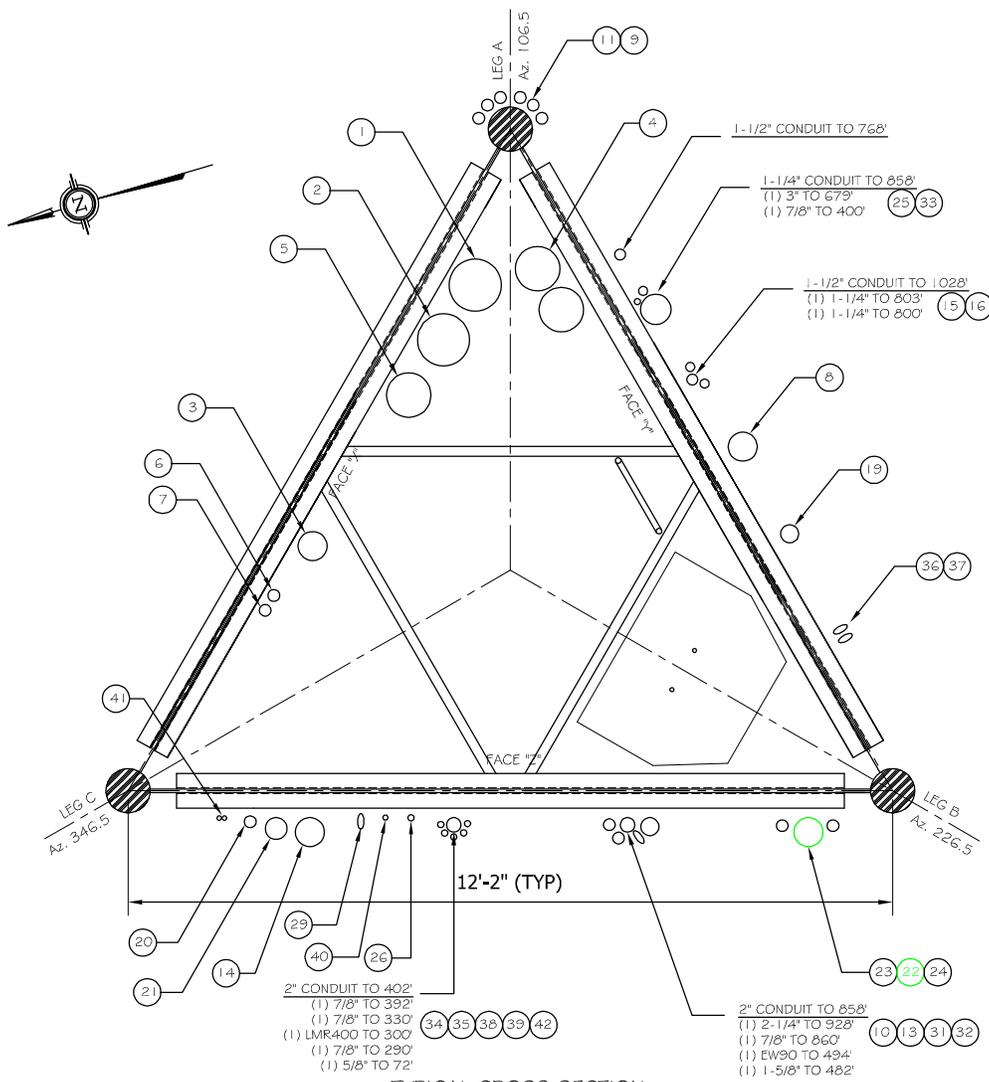
www.turriscorp.com

AMERICAN TOWER

PROJECT	1158 th AGL RT12 K SERIES MAST
CUSTOMER	AMERICAN TOWER
SITE NAME	KANSAS CITY, MO
SITE CODE	ATC 282654

REV.	DESCRIPTION	DWNL	CHK.	APP.
1	AS PER ANALYSIS 21-05-99 DATE: MAY.03.21	MLM	-	-

TOWER PROFILE CANDELABRA CONFIGURATION			
DATE	DRWN BY	PROJECT NO.	REV.
NOV.21.18	MLM	21-0549	1
ENGRD APP'D:	DRWN BY:	DWG. NO.	
-	-	ATC 282654-001-02	



TYPICAL CROSS SECTION

CROSS SECTION NOTES							
Item	Qty./Lines	Tx Line	Elevation (ft)	Tenant	Appurtenance	Location	Comments
1	1	7-3/16"	1113.4 - 1153.7	Ion Media	(1) Dielectric TFL-31ETT/VPR	On top of TFL-31ETT	Candelebra arm "X" Existing
2	1	7-3/16"	1062.5 - 1113.4	Ion Media	(1) Dielectric TFL-31ETT/VPR (inactive)	On 36.7' Tall pedestal	Candelebra arm "X" Existing
3	1	4"	1057	Ion Media	(1) TFL-SDS6A	Side mount	Candelebra arm "X" Reserved
4	2	6-1/8"	1077.3 - 1154	Audacy Cumulus Media	(1) ERI COG3-20P-10-140-2	On 49.3' Tall pedestal	Candelebra arm "Y" Existing
5	1	6-1/8"	1050	Trinity Christian Center of Santa Ana	(1) ATW16H3-ETC1-24H	Side mount	Candelebra arm "Y" Existing
6	1	1-5/8"	1153	Cumulus Media	(3) Shively 6014 1/3-PS	On 131' Tall pedestal	Candelebra arm "Y" Existing
7	1	1-5/8"	982	Sagamore/K of Kansas City Licensee	(1) 4x ATC48C4H16A-33	-	Existing
8	1	4"	971	Audacy	(1) Shively DS6016P-8	-	Existing
9	3	1-5/8"	935	US Department of Justice	(3) Andrew DB264	-	LEG A/B/C Existing
10	1	2-1/4"	928	Clarkson Construction	(1) 20' Omni	-	Existing
11	3	1-5/8"	915	US Department of Justice	(3) Andrew DB264 (inverted)	-	LEG A/B/C Existing
12	-	-	900	Clarkson Construction	Generic 20' Omni	-	Reserved
13	1	7/8"	850	Clarkson Construction	(1) 20' Omni (inverted)	-	Existing
14	1	4"	850	Audacy	(1) Shively DS6016P-8	-	Existing
15	1	1-1/4"	798	-	(1) 20' Omni	-	Existing
16	1	1-1/4"	794	-	(1) 12' Omni	On ice guard at elev. 788.3'	Existing
17	-	-	788.3	Tower Equipment	Ice Guard	-	LEG A/B/C Existing
18	-	-	758.5	Tower Equipment	10F Outside platform	-	LEG A/B/C Existing
19	1	2-1/4"	758	Commenco	(1) Motorola MTR3000	On OSP at elev. 758.5'	Existing
20	1	1-1/2"	754	-	(1) 8' Omni (Assumed 15 of total)	On OSP at elev. 758.5'	Existing
21	1	3"	748	-	(2) 20' Omni	On OSP at elev. 758.5'	Existing
22	1	4"	728	Ventana Television	1) Micronetix Communications CS-2030-G-1	-	Proposed
23	1	1-5/8"	725	-	(1) 20' FM Antenna	-	Existing
24	1	1-5/8"	688	-	(1) 2' Omni	-	Existing
25	1	3"	679	Word of God Fellowship	(1) SWR SWLP16EC	-	Existing
26	1	7/8"	675	Educational Media Foundation	(1) ERI 100-1	-	Existing
27	1	EWV63	600	Trinity Christian Center of Santa Ana	(2) 10' Std. Dish	-	Existing
28	-	-	600	-	(1) 6' Ice Shield	-	Existing
29	1	EWV63	594	-	(1) 10' Dish w/ radome (Az. 328)	-	LEG C Existing
30	-	-	512	-	(1) Low profile platform	-	Existing
31	1	EW90	494	Ion Media	(1) 8' HP Dish (Az. 268)	-	LEG B Existing
32	1	1-5/8"	482	-	(1) 8' Omni	-	Existing
33	1	7/8"	402	Audacy	(1) 6' Std. Dish (Az. 252)	-	LEG B Existing
34	1	7/8"	392	Audacy	(1) 6' Grid Dish (Az. 252)	-	LEG B Existing
35	1	7/8"	330	-	(1) 6' Grid Dish (Az. 268)	-	LEG B Existing
36	1	EW52	325	-	(1) 4' Std. Dish (Az. 96)	-	LEG A Existing
37	1	EW52	315	-	(1) 4' Std. Dish (Az. 336)	-	LEG C Existing
38	1	LMR400	300	Insight Consulting	(1) FlexPort 18 (ODU)	-	Existing
39	1	7/8"	290	Audacy	(1) 6' Std. Dish	-	Existing
40	1	1/2"	118	-	(1) Telecom TFC2K-2	-	Existing
41	2	5/8"	101	Commenco	(1) 6' Dish	-	Existing
42	1	5/8"	72	-	(1) 2' Dish	-	Existing

EXISTING TIMES TO BE REMOVED FROM TOWER (NOT INCLUDED IN THIS ANALYSIS)							
Item	Qty./Lines	Tx Line	Elevation (ft)	Tenant	Appurtenance	Location	Comments
R1	1	4"	735	Ventana Television	(1) 25' Omni	-	Existing

TURRIS ENGINEERING
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PROJECT MGMT

70 Todd Road
Georgetown, Ontario, L7G 4R7, Canada
Tel: +1 905 873 8787 Fax: +1 905 877 8835

www.turriscorp.com

AMERICAN TOWER

PROJECT
1158' AGL RT12 K SERIES MAST

CUSTOMER
AMERICAN TOWER

SITE NAME
KANSAS CITY, MO

SITE CODE
ATC 282654

REV.	DESCRIPTION	DWNL	CHK.	APP.
3	AS PER ANALYSIS 18-1178 PROPOSED LOADING AT 982' DATE: NOV.26.18	MLM	-	-
4	AS PER ANALYSIS 21-0540 PROPOSED LOADING AT 728' DATE: APR.27.21	MLM	-	-

TITLE CROSS SECTION				
DATE	SHG. NO.	PROJECT NO.	REV.	
AUG 18 2014		21-0549	4	
ENGR. APPR:	DRWN BY:	DWG. NO.		
SP		ATC 282654-002-01		

APPENDIX B
Results of Analysis

Guy Elevation (ft)	Guy Maximum Stress Levels (% of Rated Capacity)
1016.03	72
810.73	68
601.97	63
408.12	57
199.36	56

(Please verify that the beam rotations are acceptable for applications)

Elevation (ft)	Maximum Beam Rotation (degrees) for serviceability conditions
980.00	0.37
850.00	0.84
688.00	1.05
636.00	1.13
600.00	1.16
584.00	1.32
505.00	1.33
494.00	1.37
402.00	1.39
392.00	1.46
340.00	1.47
330.00	1.48
325.00	1.49
315.00	1.51
290.00	1.62
169.00	1.71
125.00	1.73
72.00	0.37

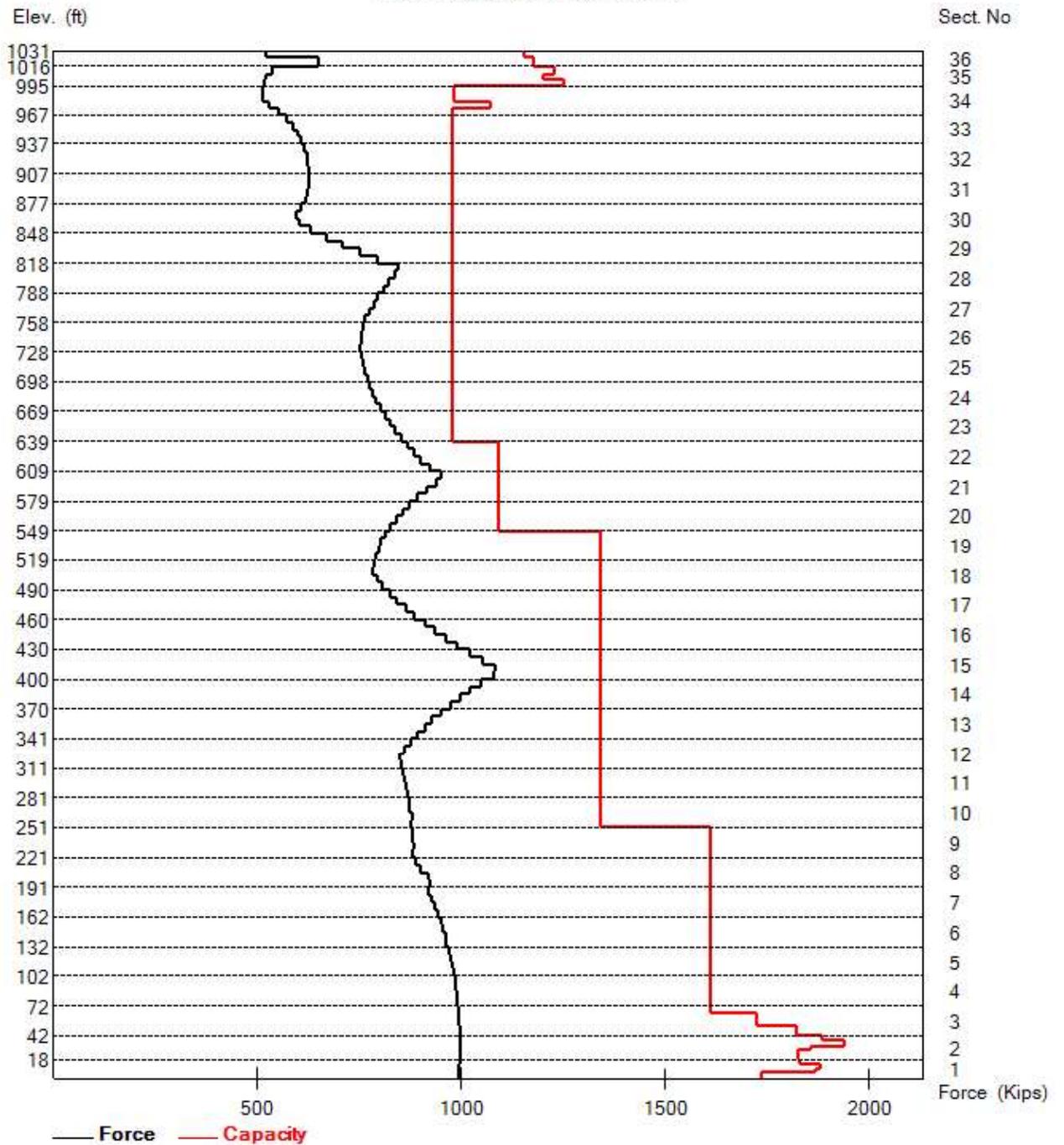


Turris Project: 21-0549

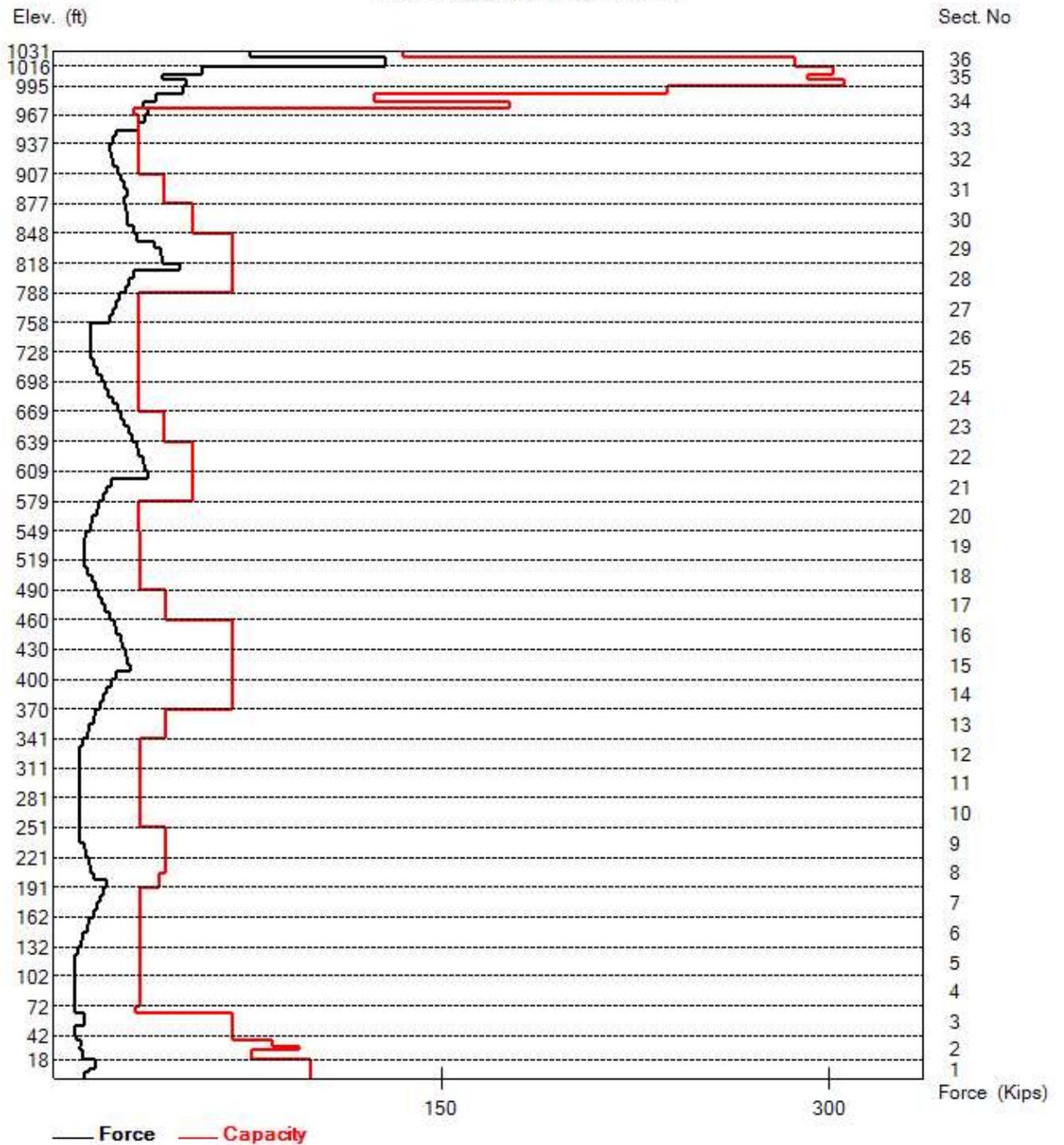
May 10, 2021

APPENDIX C
Graphical Analysis Results

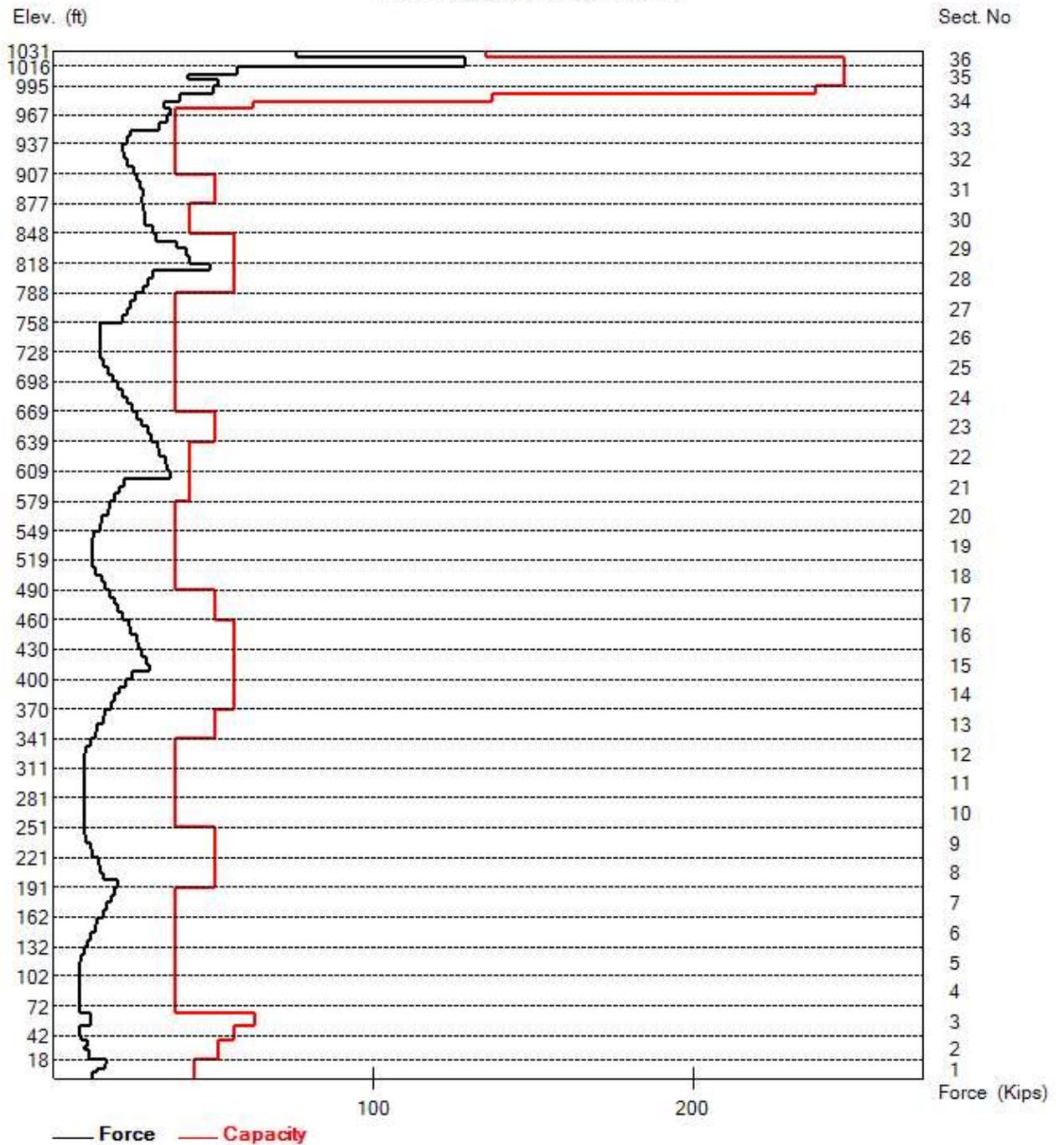
Leq Load Compression Diagram
 Max. Envelope (All Loading Cases)



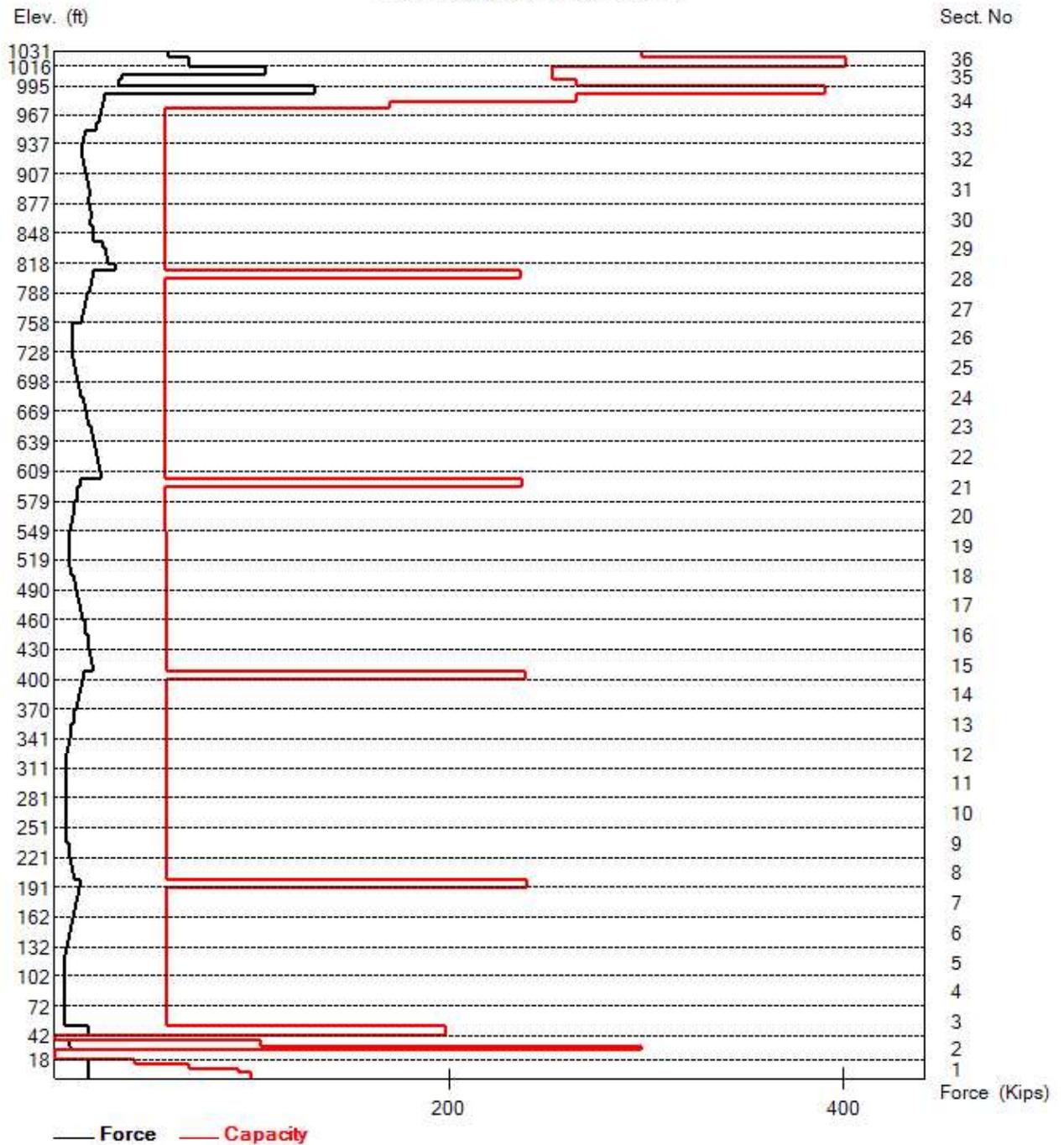
Diag. Load Compression Diagram
 Max. Envelope (All Loading Cases)



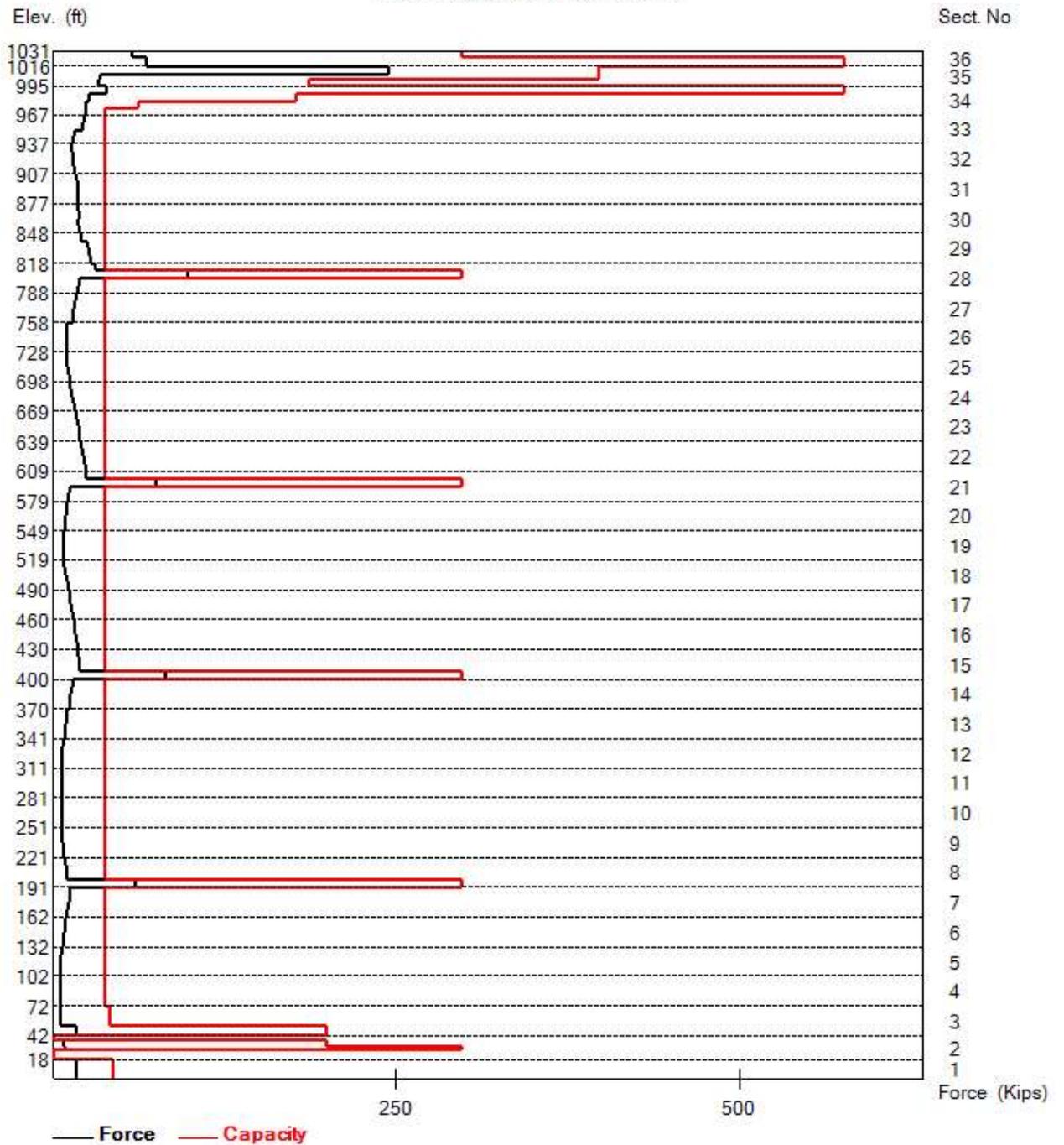
Diag. Load Tension Diagram
Max. Envelope (All Loading Cases)



Horiz. Load Compression Diagram
 Max. Envelope (All Loading Cases)



Horiz. Load Tension Diagram
 Max. Envelope (All Loading Cases)



From: [Shannon Monaghan](#)
To: [Collinson, John](#); [Carrie Fatalo](#)
Cc: [Yonkin, Eric](#)
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)
Date: Friday, August 20, 2021 9:27:13 AM
Attachments: [image001.png](#)
[image002.png](#)
[STAMPED PDF. Ventan TV, Inc. @ 282654 Kansas City MO, MO \(OAA765808_C3_01\). Structural Analysis \(117%\) failing \(2\).pdf](#)

This email is from an external sender. If you think it is malicious or spam, please do not open any attachments or links and click the Report Phishing button.

Morning John,

Attached is the structural for review. I plan to reach out to our engineering team for their input on the other items in your email and will circle back.

Thank you
Shannon

Shannon Monaghan
Senior Account Project Manager
American Tower Corporation
10 Presidential Way
Woburn, MA 01801
781-926-7818 office
shannon.monaghan@americantower.com

Customer input is important to American Tower. [Click here to submit your feedback.](#)

From: Collinson, John <John.Collinson@hsn.net>
Sent: Friday, August 20, 2021 9:00 AM
To: Shannon Monaghan <Shannon.Monaghan@americantower.com>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Cc: Yonkin, Eric <Eric.Yonkin@hsn.net>
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

Let me see if I understand this correctly:

1. You're asserting this minor change in an antenna is putting the entire tower in a 17% overloaded condition.
2. You expect us to pay for the entire strengthening process to correct that 17%.

Granted, the new antenna is somewhat heavier and higher windload but it's still a low power TV antenna and to claim a 17% overload on a tower that size solely due to that antenna change (no change in coax) is beyond all reason. Either it was already overloaded before our request was filed or there is a flaw in the structural study.

Before proceeding any further I want to see the structural studies that show:

- a. The tower is not overloaded at all right now with our existing antenna.
- b. The increased weight & windload solely due to our antenna exchange causes a 17% overload.

John

From: Shannon Monaghan <Shannon.Monaghan@americantower.com>
Sent: Friday, August 20, 2021 8:25 AM
To: Collinson, John <John.Collinson@hsn.net>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

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Morning John,

We received the final pricing on this and the cost of reinforcing the tower here to accommodate the new antenna is \$83,600.

Thank you
Shannon

Shannon Monaghan
Senior Account Project Manager
American Tower Corporation
10 Presidential Way
Woburn, MA 01801
781-926-7818 office
shannon.monaghan@americantower.com

Customer input is important to American Tower. [Click here to submit your feedback.](#)

From: Collinson, John <John.Collinson@hsn.net>
Sent: Thursday, August 19, 2021 7:32 PM
To: Shannon Monaghan <Shannon.Monaghan@americantower.com>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

Shannon- just following up on this situation. Our FCC construction permit expires on 8/29 so we have another deadline upon us.

John

From: Shannon Monaghan <Shannon.Monaghan@americantower.com>
Sent: Wednesday, July 28, 2021 9:31 AM
To: Collinson, John <John.Collinson@hsn.net>; Carrie Fatalo <Carrie.Fatalo@americantower.com>

Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

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Morning John,

We received a quote from the vendor and are just seeking clarification if the cost of materials were included in the price. Once we receive that I should be able to share the costs with you so I'd give it about a week. We should be able to accommodate the 5 month timeline since we have approval from engineering for the antenna to be installed in advance of the mods being complete.

Thank you
Shannon

Shannon Monaghan
Senior Account Project Manager
American Tower Corporation
10 Presidential Way
Woburn, MA 01801
781-926-7818 office
shannon.monaghan@americantower.com

Customer input is important to American Tower. [Click here to submit your feedback.](#)

From: Collinson, John <John.Collinson@hsn.net>
Sent: Monday, July 26, 2021 11:22 PM
To: Shannon Monaghan <Shannon.Monaghan@americantower.com>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

Shannon- it's been about a month now, just wondering if there was any progress on this situation. I had to file for a special waiver to keep from losing the license but it only lasts about another 5 months.

Thanks,

John Collinson
Chief Engineer • Ventana Television
727-872-4210 • HSN, 1 HSN Drive, St. Petersburg, FL 33729



Part of the **Qurate Retail Group**: QVC • HSN • Zulily • Ballard Designs • Frontgate • Garnet Hill • Grandin Road

From: Shannon Monaghan <Shannon.Monaghan@americantower.com>
Sent: Monday, June 28, 2021 9:57 AM
To: Collinson, John <John.Collinson@hsn.net>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

This email is from an external sender. If you think it is malicious or spam, please do not open any attachments or links and click the Report Phishing button.

Morning John,

We've reached out to the vendor to see if an IBM is possible here. I'm pushing to get a response from them.

Thank you
Shannon

Shannon Monaghan
Senior Account Project Manager
American Tower Corporation
10 Presidential Way
Woburn, MA 01801
781-926-7818 office
shannon.monaghan@americantower.com

VACATION ALERT:

Friday July 2nd – Friday July 9th

Customer input is important to American Tower. [Click here to submit your feedback.](#)

From: Collinson, John <John.Collinson@hsn.net>
Sent: Monday, June 28, 2021 9:25 AM
To: Shannon Monaghan <Shannon.Monaghan@americantower.com>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

I finally figured out the email I got last week was the actual notice about the tower overload.

Our FCC deadline is now two weeks away. Any sign of whether that IBM can be issued?

Thanks,
John

From: Shannon Monaghan <Shannon.Monaghan@americantower.com>
Sent: Monday, June 14, 2021 12:24 PM
To: Collinson, John <John.Collinson@hsn.net>; Carrie Fatalo <Carrie.Fatalo@americantower.com>

Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

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I'll reach out to the vendor to see if an IBM can be approved here.

Thank you
Shannon

Shannon Monaghan
Senior Account Project Manager
American Tower Corporation
10 Presidential Way
Woburn, MA 01801
781-926-7818 office
shannon.monaghan@americantower.com

Customer input is important to American Tower. [Click here to submit your feedback.](#)

From: Collinson, John <John.Collinson@hsn.net>
Sent: Monday, June 14, 2021 12:18 PM
To: Shannon Monaghan <Shannon.Monaghan@americantower.com>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

Ouch, didn't think the new antenna was THAT much more weight & windload for a tower that size but I've been surprised before.

Sounds like that could seriously delay the project- my on air FCC deadline is about July 12.

John

From: Shannon Monaghan <Shannon.Monaghan@americantower.com>
Sent: Monday, June 14, 2021 11:41 AM
To: Collinson, John <John.Collinson@hsn.net>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

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Hi John,

The structural calcs yielded a failing result at 117% so we're currently pending from the vendor the scope of word documents for any modifications that would be required. We're anticipating getting

this back in about a week. Otherwise in terms of NTP documents, it seems like we have everything else we'll need.

Thank you
Shannon

Shannon Monaghan
Senior Account Project Manager
American Tower Corporation
10 Presidential Way
Woburn, MA 01801
781-926-7818 office
shannon.monaghan@americantower.com

Customer input is important to American Tower. [Click here to submit your feedback.](#)

From: Collinson, John <John.Collinson@hsn.net>
Sent: Monday, June 14, 2021 9:37 AM
To: Shannon Monaghan <Shannon.Monaghan@americantower.com>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

Great, thank you. Looking in OAA I'm trying to determine if there's anything else I need to do to get the approval. I know PCI was going to start working on the rigging plan and whatever else they needed to do.

John

From: Shannon Monaghan <Shannon.Monaghan@americantower.com>
Sent: Monday, June 14, 2021 9:05 AM
To: Collinson, John <John.Collinson@hsn.net>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

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Morning John,

You can disregard the message. The person originally reviewing the scope of work document thought full A&E drawings would be needed and I clarified with the team that the scope of work can be accepted.

Thank you
Shannon

Shannon Monaghan
Senior Account Project Manager
American Tower Corporation
10 Presidential Way
Woburn, MA 01801
781-926-7818 office
shannon.monaghan@americantower.com

Customer input is important to American Tower. [Click here to submit your feedback.](#)

From: Collinson, John <John.Collinson@hsn.net>
Sent: Monday, June 14, 2021 8:49 AM
To: Shannon Monaghan <Shannon.Monaghan@americantower.com>; Carrie Fatalo <Carrie.Fatalo@americantower.com>
Subject: [EXTERNAL] FW: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

I never did get a response to this- can you help me understand what he's looking for?

Thanks,

John Collinson
Chief Engineer • Ventana Television
727-872-4210 • HSN, 1 HSN Drive, St. Petersburg, FL 33729



Part of the **Qurate Retail Group**: QVC • HSN • Zulily • Ballard Designs • Frontgate • Garnet Hill • Grandin Road

From: Collinson, John
Sent: Wednesday, June 2, 2021 1:17 PM
To: Kyle Flanagan <Kyle.Flanagan@americantower.com>; Jennifer Martin <Jennifer.Martin@AmericanTower.com>
Cc: Shannon Monaghan <Shannon.Monaghan@americantower.com>
Subject: RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

Are you referring to the transmitter room? If so that hasn't changed in over 20 years- still in the corner of the combiner room.

If that's not it then I'm not sure the reference.

John

From: Kyle Flanagan <Kyle.Flanagan@americantower.com>

Sent: Wednesday, June 2, 2021 10:28 AM

To: Jennifer Martin <Jennifer.Martin@AmericanTower.com>; Collinson, John <John.Collinson@hsn.net>

Cc: Shannon Monaghan <Shannon.Monaghan@americantower.com>

Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

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Hey Team,

There is no Ground location in the CDs for us to approve so we are unable to review / approve the attached CDs.

Thank you,

Kyle P. Flanagan

Site Design Supervisor

American Tower Corporation

919-466-5210 office

203-980-5812 mobile

kyle.flanagan@americantower.com

From: Jennifer Martin <Jennifer.Martin@AmericanTower.com>

Sent: Wednesday, June 2, 2021 6:25 AM

To: Collinson, John <John.Collinson@hsn.net>

Cc: Shannon Monaghan <Shannon.Monaghan@americantower.com>; SiteDesign Inbox <SiteDesign.Inbox@AmericanTower.com>

Subject: Re: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

Hi John,

Thank you!

Sent via the Samsung Galaxy S20 5G, an AT&T 5G smartphone
Get [Outlook for Android](#)

From: Collinson, John <John.Collinson@hsn.net>

Sent: Wednesday, June 2, 2021 12:13:54 AM

To: Jennifer Martin <Jennifer.Martin@AmericanTower.com>

Cc: Shannon Monaghan <Shannon.Monaghan@americantower.com>; SiteDesign Inbox <SiteDesign.Inbox@AmericanTower.com>

Subject: [EXTERNAL] RE: VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K45IO (OAA765808)

Should have read the whole email- I just uploaded the drawings into OAA. Just got hold of the structural PO so that's now uploaded as well.

I'll also send the drawings to the address below.

John Collinson
Chief Engineer • Ventana Television
727-872-4210 • HSN, 1 HSN Drive, St. Petersburg, FL 33729



Part of the **Qurate Retail Group**: QVC • HSN • Zulily • Ballard Designs • Frontgate • Garnet Hill • Grandin Road

From: Jennifer Martin <Jennifer.Martin@AmericanTower.com>
Sent: Tuesday, June 1, 2021 4:44 PM
To: Collinson, John <John.Collinson@hsn.net>
Cc: Shannon Monaghan <Shannon.Monaghan@americantower.com>; SiteDesign Inbox <SiteDesign.Inbox@AmericanTower.com>
Subject: [EXTERNAL] VENTANA TELEVISION, INC. @ KANSAS CITY MO, 282654 / Customer #K4510 (OAA765808)

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Hi John,

While reviewing this site, I noticed that the CDs were never uploaded to the project. Please send to the following:

sitedesign.inbox@americantower.com

Thank you,
Jennifer

Jennifer Martin, CAP
Administrative Assistant
American Tower Corporation
10 Presidential Way
Woburn, MA 01801
T: 781-926-7822
www.americantower.com