



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@ct.gov](mailto:siting.council@ct.gov)

[www.ct.gov/csc](http://www.ct.gov/csc)

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### VIA ELECTRONIC MAIL

November 18, 2019

Katie Benson  
Smartlink, LLC  
85 Rangeway Road, Building 3, Suite 102  
North Billerica, MA 01862

RE: **EM-AT&T-122-191107** – AT&T Mobility, LCC notice of intent to modify an existing telecommunications facility located at 52 Library Street, Salisbury, Connecticut.

Dear Ms. Benson:

The Connecticut Siting Council (Council) is in receipt of your correspondence of November 13, 2019 submitted in response to the Council's November 12, 2019 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman  
Executive Director

MAB/IN/emr



## Robidoux, Evan

---

**From:** Katherine Benson <katherine.benson@smartlinkllc.com>  
**Sent:** Wednesday, November 13, 2019 10:49 AM  
**To:** Robidoux, Evan  
**Cc:** CSC-DL Siting Council  
**Subject:** RE: Council Incomplete Letter for EM-AT&T-122-191107 (52 Library Street, Salisbury)  
**Attachments:** 10105789\_DE125\_190903\_CTL01251.pdf; Original CSC decision.doc

Good Morning,

Please see attached required documents.

Please let me know if you need anything else.

Thank you!

**Katie Benson**  
**Smartlink**

**From:** Robidoux, Evan <Evan.Robidoux@ct.gov>  
**Sent:** Tuesday, November 12, 2019 3:52 PM  
**To:** Katherine Benson <katherine.benson@smartlinkllc.com>  
**Cc:** CSC-DL Siting Council <Siting.Council@ct.gov>; Kristina Cottone <kristina.cottone@smartlinkllc.com>  
**Subject:** Council Incomplete Letter for EM-AT&T-122-191107 (52 Library Street, Salisbury)

~~Warning: This message was sent from outside the company and could contain attachments. Please do not open unless you recognize the source of this email and know the content is safe.~~

Please see the attached correspondence.

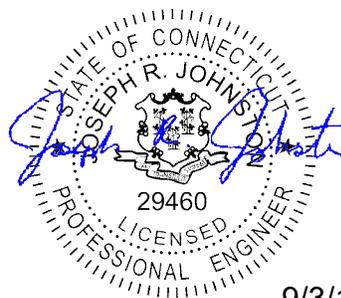
Evan Robidoux  
Clerk Typist  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

## Mount Analysis Report

September 3, 2019

AT&T Mobility Site Name	Salisbury Library Road
AT&T Mobility Site Number	CTL01251
Infinigy Job Number	1106-A0001-B
Client	Smartlink
Carrier	AT&T Mobility
Site Location	52 Library Street Salisbury, CT 6068 Litchfield County 41° 58' 49.911" N NAD83 73° 25' 4.9872" W NAD83
Mount Centerline EL.	144.0 ft
Mount Type	T-Arm
Structural Usage Ratio	<b>98.0%</b>
<b>Overall Result</b>	<b>Pass</b>

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA code requirements. The mounts and connections for the proposed carrier are therefore deemed adequate to support the final loading configuration as listed in this report.



9/3/19

Bryan P. Mawhinney  
Project Engineer I

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**Introduction**

Infinigy Engineering has been requested to perform a mount analysis on the existing AT&T Mobility mounts. All supporting documents have been obtained from the client and are assumed to be accurate and applicable to this site. The mount was analyzed using RISA-3D Version 17.0.2 analysis software.

**Supporting Documentation**

<b>RFDS</b>	AT&T RFDS, Site No. CTL01251, dated May 02, 2019
<b>Site Photos</b>	Smartlink Provided, dated June 24, 2019

**Analysis Code Requirements**

Wind Speed	90 mph (3-Second Gust, $V_{ASD}$ / 115 mph (3-Second Gust, $V_{ULT}$
Wind Speed w/ Ice	40 mph (3 Second Gust) w/ 0.75" Ice
TIA Revision	ANSI/TIA-222-G
Adopted IBC	2015 IBC
Structure Class	II
Exposure Category	C
Topographic Category	1
Spectral Response	$S_s = 0.174$ g, $S_1 = 0.065$ g
Site Class	D - Stiff Soil

**Conclusion**

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA code requirements. The mount and connections are therefore deemed adequate to support the existing and proposed loading as listed in this report.

If you have any questions, require additional information, or actual conditions differ from those as detailed in this report please contact me via the information below:

Bryan P. Mawhinney  
 Project Engineer I | **INFINIGY**  
 1517 Old Apex Rd, Cary NC, 27513  
 (O) (518) 690-0790  
 bmawhinney@infinigy.com | [www.infinigy.com](http://www.infinigy.com)

**Final Configuration Loading**

Mount CL (ft)	Vert. O/S (ft)	Rad. HT (ft)	Horiz. O/S (ft)*	Qty	Appurtenance	Carrier
144.0	0.0	144.0	4.1	3	CCI ANTENNAS DMP65R-BU6D	AT&T Mobility
			0.3	3	CCI ANTENNAS DMP65R-BU6D	
			11.8	3	POWERWAVE 7770	
			4.1	3	ERICSSON TME-RRUS 4478 B14	
			0.3	3	ERICSSON TME-RADIO 4449	
			4.1	3	ERICSSON TME-RADIO 8843	
			7.9	1	RAYCAP TME-DC9-48-60-24-8C-EV	

\*Horizontal Offset is defined as the distance from the left most edge of the mount face horizontal when viewed facing the tower

**Structure Usages**

Horizontals	98.0%	Pass
Standoffs	72.0%	Pass
Mount Pipes	58.3%	Pass
<b>Max Usage</b>	<b>98.0%</b>	<b>Pass</b>

**Mount Connection Usages**

Reaction Data	Design Capacity*	Analysis Reactions	Results
Max Tension (lbs.)	10170.1	558.1	5.5%
Max Shear (lbs.)	6212.6	574.1	9.2%
Unity Check	--	--	1.2%

\*Assumed (4) 0.625" A307 Bolts. Contractor to field verify prior to proposed installation.

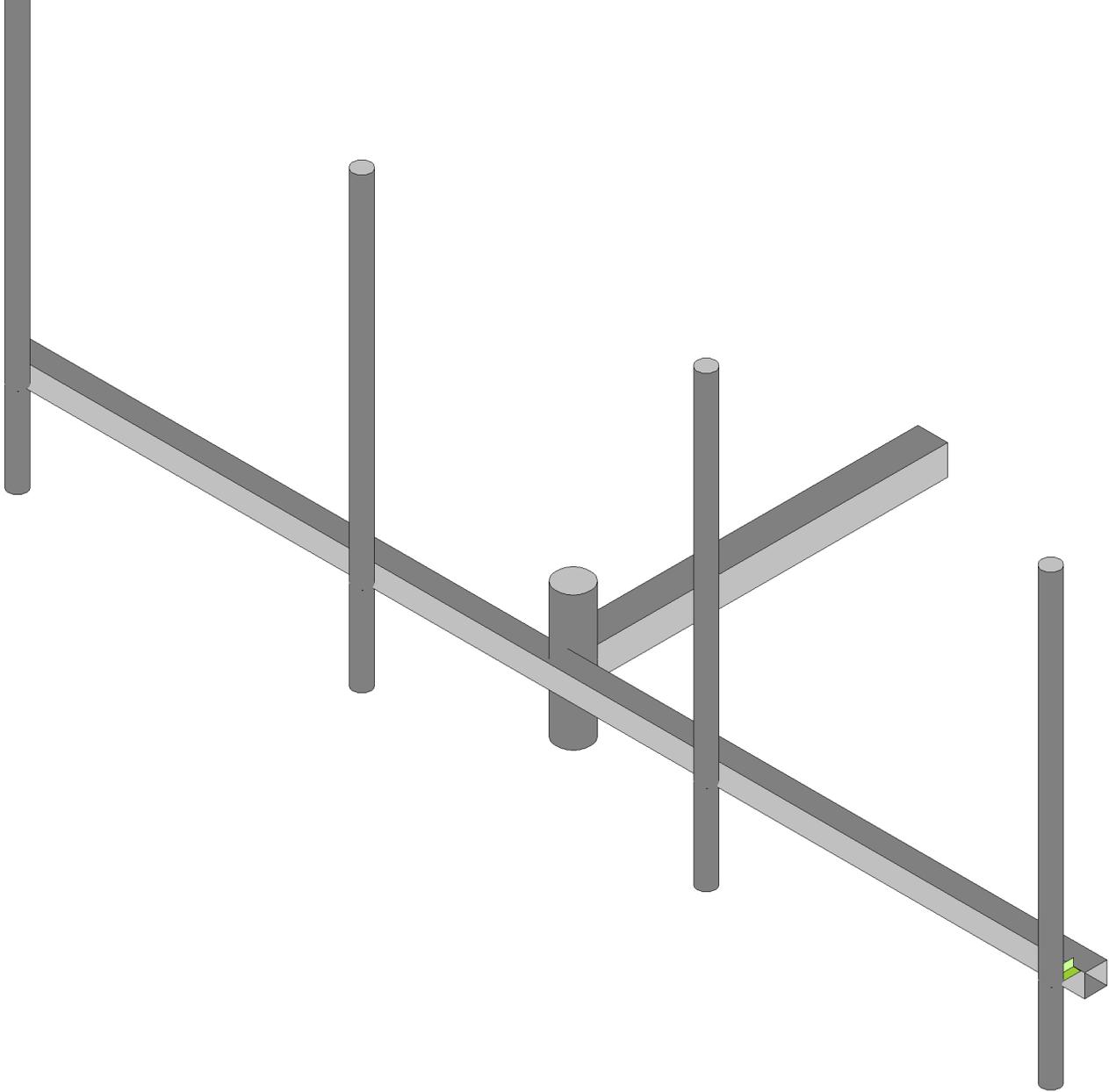
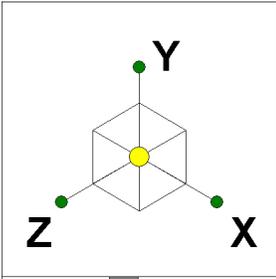
## **Assumptions and Limitations**

Our structural calculations are completed assuming all information provided to Infinigy Engineering is accurate and applicable to this site. For the purposes of calculations, we assume an overall structure condition of “like new” and all members and connections to be free of corrosion and/or structural defects. The structure owner and/or contractor shall verify the structure’s condition prior to installation of any proposed equipment. If actual conditions differ from those described in this report Infinigy Engineering should be notified immediately to complete a revised evaluation.

Our evaluation is completed using standard TIA, AISC, ACI, and ASCE methods and procedures. Our structural results are proprietary and should not be used by others as their own. Infinigy Engineering is not responsible for decisions made by others that are or are not based on our supplied assumptions and conclusions.

This report is an evaluation of the proposed carriers mount structure only and does not reflect adequacy of the existing tower, other mounts, or coax mounting attachments. These elements are assumed to be adequate for the purposes of this analysis and are assumed to have been installed per their manufacturer requirements.



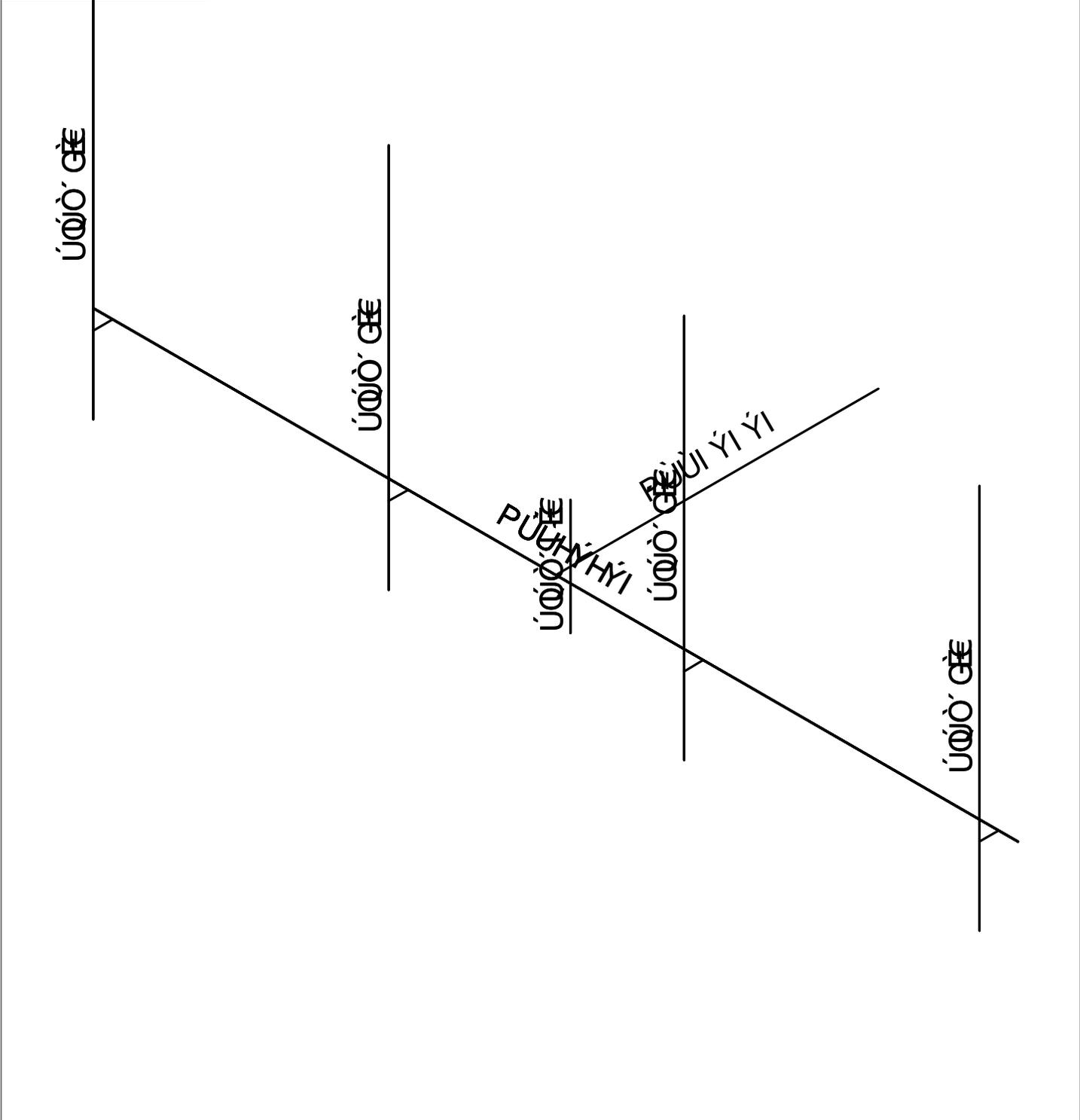
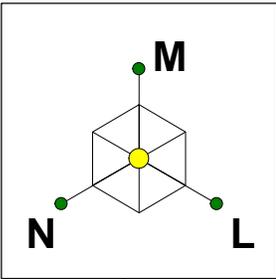


Infinigy Engineering, PLLC.  
BPM  
1106-A0001-B

CTL01251

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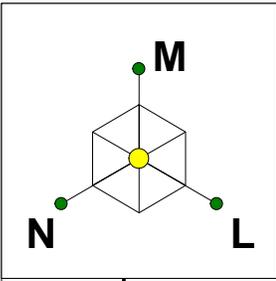




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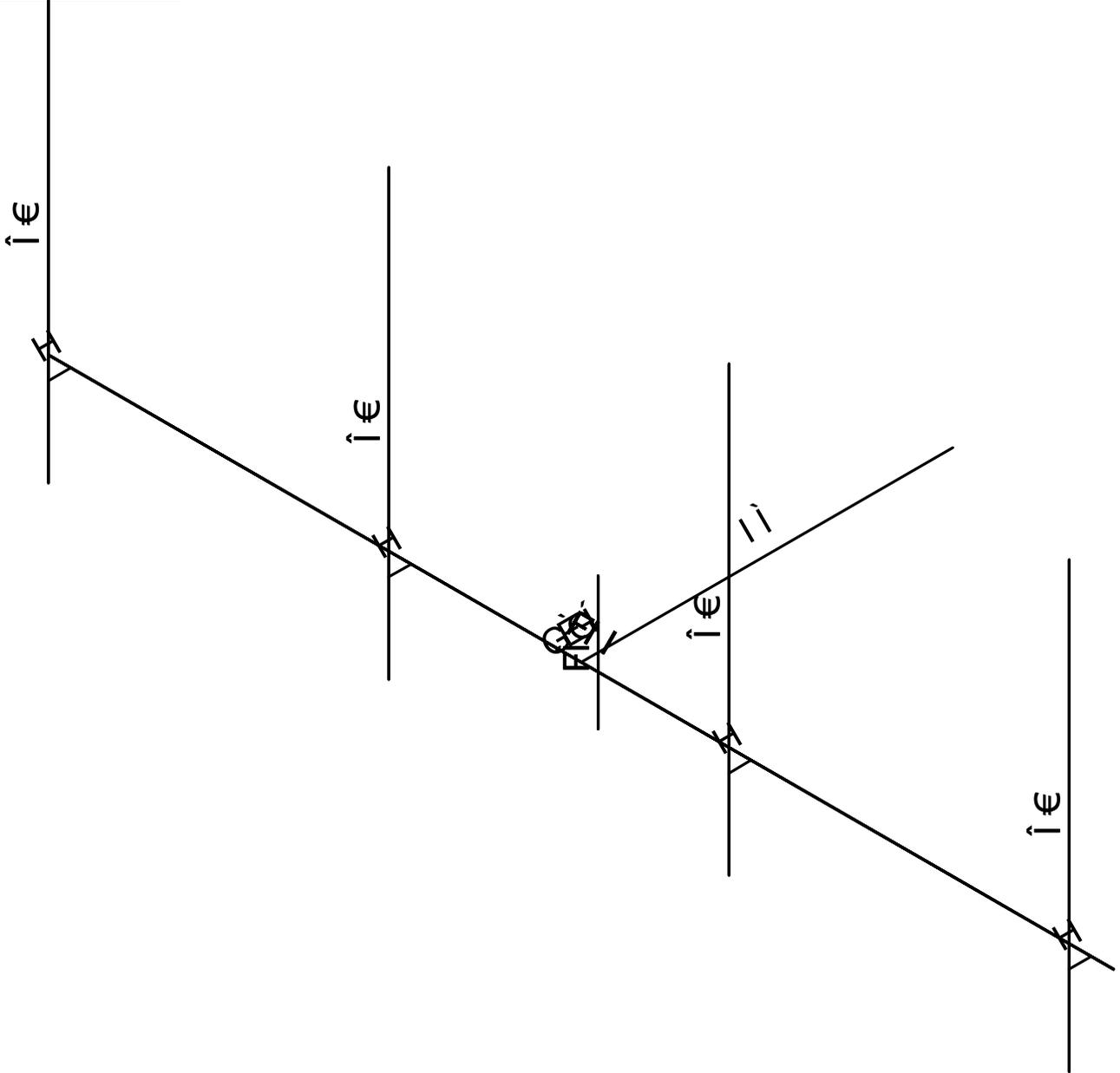
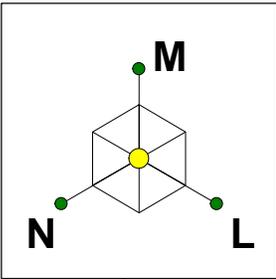
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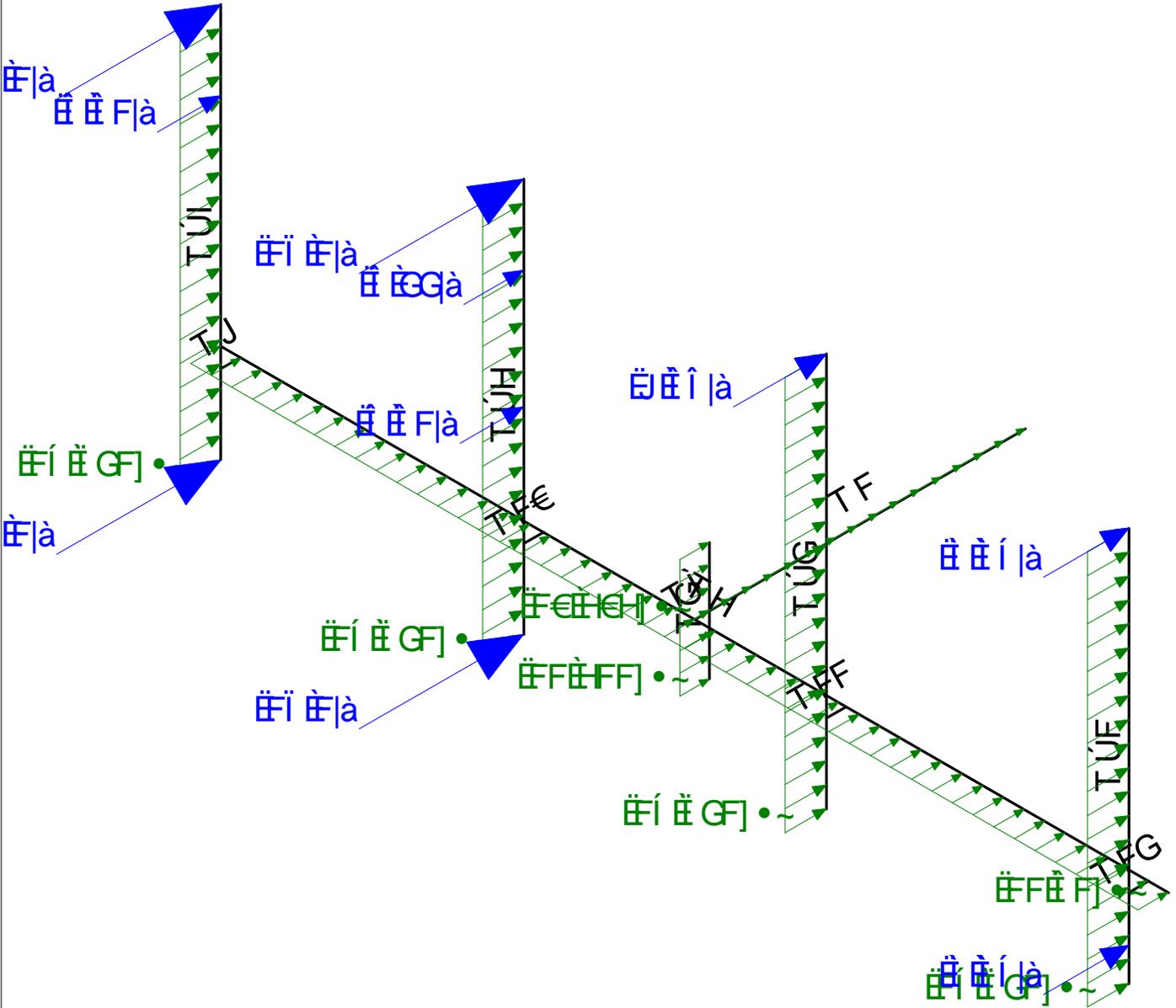
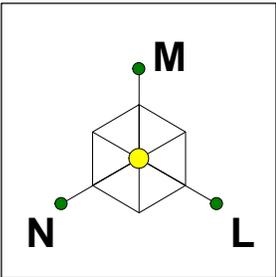
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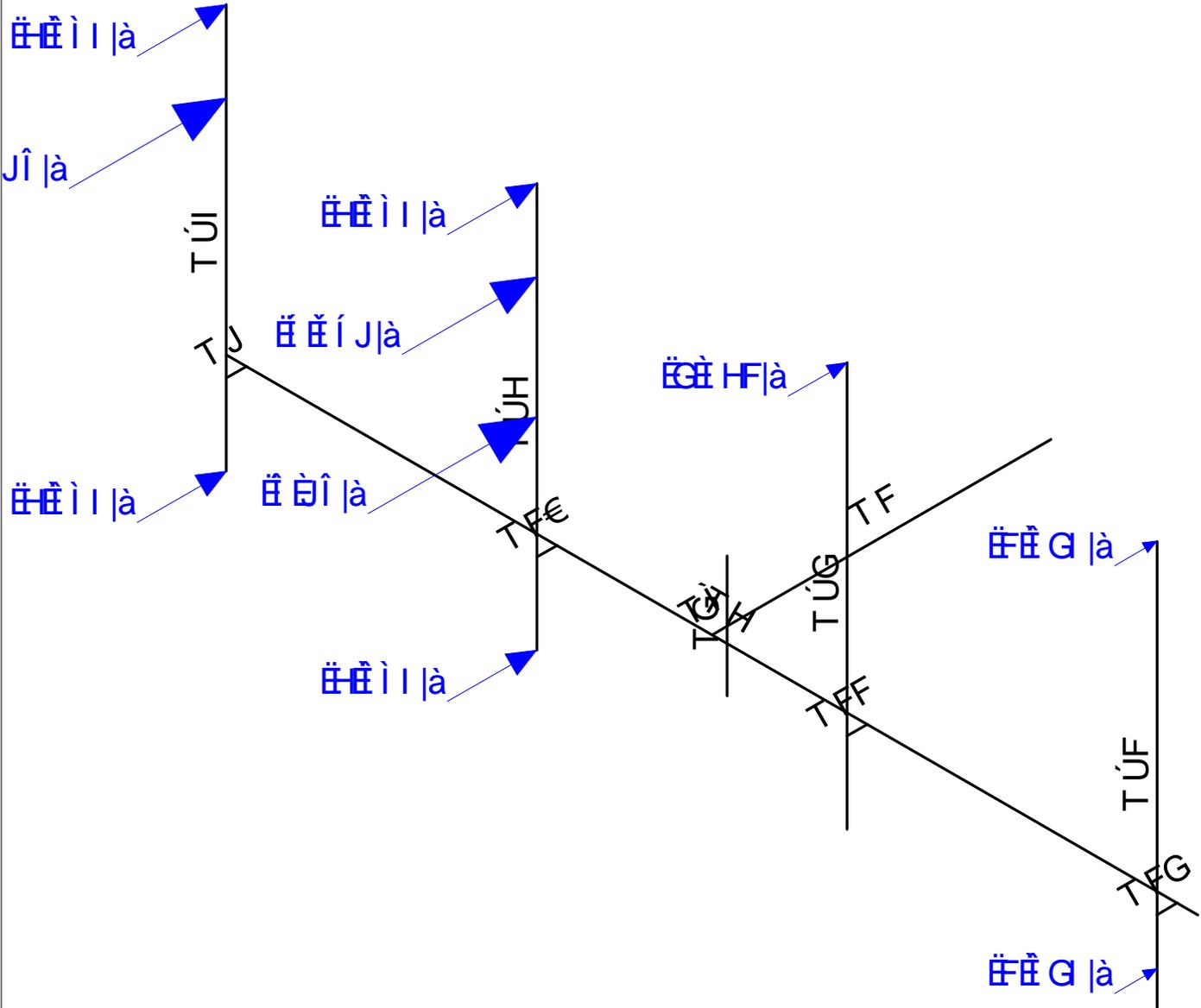
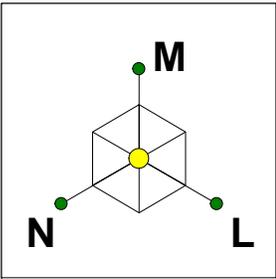
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Site Name:	CTL01251
Client:	Smartlink
Carrier:	AT&T Mobility
Engineer:	BPM
Date:	9/3/2019
Job #:	1106-A0001-B

<b>Code:</b>	LRFD
<b>Bolt Diameter</b>	0.625
<b>Bolt Grade:</b>	A307
<b>Threads Excluded?:</b>	N
<b>Axial (lbs):</b>	558.07
<b>Shear (lbs):</b>	574.12

**Bolt Info:**

Yield Strength ( $F_{yb}$ )	36.0 ksi
Ultimate Strength ( $F_{ub}$ )	60.0 ksi
Threads/in ( $n$ )	11
Gross Area ( $A_{gb}$ )	0.307 in <sup>2</sup>
Net Area ( $A_{nb}$ )	0.226 in <sup>2</sup>

Bolt Capacity (5/8" A325 Bolt), Total of (4) per Connection				
	Ult Load / Bolt	Factored Load ( $\phi=0.75$ )	# of Bolts	Factor Joint Capacity
Axial (lb)	13560.1	10170.1	1	10170
Shear(lb)	8283.5	6212.6	1	6213

Interaction Check	
$T / \phi T_n$	5.5%
$V / \phi V_n$	9.2%
$\leq 1.0$	1.2%
	OK

**DOCKET NO. 306** – Wireless *EDGE* Fairfield Group LLC } Connecticut  
application for a Certificate of Environmental Compatibility and }  
Public Need for the construction, maintenance, and operation of a } Siting  
cellular telecommunications facility located at 52 Library Street, }  
Salisbury, Connecticut. } Council

November 17, 2005

### **Decision and Order**

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Wireless *EDGE* Fairfield Group LLC for the construction, maintenance and operation of a wireless telecommunications facility to be located at 52 Library Street in Salisbury, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be designed as a monopole and shall be constructed no taller than 150 feet above ground level to provide telecommunications services to both public and private entities. Cingular's antennas to be mounted on the monopole shall be installed using a T-arm configuration.
2. The tower shall be designed and constructed in such a manner as to be able to accommodate a future extension. Any such extension must be approved by the Council as a petition for declaratory ruling, or other administrative procedure as deemed appropriate by the Council.
3. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Salisbury and all parties and intervenors, as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
  - a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas mountings, equipment building, access road, utility line, and landscaping; and

- b) construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
4. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council in the event other carriers locate at this facility or if circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
5. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
6. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
7. The Certificate Holder shall provide reasonable space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.
8. If the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.
9. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
10. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.
11. Any request for extension of the time periods referred to in Conditions 8 and 9 shall be filed with the Council not later than sixty days prior to the expiration date of this Certificate and shall be served on all parties and intervenors and the Town of Salisbury, as listed in the service list. Any proposed modifications to this Decision and Order shall likewise be so served.

12. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the Litchfield County Times and in the Lakeville Journal.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

<b>Status Granted</b>	<b>Status Holder (name, address &amp; phone number)</b>	<b>Representative (name, address &amp; phone number)</b>
<b>Applicant</b>	Wireless Edge Fairfield Group, LLC 270 North Avenue New Rochelle, NY 10801	Julie Donaldson Kohler, Esq. Cohen & Wolf, P.C. 1115 Broad Street Bridgeport, CT 06604 (203) 368-0211 (203) 394-9901 - fax jkohler@cohenandwolf.com
<b>Intervenor</b>  (approved 7/20/05)	New Cingular Wireless PCS, LLC	Christopher B. Fisher, Esq. Cuddy & Feder LLP 90 Maple Avenue White Plains, NY 10601 (914) 761-1300 (914) 761-6405 Fax
<b>Intervenor</b>  (approved 8/24/05)	Berkshire-Litchfield Environmental Council (BLEC) P.O. Box 552 Lakeville, CT 06039	Send correspondence to:  B. Blake Levitt, Trustee 355 Lake Road New Preston, CT 06777 (860) 868-7437 (860) 868-6010 blakelevit.com