



QC Development

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Storrs, CT 06268

860-670-9068

Mark.Roberts@QCDevelopment.net

February 15, 2017

Melanie A. Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Notice of Exempt Modification – New Cingular Wireless PCS, LLC (AT&T) – CT1071
15 Oakdale Avenue, Winchester, CT 06098
N 41-55-18
W 73-03-02

Dear Ms. Bachman:

AT&T currently maintains nine (9) antennas at the 184-foot level of the existing 180-foot Monopole at 15 Oakdale Avenue, Winchester, CT. The structure and property are owned by American Tower. AT&T now intends to remove three (3) Ericsson remote radio units (RRUS-11) and replace them with three (3) new Ericsson RRUS-12s. The new radio units would be installed at the 184-foot level of the tower. This filing is a re-submittal of EM-CING-162-170117 with an updated Structural Analysis Report. American Tower has determined that the tower *can* support the new equipment after removal of the abandoned Low Profile Platform at the 174-foot level.

This facility was approved by the Connecticut Siting Council in Docket # 138a on November 26, 1990. The Decision and Order included a condition limiting the tower height to 192 feet AGL. This modification therefore complies with the aforementioned approval.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Honorable Althea Candy Perez, Mayor of the Town of Winchester, and the Winchester Planning

and Community Development Department as well as the property owner and the tower owner.

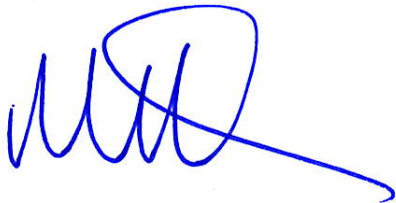
The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, AT&T respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitute an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Please feel free to call me at (860) 670-9068 with any questions regarding this matter. Thank you for your consideration.

Sincerely,



Mark Roberts
QC Development
Consultant for AT&T

Attachments

cc: The Honorable Althea Candy Perez - as elected official
Steven Sadlowski – local Planning Director
American Tower - as structure and property owner (via e-mail)

Power Density

Existing Loading on Tower

Carrier	# of Channels	ERP/Ch (W)	Antenna Centerline Height (ft)	Power Density (mW/cm ²)	Freq. Band (MHz ^{**})	Limit S (mW/cm ²)	%MPE
Other Carriers*							6.27%
AT&T GSM	2	565	184	0.0128	850	0.5667	0.23%
AT&T UMTS	1	283	184	0.0032	850	0.5667	0.06%
AT&T UMTS	2	875	184	0.0238	1900	1.0000	0.24%
AT&T LTE	1	1313	184	0.0149	734	0.4893	0.30%
AT&T LTE	4	525	184	0.0238	2300	1.0000	0.24%
Site Total							7.29%

*Per CSC Records (available upon request, includes calculation formulas)

** If a range of frequencies are used, such as 880-894, enter the lowest value, i.e. 880

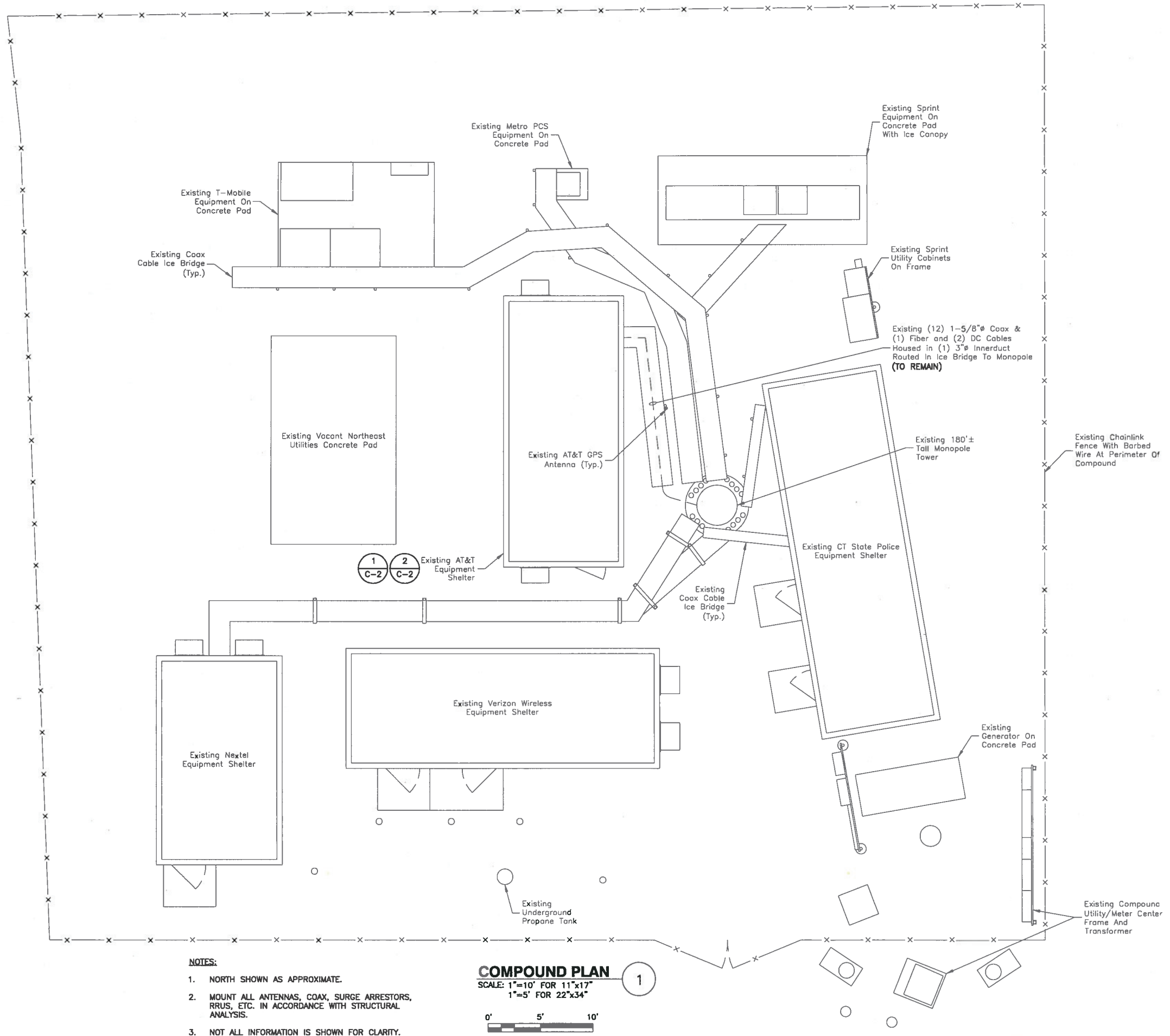
Proposed Loading on Tower

Carrier	# of Channels	ERP/Ch (W)	Antenna Centerline Height (ft)	Power Density (mW/cm ²)	Freq. Band (MHz ^{**})	Limit S (mW/cm ²)	%MPE
Other Carriers*							6.27%
AT&T GSM	1	500	184	0.0057	850	0.5667	0.10%
AT&T UMTS	2	500	184	0.0114	850	0.5667	0.20%
AT&T UMTS	1	500	184	0.0057	1900	1.0000	0.06%
AT&T LTE	1	1476	184	0.0168	734	0.4893	0.34%
AT&T LTE	2	3664	184	0.0832	1900	1.0000	0.83%
Site Total							7.80%

*Per CSC Records (available upon request, includes calculation formulas)

** If a range of frequencies are used, such as 880-894, enter the lowest value, i.e. 880

Note: Proposed Loading may also include corrections to certain Existing Loading values



- NOTES:**
1. NORTH SHOWN AS APPROXIMATE.
 2. MOUNT ALL ANTENNAS, COAX, SURGE ARRESTORS, RRUS, ETC. IN ACCORDANCE WITH STRUCTURAL ANALYSIS.
 3. NOT ALL INFORMATION IS SHOWN FOR CLARITY.

COMPOUND PLAN
 SCALE: 1"=10' FOR 11"x17"
 1"=5' FOR 22"x34"

0' 5' 10'



500 ENTERPRISE DRIVE SUITE 3A
 ROCKY HILL, CT 06067



27 NORTHWESTERN DRIVE
 SALEM, NH 03079

**CT1071
 WINSTED/
 WINCHESTER**

CONSTRUCTION DRAWINGS

1	01/10/17	ISSUED FOR CONSTRUCTION
A	01/03/17	ISSUED FOR REVIEW



Dewberry Engineers Inc.
 600 PARSIPPANY ROAD
 SUITE 301
 PARSIPPANY, NJ 07054
 PHONE: 973.739.9400
 FAX: 973.739.9710



CONNECTICUT LICENSE NO. 23222
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THIS DOCUMENT.

DRAWN BY:	JG
REVIEWED BY:	DER
CHECKED BY:	GHN
PROJECT NUMBER:	50055106
JOB NUMBER:	50085681
SITE ADDRESS:	

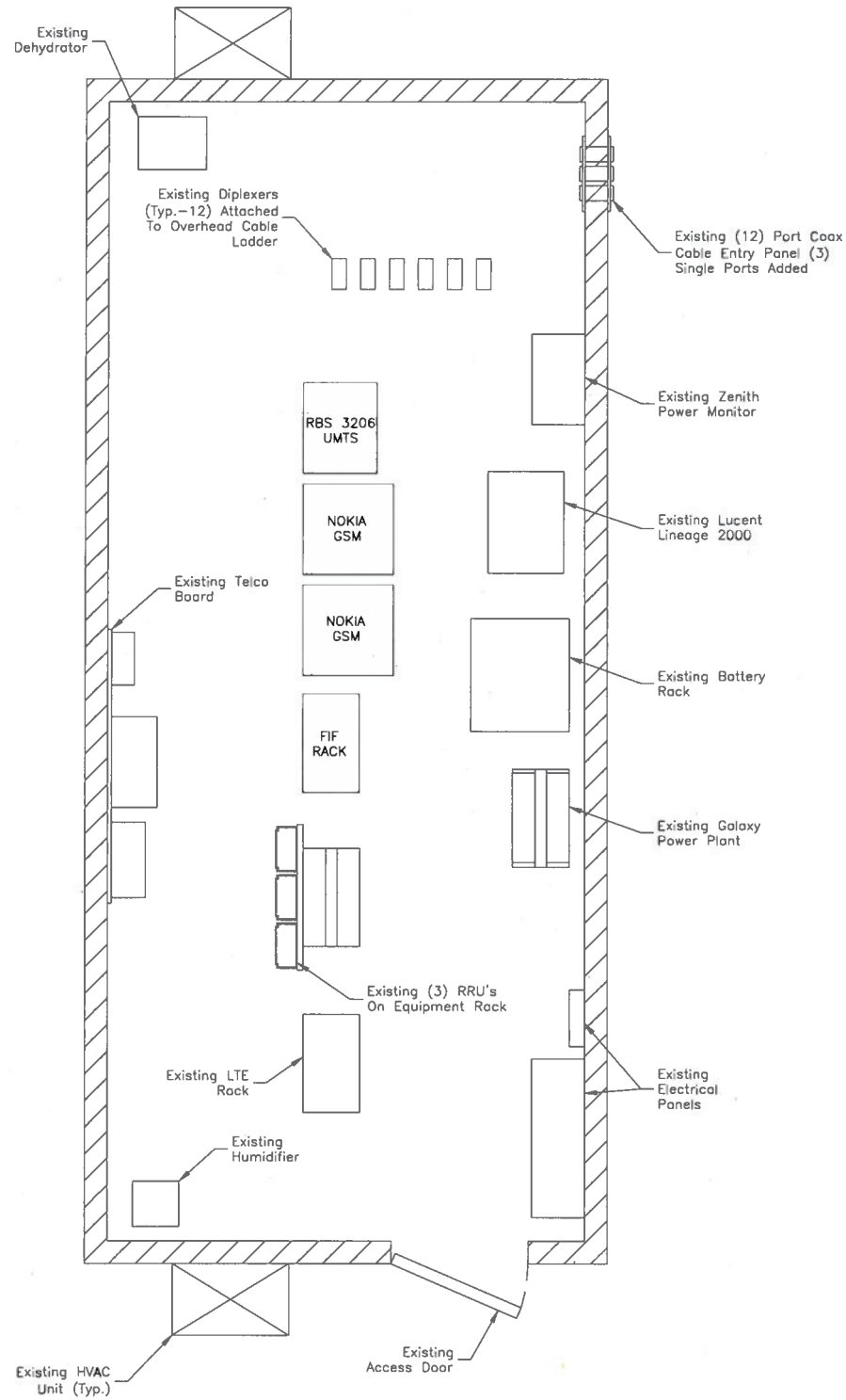
15 OAKDALE AVENUE
 WINSTED, CT 06098
 LITCHFIELD COUNTY

SHEET TITLE

COMPOUND PLAN

SHEET NUMBER

C-1

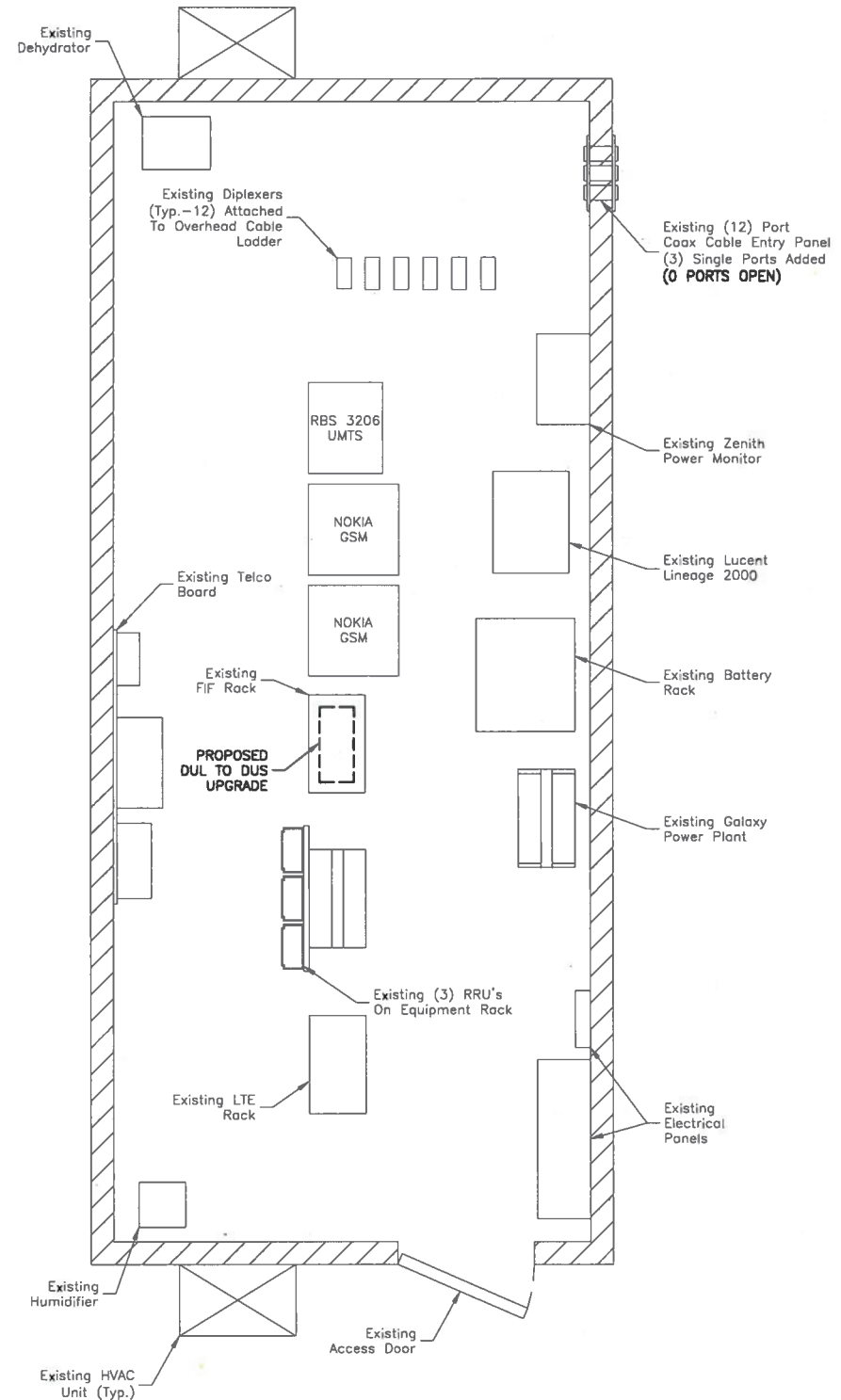


EXISTING SHELTER LAYOUT

SCALE: 1/4"=1' FOR 11"x17"
1/2"=1' FOR 22"x34"



1



PROPOSED SHELTER LAYOUT

SCALE: 1/4"=1' FOR 11"x17"
1/2"=1' FOR 22"x34"



2



500 ENTERPRISE DRIVE SUITE 3A
ROCKY HILL, CT 06067



27 NORTHWESTERN DRIVE
SALEM, NH 03079

**CT1071
WINSTED/
WINCHESTER**

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DRAWN BY: JG

REVIEWED BY: DER

CHECKED BY: GHN

PROJECT NUMBER: 50055106

JOB NUMBER: 50065681

SITE ADDRESS:

15 OAKDALE AVENUE
WINSTED, CT 06098
LITCHFIELD COUNTY

SHEET TITLE

EXISTING & PROPOSED
SHELTER LAYOUTS

SHEET NUMBER



500 ENTERPRISE DRIVE SUITE 3A
ROCKY HILL, CT 06067



27 NORTHWESTERN DRIVE
SALEM, NH 03079

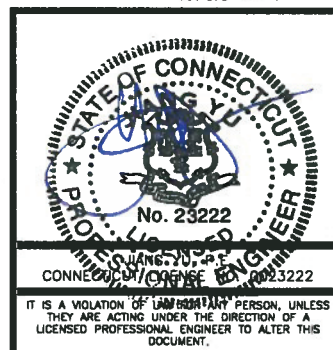
**CT1071
WINSTED/
WINCHESTER**

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DRAWN BY: JG

REVIEWED BY: DER

CHECKED BY: GHN

PROJECT NUMBER: 50055106

JOB NUMBER: 50065681

SITE ADDRESS:

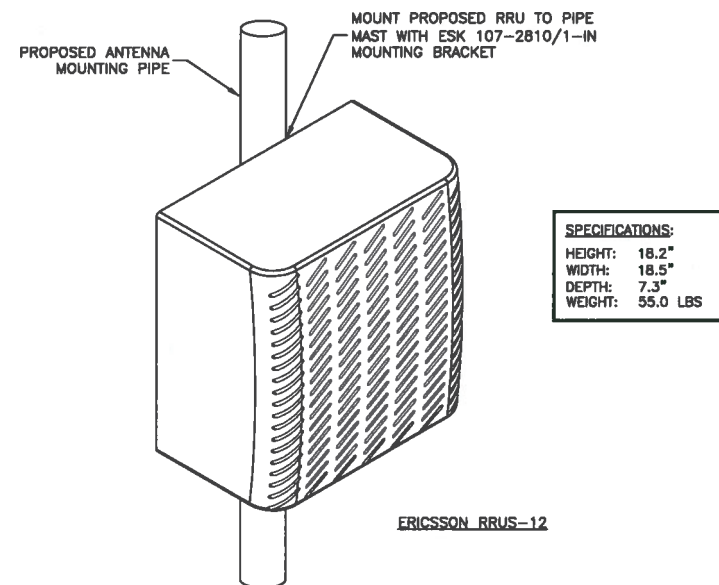
15 OAKDALE AVENUE
WINSTED, CT 06098
LITCHFIELD COUNTY

SHEET TITLE

CONSTRUCTION DETAILS

SHEET NUMBER

EXISTING/PROPOSED RRUS SCHEDULE			
SECTOR	MAKE	MODEL#	SIZE (INCHES)
ALPHA:	ERICSSON	RRUS-11	19.7x17.0x7.2
	ERICSSON	RRUS-12	18.2x18.5x7.3
BETA:	ERICSSON	RRUS-11	19.7x17.0x7.2
	ERICSSON	RRUS-12	18.2x18.5x7.3
GAMMA:	ERICSSON	RRUS-11	19.7x17.0x7.2
	ERICSSON	RRUS-12	18.2x18.5x7.3

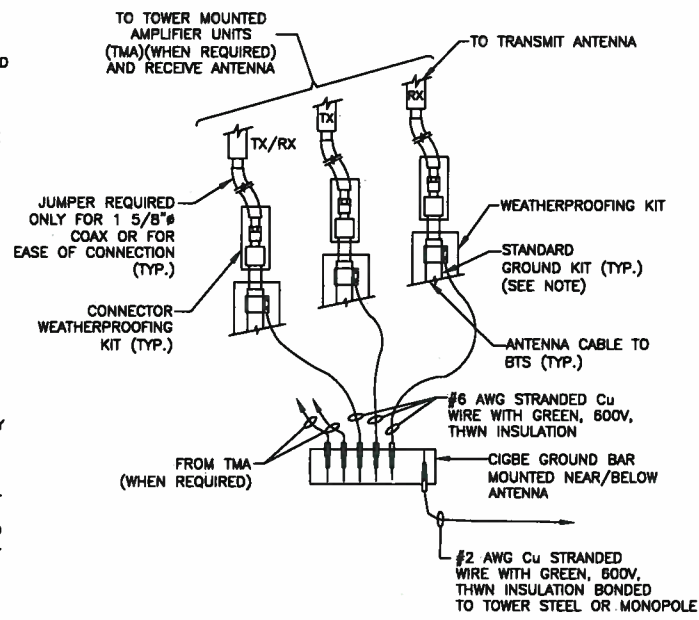


- RRU NOTES:**
1. MOUNT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
 2. GROUND EQUIPMENT AND MOUNTS PER MANUFACTURER'S RECOMMENDATIONS AND AT&T STANDARDS.
 3. CONFIRM REQUIRED EQUIPMENT WITH THE LATEST RFDS.

RRUS-12 - REMOTE RADIO UNIT
SCALE: N.T.S. 1

GROUNDING NOTES:

1. THE CONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ). THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE CONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE ENGINEER FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE BY TWO OR MORE COPPER BONDING CONDUCTORS. ALL AVAILABLE GROUNDING ELECTRODES SHALL BE CONNECTED TOGETHER IN ACCORDANCE WITH THE NEC.
3. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS. USE OF OTHER METHODS MUST BE PRE-APPROVED BY THE ENGINEER IN WRITING.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS ON TOWER SITES AND 10 OHMS OR LESS ON ROOFTOP SITES. WHEN ADDING ELECTRODES, CONTRACTOR SHALL MAINTAIN A MINIMUM DISTANCE BETWEEN THE ADDED ELECTRODE AND ANY OTHER EXISTING ELECTRODE EQUAL TO THE BURIED LENGTH OF THE ROD. IDEALLY, CONTRACTOR SHALL STRIVE TO KEEP THE SEPARATION DISTANCE EQUAL TO TWICE THE BURIED LENGTH OF THE RODS.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
6. METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE AND UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
7. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO TRANSMISSION EQUIPMENT.
8. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK-TO-BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED. IN ALL CASES, BENDS SHALL BE MADE WITH A MINIMUM BEND RADIUS OF 8 INCHES.
11. EACH INTERIOR TRANSMISSION CABINET FRAME/PLINTH SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH #6 AWG STRANDED, GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRE UNLESS NOTED OTHERWISE IN THE DETAILS. EACH OUTDOOR CABINET FRAME/PLINTH SHALL BE DIRECTLY CONNECTED TO THE BURIED GROUND RING WITH 2 AWG SOLID TIN-PLATED COPPER WIRE UNLESS NOTED OTHERWISE IN THE DETAILS.
12. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING, SHALL BE 2 AWG SOLID TIN-PLATED COPPER UNLESS OTHERWISE INDICATED.
13. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE. CONNECTIONS TO ABOVE GRADE UNITS SHALL BE MADE WITH EXOTHERMIC WELDS WHERE PRACTICAL OR WITH 2 HOLE MECHANICAL TYPE BRASS CONNECTORS WITH STAINLESS STEEL HARDWARE, INCLUDING SET SCREWS. HIGH PRESSURE CRIMP CONNECTORS MAY ONLY BE USED WITH WRITTEN PERMISSION FROM SAI MARKET REPRESENTATIVE.
14. EXOTHERMIC WELDS SHALL BE PERMITTED ON TOWERS ONLY WITH THE EXPRESS APPROVAL OF THE TOWER MANUFACTURER OR THE CONTRACTORS STRUCTURAL ENGINEER.
15. ALL WIRE TO WIRE GROUND CONNECTIONS TO THE INTERIOR GROUND RING SHALL BE FORMED USING HIGH PRESS CRIMPS OR SPLIT BOLT CONNECTORS WHERE INDICATED IN THE DETAILS.
16. ON ROOFTOP SITES WHERE EXOTHERMIC WELDS ARE A FIRE HAZARD COPPER COMPRESSION CAP CONNECTORS MAY BE USED FOR WIRE TO WIRE CONNECTIONS. 2 HOLE MECHANICAL TYPE BRASS CONNECTORS WITH STAINLESS STEEL HARDWARE, INCLUDING SET SCREWS SHALL BE USED FOR CONNECTION TO ALL ROOFTOP TRANSMISSION EQUIPMENT AND STRUCTURAL STEEL.
17. COAX BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR USING TWO-HOLE MECHANICAL TYPE BRASS CONNECTORS AND STAINLESS STEEL HARDWARE.
18. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
19. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
20. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
21. BOND ALL METALLIC OBJECTS WITHIN 6 FT OF THE BURIED GROUND RING WITH 2 AWG SOLID TIN-PLATED COPPER GROUND CONDUCTOR. DURING EXCAVATION FOR NEW GROUND CONDUCTORS, IF EXISTING GROUND CONDUCTORS ARE ENCOUNTERED, BOND EXISTING GROUND CONDUCTORS TO NEW CONDUCTORS.
22. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT WITH LISTED BONDING FITTINGS.

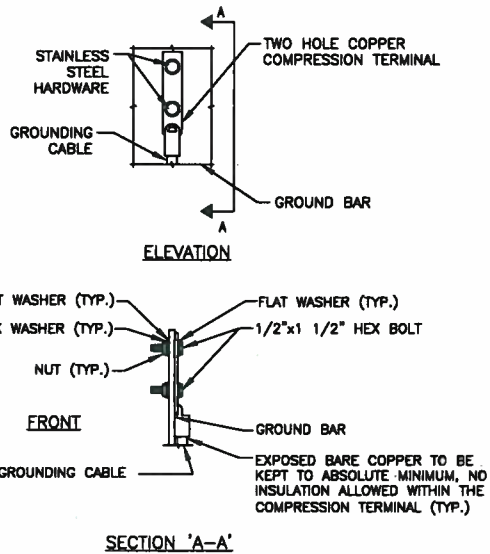


NOTE:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE.

CONNECTION OF GROUND WIRES TO GROUNDING BAR (CIGBE)

1



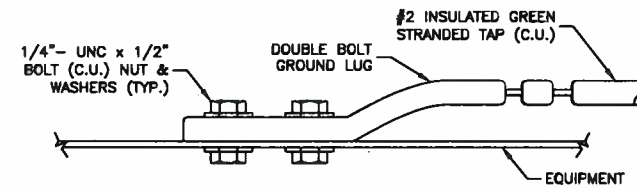
NOTES:

1. DOUBLING UP OR STACKING OF CONNECTIONS IS NOT PERMITTED.
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.

TYPICAL GROUND BAR MECHANICAL CONNECTION DETAIL

SCALE: N.T.S.

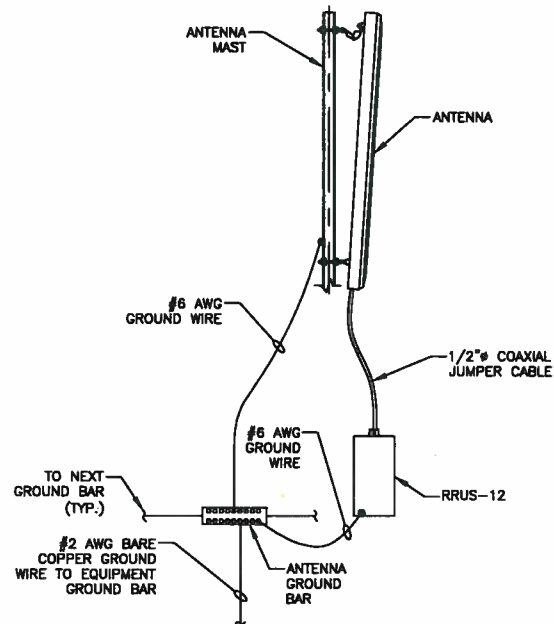
2



CONNECTION TO EQUIPMENT DETAIL

SCALE: N.T.S.

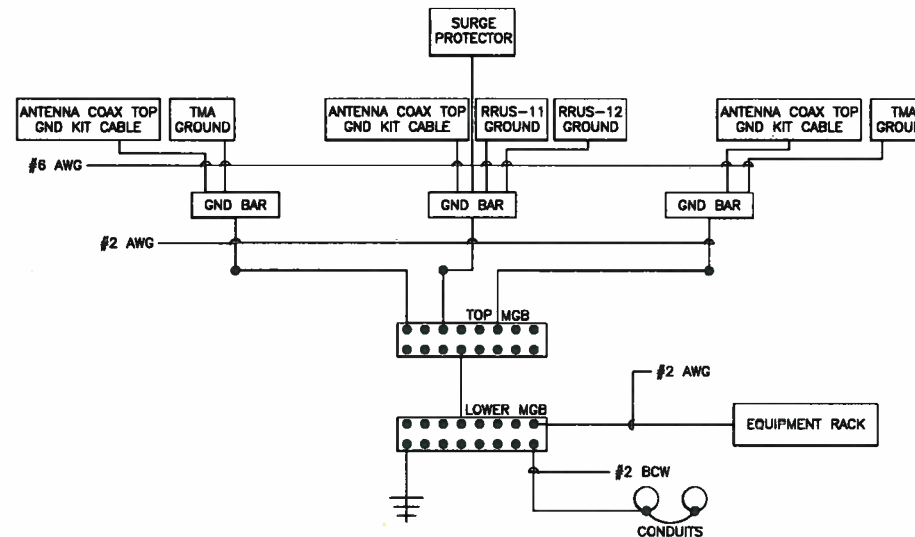
3



TYPICAL ANTENNA GROUNDING DETAIL

SCALE: N.T.S.

4



NOTES:

1. BOND ANTENNA GROUNDING KIT CABLE TO TOP CIGBE
2. BOND ANTENNA GROUNDING KIT CABLE TO BOTTOM CIGBE.
3. SCHEMATIC GROUNDING DIAGRAM IS TYPICAL FOR EACH SECTOR.
4. GROUND ALL EQUIPMENT PER MANUFACTURER RECOMMENDATIONS.

SCHEMATIC GROUNDING DIAGRAM

SCALE: N.T.S.

5



500 ENTERPRISE DRIVE SUITE 3A
ROCKY HILL, CT 06067



27 NORTHWESTERN DRIVE
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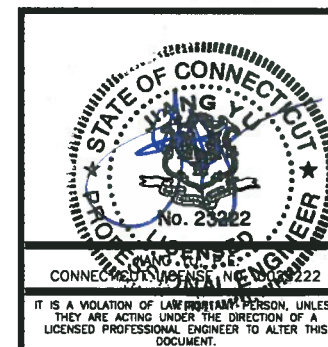
**CT1071
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CONSTRUCTION DRAWINGS

1	01/10/17	ISSUED FOR CONSTRUCTION
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DRAWN BY: JG

REVIEWED BY: DER

CHECKED BY: GHN

PROJECT NUMBER: 50055106

JOB NUMBER: 50085681

SITE ADDRESS:

15 OAKDALE AVENUE
WINSTED, CT 06098
LITCHFIELD COUNTY

SHEET TITLE

**GROUNDING NOTES
& DETAILS**

SHEET NUMBER



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 180 ft Monopole
ATC Site Name : Winchester CT 3, CT
ATC Site Number : 302506
Engineering Number : OAA692405_C3_02
Proposed Carrier : AT&T Mobility
Carrier Site Name : Winsted
Carrier Site Number : CT1071
Site Location : 15 Oakdale Avenue
Winsted, CT 06098-1862
41.921694,-73.049500
County : Litchfield
Date : February 6, 2017
Max Usage : 99%
Result : Pass

Prepared By:
Amir H. Tabarestani, E.I.
Structural Engineer II

Reviewed By:

COA: PEC.0001553



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Calculations Attached



Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 180 ft monopole to reflect the change in loading by AT&T Mobility.

Supporting Documents

Tower Drawings	EEI Job #7676, dated August 21, 2000
Foundation Drawing	SNET Project #F301804.10/F04, dated August 23, 2000
Geotechnical Report	Walti Project: Whalen's Hill, dated February 8, 2000
Modifications	ATC Job #42523432, dated October 24, 2008 ATC Job #50492933, dated October 15, 2012
Inspection	TIA Inspection completed by ATC, dated July 10, 2013 No Structural deficiencies were found.

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	93 mph (3-Second Gust, V_{ASD}), 120 mph (3-Second Gust, V_{ULT})
Basic Wind Speed w/ Ice:	40 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-G / 2012 IBC / 2016 Connecticut State Building Code
Structure Class:	III
Exposure Category:	B
Topographic Category:	1
Crest Height:	0 ft
Spectral Response:	$S_s = 0.18$, $S_1 = 0.06$
Site Class:	D - Stiff Soil

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.



Existing and Reserved Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
184.0	187.0	1	4' Omni	Low Profile Platform	(1) 7/8" Coax	USA Mobility
	184.0	1	Andrew ABT-DMDF-ADBH		(12) 1 5/8" Coax (2) 0.78" 8 AWG 6 (1) 3" Conduit (1) 0.40" Fiber	AT&T Mobility
		6	Powerwave LGP21401			
		3	Ericsson RRUS 11 (Band 12)			
		6	Powerwave 7770.00			
		3	KMW AM-X-CD-16-65-00T-RET			
163.0	163.0	3	Ericsson KRY 112 144/1	T-Arms	(12) 1 5/8" Coax (1) 1 1/4" Hybriflex	T-Mobile
		3	Ericsson AIR 21, 1.3M, B2A B4P			
		3	Ericsson AIR 21, 1.3M, B4A B2P			
152.0	152.0	1	Sinclair SD210-SF2P4SNM	Side Arm	(1) 1 5/8" Coax	Litchfield County Dispatch
146.0	147.0	1	Sinclair SC442D-HF1LDF(DXX-I30-G9-NUFP)	Side Arms	(7) 1 5/8" Coax (1) 1/2" Coax	CT Police Dept.
	146.0	1	Bird 432-83H-01-T			
		1	Sinclair SC479-HF1LDF			
		2	Decibel DB809DK-XT			
140.0	140.0	2	Bird 432-83H-01-T	Side Arms	(2) 3/8" Coax (1) 7/8" Coax (1) 1/2" Coax	
		1	Telewave ANT150D (5 lbs)			
137.0	137.0	3	Alcatel-Lucent 800MHz RRH w/ Notch Filter	Platform w/ Handrails	(3) 1 1/4" Hybriflex (1) 7/8" Fiber	Sprint Nextel
		3	Alcatel-Lucent 1900MHz RRH			
		3	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield			
		6	RFS APXVTM14-C-I20			
		3	RFS APXVSP18-C-A20			
122.0	122.0	6	RFS FD9R6004/2C-3L	Low Profile Platform	(12) 1 5/8" Coax	Verizon
		1	A Antel BXA-171063-12BF-EDIN-X			
		2	A Antel BXA-171085-12BF-EDIN-X			
		2	Amp Antel BXA-70063-6CF-EDIN-2			
		4	Antel LPA-80080/6CF			
		2	Antel LPA-80063/6CF			
		1	Antel BXA-70040/6CF			
113.0	113.0	12	Decibel DB844H90E-XY	Low Profile Platform	(12) 1 1/4" Coax	Sprint Nextel
112.5	-	-	-	-	(24) 1 5/8" Coax	Verizon
111.0	111.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	Metro PCS
96.0	96.0	2	Andrew DB586	Side Arms	(2) 7/8" Coax (1) 1/2" Coax	Connecticut Light & Power Co.
		1	Bird 429-83H-01-T			
80.0	80.0	1	RFS PA6-65AC	Leg	(1) EW63	CT Police Dept.
79.0	79.0	1	PCTEL GPS-TMG-HR-26N	Flush	(1) 1/2" Coax	Sprint Nextel
30.0	30.0	1	GPS	Flush	(1) 7/8" Coax	Verizon



Equipment to be Removed

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
184.0	184.0	3	Ericsson RRUS 11 (Band 12)	-	-	AT&T Mobility
174.0	174.0	-	-	Empty Low Profile Platform	-	-

Proposed Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
184.0	184.0	3	Ericsson RRUS-12 B2	Low Profile Platform	-	AT&T Mobility

¹Mount elevation is defined as height above bottom of steel structure to the bottom of mount, RAD elevation is defined as center of antenna above ground level (AGL).

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	66%	Pass
Shaft	67%	Pass
Base Plate	28%	Pass
Reinforcement	75%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	4,704.4	67%
Shear (Kips)	41.4	99%

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
184.0	Ericsson RRUS-12 B2	AT&T Mobility	3.561	2.480
80.0	RFS PA6-65AC	CT Police Dept.	0.623	0.908

*Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-G



Standard Conditions

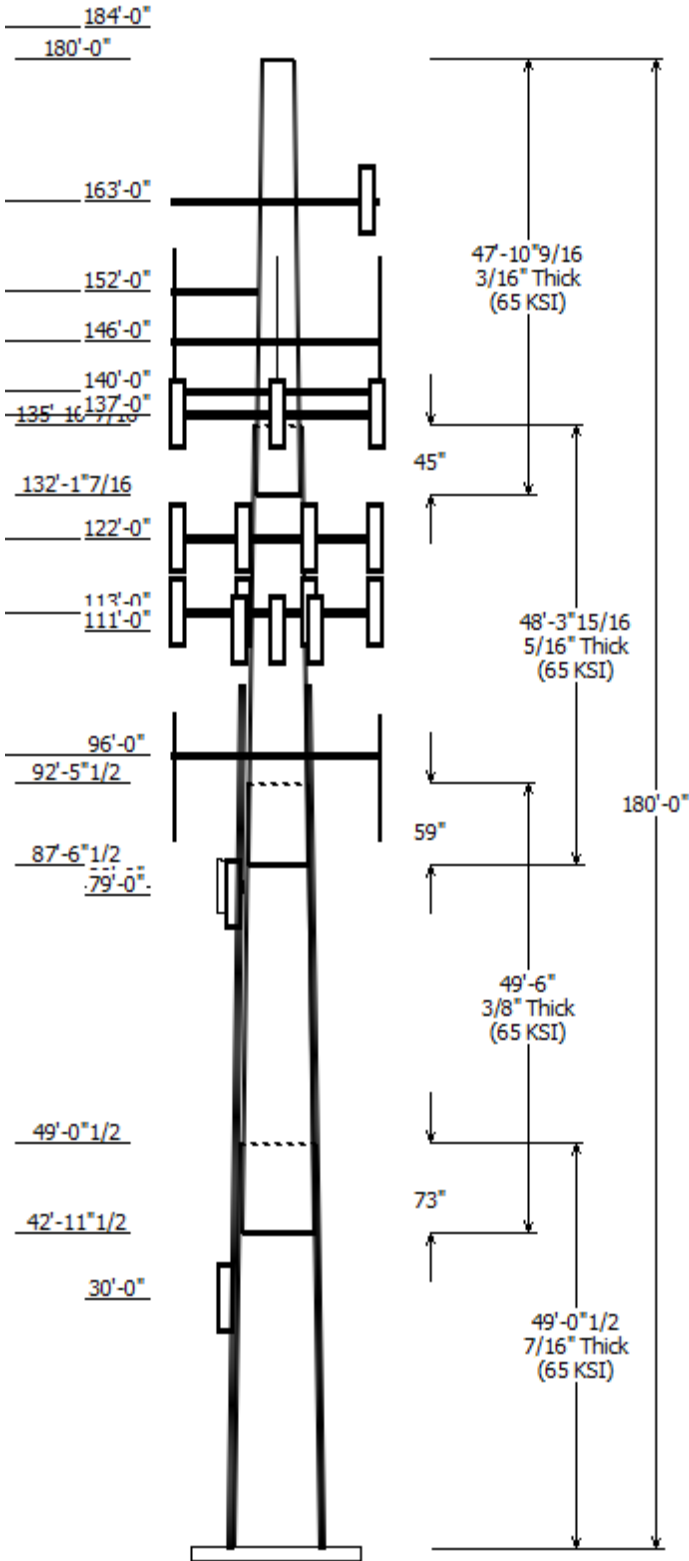
All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessary limited, to:

- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements of the structure.

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC 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 and that their capacity has not significantly changed from the "as new" condition.

Unless explicitly agreed by both the client and American Tower Corporation, all services will be performed in accordance with the current revision of ANSI/TIA -222. The design basic wind speed will be determined based on the minimum basic wind speed as prescribed in ANSI/TIA-222. Although every effort is taken to ensure that the loading considered is adequate to meet the requirements of all applicable regulatory entities, we can provide no assurance to meet any other local and state codes or requirements. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Service, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

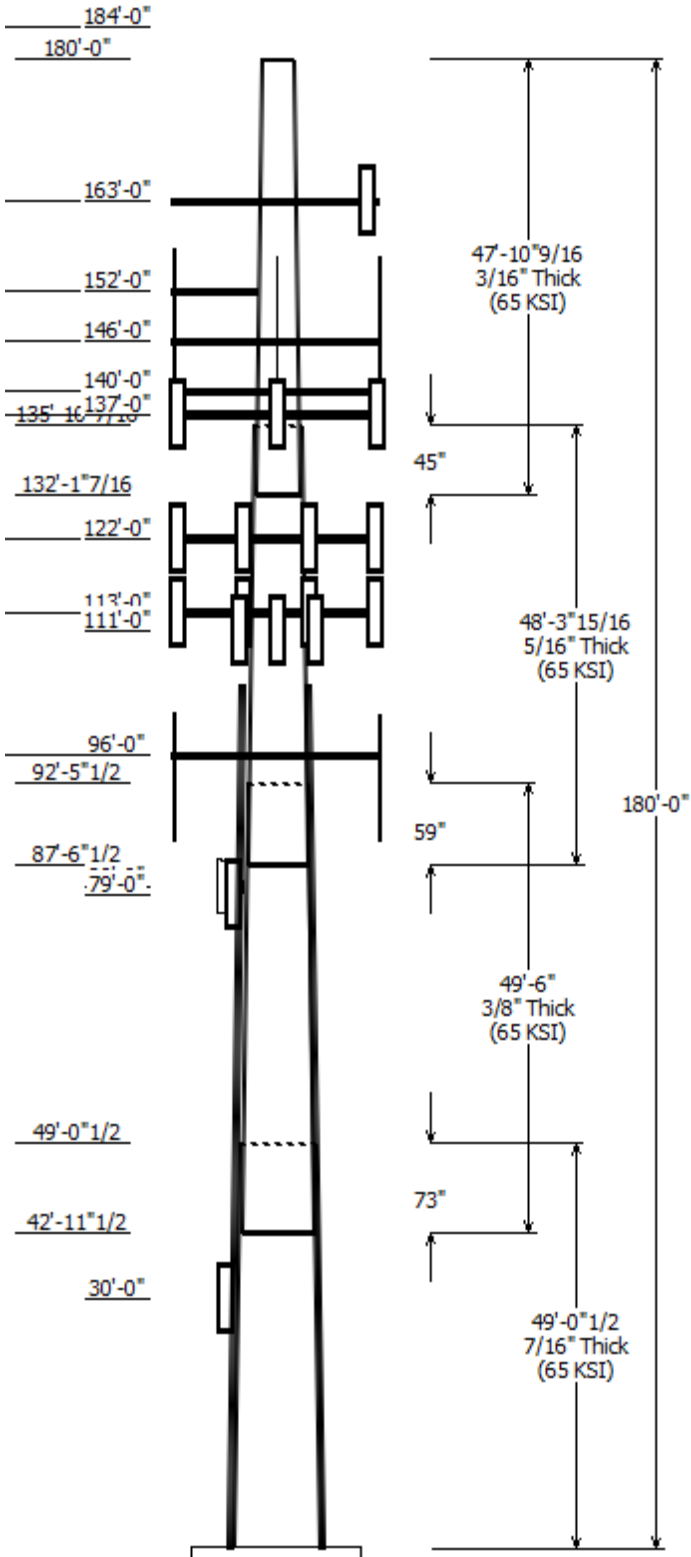


Job Information	
Pole :	302506
Code:	ANSI/TIA-222-G
Description :	180 ft EEI Monopole
Client :	AT&T Mobility
Struct Class :	III
Location :	Winchester CT 3, CT
Shape :	18 Sides
Exposure :	B
Height :	180.00 (ft)
Topo :	1
Base Elev (ft):	0.00
Taper:	0.21944(in/ft)

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
		Across Top	Flats Bottom					
1	49.040	41.98	52.75	0.438		0.000	0.219400	65
2	49.500	33.21	44.07	0.375	Slip Joint	73.000	0.219400	65
3	48.330	24.30	34.91	0.313	Slip Joint	59.000	0.219400	65
4	47.880	15.00	25.50	0.188	Slip Joint	45.000	0.219400	65

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
184.000	187.000	1	4' Omni
184.000	184.000	3	Ericsson RRUS-12 B2
184.000	184.000	3	Ericsson RRUS 11 (Band 12)
184.000	184.000	1	Flat Low Profile Platform
184.000	184.000	3	KMW AM-X-CD-16-65-00T-RET
184.000	184.000	6	Powerwave Allgon 7770.00
184.000	184.000	6	Powerwave Allgon LGP21401
184.000	184.000	1	Andrew ABT-DMDF-ADBH
163.000	163.000	3	Round T-Arm
163.000	163.000	3	Ericsson AIR 21, 1.3M, B4A B2P
163.000	163.000	3	Ericsson AIR 21, 1.3M, B2A B4P
163.000	163.000	3	Ericsson KRY 112 144/1
152.000	152.000	1	Round Side Arm
152.000	152.000	1	Sinclair SD210-SF2P4SNM
146.000	146.000	1	Sinclair SC479-HF1LDF
146.000	147.000	1	Sinclair SC442D-HF1LDF(DXX-
146.000	146.000	3	Round Side Arm
146.000	146.000	2	Decibel DB809DK-XT
146.000	146.000	1	Bird 432-83H-01-T
140.000	140.000	3	Round Side Arm
140.000	137.000	1	Telewave ANT150D (5 lbs)
140.000	140.000	2	Bird 432-83H-01-T
137.000	137.000	1	Flat Platform w/ Handrails
137.000	137.000	3	RFS APXVSP18-C-A20
137.000	137.000	6	RFS APXVTM14-C-I20
137.000	137.000	3	Alcatel-Lucent TD-RRH8x20-25
137.000	137.000	3	Alcatel-Lucent 1900MHz RRH
137.000	137.000	3	Alcatel-Lucent 800 MHz RRH
122.000	122.000	1	Round Low Profile Platform
122.000	122.000	1	Amphenol Antel BXA-
122.000	122.000	2	Antel LPA-80063/6CF
122.000	122.000	4	Antel LPA-80080/6CF
122.000	122.000	2	Amp Antel BXA-70063-6CF-
122.000	122.000	1	A Antel BXA-171063-12BF-EDIN-
122.000	122.000	2	A Antel BXA-171085-12BF-EDIN-
122.000	122.000	6	RFS FD9R6004/2C-3L
113.000	113.000	1	Round Low Profile Platform
113.000	113.000	12	Decibel DB844H90E-XY
111.000	111.000	3	RFS APXV18-206517S-C
96.000	96.000	3	Flat Side Arm
96.000	96.000	1	Bird 429-83H-01-T
96.000	92.000	1	Andrew DB586
96.000	96.000	1	Andrew DB586
80.000	80.000	1	RFS PA6-65AC

79.000	79.000	1	PCTEL GPS-TMG-HR-26N
30.000	30.000	1	GPS



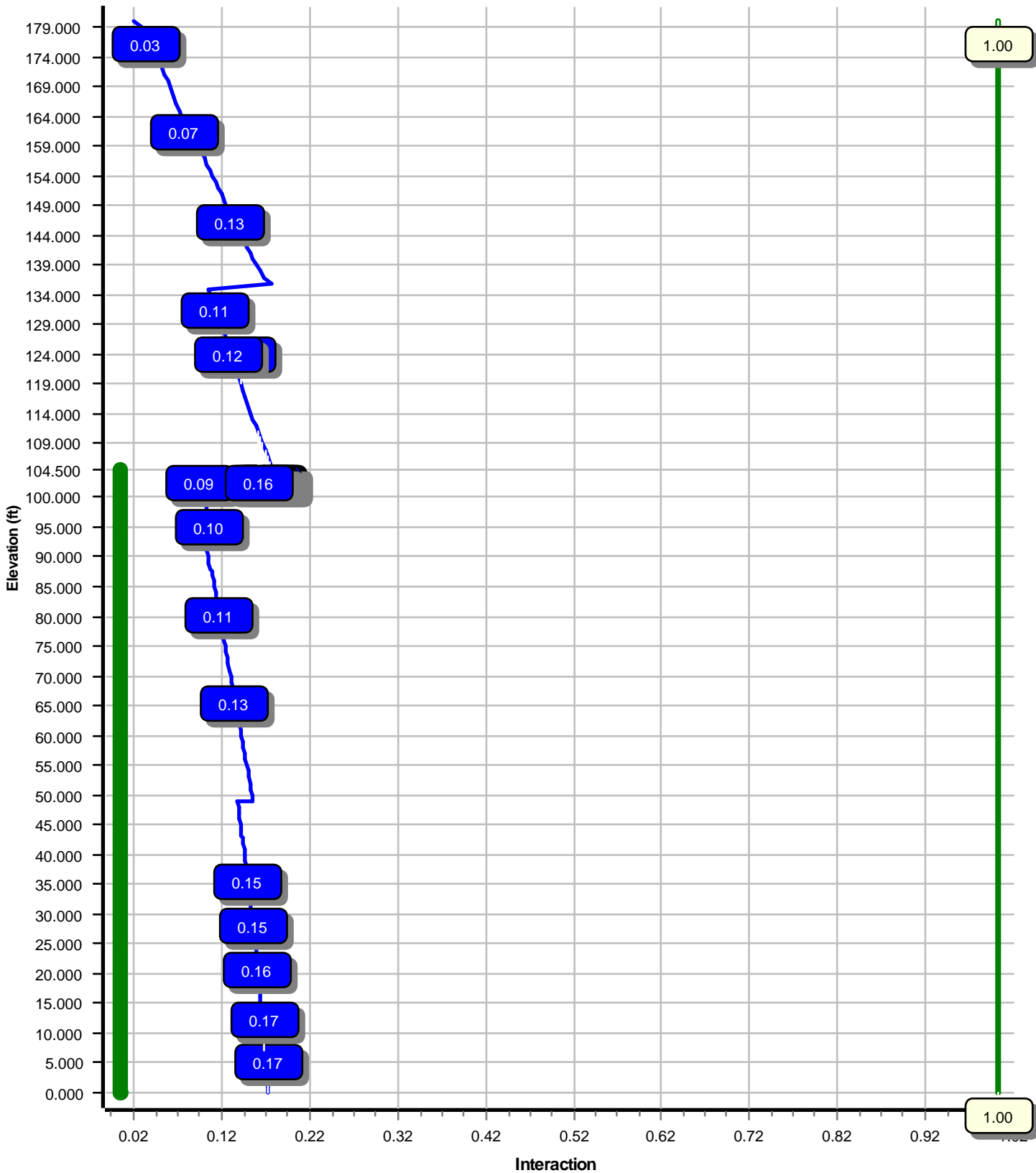
Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
112.5	122.0	1 5/8" Coax	Yes
112.5	163.0	1 5/8" Coax	Yes
0.000	184.0	0.40" Fiber Cable	No
0.000	184.0	0.78" 8 AWG 6	No
0.000	184.0	1 5/8" Coax	No
0.000	184.0	3" Conduit	No
0.000	184.0	7/8" Coax	No
0.000	137.0	1 1/4" Hybriflex	No
0.000	137.0	7/8" Fiber	No
0.000	140.0	1/2" Coax	No
0.000	140.0	3/8" Coax	No
0.000	140.0	7/8" Coax	No
0.000	146.0	1 5/8" Coax	No
0.000	146.0	1/2" Coax	No
0.000	152.0	1 5/8" Coax	No
0.000	163.0	1 1/4" Hybriflex	No
0.000	30.000	7/8" Coax	Yes
0.000	79.000	1/2" Coax	No
0.000	80.000	EW63	No
0.000	96.000	1/2" Coax	No
0.000	96.000	7/8" Coax	No
0.000	111.0	1 5/8" Coax	Yes
0.000	112.5	1 5/8" Coax	Yes
0.000	112.5	1 5/8" Coax	Yes
0.000	112.5	Reinforcement	Yes
0.000	113.0	1 1/4" Coax	Yes

Load Cases	
1.2D + 1.6W	93 mph with No Ice
0.9D + 1.6W	93 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	40 mph with 1.00 in Radial Ice
(1.2 + 0.2Sds) * DL + E	Seismic Equivalent Lateral Forces Method
(1.2 + 0.2Sds) * DL + E	Seismic Equivalent Modal Analysis Method
(0.9 - 0.2Sds) * DL + E	Seismic (Reduced DL) Equivalent Lateral
(0.9 - 0.2Sds) * DL + E	Seismic (Reduced DL) Equivalent Modal
1.0D + 1.0W	Serviceability 60 mph

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.6W	4704.42	41.42	70.60
0.9D + 1.6W	4553.31	40.07	52.94
1.2D + 1.0Di + 1.0Wi	881.33	6.80	150.62
(1.2 + 0.2Sds) * DL + E ELFM	321.68	2.57	69.50
(1.2 + 0.2Sds) * DL + E EMAM	151.33	2.10	69.50
(0.9 - 0.2Sds) * DL + E ELFM	317.31	2.57	48.41
(0.9 - 0.2Sds) * DL + E EMAM	149.05	2.10	48.41
1.0D + 1.0W	1196.15	10.47	58.84

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	80.00	7.024	0.849

Load Case : 1.0D + 1.0W
Max Ratio 17.50% at 104.5 ft



Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:02 PM

Customer: AT&T Mobility

Analysis Parameters

Location:	Litchfield County, CT	Height (ft):	180
Code:	ANSI/TIA-222-G	Base Diameter (in):	52.75
Shape:	18 Sides	Top Diameter (in):	15.00
Pole Type:	Taper	Taper (in/ft) :	0.219
Pole Manufacturer:	EEl	Rotation (deg) :	0.00

Ice & Wind Parameters

Structure Class:	III	Design Wind Speed Without Ice:	93 mph
Exposure Category:	B	Design Wind Speed With Ice:	40 mph
Topographic Category:	1	Operational Wind Speed:	60 mph
Crest Height:	0.0 ft	Design Ice Thickness:	1.00 in

Seismic Parameters

Analysis Method:	Equivalent Modal Analysis & Equivalent Lateral Force Methods		
Site Class:	D - Stiff Soil		
Period Based on Rayleigh Method (sec):	2.64		
T _L (sec):	8	p:	1.3
S _s :	0.177	S ₁ :	0.065
F _a :	1.600	F _v :	2.400
S _{ds} :	0.189	S _{d1} :	0.104
		C _s :	0.039
		C _s Max:	0.039
		C _s Min:	0.030

Load Cases

1.2D + 1.6W	93 mph with No Ice
0.9D + 1.6W	93 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	40 mph with 1.00 in Radial Ice
(1.2 + 0.2S _{ds}) * DL + E ELFM	Seismic Equivalent Lateral Forces Method
(1.2 + 0.2S _{ds}) * DL + E EMAM	Seismic Equivalent Modal Analysis Method
(0.9 - 0.2S _{ds}) * DL + E ELFM	Seismic (Reduced DL) Equivalent Lateral Forces Method
(0.9 - 0.2S _{ds}) * DL + E EMAM	Seismic (Reduced DL) Equivalent Modal Analysis Method
1.0D + 1.0W	Serviceability 60 mph

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Bottom						Top						
							Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Taper (in/ft)
1-18	49.040	0.4375	65		0.00	10,875	52.75	0.00	72.64	25115.3	19.85	120.57	41.98	49.04	57.70	12585.4	15.51	95.97	0.219444
2-18	49.500	0.3750	65	Slip	73.00	7,672	44.07	42.96	52.01	12548.0	19.31	117.53	33.21	92.46	39.08	5323.8	14.21	88.56	0.219444
3-18	48.330	0.3125	65	Slip	59.00	4,779	34.91	87.54	34.32	5191.7	18.29	111.73	24.30	135.87	23.80	1731.6	12.31	77.79	0.219444
4-18	47.880	0.1875	65	Slip	45.00	1,946	25.50	132.12	15.07	1220.4	22.58	136.04	15.00	180.00	8.81	244.4	12.70	80.00	0.219444
Shaft Weight						25,271													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	No Ice			Ice			Distance From Face (ft)	Vert Ecc (ft)
			Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor		
184.00	4' Omni	1	10.00	1.000	1.00	135.13	2.602	1.00	0.000	3.000
184.00	Andrew ABT-D MDF-ADBH	1	1.10	0.050	0.50	17.77	0.288	0.50	0.000	0.000
184.00	Ericsson RRUS 11 (Band 12)	3	50.00	2.570	0.50	212.43	3.747	0.50	0.000	0.000
184.00	Ericsson RRUS-12 B2	3	58.00	3.150	0.50	195.55	5.124	0.50	0.000	0.000
184.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	2,601.64	58.563	1.00	0.000	0.000
184.00	KMW AM-X-CD-16-65-00T-	3	48.50	8.020	0.67	415.18	10.316	0.67	0.000	0.000
184.00	Powerwave Allgon 7770.00	6	35.00	5.510	0.65	301.91	7.390	0.65	0.000	0.000
184.00	Powerwave Allgon LGP21401	6	14.10	1.100	0.50	87.82	1.954	0.50	0.000	0.000
163.00	Ericsson AIR 21, 1.3M, B2A	3	83.00	6.050	0.71	405.52	7.976	0.71	0.000	0.000
163.00	Ericsson AIR 21, 1.3M, B4A	3	81.50	6.090	0.70	403.94	8.022	0.70	0.000	0.000
163.00	Ericsson KRY 112 144/1	3	11.00	0.410	0.50	49.87	0.893	0.50	0.000	0.000
163.00	Round T-Arm	3	250.00	9.700	0.67	601.85	23.579	0.67	0.000	0.000
152.00	Round Side Arm	1	150.00	5.200	0.67	272.29	9.742	0.67	0.000	0.000
152.00	Sinclair SD210-SF2P4SNM	1	8.30	1.370	1.00	85.79	8.960	1.00	0.000	0.000
146.00	Bird 432-83H-01-T	1	25.00	1.400	0.50	97.18	2.706	0.50	0.000	0.000
146.00	Decibel DB809DK-XT	2	64.00	6.350	1.00	391.75	18.960	1.00	0.000	0.000
146.00	Round Side Arm	3	150.00	5.200	0.67	271.79	9.724	0.67	0.000	0.000
146.00	Sinclair SC442D-HF1LDF(DXX-	1	79.00	10.480	1.00	847.76	22.652	1.00	0.000	1.000
146.00	Sinclair SC479-HF1LDF	1	34.00	5.030	1.00	536.83	21.442	1.00	0.000	0.000
140.00	Bird 432-83H-01-T	2	25.00	1.400	0.50	96.87	2.700	0.50	0.000	0.000
140.00	Round Side Arm	3	150.00	5.200	0.67	271.28	9.705	0.67	0.000	0.000
140.00	Telewave ANT150D (5 lbs)	1	5.00	1.090	0.50	19.37	2.102	0.50	0.000	-3.000
137.00	Alcatel-Lucent 1900MHz RRH	3	44.00	3.260	0.50	277.37	3.661	0.50	0.000	0.000
137.00	Alcatel-Lucent 800 MHz RRH	3	61.80	2.500	0.50	260.20	3.211	0.50	0.000	0.000
137.00	Alcatel-Lucent TD-RRH8x20-	3	70.00	4.050	0.50	226.36	6.249	0.50	0.000	0.000
137.00	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	4,351.19	77.096	1.00	0.000	0.000
137.00	RFS APXVSP18-C-A20	3	57.00	8.020	0.69	429.14	10.248	0.69	0.000	0.000
137.00	RFS APXVTM14-C-I20	6	52.90	6.340	0.66	280.68	9.943	0.66	0.000	0.000
122.00	A Antel BXA-171063-12BF-	1	15.00	4.730	0.88	246.90	6.809	0.88	0.000	0.000
122.00	A Antel BXA-171085-12BF-	2	15.00	4.730	0.79	246.90	6.809	0.79	0.000	0.000
122.00	Amp Antel BXA-70063-6CF-	2	17.00	7.570	0.75	340.74	9.724	0.75	0.000	0.000
122.00	Amphenol Antel BXA-	1	37.50	14.250	0.70	599.21	16.837	0.70	0.000	0.000
122.00	Antel LPA-80063/6CF	2	27.00	9.590	0.82	541.25	11.893	0.82	0.000	0.000
122.00	Antel LPA-80080/6CF	4	21.00	8.630	0.65	379.43	6.361	0.65	0.000	0.000
122.00	RFS FD9R6004/2C-3L	6	3.10	0.360	0.50	33.86	0.809	0.50	0.000	0.000
122.00	Round Low Profile Platform	1	1500.00	21.700	1.00	2,559.47	53.095	1.00	0.000	0.000
113.00	Decibel DB844H90E-XY	12	14.00	3.610	0.74	221.58	4.538	0.74	0.000	0.000
113.00	Round Low Profile Platform	1	1500.00	21.700	1.00	2,551.35	52.854	1.00	0.000	0.000
111.00	RFS APXV18-206517S-C	3	26.40	5.160	0.68	252.45	7.236	0.68	0.000	0.000
96.00	Andrew DB586	1	8.30	0.740	1.00	108.36	2.685	1.00	0.000	0.000
96.00	Andrew DB586	1	8.30	0.740	1.00	108.36	2.685	1.00	0.000	-4.000
96.00	Bird 429-83H-01-T	1	20.00	1.050	0.50	101.04	1.699	0.50	0.000	0.000
96.00	Flat Side Arm	3	150.00	6.300	0.67	266.77	10.224	0.67	0.000	0.000
80.00	RFS PA6-65AC	1	278.00	47.050	1.00	1,018.66	54.242	1.00	0.000	0.000
79.00	PCTEL GPS-TMG-HR-26N	1	0.60	0.090	1.00	24.30	0.495	1.00	0.000	0.000
30.00	GPS	1	10.00	1.000	1.00	72.80	1.524	1.00	0.000	0.000

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

Totals 115 12242.30

41,612.02

Number of Loadings : 46

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Diameter (in)	Coax Weight (lb/ft)	Flat	Projected Width (in)	Exposed To Wind	Carrier
0.00	184.00	1	0.40" Fiber Cable	0.40	0.09	N	0.00	N	AT&T Mobility
0.00	184.00	2	0.78" 8 AWG 6	0.78	0.59	N	0.00	N	AT&T Mobility
0.00	184.00	12	1 5/8" Coax	1.98	0.82	N	0.00	N	AT&T Mobility
0.00	184.00	1	3" Conduit	3.50	7.58	N	0.00	N	AT&T Mobility
0.00	184.00	1	7/8" Coax	1.09	0.33	N	0.00	N	USA Mobility
0.00	163.00	1	1 1/4" Hybriflex	1.54	1.00	N	0.00	N	T-Mobile
112.50	163.00	12	1 5/8" Coax	1.98	0.82	N	3.96	Y	T-Mobile
0.00	152.00	1	1 5/8" Coax	1.98	0.82	N	0.00	N	Litchfield County Dispatch
0.00	146.00	7	1 5/8" Coax	1.98	0.82	N	0.00	N	CT Police Dept.
0.00	146.00	1	1/2" Coax	0.63	0.15	N	0.00	N	CT Police Dept.
0.00	140.00	1	1/2" Coax	0.63	0.15	N	0.00	N	CT Police Dept.
0.00	140.00	2	3/8" Coax	0.44	0.08	N	0.00	N	CT Police Dept.
0.00	140.00	1	7/8" Coax	1.09	0.33	N	0.00	N	CT Police Dept.
0.00	137.00	3	1 1/4" Hybriflex	1.54	1.00	N	0.00	N	Sprint Nextel
0.00	137.00	1	7/8" Fiber	0.88	0.70	N	0.00	N	Sprint Nextel
112.50	122.00	12	1 5/8" Coax	1.98	0.82	N	3.96	Y	Verizon
0.00	113.00	12	1 1/4" Coax	1.55	0.63	N	4.65	Y	Sprint Nextel
0.00	112.50	12	1 5/8" Coax	1.98	0.82	N	0.00	Y	T-Mobile
0.00	112.50	12	1 5/8" Coax	1.98	0.82	N	0.00	Y	Verizon
0.00	112.50	1	Reinforcement	9.27	43.00	N	4.00	Y	--
0.00	111.00	6	1 5/8" Coax	1.98	0.82	N	0.00	Y	Metro PCS
0.00	96.00	1	1/2" Coax	0.63	0.15	N	0.00	N	Connecticut Light & Power CO.
0.00	96.00	2	7/8" Coax	1.09	0.33	N	0.00	N	Connecticut Light & Power CO.
0.00	80.00	1	EW63	2.01	0.51	N	0.00	N	CT Police Dept.
0.00	79.00	1	1/2" Coax	0.63	0.15	N	0.00	N	Sprint Nextel
0.00	30.00	1	7/8" Coax	1.09	0.33	N	0.00	Y	Verizon

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	— Intermediate Connections —			Connectors	Continuation?
						Description	Spacing (in)	Len (in)		
0.00	104.5	4	SOL #20 All Thread	80	2.19	6" Angle Bracket	30.0	3.13	5/8" A36 U-Bolt	No

Segment Properties (Max Len : 1.ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in ³)	Z (in ³)	Weight (lb)	Additional Reinforcing		
												Area (in ²)	Ix (in ⁴)	Weight (lb)
0.00		0.4375	52.750	72.640	25,115.3	19.85	120.57	78.1	937.8	0.0	0.0	19.64	8,846	0.0
1.00		0.4375	52.531	72.335	24,800.6	19.76	120.07	78.2	929.9	0.0	246.7	19.64	8,781	66.8
2.00		0.4375	52.311	72.030	24,488.5	19.67	119.57	78.3	922.0	0.0	245.6	19.64	8,715	66.8
3.00		0.4375	52.092	71.726	24,179.0	19.58	119.07	78.4	914.2	0.0	244.6	19.64	8,650	66.8
4.00		0.4375	51.872	71.421	23,872.2	19.50	118.57	78.5	906.4	0.0	243.5	19.64	8,585	66.8
5.00		0.4375	51.653	71.116	23,567.9	19.41	118.06	78.6	898.7	0.0	242.5	19.64	8,521	66.8
6.00		0.4375	51.433	70.812	23,266.3	19.32	117.56	78.7	891.0	0.0	241.5	19.64	8,457	66.8
7.00		0.4375	51.214	70.507	22,967.2	19.23	117.06	78.8	883.3	0.0	240.4	19.64	8,393	66.8
8.00		0.4375	50.994	70.202	22,670.7	19.14	116.56	78.9	875.6	0.0	239.4	19.64	8,329	66.8
9.00		0.4375	50.775	69.897	22,376.8	19.05	116.06	79.0	868.0	0.0	238.4	19.64	8,265	66.8
10.00		0.4375	50.556	69.593	22,085.4	18.96	115.56	79.1	860.4	0.0	237.3	19.64	8,202	66.8
11.00		0.4375	50.336	69.288	21,796.6	18.88	115.05	79.2	852.9	0.0	236.3	19.64	8,139	66.8
12.00		0.4375	50.117	68.983	21,510.2	18.79	114.55	79.3	845.4	0.0	235.3	19.64	8,076	66.8
13.00		0.4375	49.897	68.679	21,226.5	18.70	114.05	79.4	837.9	0.0	234.2	19.64	8,013	66.8
14.00		0.4375	49.678	68.374	20,945.2	18.61	113.55	79.5	830.4	0.0	233.2	19.64	7,951	66.8
15.00		0.4375	49.458	68.069	20,666.4	18.52	113.05	79.6	823.0	0.0	232.1	19.64	7,889	66.8
16.00		0.4375	49.239	67.764	20,390.1	18.43	112.55	79.7	815.6	0.0	231.1	19.64	7,827	66.8
17.00		0.4375	49.019	67.460	20,116.3	18.35	112.04	79.8	808.3	0.0	230.1	19.64	7,765	66.8
18.00		0.4375	48.800	67.155	19,844.9	18.26	111.54	79.9	801.0	0.0	229.0	19.64	7,704	66.8
19.00		0.4375	48.581	66.850	19,576.0	18.17	111.04	80.0	793.7	0.0	228.0	19.64	7,643	66.8
20.00		0.4375	48.361	66.546	19,309.5	18.08	110.54	80.1	786.4	0.0	227.0	19.64	7,582	66.8
21.00		0.4375	48.142	66.241	19,045.5	17.99	110.04	80.2	779.2	0.0	225.9	19.64	7,521	66.8
22.00		0.4375	47.922	65.936	18,783.8	17.90	109.54	80.3	772.0	0.0	224.9	19.64	7,461	66.8
23.00		0.4375	47.703	65.631	18,524.6	17.82	109.03	80.4	764.9	0.0	223.8	19.64	7,401	66.8
24.00		0.4375	47.483	65.327	18,267.8	17.73	108.53	80.6	757.8	0.0	222.8	19.64	7,341	66.8
25.00		0.4375	47.264	65.022	18,013.3	17.64	108.03	80.7	750.7	0.0	221.8	19.64	7,281	66.8
26.00		0.4375	47.044	64.717	17,761.3	17.55	107.53	80.8	743.6	0.0	220.7	19.64	7,222	66.8
27.00		0.4375	46.825	64.413	17,511.6	17.46	107.03	80.9	736.6	0.0	219.7	19.64	7,162	66.8
28.00		0.4375	46.606	64.108	17,264.2	17.37	106.53	81.0	729.6	0.0	218.7	19.64	7,103	66.8
29.00		0.4375	46.386	63.803	17,019.2	17.28	106.03	81.1	722.7	0.0	217.6	19.64	7,045	66.8
30.00		0.4375	46.167	63.498	16,776.5	17.20	105.52	81.2	715.7	0.0	216.6	19.64	6,986	66.8
31.00		0.4375	45.947	63.194	16,536.2	17.11	105.02	81.3	708.9	0.0	215.6	19.64	6,928	66.8
32.00		0.4375	45.728	62.889	16,298.1	17.02	104.52	81.4	702.0	0.0	214.5	19.64	6,870	66.8
33.00		0.4375	45.508	62.584	16,062.4	16.93	104.02	81.5	695.2	0.0	213.5	19.64	6,812	66.8
34.00		0.4375	45.289	62.280	15,828.9	16.84	103.52	81.6	688.4	0.0	212.4	19.64	6,755	66.8
35.00		0.4375	45.069	61.975	15,597.7	16.75	103.02	81.7	681.6	0.0	211.4	19.64	6,698	66.8
36.00		0.4375	44.850	61.670	15,368.7	16.67	102.51	81.8	674.9	0.0	210.4	19.64	6,641	66.8
37.00		0.4375	44.631	61.365	15,142.0	16.58	102.01	81.9	668.2	0.0	209.3	19.64	6,584	66.8
38.00		0.4375	44.411	61.061	14,917.6	16.49	101.51	82.0	661.6	0.0	208.3	19.64	6,527	66.8
39.00		0.4375	44.192	60.756	14,695.4	16.40	101.01	82.1	655.0	0.0	207.3	19.64	6,471	66.8
40.00		0.4375	43.972	60.451	14,475.4	16.31	100.51	82.2	648.4	0.0	206.2	19.64	6,415	66.8
41.00		0.4375	43.753	60.147	14,257.6	16.22	100.01	82.3	641.8	0.0	205.2	19.64	6,359	66.8
42.00		0.4375	43.533	59.842	14,042.0	16.13	99.50	82.4	635.3	0.0	204.1	19.64	6,304	66.8
42.96	Bot - Section 2	0.4375	43.323	59.550	13,837.8	16.05	99.02	82.5	629.1	0.0	194.3	19.64	6,251	63.9
43.00		0.4375	43.314	59.537	13,828.6	16.05	99.00	82.5	628.8	0.0	16.5	19.64	6,439	2.9
44.00		0.4375	43.094	59.232	13,617.3	15.96	98.50	82.6	622.4	0.0	378.6	19.64	6,383	66.8
45.00		0.4375	42.875	58.928	13,408.2	15.87	98.00	82.6	616.0	0.0	376.6	19.64	6,327	66.8
46.00		0.4375	42.656	58.623	13,201.3	15.78	97.50	82.6	609.6	0.0	374.7	19.64	6,272	66.8
47.00		0.4375	42.436	58.318	12,996.5	15.69	97.00	82.6	603.2	0.0	372.8	19.64	6,216	66.8
48.00		0.4375	42.217	58.014	12,793.9	15.60	96.50	82.6	596.9	0.0	370.9	19.64	6,162	66.8
49.00		0.4375	41.997	57.709	12,593.3	15.52	95.99	82.6	590.6	0.0	368.9	19.64	6,107	66.8
49.04	Top - Section 1	0.3750	42.738	50.421	11,432.7	18.69	113.97	79.4	526.9	0.0	14.7	19.64	6,105	2.7
50.00		0.3750	42.528	50.171	11,263.0	18.59	113.41	79.5	521.6	0.0	164.3	19.64	6,053	64.1
51.00		0.3750	42.308	49.909	11,088.0	18.48	112.82	79.7	516.2	0.0	170.3	19.64	5,998	66.8
52.00		0.3750	42.089	49.648	10,914.8	18.38	112.24	79.8	510.8	0.0	169.4	19.64	5,944	66.8
53.00		0.3750	41.869	49.387	10,743.5	18.28	111.65	79.9	505.4	0.0	168.5	19.64	5,891	66.8
54.00		0.3750	41.650	49.126	10,573.9	18.17	111.07	80.0	500.0	0.0	167.6	19.64	5,837	66.8
55.00		0.3750	41.431	48.865	10,406.2	18.07	110.48	80.1	494.7	0.0	166.7	19.64	5,784	66.8

56.00		0.3750	41.211	48.603	10,240.2	17.97	109.90	80.3	489.4	0.0	165.8	19.64	5,731	66.8
57.00		0.3750	40.992	48.342	10,076.0	17.86	109.31	80.4	484.1	0.0	164.9	19.64	5,678	66.8
58.00		0.3750	40.772	48.081	9,913.6	17.76	108.73	80.5	478.9	0.0	164.1	19.64	5,626	66.8
59.00		0.3750	40.553	47.820	9,752.9	17.66	108.14	80.6	473.7	0.0	163.2	19.64	5,574	66.8
60.00		0.3750	40.333	47.559	9,594.0	17.55	107.56	80.8	468.5	0.0	162.3	19.64	5,522	66.8
61.00		0.3750	40.114	47.298	9,436.8	17.45	106.97	80.9	463.4	0.0	161.4	19.64	5,470	66.8
62.00		0.3750	39.894	47.036	9,281.3	17.35	106.39	81.0	458.2	0.0	160.5	19.64	5,419	66.8
63.00		0.3750	39.675	46.775	9,127.5	17.24	105.80	81.1	453.1	0.0	159.6	19.64	5,367	66.8
64.00		0.3750	39.456	46.514	8,975.5	17.14	105.21	81.2	448.1	0.0	158.7	19.64	5,316	66.8
65.00		0.3750	39.236	46.253	8,825.1	17.04	104.63	81.4	443.0	0.0	157.8	19.64	5,266	66.8
66.00		0.3750	39.017	45.992	8,676.5	16.94	104.04	81.5	438.0	0.0	156.9	19.64	5,215	66.8
67.00		0.3750	38.797	45.730	8,529.5	16.83	103.46	81.6	433.0	0.0	156.1	19.64	5,165	66.8
68.00		0.3750	38.578	45.469	8,384.2	16.73	102.87	81.7	428.1	0.0	155.2	19.64	5,115	66.8
69.00		0.3750	38.358	45.208	8,240.5	16.63	102.29	81.8	423.1	0.0	154.3	19.64	5,065	66.8
70.00		0.3750	38.139	44.947	8,098.5	16.52	101.70	82.0	418.2	0.0	153.4	19.64	5,015	66.8
71.00		0.3750	37.919	44.686	7,958.2	16.42	101.12	82.1	413.4	0.0	152.5	19.64	4,966	66.8
72.00		0.3750	37.700	44.424	7,819.4	16.32	100.53	82.2	408.5	0.0	151.6	19.64	4,917	66.8
73.00		0.3750	37.481	44.163	7,682.3	16.21	99.95	82.3	403.7	0.0	150.7	19.64	4,868	66.8
74.00		0.3750	37.261	43.902	7,546.8	16.11	99.36	82.5	398.9	0.0	149.8	19.64	4,820	66.8
75.00		0.3750	37.042	43.641	7,412.9	16.01	98.78	82.6	394.2	0.0	148.9	19.64	4,771	66.8
76.00		0.3750	36.822	43.380	7,280.6	15.90	98.19	82.6	389.4	0.0	148.1	19.64	4,723	66.8
77.00		0.3750	36.603	43.119	7,149.9	15.80	97.61	82.6	384.7	0.0	147.2	19.64	4,675	66.8
78.00		0.3750	36.383	42.857	7,020.8	15.70	97.02	82.6	380.1	0.0	146.3	19.64	4,628	66.8
79.00		0.3750	36.164	42.596	6,893.2	15.59	96.44	82.6	375.4	0.0	145.4	19.64	4,581	66.8
80.00		0.3750	35.944	42.335	6,767.2	15.49	95.85	82.6	370.8	0.0	144.5	19.64	4,533	66.8
81.00		0.3750	35.725	42.074	6,642.7	15.39	95.27	82.6	366.2	0.0	143.6	19.64	4,487	66.8
82.00		0.3750	35.506	41.813	6,519.7	15.28	94.68	82.6	361.7	0.0	142.7	19.64	4,440	66.8
83.00		0.3750	35.286	41.551	6,398.3	15.18	94.10	82.6	357.1	0.0	141.8	19.64	4,394	66.8
84.00		0.3750	35.067	41.290	6,278.4	15.08	93.51	82.6	352.6	0.0	140.9	19.64	4,348	66.8
85.00		0.3750	34.847	41.029	6,160.0	14.97	92.93	82.6	348.2	0.0	140.1	19.64	4,302	66.8
86.00		0.3750	34.628	40.768	6,043.1	14.87	92.34	82.6	343.7	0.0	139.2	19.64	4,256	66.8
87.00		0.3750	34.408	40.507	5,927.7	14.77	91.76	82.6	339.3	0.0	138.3	19.64	4,211	66.8
87.54	Bot - Section 3	0.3750	34.290	40.366	5,866.0	14.71	91.44	82.6	336.9	0.0	74.3	19.64	4,186	36.1
88.00		0.3750	34.189	40.246	5,813.8	14.67	91.17	82.6	334.9	0.0	116.8	19.64	4,295	30.7
89.00		0.3750	33.969	39.984	5,701.4	14.56	90.59	82.6	330.6	0.0	252.6	19.64	4,249	66.8
90.00		0.3750	33.750	39.723	5,590.4	14.46	90.00	82.6	326.2	0.0	250.9	19.64	4,204	66.8
91.00		0.3750	33.531	39.462	5,480.8	14.36	89.41	82.6	321.9	0.0	249.3	19.64	4,159	66.8
92.00		0.3750	33.311	39.201	5,372.7	14.25	88.83	82.6	317.7	0.0	247.7	19.64	4,114	66.8
92.46	Top - Section 2	0.3125	33.836	33.250	4,721.1	17.68	108.27	80.6	274.8	0.0	112.5	19.64	4,093	30.5
93.00		0.3125	33.717	33.132	4,670.9	17.61	107.89	80.7	272.9	0.0	61.4	19.64	4,069	36.3
94.00		0.3125	33.497	32.914	4,579.4	17.49	107.19	80.8	269.3	0.0	112.4	19.64	4,025	66.8
95.00		0.3125	33.278	32.696	4,489.2	17.37	106.49	81.0	265.7	0.0	111.6	19.64	3,981	66.8
96.00		0.3125	33.058	32.479	4,400.1	17.24	105.79	81.1	262.2	0.0	110.9	19.64	3,937	66.8
97.00		0.3125	32.839	32.261	4,312.2	17.12	105.08	81.3	258.6	0.0	110.1	19.64	3,893	66.8
98.00		0.3125	32.619	32.043	4,225.5	16.99	104.38	81.4	255.1	0.0	109.4	19.64	3,850	66.8
99.00		0.3125	32.400	31.826	4,140.0	16.87	103.68	81.6	251.7	0.0	108.7	19.64	3,806	66.8
100.0		0.3125	32.181	31.608	4,055.7	16.75	102.98	81.7	248.2	0.0	107.9	19.64	3,764	66.8
101.0		0.3125	31.961	31.390	3,972.4	16.62	102.28	81.8	244.8	0.0	107.2	19.64	3,721	66.8
102.0		0.3125	31.742	31.173	3,890.4	16.50	101.57	82.0	241.4	0.0	106.4	19.64	3,678	66.8
103.0		0.3125	31.522	30.955	3,809.5	16.38	100.87	82.1	238.0	0.0	105.7	19.64	3,636	66.8
104.0		0.3125	31.303	30.737	3,729.7	16.25	100.17	82.3	234.7	0.0	105.0	19.64	3,594	66.8
104.5	Reinf. Top	0.3125	31.193	30.629	3,690.2	16.19	99.82	82.4	233.0	0.0	52.2	19.64	3,573	33.4
105.0		0.3125	31.083	30.520	3,651.0	16.13	99.47	82.4	231.3	0.0	52.0			
106.0		0.3125	30.864	30.302	3,573.4	16.00	98.76	82.6	228.0	0.0	103.5			
107.0		0.3125	30.644	30.084	3,497.0	15.88	98.06	82.6	224.8	0.0	102.7			
108.0		0.3125	30.425	29.867	3,421.6	15.76	97.36	82.6	221.5	0.0	102.0			
109.0		0.3125	30.206	29.649	3,347.4	15.63	96.66	82.6	218.3	0.0	101.3			
110.0		0.3125	29.986	29.431	3,274.2	15.51	95.96	82.6	215.1	0.0	100.5			
111.0		0.3125	29.767	29.214	3,202.1	15.39	95.25	82.6	211.9	0.0	99.8			
112.0		0.3125	29.547	28.996	3,131.1	15.26	94.55	82.6	208.7	0.0	99.0			
113.0		0.3125	29.328	28.778	3,061.1	15.14	93.85	82.6	205.6	0.0	98.3			
114.0		0.3125	29.108	28.561	2,992.2	15.01	93.15	82.6	202.5	0.0	97.6			
115.0		0.3125	28.889	28.343	2,924.3	14.89	92.44	82.6	199.4	0.0	96.8			
116.0		0.3125	28.669	28.126	2,857.4	14.77	91.74	82.6	196.3	0.0	96.1			

117.0		0.3125	28.450	27.908	2,791.6	14.64	91.04	82.6	193.3	0.0	95.3
118.0		0.3125	28.231	27.690	2,726.8	14.52	90.34	82.6	190.2	0.0	94.6
119.0		0.3125	28.011	27.473	2,663.0	14.39	89.64	82.6	187.2	0.0	93.9
120.0		0.3125	27.792	27.255	2,600.2	14.27	88.93	82.6	184.3	0.0	93.1
121.0		0.3125	27.572	27.037	2,538.4	14.15	88.23	82.6	181.3	0.0	92.4
122.0		0.3125	27.353	26.820	2,477.6	14.02	87.53	82.6	178.4	0.0	91.6
123.0		0.3125	27.133	26.602	2,417.7	13.90	86.83	82.6	175.5	0.0	90.9
124.0		0.3125	26.914	26.384	2,358.9	13.78	86.12	82.6	172.6	0.0	90.2
125.0		0.3125	26.694	26.167	2,301.0	13.65	85.42	82.6	169.8	0.0	89.4
126.0		0.3125	26.475	25.949	2,244.0	13.53	84.72	82.6	166.9	0.0	88.7
127.0		0.3125	26.256	25.731	2,188.1	13.40	84.02	82.6	164.1	0.0	87.9
128.0		0.3125	26.036	25.514	2,133.0	13.28	83.32	82.6	161.4	0.0	87.2
129.0		0.3125	25.817	25.296	2,078.9	13.16	82.61	82.6	158.6	0.0	86.4
130.0		0.3125	25.597	25.078	2,025.7	13.03	81.91	82.6	155.9	0.0	85.7
131.0		0.3125	25.378	24.861	1,973.4	12.91	81.21	82.6	153.2	0.0	85.0
132.0		0.3125	25.158	24.643	1,922.0	12.78	80.51	82.6	150.5	0.0	84.2
132.1	Bot - Section 4	0.3125	25.132	24.617	1,915.9	12.77	80.42	82.6	150.2	0.0	10.0
133.0		0.3125	24.939	24.425	1,871.5	12.66	79.80	82.6	147.8	0.0	118.4
134.0		0.3125	24.719	24.208	1,821.9	12.54	79.10	82.6	145.2	0.0	133.4
135.0		0.3125	24.500	23.990	1,773.2	12.41	78.40	82.6	142.6	0.0	132.2
135.8	Top - Section 3	0.1875	24.684	14.578	1,105.3	21.80	131.65	75.8	88.2	0.0	114.0
136.0		0.1875	24.656	14.561	1,101.4	21.78	131.50	75.8	88.0	0.0	6.5
137.0		0.1875	24.436	14.430	1,072.0	21.57	130.33	76.0	86.4	0.0	49.3
138.0		0.1875	24.217	14.300	1,043.2	21.36	129.16	76.3	84.8	0.0	48.9
139.0		0.1875	23.997	14.169	1,014.9	21.16	127.99	76.5	83.3	0.0	48.4
140.0		0.1875	23.778	14.039	987.1	20.95	126.81	76.8	81.8	0.0	48.0
141.0		0.1875	23.558	13.908	959.8	20.74	125.64	77.0	80.2	0.0	47.5
142.0		0.1875	23.339	13.777	933.0	20.54	124.47	77.2	78.7	0.0	47.1
143.0		0.1875	23.119	13.647	906.7	20.33	123.30	77.5	77.2	0.0	46.7
144.0		0.1875	22.900	13.516	880.9	20.12	122.13	77.7	75.8	0.0	46.2
145.0		0.1875	22.681	13.386	855.6	19.92	120.96	78.0	74.3	0.0	45.8
146.0		0.1875	22.461	13.255	830.8	19.71	119.79	78.2	72.9	0.0	45.3
147.0		0.1875	22.242	13.125	806.5	19.51	118.62	78.5	71.4	0.0	44.9
148.0		0.1875	22.022	12.994	782.7	19.30	117.45	78.7	70.0	0.0	44.4
149.0		0.1875	21.803	12.863	759.3	19.09	116.28	78.9	68.6	0.0	44.0
150.0		0.1875	21.583	12.733	736.4	18.89	115.11	79.2	67.2	0.0	43.5
151.0		0.1875	21.364	12.602	714.0	18.68	113.94	79.4	65.8	0.0	43.1
152.0		0.1875	21.144	12.472	692.0	18.47	112.77	79.7	64.5	0.0	42.7
153.0		0.1875	20.925	12.341	670.5	18.27	111.60	79.9	63.1	0.0	42.2
154.0		0.1875	20.706	12.210	649.5	18.06	110.43	80.2	61.8	0.0	41.8
155.0		0.1875	20.486	12.080	628.8	17.85	109.26	80.4	60.5	0.0	41.3
156.0		0.1875	20.267	11.949	608.7	17.65	108.09	80.6	59.2	0.0	40.9
157.0		0.1875	20.047	11.819	588.9	17.44	106.92	80.9	57.9	0.0	40.4
158.0		0.1875	19.828	11.688	569.6	17.24	105.75	81.1	56.6	0.0	40.0
159.0		0.1875	19.608	11.557	550.7	17.03	104.58	81.4	55.3	0.0	39.5
160.0		0.1875	19.389	11.427	532.3	16.82	103.41	81.6	54.1	0.0	39.1
161.0		0.1875	19.169	11.296	514.2	16.62	102.24	81.9	52.8	0.0	38.7
162.0		0.1875	18.950	11.166	496.6	16.41	101.07	82.1	51.6	0.0	38.2
163.0		0.1875	18.731	11.035	479.4	16.20	99.90	82.3	50.4	0.0	37.8
164.0		0.1875	18.511	10.904	462.6	16.00	98.73	82.6	49.2	0.0	37.3
165.0		0.1875	18.292	10.774	446.2	15.79	97.56	82.6	48.0	0.0	36.9
166.0		0.1875	18.072	10.643	430.1	15.58	96.39	82.6	46.9	0.0	36.4
167.0		0.1875	17.853	10.513	414.5	15.38	95.21	82.6	45.7	0.0	36.0
168.0		0.1875	17.633	10.382	399.2	15.17	94.04	82.6	44.6	0.0	35.6
169.0		0.1875	17.414	10.251	384.4	14.97	92.87	82.6	43.5	0.0	35.1
170.0		0.1875	17.194	10.121	369.8	14.76	91.70	82.6	42.4	0.0	34.7
171.0		0.1875	16.975	9.990	355.7	14.55	90.53	82.6	41.3	0.0	34.2
172.0		0.1875	16.756	9.860	341.9	14.35	89.36	82.6	40.2	0.0	33.8
173.0		0.1875	16.536	9.729	328.5	14.14	88.19	82.6	39.1	0.0	33.3
174.0		0.1875	16.317	9.599	315.5	13.93	87.02	82.6	38.1	0.0	32.9
175.0		0.1875	16.097	9.468	302.8	13.73	85.85	82.6	37.0	0.0	32.4
176.0		0.1875	15.878	9.337	290.4	13.52	84.68	82.6	36.0	0.0	32.0
177.0		0.1875	15.658	9.207	278.4	13.31	83.51	82.6	35.0	0.0	31.6
178.0		0.1875	15.439	9.076	266.7	13.11	82.34	82.6	34.0	0.0	31.1

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:02 PM

Customer: AT&T Mobility

179.0	0.1875	15.219	8.946	255.4	12.90	81.17	82.6	33.1	0.0	30.7	
180.0	0.1875	15.000	8.815	244.4	12.70	80.00	82.6	32.1	0.0	30.2	
										25,271.1	6,980.6

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:02 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.6W

93 mph with No Ice

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.20

Wind Load Factor : 1.60

Shaft Segment Forces (Factored)

Seg Top								Ice		Wind		Dead		Tot Dead
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Force X (lb)	Load Ice (lb)	Load (lb)
0.00		1.00	0.70	16.933	18.62	372.45	0.650	0.000	0.00	0.000	0.00	51.1	0.0	0.0
1.00		1.00	0.70	16.933	18.62	371.67	0.771	* 0.000	1.00	4.454	3.43	102.2	0.0	296.0
2.00		1.00	0.70	16.933	18.62	370.12	0.772	* 0.000	1.00	4.436	3.42	101.9	0.0	294.7
3.00		1.00	0.70	16.933	18.62	368.57	0.773	* 0.000	1.00	4.417	3.42	101.7	0.0	293.5
4.00		1.00	0.70	16.933	18.62	367.02	0.775	* 0.000	1.00	4.399	3.41	101.4	0.0	292.3
5.00		1.00	0.70	16.933	18.62	365.48	0.776	* 0.000	1.00	4.380	3.40	101.2	0.0	291.0
6.00		1.00	0.70	16.933	18.62	363.93	0.777	* 0.000	1.00	4.362	3.39	100.9	0.0	289.8
7.00		1.00	0.70	16.933	18.62	362.38	0.779	* 0.000	1.00	4.343	3.38	100.7	0.0	288.5
8.00		1.00	0.70	16.933	18.62	360.83	0.780	* 0.000	1.00	4.324	3.37	100.4	0.0	287.3
9.00		1.00	0.70	16.933	18.62	359.28	0.781	* 0.000	1.00	4.306	3.36	100.1	0.0	286.0
10.00		1.00	0.70	16.933	18.62	357.73	0.783	* 0.000	1.00	4.287	3.36	99.9	0.0	284.8
11.00		1.00	0.70	16.933	18.62	356.18	0.784	* 0.000	1.00	4.269	3.35	99.6	0.0	283.5
12.00		1.00	0.70	16.933	18.62	354.63	0.786	* 0.000	1.00	4.250	3.34	99.4	0.0	282.3
13.00		1.00	0.70	16.933	18.62	353.08	0.787	* 0.000	1.00	4.232	3.33	99.1	0.0	281.1
14.00		1.00	0.70	16.933	18.62	351.53	0.789	* 0.000	1.00	4.213	3.32	98.9	0.0	279.8
15.00		1.00	0.70	16.933	18.62	349.98	0.790	* 0.000	1.00	4.194	3.31	98.6	0.0	278.6
16.00		1.00	0.70	16.933	18.62	348.43	0.792	* 0.000	1.00	4.176	3.31	98.4	0.0	277.3
17.00		1.00	0.70	16.933	18.62	346.88	0.793	* 0.000	1.00	4.157	3.30	98.1	0.0	276.1
18.00		1.00	0.70	16.933	18.62	345.33	0.795	* 0.000	1.00	4.139	3.29	97.9	0.0	274.8
19.00		1.00	0.70	16.933	18.62	343.78	0.796	* 0.000	1.00	4.120	3.28	97.6	0.0	273.6
20.00		1.00	0.70	16.933	18.62	342.23	0.798	* 0.000	1.00	4.102	3.27	97.4	0.0	272.3
21.00		1.00	0.70	16.933	18.62	340.68	0.799	* 0.000	1.00	4.083	3.26	97.1	0.0	271.1
22.00		1.00	0.70	16.933	18.62	339.13	0.801	* 0.000	1.00	4.064	3.25	96.9	0.0	269.9
23.00		1.00	0.70	16.933	18.62	337.59	0.802	* 0.000	1.00	4.046	3.25	96.6	0.0	268.6
24.00		1.00	0.70	16.933	18.62	336.04	0.804	* 0.000	1.00	4.027	3.24	96.4	0.0	267.4
25.00		1.00	0.70	16.933	18.62	334.49	0.806	* 0.000	1.00	4.009	3.23	96.1	0.0	266.1
26.00		1.00	0.70	16.933	18.62	332.94	0.807	* 0.000	1.00	3.990	3.22	95.9	0.0	264.9
27.00		1.00	0.70	16.933	18.62	331.39	0.809	* 0.000	1.00	3.972	3.21	95.6	0.0	263.6
28.00		1.00	0.70	16.933	18.62	329.84	0.811	* 0.000	1.00	3.953	3.20	95.4	0.0	262.4
29.00		1.00	0.70	16.933	18.62	328.29	0.812	* 0.000	1.00	3.934	3.20	95.1	0.0	261.2
30.00	Appertunance(s)	1.00	0.70	16.933	18.62	326.74	0.814	* 0.000	1.00	3.916	3.19	95.1	0.0	259.9
31.00		1.00	0.70	17.027	18.73	326.10	0.816	* 0.000	1.00	3.897	3.18	95.6	0.0	258.7
32.00		1.00	0.71	17.185	18.90	326.04	0.817	* 0.000	1.00	3.879	3.17	96.2	0.0	257.4
33.00		1.00	0.71	17.339	19.07	325.93	0.819	* 0.000	1.00	3.860	3.16	96.8	0.0	256.2
34.00		1.00	0.72	17.490	19.23	325.77	0.821	* 0.000	1.00	3.842	3.15	97.4	0.0	254.9
35.00		1.00	0.72	17.637	19.40	325.56	0.823	* 0.000	1.00	3.823	3.15	97.9	0.0	253.7
36.00		1.00	0.73	17.782	19.56	325.31	0.824	* 0.000	1.00	3.804	3.14	98.4	0.0	252.4
37.00		1.00	0.74	17.924	19.71	325.01	0.826	* 0.000	1.00	3.786	3.13	98.9	0.0	251.2
38.00		1.00	0.74	18.063	19.86	324.66	0.828	* 0.000	1.00	3.767	3.12	99.4	0.0	250.0
39.00		1.00	0.75	18.199	20.01	324.28	0.830	* 0.000	1.00	3.749	3.11	99.9	0.0	248.7
40.00		1.00	0.75	18.333	20.16	323.86	0.832	* 0.000	1.00	3.730	3.10	100.3	0.0	247.5
41.00		1.00	0.76	18.464	20.31	323.40	0.834	* 0.000	1.00	3.712	3.09	100.8	0.0	246.2
42.00		1.00	0.76	18.593	20.45	322.90	0.836	* 0.000	1.00	3.693	3.09	99.0	0.0	245.0
42.96	Bot - Section 2	1.00	0.77	18.718	20.58	322.39	0.837	* 0.000	0.96	3.515	2.94	50.7	0.0	233.2
43.00		1.00	0.77	18.780	20.65	322.11	0.838	* 0.000	0.04	0.162	0.14	54.0	0.0	19.8
44.00		1.00	0.77	18.845	20.73	321.81	0.839	* 0.000	1.00	3.719	3.12	103.8	0.0	454.3
45.00		1.00	0.78	18.968	20.86	321.22	0.841	* 0.000	1.00	3.701	3.11	104.1	0.0	452.0
46.00		1.00	0.78	19.089	20.99	320.60	0.843	* 0.000	1.00	3.682	3.11	126.5	0.0	449.7
47.00		1.00	0.79	19.208	21.12	319.94	1.200	* 0.000	1.00	3.664	4.40	148.7	0.0	447.4
48.00		1.00	0.79	19.325	21.25	319.26	1.200	* 0.000	1.00	3.645	4.37	148.8	0.0	445.0
49.00		1.00	0.80	19.440	21.38	318.55	1.200	* 0.000	1.00	3.627	4.35	77.4	0.0	442.7

Load Case: 1.2D + 1.6W	93 mph with No Ice	35 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.15
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

49.04	Top - Section 1	1.00	0.80	19.499	21.44	318.17	1.200	*	0.000	0.04	0.144	0.17	53.3	0.0	17.6
50.00		1.00	0.80	19.556	21.51	323.49	0.845	*	0.000	0.96	3.464	2.93	124.9	0.0	197.2
51.00		1.00	0.81	19.666	21.63	322.76	1.200	*	0.000	1.00	3.589	4.31	149.1	0.0	204.3
52.00		1.00	0.81	19.776	21.75	322.00	1.200	*	0.000	1.00	3.571	4.28	149.2	0.0	203.3
53.00		1.00	0.82	19.885	21.87	321.20	1.200	*	0.000	1.00	3.552	4.26	149.2	0.0	202.2
54.00		1.00	0.82	19.993	21.99	320.39	1.200	*	0.000	1.00	3.534	4.24	149.2	0.0	201.1
55.00		1.00	0.83	20.099	22.10	319.55	1.200	*	0.000	1.00	3.515	4.22	149.2	0.0	200.1
56.00		1.00	0.83	20.204	22.22	318.69	1.200	*	0.000	1.00	3.497	4.20	149.2	0.0	199.0
57.00		1.00	0.83	20.307	22.33	317.80	1.200	*	0.000	1.00	3.478	4.17	149.1	0.0	197.9
58.00		1.00	0.84	20.409	22.45	316.90	1.200	*	0.000	1.00	3.459	4.15	149.1	0.0	196.9
59.00		1.00	0.84	20.510	22.56	315.98	1.200	*	0.000	1.00	3.441	4.13	149.0	0.0	195.8
60.00		1.00	0.85	20.609	22.67	315.03	1.200	*	0.000	1.00	3.422	4.11	148.9	0.0	194.7
61.00		1.00	0.85	20.708	22.77	314.07	1.200	*	0.000	1.00	3.404	4.08	148.8	0.0	193.7
62.00		1.00	0.86	20.805	22.88	313.09	1.200	*	0.000	1.00	3.385	4.06	148.7	0.0	192.6
63.00		1.00	0.86	20.901	22.99	312.09	1.200	*	0.000	1.00	3.367	4.04	148.5	0.0	191.5
64.00		1.00	0.86	20.996	23.09	311.07	1.200	*	0.000	1.00	3.348	4.02	148.4	0.0	190.5
65.00		1.00	0.87	21.090	23.19	310.04	1.200	*	0.000	1.00	3.329	4.00	148.2	0.0	189.4
66.00		1.00	0.87	21.183	23.30	308.99	1.200	*	0.000	1.00	3.311	3.97	148.0	0.0	188.3
67.00		1.00	0.88	21.275	23.40	307.92	1.200	*	0.000	1.00	3.292	3.95	147.8	0.0	187.3
68.00		1.00	0.88	21.366	23.50	306.84	1.200	*	0.000	1.00	3.274	3.93	147.6	0.0	186.2
69.00		1.00	0.88	21.456	23.60	305.74	1.200	*	0.000	1.00	3.255	3.91	147.4	0.0	185.1
70.00		1.00	0.89	21.545	23.69	304.62	1.200	*	0.000	1.00	3.237	3.88	147.1	0.0	184.1
71.00		1.00	0.89	21.633	23.79	303.50	1.200	*	0.000	1.00	3.218	3.86	146.9	0.0	183.0
72.00		1.00	0.89	21.720	23.89	302.35	1.200	*	0.000	1.00	3.199	3.84	146.6	0.0	181.9
73.00		1.00	0.90	21.806	23.98	301.19	1.200	*	0.000	1.00	3.181	3.82	146.4	0.0	180.9
74.00		1.00	0.90	21.892	24.08	300.02	1.200	*	0.000	1.00	3.162	3.79	146.1	0.0	179.8
75.00		1.00	0.90	21.977	24.17	298.84	1.200	*	0.000	1.00	3.144	3.77	145.8	0.0	178.7
76.00		1.00	0.91	22.060	24.26	297.64	1.200	*	0.000	1.00	3.125	3.75	145.4	0.0	177.7
77.00		1.00	0.91	22.143	24.35	296.43	1.200	*	0.000	1.00	3.107	3.73	145.1	0.0	176.6
78.00		1.00	0.91	22.226	24.44	295.20	1.200	*	0.000	1.00	3.088	3.71	144.8	0.0	175.5
79.00	Appertunance(s)	1.00	0.92	22.307	24.53	293.96	1.200	*	0.000	1.00	3.069	3.68	144.4	0.0	174.5
80.00	Appertunance(s)	1.00	0.92	22.388	24.62	292.71	1.200	*	0.000	1.00	3.051	3.66	144.1	0.0	173.4
81.00		1.00	0.92	22.468	24.71	291.45	1.200	*	0.000	1.00	3.032	3.64	143.7	0.0	172.3
82.00		1.00	0.93	22.548	24.80	290.18	1.200	*	0.000	1.00	3.014	3.62	143.3	0.0	171.3
83.00		1.00	0.93	22.626	24.88	288.89	1.200	*	0.000	1.00	2.995	3.59	142.9	0.0	170.2
84.00		1.00	0.93	22.704	24.97	287.60	1.200	*	0.000	1.00	2.977	3.57	142.5	0.0	169.1
85.00		1.00	0.94	22.782	25.06	286.29	1.200	*	0.000	1.00	2.958	3.55	142.1	0.0	168.1
86.00		1.00	0.94	22.858	25.14	284.97	1.200	*	0.000	1.00	2.939	3.53	141.7	0.0	167.0
87.00		1.00	0.94	22.935	25.22	283.64	1.200	*	0.000	1.00	2.921	3.51	108.8	0.0	165.9
87.54	Bot - Section 3	1.00	0.95	22.993	25.29	282.61	1.200	*	0.000	0.54	1.569	1.88	71.1	0.0	89.1
88.00		1.00	0.95	23.030	25.33	281.94	1.200	*	0.000	0.46	1.357	1.63	104.6	0.0	140.1
89.00		1.00	0.95	23.085	25.39	280.95	1.200	*	0.000	1.00	2.937	3.52	143.0	0.0	303.1
90.00		1.00	0.95	23.159	25.47	279.59	1.200	*	0.000	1.00	2.918	3.50	142.5	0.0	301.1
91.00		1.00	0.96	23.233	25.55	278.22	1.200	*	0.000	1.00	2.899	3.48	142.0	0.0	299.2
92.00		1.00	0.96	23.306	25.63	276.84	1.200	*	0.000	1.00	2.881	3.46	103.2	0.0	297.2
92.46	Top - Section 2	1.00	0.96	23.359	25.69	275.83	1.200	*	0.000	0.46	1.309	1.57	70.7	0.0	135.1
93.00		1.00	0.96	23.395	25.73	280.32	1.200	*	0.000	0.54	1.553	1.86	108.8	0.0	73.7
94.00		1.00	0.96	23.450	25.79	279.24	1.200	*	0.000	1.00	2.844	3.41	140.6	0.0	134.8
95.00		1.00	0.97	23.522	25.87	277.84	1.200	*	0.000	1.00	2.825	3.39	140.1	0.0	134.0
96.00	Appertunance(s)	1.00	0.97	23.592	25.95	276.43	1.200	*	0.000	1.00	2.807	3.37	139.6	0.0	133.1
97.00		1.00	0.97	23.663	26.02	275.01	1.200	*	0.000	1.00	2.788	3.35	139.1	0.0	132.2
98.00		1.00	0.98	23.733	26.10	273.58	1.200	*	0.000	1.00	2.770	3.32	138.6	0.0	131.3
99.00		1.00	0.98	23.802	26.18	272.14	1.200	*	0.000	1.00	2.751	3.30	138.0	0.0	130.4
100.0		1.00	0.98	23.871	26.25	270.70	1.200	*	0.000	1.00	2.732	3.28	137.5	0.0	129.5
101.0		1.00	0.99	23.939	26.33	269.24	1.200	*	0.000	1.00	2.714	3.26	136.9	0.0	128.6
102.0		1.00	0.99	24.007	26.40	267.78	1.200	*	0.000	1.00	2.695	3.23	136.4	0.0	127.7
103.0		1.00	0.99	24.074	26.48	266.30	1.200	*	0.000	1.00	2.677	3.21	135.8	0.0	126.8

Load Case: 1.2D + 1.6W	93 mph with No Ice	35 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.15
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

104.0		1.00	0.99	24.141	26.55	264.82	1.200	*	0.000	1.00	2.658	3.19	101.5	0.0	126.0
104.5	Reinf. Top	1.00	1.00	24.191	26.61	263.71	1.200	*	0.000	0.50	1.322	1.59	67.5	0.0	62.6
105.0		1.00	1.00	24.224	26.64	262.96	1.200	*	0.000	0.50	1.317	1.58	100.9	0.0	62.4
106.0		1.00	1.00	24.273	26.70	261.84	1.200	*	0.000	1.00	2.621	3.15	134.1	0.0	124.2
107.0		1.00	1.00	24.339	26.77	260.33	1.200	*	0.000	1.00	2.602	3.12	133.5	0.0	123.3
108.0		1.00	1.00	24.404	26.84	258.82	1.200	*	0.000	1.00	2.584	3.10	132.9	0.0	122.4
109.0		1.00	1.01	24.469	26.91	257.30	1.200	*	0.000	1.00	2.565	3.08	132.3	0.0	121.5
110.0		1.00	1.01	24.533	26.98	255.77	1.200	*	0.000	1.00	2.547	3.06	131.6	0.0	120.6
111.0	Appertunance(s)	1.00	1.01	24.597	27.05	254.24	1.200	*	0.000	1.00	2.528	3.03	131.0	0.0	119.7
112.0		1.00	1.01	24.660	27.12	252.70	1.200	*	0.000	1.00	2.510	3.01	130.4	0.0	118.8
113.0	Appertunance(s)	1.00	1.02	24.723	27.19	251.15	1.200	*	0.000	1.00	2.491	2.99	129.7	0.0	118.0
114.0		1.00	1.02	24.786	27.26	249.59	1.200	*	0.000	1.00	2.472	2.97	129.1	0.0	117.1
115.0		1.00	1.02	24.848	27.33	248.03	1.200	*	0.000	1.00	2.454	2.94	128.4	0.0	116.2
116.0		1.00	1.03	24.910	27.40	246.46	1.200	*	0.000	1.00	2.435	2.92	127.8	0.0	115.3
117.0		1.00	1.03	24.971	27.46	244.88	1.200	*	0.000	1.00	2.417	2.90	127.1	0.0	114.4
118.0		1.00	1.03	25.032	27.53	243.29	1.200	*	0.000	1.00	2.398	2.88	126.4	0.0	113.5
119.0		1.00	1.03	25.093	27.60	241.70	1.200	*	0.000	1.00	2.380	2.86	125.8	0.0	112.6
120.0		1.00	1.04	25.153	27.66	240.10	1.200	*	0.000	1.00	2.361	2.83	125.1	0.0	111.7
121.0		1.00	1.04	25.213	27.73	238.50	1.200	*	0.000	1.00	2.342	2.81	124.4	0.0	110.8
122.0	Appertunance(s)	1.00	1.04	25.273	27.80	236.89	1.200	*	0.000	1.00	2.324	2.79	99.7	0.0	110.0
123.0		1.00	1.04	25.332	27.86	235.27	0.734	*	0.000	1.00	2.305	1.69	75.4	0.0	109.1
124.0		1.00	1.05	25.391	27.93	233.65	0.736	*	0.000	1.00	2.287	1.68	75.1	0.0	108.2
125.0		1.00	1.05	25.449	27.99	232.02	0.739	*	0.000	1.00	2.268	1.68	74.9	0.0	107.3
126.0		1.00	1.05	25.508	28.05	230.38	0.741	*	0.000	1.00	2.250	1.67	74.7	0.0	106.4
127.0		1.00	1.05	25.566	28.12	228.74	0.743	*	0.000	1.00	2.231	1.66	74.5	0.0	105.5
128.0		1.00	1.05	25.623	28.18	227.09	0.746	*	0.000	1.00	2.212	1.65	74.3	0.0	104.6
129.0		1.00	1.06	25.680	28.24	225.43	0.748	*	0.000	1.00	2.194	1.64	74.1	0.0	103.7
130.0		1.00	1.06	25.737	28.31	223.77	0.751	*	0.000	1.00	2.175	1.63	73.9	0.0	102.8
131.0		1.00	1.06	25.794	28.37	222.11	0.753	*	0.000	1.00	2.157	1.62	73.7	0.0	102.0
132.0		1.00	1.06	25.850	28.43	220.44	0.756	*	0.000	1.00	2.138	1.62	41.2	0.0	101.1
132.1	Bot - Section 4	1.00	1.07	25.882	28.47	219.50	0.757	*	0.000	0.12	0.255	0.19	37.1	0.0	12.0
133.0		1.00	1.07	25.910	28.50	218.66	0.759	*	0.000	0.88	1.893	1.44	69.8	0.0	142.1
134.0		1.00	1.07	25.962	28.55	217.07	0.761	*	0.000	1.00	2.133	1.62	74.1	0.0	160.1
135.0		1.00	1.07	26.017	28.61	215.38	0.764	*	0.000	1.00	2.114	1.62	69.1	0.0	158.7
135.8	Top - Section 3	1.00	1.07	26.069	28.67	213.80	0.767	*	0.000	0.87	1.824	1.40	36.8	0.0	136.8
136.0		1.00	1.07	26.096	28.70	216.24	0.763	*	0.000	0.13	0.272	0.21	41.3	0.0	7.7
137.0	Appertunance(s)	1.00	1.08	26.127	28.74	215.28	0.765	*	0.000	1.00	2.077	1.59	72.9	0.0	59.2
138.0		1.00	1.08	26.182	28.80	213.58	0.768	*	0.000	1.00	2.058	1.58	72.7	0.0	58.7
139.0		1.00	1.08	26.236	28.86	211.87	0.770	*	0.000	1.00	2.040	1.57	72.5	0.0	58.1
140.0	Appertunance(s)	1.00	1.08	26.290	28.91	210.16	0.773	*	0.000	1.00	2.021	1.56	72.2	0.0	57.6
141.0		1.00	1.08	26.344	28.97	208.44	0.776	*	0.000	1.00	2.003	1.55	72.0	0.0	57.1
142.0		1.00	1.09	26.397	29.03	206.72	0.779	*	0.000	1.00	1.984	1.55	71.7	0.0	56.5
143.0		1.00	1.09	26.450	29.09	204.99	0.782	*	0.000	1.00	1.966	1.54	71.5	0.0	56.0
144.0		1.00	1.09	26.503	29.15	203.25	0.785	*	0.000	1.00	1.947	1.53	71.2	0.0	55.5
145.0		1.00	1.09	26.556	29.21	201.51	0.789	*	0.000	1.00	1.928	1.52	71.0	0.0	54.9
146.0	Appertunance(s)	1.00	1.10	26.608	29.26	199.77	0.792	*	0.000	1.00	1.910	1.51	70.7	0.0	54.4
147.0		1.00	1.10	26.660	29.32	198.02	0.795	*	0.000	1.00	1.891	1.50	70.4	0.0	53.9
148.0		1.00	1.10	26.712	29.38	196.27	0.799	*	0.000	1.00	1.873	1.50	70.2	0.0	53.3
149.0		1.00	1.10	26.764	29.44	194.51	0.802	*	0.000	1.00	1.854	1.49	69.9	0.0	52.8
150.0		1.00	1.10	26.815	29.49	192.75	0.806	*	0.000	1.00	1.836	1.48	69.7	0.0	52.3
151.0		1.00	1.11	26.866	29.55	190.98	0.809	*	0.000	1.00	1.817	1.47	69.4	0.0	51.7
152.0	Appertunance(s)	1.00	1.11	26.917	29.60	189.21	0.813	*	0.000	1.00	1.799	1.46	69.1	0.0	51.2
153.0		1.00	1.11	26.968	29.66	187.43	0.817	*	0.000	1.00	1.780	1.45	68.8	0.0	50.7
154.0		1.00	1.11	27.018	29.72	185.65	0.820	*	0.000	1.00	1.761	1.44	68.6	0.0	50.1
155.0		1.00	1.11	27.069	29.77	183.86	0.824	*	0.000	1.00	1.743	1.44	68.3	0.0	49.6
156.0		1.00	1.12	27.119	29.83	182.07	0.828	*	0.000	1.00	1.724	1.43	68.0	0.0	49.1
157.0		1.00	1.12	27.168	29.88	180.27	0.832	*	0.000	1.00	1.706	1.42	67.7	0.0	48.5

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:03 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.6W	93 mph with No Ice										35 Iterations	
Gust Response Factor : 1.10											Wind Importance Factor : 1.15	
Dead Load Factor : 1.20												
Wind Load Factor : 1.60												

158.0		1.00	1.12	27.218	29.93	178.47	0.836	* 0.000	1.00	1.687	1.41	67.5	0.0	48.0		
159.0		1.00	1.12	27.267	29.99	176.67	0.841	* 0.000	1.00	1.669	1.40	67.2	0.0	47.5		
160.0		1.00	1.12	27.316	30.04	174.86	0.845	* 0.000	1.00	1.650	1.39	80.7	0.0	46.9		
161.0		1.00	1.13	27.365	30.10	173.04	1.200	* 0.000	1.00	1.631	1.96	93.8	0.0	46.4		
162.0		1.00	1.13	27.413	30.15	171.23	1.200	* 0.000	1.00	1.613	1.94	92.9	0.0	45.9		
163.0	Appertunance(s)	1.00	1.13	27.462	30.20	169.40	1.200	* 0.000	1.00	1.594	1.91	71.0	0.0	45.3		
164.0		1.00	1.13	27.510	30.26	167.58	0.650	0.000	1.00	1.576	1.02	49.3	0.0	44.8		
165.0		1.00	1.13	27.558	30.31	165.75	0.650	0.000	1.00	1.557	1.01	48.8	0.0	44.3		
166.0		1.00	1.14	27.606	30.36	163.91	0.650	0.000	1.00	1.539	1.00	48.3	0.0	43.7		
167.0		1.00	1.14	27.653	30.41	162.07	0.650	0.000	1.00	1.520	0.99	47.8	0.0	43.2		
168.0		1.00	1.14	27.701	30.47	160.23	0.650	0.000	1.00	1.501	0.98	47.3	0.0	42.7		
169.0		1.00	1.14	27.748	30.52	158.38	0.650	0.000	1.00	1.483	0.96	46.8	0.0	42.1		
170.0		1.00	1.14	27.795	30.57	156.53	0.650	0.000	1.00	1.464	0.95	46.3	0.0	41.6		
171.0		1.00	1.15	27.842	30.62	154.68	0.650	0.000	1.00	1.446	0.94	45.8	0.0	41.1		
172.0		1.00	1.15	27.888	30.67	152.82	0.650	0.000	1.00	1.427	0.93	45.3	0.0	40.5		
173.0		1.00	1.15	27.934	30.72	150.96	0.650	0.000	1.00	1.409	0.92	44.8	0.0	40.0		
174.0		1.00	1.15	27.981	30.77	149.09	0.650	0.000	1.00	1.390	0.90	44.2	0.0	39.5		
175.0		1.00	1.15	28.027	30.82	147.22	0.650	0.000	1.00	1.371	0.89	43.7	0.0	38.9		
176.0		1.00	1.16	28.072	30.88	145.34	0.650	0.000	1.00	1.353	0.88	43.2	0.0	38.4		
177.0		1.00	1.16	28.118	30.93	143.46	0.650	0.000	1.00	1.334	0.87	42.7	0.0	37.9		
178.0		1.00	1.16	28.163	30.98	141.58	0.650	0.000	1.00	1.316	0.86	42.1	0.0	37.3		
179.0		1.00	1.16	28.209	31.03	139.70	0.650	0.000	1.00	1.297	0.84	41.6	0.0	36.8		
180.0	Appertunance(s)	1.00	1.16	28.254	31.07	137.81	0.650	0.000	1.00	1.279	0.83	20.7	0.0	36.3		
* = Cf Adjusted By Linear Load Ra Effect									Totals:		180.00		19,020.0		0.0 30,325.3	

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:20 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.6W

93 mph with No Ice

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.20

Wind Load Factor : 1.60

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
		Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		51.1	0.0					0.0	0.0	51.1	0.0	0.0	0.0
1.00		102.2	296.0					0.0	209.8	102.2	505.8	0.0	0.0
2.00		101.9	294.7					0.0	209.8	101.9	504.5	0.0	0.0
3.00		101.7	293.5					0.0	209.8	101.7	503.3	0.0	0.0
4.00		101.4	292.3					0.0	209.8	101.4	502.0	0.0	0.0
5.00		101.2	291.0					0.0	209.8	101.2	500.8	0.0	0.0
6.00		100.9	289.8					0.0	209.8	100.9	499.6	0.0	0.0
7.00		100.7	288.5					0.0	209.8	100.7	498.3	0.0	0.0
8.00		100.4	287.3					0.0	209.8	100.4	497.1	0.0	0.0
9.00		100.1	286.0					0.0	209.8	100.1	495.8	0.0	0.0
10.00		99.9	284.8					0.0	209.8	99.9	494.6	0.0	0.0
11.00		99.6	283.5					0.0	209.8	99.6	493.3	0.0	0.0
12.00		99.4	282.3					0.0	209.8	99.4	492.1	0.0	0.0
13.00		99.1	281.1					0.0	209.8	99.1	490.8	0.0	0.0
14.00		98.9	279.8					0.0	209.8	98.9	489.6	0.0	0.0
15.00		98.6	278.6					0.0	209.8	98.6	488.4	0.0	0.0
16.00		98.4	277.3					0.0	209.8	98.4	487.1	0.0	0.0
17.00		98.1	276.1					0.0	209.8	98.1	485.9	0.0	0.0
18.00		97.9	274.8					0.0	209.8	97.9	484.6	0.0	0.0
19.00		97.6	273.6					0.0	209.8	97.6	483.4	0.0	0.0
20.00		97.4	272.3					0.0	209.8	97.4	482.1	0.0	0.0
21.00		97.1	271.1					0.0	209.8	97.1	480.9	0.0	0.0
22.00		96.9	269.9					0.0	209.8	96.9	479.6	0.0	0.0
23.00		96.6	268.6					0.0	209.8	96.6	478.4	0.0	0.0
24.00		96.4	267.4					0.0	209.8	96.4	477.2	0.0	0.0
25.00		96.1	266.1					0.0	209.8	96.1	475.9	0.0	0.0
26.00		95.9	264.9					0.0	209.8	95.9	474.7	0.0	0.0
27.00		95.6	263.6					0.0	209.8	95.6	473.4	0.0	0.0
28.00		95.4	262.4					0.0	209.8	95.4	472.2	0.0	0.0
29.00		95.1	261.2					0.0	209.8	95.1	470.9	0.0	0.0
30.00	Appertunance(s)	95.1	259.9	29.8	0.0	0.0	12.0	0.0	209.8	125.0	481.7	0.0	0.0
31.00		95.6	258.7					0.0	209.4	95.6	468.1	0.0	0.0
32.00		96.2	257.4					0.0	209.4	96.2	466.8	0.0	0.0
33.00		96.8	256.2					0.0	209.4	96.8	465.6	0.0	0.0
34.00		97.4	254.9					0.0	209.4	97.4	464.3	0.0	0.0
35.00		97.9	253.7					0.0	209.4	97.9	463.1	0.0	0.0
36.00		98.4	252.4					0.0	209.4	98.4	461.8	0.0	0.0
37.00		98.9	251.2					0.0	209.4	98.9	460.6	0.0	0.0
38.00		99.4	250.0					0.0	209.4	99.4	459.3	0.0	0.0
39.00		99.9	248.7					0.0	209.4	99.9	458.1	0.0	0.0
40.00		100.3	247.5					0.0	209.4	100.3	456.9	0.0	0.0
41.00		100.8	246.2					0.0	209.4	100.8	455.6	0.0	0.0
42.00		99.0	245.0					0.0	209.4	99.0	454.4	0.0	0.0
42.96	Bot - Section 2	50.7	233.2					0.0	200.3	50.7	433.5	0.0	0.0
43.00		54.0	19.8					0.0	9.1	54.0	28.9	0.0	0.0
44.00		103.8	454.3					0.0	209.4	103.8	663.7	0.0	0.0
45.00		104.1	452.0					0.0	209.4	104.1	661.4	0.0	0.0
46.00		126.5	449.7					0.0	209.4	126.5	659.1	0.0	0.0
47.00		148.7	447.4					28.1	209.4	176.8	656.7	0.0	0.0

Load Case: 1.2D + 1.6W	93 mph with No Ice						35 Iterations	
Gust Response Factor : 1.10							Wind Importance Factor : 1.15	
Dead Load Factor : 1.20								
Wind Load Factor : 1.60								

48.00		148.8	445.0				28.3	209.4	177.1	654.4	0.0	0.0	
49.00		77.4	442.7				28.4	209.4	105.8	652.1	0.0	0.0	
49.04	Top - Section 1	53.3	17.6				1.1	8.4	54.5	26.0	0.0	0.0	
50.00		124.9	197.2				0.0	201.0	124.9	398.2	0.0	0.0	
51.00		149.1	204.3				28.6	209.4	177.7	413.7	0.0	0.0	
52.00		149.2	203.3				28.7	209.4	177.9	412.7	0.0	0.0	
53.00		149.2	202.2				28.9	209.4	178.1	411.6	0.0	0.0	
54.00		149.2	201.1				29.0	209.4	178.2	410.5	0.0	0.0	
55.00		149.2	200.1				29.1	209.4	178.3	409.5	0.0	0.0	
56.00		149.2	199.0				29.2	209.4	178.4	408.4	0.0	0.0	
57.00		149.1	197.9				29.3	209.4	178.5	407.3	0.0	0.0	
58.00		149.1	196.9				29.4	209.4	178.5	406.3	0.0	0.0	
59.00		149.0	195.8				29.5	209.4	178.5	405.2	0.0	0.0	
60.00		148.9	194.7				29.6	209.4	178.5	404.1	0.0	0.0	
61.00		148.8	193.7				29.7	209.4	178.5	403.1	0.0	0.0	
62.00		148.7	192.6				29.8	209.4	178.5	402.0	0.0	0.0	
63.00		148.5	191.5				30.0	209.4	178.5	400.9	0.0	0.0	
64.00		148.4	190.5				30.1	209.4	178.4	399.9	0.0	0.0	
65.00		148.2	189.4				30.2	209.4	178.4	398.8	0.0	0.0	
66.00		148.0	188.3				30.3	209.4	178.3	397.7	0.0	0.0	
67.00		147.8	187.3				30.4	209.4	178.2	396.7	0.0	0.0	
68.00		147.6	186.2				30.4	209.4	178.1	395.6	0.0	0.0	
69.00		147.4	185.1				30.5	209.4	177.9	394.5	0.0	0.0	
70.00		147.1	184.1				30.6	209.4	177.8	393.5	0.0	0.0	
71.00		146.9	183.0				30.7	209.4	177.6	392.4	0.0	0.0	
72.00		146.6	181.9				30.8	209.4	177.5	391.3	0.0	0.0	
73.00		146.4	180.9				30.9	209.4	177.3	390.3	0.0	0.0	
74.00		146.1	179.8				31.0	209.4	177.1	389.2	0.0	0.0	
75.00		145.8	178.7				31.1	209.4	176.9	388.1	0.0	0.0	
76.00		145.4	177.7				31.2	209.4	176.6	387.1	0.0	0.0	
77.00		145.1	176.6				31.3	209.4	176.4	386.0	0.0	0.0	
78.00		144.8	175.5				31.4	209.4	176.1	384.9	0.0	0.0	
79.00	Appertunance(s)	144.4	174.5	3.5	0.0	0.0	0.7	31.4	209.4	179.4	384.6	0.0	0.0
80.00	Appertunance(s)	144.1	173.4	1,857.2	0.0	0.0	333.6	31.5	209.2	2,032.8	716.2	0.0	0.0
81.00		143.7	172.3					31.6	208.6	175.3	380.9	0.0	0.0
82.00		143.3	171.3					31.7	208.6	175.0	379.9	0.0	0.0
83.00		142.9	170.2					31.7	208.6	174.6	378.8	0.0	0.0
84.00		142.5	169.1					31.8	208.6	174.3	377.7	0.0	0.0
85.00		142.1	168.1					31.8	208.6	173.9	376.7	0.0	0.0
86.00		141.7	167.0					31.9	208.6	173.6	375.6	0.0	0.0
87.00		108.8	165.9					31.9	208.6	140.8	374.5	0.0	0.0
87.54	Bot - Section 3	71.1	89.1					17.3	112.6	88.4	201.8	0.0	0.0
88.00		104.6	140.1					14.7	96.0	119.3	236.1	0.0	0.0
89.00		143.0	303.1					32.0	208.6	175.0	511.7	0.0	0.0
90.00		142.5	301.1					32.1	208.6	174.6	509.7	0.0	0.0
91.00		142.0	299.2					32.1	208.6	174.2	507.8	0.0	0.0
92.00		103.2	297.2					32.2	208.6	135.4	505.8	0.0	0.0
92.46	Top - Section 2	70.7	135.1					14.7	95.2	85.4	230.3	0.0	0.0
93.00		108.8	73.7					17.5	113.4	126.3	187.0	0.0	0.0
94.00		140.6	134.8					32.3	208.6	172.9	343.4	0.0	0.0
95.00		140.1	134.0					32.3	208.6	172.4	342.6	0.0	0.0
96.00	Appertunance(s)	139.6	133.1	605.2	0.0	-121.6	583.9	32.4	208.6	777.2	925.6	0.0	0.0
97.00		139.1	132.2					32.4	207.6	171.5	339.8	0.0	0.0
98.00		138.6	131.3					32.5	207.6	171.0	338.9	0.0	0.0
99.00		138.0	130.4					32.5	207.6	170.5	338.0	0.0	0.0
100.00		137.5	129.5					32.6	207.6	170.0	337.1	0.0	0.0
101.00		136.9	128.6					32.6	207.6	169.5	336.2	0.0	0.0

Load Case: 1.2D + 1.6W	93 mph with No Ice						35 Iterations		
Gust Response Factor : 1.10							Wind Importance Factor : 1.15		
Dead Load Factor : 1.20									
Wind Load Factor : 1.60									

102.00		136.4	127.7				32.7	207.6	169.0	335.4	0.0	0.0	
103.00		135.8	126.8				32.7	207.6	168.5	334.5	0.0	0.0	
104.00		101.5	126.0				32.8	207.6	134.3	333.6	0.0	0.0	
104.50	Reinf. Top	67.5	62.6				16.4	103.8	83.9	166.5	0.0	0.0	
105.00		100.9	62.4				16.4	63.7	117.3	126.2	0.0	0.0	
106.00		134.1	124.2				32.8	127.5	166.9	251.6	0.0	0.0	
107.00		133.5	123.3				32.9	127.5	166.4	250.8	0.0	0.0	
108.00		132.9	122.4				32.9	127.5	165.8	249.9	0.0	0.0	
109.00		132.3	121.5				33.0	127.5	165.2	249.0	0.0	0.0	
110.00		131.6	120.6				33.0	127.5	164.7	248.1	0.0	0.0	
111.00	Appertunance(s)	131.0	119.7	456.3	0.0	0.0	95.0	33.1	127.5	620.4	342.2	0.0	0.0
112.00		130.4	118.8					33.1	121.6	163.5	240.4	0.0	0.0
113.00	Appertunance(s)	129.7	118.0	2,062.7	0.0	0.0	2,001.6	41.4	95.8	2,233.9	2,215.3	0.0	0.0
114.00		129.1	117.1					33.2	60.9	162.3	178.0	0.0	0.0
115.00		128.4	116.2					33.2	60.9	161.7	177.1	0.0	0.0
116.00		127.8	115.3					33.3	60.9	161.1	176.2	0.0	0.0
117.00		127.1	114.4					33.3	60.9	160.4	175.3	0.0	0.0
118.00		126.4	113.5					33.4	60.9	159.8	174.4	0.0	0.0
119.00		125.8	112.6					33.4	60.9	159.2	173.5	0.0	0.0
120.00		125.1	111.7					33.4	60.9	158.5	172.6	0.0	0.0
121.00		124.4	110.8					33.5	60.9	157.9	171.7	0.0	0.0
122.00	Appertunance(s)	99.7	110.0	3,538.9	0.0	0.0	2,127.7	33.5	60.9	3,672.2	2,298.6	0.0	0.0
123.00		75.4	109.1					0.0	49.1	75.4	158.2	0.0	0.0
124.00		75.1	108.2					0.0	49.1	75.1	157.3	0.0	0.0
125.00		74.9	107.3					0.0	49.1	74.9	156.4	0.0	0.0
126.00		74.7	106.4					0.0	49.1	74.7	155.5	0.0	0.0
127.00		74.5	105.5					0.0	49.1	74.5	154.6	0.0	0.0
128.00		74.3	104.6					0.0	49.1	74.3	153.7	0.0	0.0
129.00		74.1	103.7					0.0	49.1	74.1	152.8	0.0	0.0
130.00		73.9	102.8					0.0	49.1	73.9	151.9	0.0	0.0
131.00		73.7	102.0					0.0	49.1	73.7	151.0	0.0	0.0
132.00		41.2	101.1					0.0	49.1	41.2	150.2	0.0	0.0
132.12	Bot - Section 4	37.1	12.0					0.0	5.9	37.1	17.9	0.0	0.0
133.00		69.8	142.1					0.0	43.2	69.8	185.3	0.0	0.0
134.00		74.1	160.1					0.0	49.1	74.1	209.2	0.0	0.0
135.00		69.1	158.7					0.0	49.1	69.1	207.7	0.0	0.0
135.87	Top - Section 3	36.8	136.8					0.0	42.7	36.8	179.5	0.0	0.0
136.00		41.3	7.7					0.0	6.4	41.3	14.1	0.0	0.0
137.00	Appertunance(s)	72.9	59.2	3,899.7	0.0	0.0	3,619.0	0.0	49.1	3,972.6	3,727.2	0.0	0.0
138.00		72.7	58.7					0.0	44.6	72.7	103.3	0.0	0.0
139.00		72.5	58.1					0.0	44.6	72.5	102.8	0.0	0.0
140.00	Appertunance(s)	72.2	57.6	556.1	0.0	-60.2	606.0	0.0	44.6	628.3	708.2	0.0	0.0
141.00		72.0	57.1					0.0	43.9	72.0	100.9	0.0	0.0
142.00		71.7	56.5					0.0	43.9	71.7	100.4	0.0	0.0
143.00		71.5	56.0					0.0	43.9	71.5	99.9	0.0	0.0
144.00		71.2	55.5					0.0	43.9	71.2	99.3	0.0	0.0
145.00		71.0	54.9					0.0	43.9	71.0	98.8	0.0	0.0
146.00	Appertunance(s)	70.7	54.4	1,720.5	0.0	492.2	859.2	0.0	43.9	1,791.2	957.5	0.0	0.0
147.00		70.4	53.9					0.0	36.8	70.4	90.7	0.0	0.0
148.00		70.2	53.3					0.0	36.8	70.2	90.1	0.0	0.0
149.00		69.9	52.8					0.0	36.8	69.9	89.6	0.0	0.0
150.00		69.7	52.3					0.0	36.8	69.7	89.1	0.0	0.0
151.00		69.4	51.7					0.0	36.8	69.4	88.5	0.0	0.0
152.00	Appertunance(s)	69.1	51.2	217.2	0.0	0.0	190.0	0.0	36.8	286.3	278.0	0.0	0.0
153.00		68.8	50.7					0.0	35.8	68.8	86.5	0.0	0.0
154.00		68.6	50.1					0.0	35.8	68.6	86.0	0.0	0.0
155.00		68.3	49.6					0.0	35.8	68.3	85.4	0.0	0.0

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:20 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.6W

93 mph with No Ice

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.20

Wind Load Factor : 1.60

156.00		68.0	49.1				0.0	35.8	68.0	84.9	0.0	0.0	
157.00		67.7	48.5				0.0	35.8	67.7	84.4	0.0	0.0	
158.00		67.5	48.0				0.0	35.8	67.5	83.8	0.0	0.0	
159.00		67.2	47.5				0.0	35.8	67.2	83.3	0.0	0.0	
160.00		80.7	46.9				0.0	35.8	80.7	82.8	0.0	0.0	
161.00		93.8	46.4				17.4	35.8	111.3	82.2	0.0	0.0	
162.00		92.9	45.9				17.5	35.8	110.4	81.7	0.0	0.0	
163.00	Appertunance(s)	71.0	45.3	1,724.8	0.0	0.0	1,531.8	17.5	35.8	1,813.3	1,613.0	0.0	0.0
164.00		49.3	44.8				0.0	22.8	49.3	67.6	0.0	0.0	
165.00		48.8	44.3				0.0	22.8	48.8	67.1	0.0	0.0	
166.00		48.3	43.7				0.0	22.8	48.3	66.5	0.0	0.0	
167.00		47.8	43.2				0.0	22.8	47.8	66.0	0.0	0.0	
168.00		47.3	42.7				0.0	22.8	47.3	65.5	0.0	0.0	
169.00		46.8	42.1				0.0	22.8	46.8	64.9	0.0	0.0	
170.00		46.3	41.6				0.0	22.8	46.3	64.4	0.0	0.0	
171.00		45.8	41.1				0.0	22.8	45.8	63.9	0.0	0.0	
172.00		45.3	40.5				0.0	22.8	45.3	63.3	0.0	0.0	
173.00		44.8	40.0				0.0	22.8	44.8	62.8	0.0	0.0	
174.00		44.2	39.5				0.0	22.8	44.2	62.3	0.0	0.0	
175.00		43.7	38.9				0.0	22.8	43.7	61.7	0.0	0.0	
176.00		43.2	38.4				0.0	22.8	43.2	61.2	0.0	0.0	
177.00		42.7	37.9				0.0	22.8	42.7	60.7	0.0	0.0	
178.00		42.1	37.3				0.0	22.8	42.1	60.2	0.0	0.0	
179.00		41.6	36.8				0.0	22.8	41.6	59.6	0.0	0.0	
180.00		20.7	36.3				0.0	22.8	20.7	59.1	0.0	0.0	
								Totals:	38,112.9	67,881.8	0.00	0.00	

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:20 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.6W

93 mph with No Ice

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.20

Wind Load Factor : 1.60

Calculated Forces

Seg	Pu	Vu	Tu	Mu	Mu	Resultant	phi	phi	phi	phi	Total	Rotation	Ratio
Elev	FY (-)	FX (-)	MY	MZ	MX	Moment	Pn	Vn	Tn	Mn	Deflect	(deg)	
(ft)	(kips)	(kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)		
0.00	-70.60	-41.42	0.00	-4,704.42	0.00	4,704.42	5,102.86	2,551.43	10,963.2	5,489.79	0.00	0.00	0.645
1.00	-70.06	-41.36	0.00	-4,663.00	0.00	4,663.00	5,088.23	2,544.11	10,885.6	5,450.89	0.00	-0.04	0.643
2.00	-69.53	-41.31	0.00	-4,621.64	0.00	4,621.64	5,073.54	2,536.77	10,808.0	5,412.06	0.02	-0.08	0.641
3.00	-69.00	-41.25	0.00	-4,580.33	0.00	4,580.33	5,058.79	2,529.39	10,730.6	5,373.31	0.04	-0.12	0.639
4.00	-68.47	-41.20	0.00	-4,539.08	0.00	4,539.08	5,043.98	2,521.99	10,653.4	5,334.64	0.07	-0.16	0.637
5.00	-67.94	-41.14	0.00	-4,497.88	0.00	4,497.88	5,029.12	2,514.56	10,576.3	5,296.03	0.11	-0.20	0.635
6.00	-67.41	-41.09	0.00	-4,456.74	0.00	4,456.74	5,014.20	2,507.10	10,499.4	5,257.51	0.15	-0.24	0.633
7.00	-66.88	-41.03	0.00	-4,415.66	0.00	4,415.66	4,999.22	2,499.61	10,422.6	5,219.05	0.21	-0.28	0.630
8.00	-66.36	-40.97	0.00	-4,374.63	0.00	4,374.63	4,984.19	2,492.10	10,345.9	5,180.68	0.27	-0.32	0.628
9.00	-65.84	-40.92	0.00	-4,333.65	0.00	4,333.65	4,969.10	2,484.55	10,269.5	5,142.38	0.34	-0.36	0.626
10.00	-65.31	-40.86	0.00	-4,292.74	0.00	4,292.74	4,953.95	2,476.98	10,193.1	5,104.17	0.42	-0.40	0.624
11.00	-64.79	-40.80	0.00	-4,251.88	0.00	4,251.88	4,938.75	2,469.37	10,117.0	5,066.03	0.51	-0.44	0.622
12.00	-64.27	-40.74	0.00	-4,211.08	0.00	4,211.08	4,923.49	2,461.74	10,041.0	5,027.97	0.60	-0.48	0.619
13.00	-63.75	-40.68	0.00	-4,170.34	0.00	4,170.34	4,908.17	2,454.08	9,965.17	4,989.99	0.71	-0.52	0.617
14.00	-63.24	-40.63	0.00	-4,129.66	0.00	4,129.66	4,892.79	2,446.40	9,889.49	4,952.10	0.82	-0.56	0.615
15.00	-62.72	-40.57	0.00	-4,089.03	0.00	4,089.03	4,877.36	2,438.68	9,813.98	4,914.28	0.94	-0.60	0.612
16.00	-62.21	-40.51	0.00	-4,048.47	0.00	4,048.47	4,861.87	2,430.94	9,738.63	4,876.55	1.07	-0.64	0.610
17.00	-61.69	-40.45	0.00	-4,007.96	0.00	4,007.96	4,846.32	2,423.16	9,663.45	4,838.91	1.21	-0.68	0.608
18.00	-61.18	-40.39	0.00	-3,967.51	0.00	3,967.51	4,830.72	2,415.36	9,588.44	4,801.34	1.36	-0.72	0.605
19.00	-60.67	-40.33	0.00	-3,927.13	0.00	3,927.13	4,815.06	2,407.53	9,513.60	4,763.87	1.51	-0.76	0.603
20.00	-60.16	-40.26	0.00	-3,886.80	0.00	3,886.80	4,799.34	2,399.67	9,438.93	4,726.48	1.68	-0.80	0.600
21.00	-59.65	-40.20	0.00	-3,846.54	0.00	3,846.54	4,783.57	2,391.78	9,364.44	4,689.18	1.85	-0.84	0.598
22.00	-59.14	-40.14	0.00	-3,806.34	0.00	3,806.34	4,767.74	2,383.87	9,290.12	4,651.96	2.03	-0.88	0.595
23.00	-58.64	-40.08	0.00	-3,766.20	0.00	3,766.20	4,751.85	2,375.92	9,215.98	4,614.84	2.22	-0.92	0.593
24.00	-58.13	-40.02	0.00	-3,726.12	0.00	3,726.12	4,735.90	2,367.95	9,142.01	4,577.80	2.42	-0.97	0.590
25.00	-57.63	-39.95	0.00	-3,686.10	0.00	3,686.10	4,719.90	2,359.95	9,068.23	4,540.86	2.63	-1.01	0.588
26.00	-57.13	-39.89	0.00	-3,646.15	0.00	3,646.15	4,703.84	2,351.92	8,994.63	4,504.00	2.84	-1.05	0.585
27.00	-56.63	-39.83	0.00	-3,606.26	0.00	3,606.26	4,687.72	2,343.86	8,921.22	4,467.24	3.07	-1.09	0.582
28.00	-56.13	-39.76	0.00	-3,566.43	0.00	3,566.43	4,671.55	2,335.77	8,847.98	4,430.57	3.30	-1.13	0.580
29.00	-55.63	-39.70	0.00	-3,526.67	0.00	3,526.67	4,655.31	2,327.66	8,774.94	4,393.99	3.54	-1.17	0.577
30.00	-55.13	-39.60	0.00	-3,486.97	0.00	3,486.97	4,639.03	2,319.51	8,702.08	4,357.51	3.79	-1.21	0.574
31.00	-54.63	-39.54	0.00	-3,447.37	0.00	3,447.37	4,622.68	2,311.34	8,629.41	4,321.12	4.05	-1.25	0.572
32.00	-54.14	-39.47	0.00	-3,407.83	0.00	3,407.83	4,606.28	2,303.14	8,556.93	4,284.83	4.32	-1.30	0.569
33.00	-53.65	-39.40	0.00	-3,368.36	0.00	3,368.36	4,589.82	2,294.91	8,484.65	4,248.63	4.59	-1.34	0.566
34.00	-53.16	-39.33	0.00	-3,328.96	0.00	3,328.96	4,573.30	2,286.65	8,412.56	4,212.53	4.88	-1.38	0.563
35.00	-52.67	-39.26	0.00	-3,289.63	0.00	3,289.63	4,556.73	2,278.36	8,340.67	4,176.53	5.17	-1.42	0.560
36.00	-52.18	-39.19	0.00	-3,250.37	0.00	3,250.37	4,540.10	2,270.05	8,268.97	4,140.63	5.47	-1.46	0.557
37.00	-51.69	-39.12	0.00	-3,211.18	0.00	3,211.18	4,523.41	2,261.70	8,197.47	4,104.83	5.79	-1.50	0.554
38.00	-51.21	-39.04	0.00	-3,172.06	0.00	3,172.06	4,506.66	2,253.33	8,126.17	4,069.13	6.11	-1.55	0.551
39.00	-50.72	-38.97	0.00	-3,133.02	0.00	3,133.02	4,489.86	2,244.93	8,055.08	4,033.53	6.43	-1.59	0.548
40.00	-50.24	-38.89	0.00	-3,094.05	0.00	3,094.05	4,473.00	2,236.50	7,984.18	3,998.03	6.77	-1.63	0.545
41.00	-49.76	-38.81	0.00	-3,055.16	0.00	3,055.16	4,456.09	2,228.04	7,913.50	3,962.63	7.12	-1.67	0.542
42.00	-49.28	-38.74	0.00	-3,016.35	0.00	3,016.35	4,439.11	2,219.56	7,843.02	3,927.34	7.47	-1.71	0.539
42.96	-48.84	-38.69	0.00	-2,979.30	0.00	2,979.30	4,422.82	2,211.41	7,775.79	3,893.68	7.82	-1.75	0.536
43.00	-48.79	-38.65	0.00	-2,977.62	0.00	2,977.62	4,422.08	2,211.04	7,772.74	3,892.15	7.84	-1.76	0.531
44.00	-48.11	-38.56	0.00	-2,938.97	0.00	2,938.97	4,400.67	2,200.33	7,695.11	3,853.28	8.21	-1.80	0.528
45.00	-47.42	-38.47	0.00	-2,900.40	0.00	2,900.40	4,378.03	2,189.01	7,615.75	3,813.53	8.59	-1.84	0.525
46.00	-46.74	-38.36	0.00	-2,861.93	0.00	2,861.93	4,355.39	2,177.70	7,536.79	3,773.99	8.98	-1.88	0.522
47.00	-46.06	-38.19	0.00	-2,823.57	0.00	2,823.57	4,332.75	2,166.38	7,458.24	3,734.66	9.38	-1.92	0.520
48.00	-45.38	-38.03	0.00	-2,785.38	0.00	2,785.38	4,310.11	2,155.06	7,380.10	3,695.54	9.79	-1.96	0.517
49.00	-44.72	-37.92	0.00	-2,747.35	0.00	2,747.35	4,287.47	2,143.74	7,302.38	3,656.62	10.20	-2.01	0.514

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:20 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.6W

93 mph with No Ice

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.20

Wind Load Factor : 1.60

49.04	-44.68	-37.88	0.00	-2,745.84	0.00	2,745.84	3,604.17	1,802.08	6,267.69	3,138.50	10.22	-2.01	0.580
50.00	-44.26	-37.77	0.00	-2,709.47	0.00	2,709.47	3,591.50	1,795.75	6,214.33	3,111.78	10.63	-2.05	0.576
51.00	-43.83	-37.61	0.00	-2,671.70	0.00	2,671.70	3,578.26	1,789.13	6,158.90	3,084.03	11.06	-2.09	0.571
52.00	-43.39	-37.45	0.00	-2,634.09	0.00	2,634.09	3,564.96	1,782.48	6,103.60	3,056.34	11.51	-2.14	0.567
53.00	-42.96	-37.29	0.00	-2,596.64	0.00	2,596.64	3,551.60	1,775.80	6,048.46	3,028.72	11.96	-2.18	0.563
54.00	-42.53	-37.13	0.00	-2,559.35	0.00	2,559.35	3,538.18	1,769.09	5,993.45	3,001.18	12.42	-2.22	0.558
55.00	-42.10	-36.97	0.00	-2,522.21	0.00	2,522.21	3,524.70	1,762.35	5,938.60	2,973.71	12.89	-2.27	0.554
56.00	-41.67	-36.81	0.00	-2,485.25	0.00	2,485.25	3,511.17	1,755.59	5,883.90	2,946.32	13.37	-2.31	0.550
57.00	-41.24	-36.64	0.00	-2,448.44	0.00	2,448.44	3,497.59	1,748.79	5,829.34	2,919.00	13.86	-2.36	0.545
58.00	-40.81	-36.48	0.00	-2,411.80	0.00	2,411.80	3,483.94	1,741.97	5,774.94	2,891.76	14.36	-2.40	0.541
59.00	-40.39	-36.32	0.00	-2,375.32	0.00	2,375.32	3,470.24	1,735.12	5,720.69	2,864.60	14.87	-2.44	0.536
60.00	-39.96	-36.15	0.00	-2,339.00	0.00	2,339.00	3,456.48	1,728.24	5,666.60	2,837.51	15.38	-2.49	0.532
61.00	-39.54	-35.98	0.00	-2,302.85	0.00	2,302.85	3,442.66	1,721.33	5,612.67	2,810.51	15.91	-2.53	0.527
62.00	-39.12	-35.82	0.00	-2,266.87	0.00	2,266.87	3,428.79	1,714.39	5,558.89	2,783.58	16.44	-2.57	0.523
63.00	-38.70	-35.65	0.00	-2,231.05	0.00	2,231.05	3,414.86	1,707.43	5,505.28	2,756.73	16.99	-2.62	0.518
64.00	-38.28	-35.48	0.00	-2,195.40	0.00	2,195.40	3,400.87	1,700.44	5,451.82	2,729.96	17.54	-2.66	0.513
65.00	-37.87	-35.31	0.00	-2,159.92	0.00	2,159.92	3,386.83	1,693.41	5,398.53	2,703.28	18.10	-2.70	0.509
66.00	-37.45	-35.15	0.00	-2,124.61	0.00	2,124.61	3,372.72	1,686.36	5,345.41	2,676.68	18.67	-2.75	0.504
67.00	-37.04	-34.98	0.00	-2,089.46	0.00	2,089.46	3,358.57	1,679.28	5,292.45	2,650.16	19.25	-2.79	0.499
68.00	-36.63	-34.81	0.00	-2,054.49	0.00	2,054.49	3,344.35	1,672.18	5,239.65	2,623.72	19.84	-2.83	0.494
69.00	-36.21	-34.64	0.00	-2,019.68	0.00	2,019.68	3,330.08	1,665.04	5,187.03	2,597.37	20.44	-2.88	0.490
70.00	-35.80	-34.47	0.00	-1,985.04	0.00	1,985.04	3,315.75	1,657.87	5,134.58	2,571.11	21.05	-2.92	0.485
71.00	-35.40	-34.29	0.00	-1,950.58	0.00	1,950.58	3,301.36	1,650.68	5,082.30	2,544.93	21.67	-2.96	0.480
72.00	-34.99	-34.12	0.00	-1,916.29	0.00	1,916.29	3,286.92	1,643.46	5,030.20	2,518.84	22.29	-3.00	0.475
73.00	-34.58	-33.95	0.00	-1,882.16	0.00	1,882.16	3,272.42	1,636.21	4,978.27	2,492.84	22.92	-3.05	0.470
74.00	-34.18	-33.78	0.00	-1,848.21	0.00	1,848.21	3,257.86	1,628.93	4,926.52	2,466.92	23.57	-3.09	0.465
75.00	-33.78	-33.61	0.00	-1,814.44	0.00	1,814.44	3,242.30	1,621.15	4,873.54	2,440.39	24.22	-3.13	0.460
76.00	-33.38	-33.43	0.00	-1,780.83	0.00	1,780.83	3,222.90	1,611.45	4,815.08	2,411.12	24.88	-3.17	0.456
77.00	-32.98	-33.26	0.00	-1,747.40	0.00	1,747.40	3,203.49	1,601.75	4,756.98	2,382.03	25.55	-3.22	0.451
78.00	-32.58	-33.08	0.00	-1,714.14	0.00	1,714.14	3,184.09	1,592.04	4,699.23	2,353.11	26.23	-3.26	0.446
79.00	-32.18	-32.91	0.00	-1,681.06	0.00	1,681.06	3,164.68	1,582.34	4,641.84	2,324.37	26.91	-3.30	0.442
80.00	-31.78	-32.74	0.00	-1,648.15	0.00	1,648.15	3,145.28	1,572.64	4,584.79	2,295.80	27.61	-3.34	0.437
81.00	-31.37	-32.57	0.00	-1,615.42	0.00	1,615.42	3,125.87	1,562.94	4,528.10	2,267.42	28.31	-3.38	0.433
82.00	-30.97	-32.40	0.00	-1,582.86	0.00	1,582.86	3,106.47	1,553.24	4,471.77	2,239.21	29.03	-3.42	0.429
83.00	-30.57	-32.23	0.00	-1,550.47	0.00	1,550.47	3,087.07	1,543.53	4,415.78	2,211.17	29.75	-3.46	0.424
84.00	-30.17	-32.06	0.00	-1,518.14	0.00	1,518.14	3,067.66	1,533.83	4,360.15	2,183.32	30.48	-3.50	0.420
85.00	-29.77	-31.89	0.00	-1,485.96	0.00	1,485.96	3,048.26	1,524.13	4,304.87	2,155.63	31.22	-3.54	0.415
86.00	-29.37	-31.72	0.00	-1,453.83	0.00	1,453.83	3,028.85	1,514.43	4,249.94	2,128.13	31.96	-3.58	0.411
87.00	-28.97	-31.55	0.00	-1,421.74	0.00	1,421.74	3,009.45	1,504.72	4,195.37	2,100.80	32.72	-3.62	0.406
87.54	-28.64	-31.44	0.00	-1,419.82	0.00	1,419.82	2,998.97	1,499.48	4,166.05	2,086.12	33.13	-3.65	0.404
88.00	-28.40	-31.33	0.00	-1,406.21	0.00	1,406.21	2,990.04	1,495.02	4,141.15	2,073.65	33.48	-3.66	0.397
89.00	-27.88	-31.16	0.00	-1,376.77	0.00	1,376.77	2,970.64	1,485.32	4,087.28	2,046.68	34.25	-3.70	0.392
90.00	-27.36	-31.00	0.00	-1,347.51	0.00	1,347.51	2,951.23	1,475.62	4,033.76	2,019.88	35.03	-3.74	0.387
91.00	-26.85	-30.83	0.00	-1,318.44	0.00	1,318.44	2,931.83	1,465.91	3,980.60	1,993.26	35.82	-3.78	0.383
92.00	-26.34	-30.66	0.00	-1,289.56	0.00	1,289.56	2,912.42	1,456.21	3,927.79	1,966.81	36.61	-3.82	0.378
92.46	-26.11	-30.55	0.00	-1,276.45	0.00	1,276.45	2,412.07	1,206.04	3,317.78	1,661.36	36.98	-3.84	0.419
93.00	-25.91	-30.44	0.00	-1,260.89	0.00	1,260.89	2,405.85	1,202.93	3,297.34	1,651.12	37.42	-3.86	0.415
94.00	-25.56	-30.33	0.00	-1,232.38	0.00	1,232.38	2,394.36	1,197.18	3,259.83	1,632.34	38.23	-3.90	0.409
95.00	-25.21	-30.22	0.00	-1,204.06	0.00	1,204.06	2,382.81	1,191.41	3,222.46	1,613.62	39.05	-3.94	0.403
96.00	-24.32	-30.11	0.00	-1,175.90	0.00	1,175.90	2,371.21	1,185.60	3,185.22	1,594.98	39.88	-3.98	0.396
97.00	-23.98	-30.00	0.00	-1,148.57	0.00	1,148.57	2,359.55	1,179.77	3,148.11	1,576.40	40.72	-4.02	0.390
98.00	-23.63	-29.89	0.00	-1,121.42	0.00	1,121.42	2,347.83	1,173.91	3,111.14	1,557.88	41.56	-4.06	0.383
99.00	-23.29	-29.78	0.00	-1,094.45	0.00	1,094.45	2,336.05	1,168.03	3,074.31	1,539.44	42.42	-4.10	0.377
100.00	-22.95	-29.67	0.00	-1,067.66	0.00	1,067.66	2,324.22	1,162.11	3,037.61	1,521.06	43.28	-4.14	0.371
101.00	-22.61	-29.56	0.00	-1,041.04	0.00	1,041.04	2,312.33	1,156.16	3,001.06	1,502.76	44.15	-4.17	0.364
102.00	-22.27	-29.45	0.00	-1,014.60	0.00	1,014.60	2,300.38	1,150.19	2,964.65	1,484.53	45.03	-4.21	0.358
103.00	-21.93	-29.34	0.00	-988.34	0.00	988.34	2,288.38	1,144.19	2,928.39	1,466.37	45.91	-4.25	0.351

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:20 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.6W

93 mph with No Ice

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.20

Wind Load Factor : 1.60

104.00	-21.59	-25.93	0.00	-962.26	0.00	962.26	2,276.31	1,138.16	2,892.27	1,448.28	46.81	-4.29	0.345
104.50	-21.43	-25.84	0.00	-949.30	0.00	949.30	2,270.26	1,135.13	2,874.26	1,439.27	47.26	-4.31	0.341
104.50	-21.43	-25.84	0.00	-949.30	0.00	949.30	2,270.26	1,135.13	2,874.26	1,439.27	47.26	-4.31	0.670
105.00	-21.29	-25.73	0.00	-936.38	0.00	936.38	2,264.20	1,132.10	2,856.29	1,430.27	47.71	-4.32	0.665
106.00	-21.02	-25.57	0.00	-910.64	0.00	910.64	2,251.29	1,125.65	2,819.56	1,411.88	48.62	-4.40	0.655
107.00	-20.75	-25.42	0.00	-885.07	0.00	885.07	2,235.12	1,117.56	2,779.00	1,391.56	49.55	-4.47	0.646
108.00	-20.48	-25.26	0.00	-859.65	0.00	859.65	2,218.95	1,109.48	2,738.73	1,371.40	50.49	-4.54	0.637
109.00	-20.22	-25.10	0.00	-834.40	0.00	834.40	2,202.78	1,101.39	2,698.75	1,351.38	51.45	-4.61	0.627
110.00	-19.95	-24.94	0.00	-809.30	0.00	809.30	2,186.61	1,093.30	2,659.07	1,331.51	52.42	-4.68	0.617
111.00	-19.63	-24.31	0.00	-784.37	0.00	784.37	2,170.44	1,085.22	2,619.69	1,311.79	53.41	-4.75	0.607
112.00	-19.38	-24.15	0.00	-760.05	0.00	760.05	2,154.27	1,077.13	2,580.59	1,292.21	54.41	-4.82	0.598
113.00	-17.34	-21.76	0.00	-735.90	0.00	735.90	2,138.10	1,069.05	2,541.79	1,272.79	55.43	-4.88	0.587
114.00	-17.15	-21.60	0.00	-714.14	0.00	714.14	2,121.93	1,060.96	2,503.29	1,253.50	56.46	-4.95	0.578
115.00	-16.96	-21.45	0.00	-692.54	0.00	692.54	2,105.76	1,052.88	2,465.08	1,234.37	57.50	-5.02	0.570
116.00	-16.77	-21.29	0.00	-671.09	0.00	671.09	2,089.59	1,044.79	2,427.16	1,215.38	58.56	-5.08	0.561
117.00	-16.59	-21.13	0.00	-649.80	0.00	649.80	2,073.42	1,036.71	2,389.54	1,196.54	59.63	-5.15	0.551
118.00	-16.41	-20.98	0.00	-628.67	0.00	628.67	2,057.25	1,028.62	2,352.21	1,177.85	60.71	-5.22	0.542
119.00	-16.22	-20.82	0.00	-607.69	0.00	607.69	2,041.07	1,020.54	2,315.17	1,159.31	61.81	-5.28	0.533
120.00	-16.04	-20.67	0.00	-586.87	0.00	586.87	2,024.90	1,012.45	2,278.43	1,140.91	62.92	-5.34	0.523
121.00	-15.87	-20.51	0.00	-566.20	0.00	566.20	2,008.73	1,004.37	2,241.98	1,122.66	64.05	-5.41	0.513
122.00	-13.91	-16.65	0.00	-545.70	0.00	545.70	1,992.56	996.28	2,205.83	1,104.55	65.18	-5.47	0.501
123.00	-13.74	-16.58	0.00	-529.05	0.00	529.05	1,976.39	988.20	2,169.97	1,086.60	66.33	-5.53	0.494
124.00	-13.57	-16.50	0.00	-512.47	0.00	512.47	1,960.22	980.11	2,134.40	1,068.79	67.50	-5.59	0.487
125.00	-13.41	-16.42	0.00	-495.97	0.00	495.97	1,944.05	972.03	2,099.13	1,051.12	68.67	-5.65	0.479
126.00	-13.24	-16.35	0.00	-479.55	0.00	479.55	1,927.88	963.94	2,064.15	1,033.61	69.86	-5.71	0.471
127.00	-13.08	-16.27	0.00	-463.20	0.00	463.20	1,911.71	955.86	2,029.46	1,016.24	71.06	-5.77	0.463
128.00	-12.92	-16.20	0.00	-446.93	0.00	446.93	1,895.54	947.77	1,995.07	999.02	72.28	-5.83	0.454
129.00	-12.76	-16.12	0.00	-430.73	0.00	430.73	1,879.37	939.68	1,960.98	981.95	73.50	-5.89	0.446
130.00	-12.60	-16.04	0.00	-414.61	0.00	414.61	1,863.20	931.60	1,927.17	965.02	74.74	-5.95	0.437
131.00	-12.44	-15.97	0.00	-398.57	0.00	398.57	1,847.03	923.51	1,893.66	948.24	75.99	-6.01	0.427
132.00	-12.29	-15.92	0.00	-382.60	0.00	382.60	1,830.86	915.43	1,860.45	931.61	77.26	-6.06	0.418
132.12	-12.26	-15.88	0.00	-380.69	0.00	380.69	1,828.92	914.46	1,856.49	929.63	77.41	-6.07	0.417
133.00	-12.07	-15.81	0.00	-366.71	0.00	366.71	1,814.69	907.34	1,827.53	915.12	78.53	-6.12	0.408
134.00	-11.86	-15.72	0.00	-350.91	0.00	350.91	1,798.52	899.26	1,794.90	898.78	79.81	-6.17	0.397
135.00	-11.65	-15.64	0.00	-335.19	0.00	335.19	1,782.35	891.17	1,762.57	882.59	81.11	-6.23	0.387
135.87	-11.46	-15.59	0.00	-321.58	0.00	321.58	993.95	496.97	1,000.68	501.09	82.25	-6.27	0.654
136.00	-11.44	-15.56	0.00	-319.55	0.00	319.55	993.20	496.60	998.76	500.12	82.42	-6.28	0.651
137.00	-8.16	-11.21	0.00	-304.00	0.00	304.00	987.45	493.72	984.00	492.73	83.74	-6.36	0.626
138.00	-8.05	-11.14	0.00	-292.79	0.00	292.79	981.64	490.82	969.28	485.36	85.08	-6.44	0.612
139.00	-7.94	-11.06	0.00	-281.66	0.00	281.66	975.77	487.88	954.62	478.02	86.43	-6.52	0.598
140.00	-7.29	-10.37	0.00	-270.59	0.00	270.59	969.84	484.92	940.01	470.70	87.80	-6.59	0.583
141.00	-7.19	-10.29	0.00	-260.23	0.00	260.23	963.86	481.93	925.45	463.41	89.19	-6.67	0.569
142.00	-7.08	-10.22	0.00	-249.93	0.00	249.93	957.82	478.91	910.95	456.15	90.59	-6.75	0.556
143.00	-6.98	-10.15	0.00	-239.71	0.00	239.71	951.72	475.86	896.50	448.92	92.01	-6.82	0.542
144.00	-6.88	-10.07	0.00	-229.57	0.00	229.57	945.56	472.78	882.11	441.71	93.44	-6.89	0.527
145.00	-6.78	-10.00	0.00	-219.50	0.00	219.50	939.35	469.68	867.78	434.53	94.89	-6.97	0.513
146.00	-6.03	-8.11	0.00	-209.01	0.00	209.01	933.08	466.54	853.51	427.39	96.36	-7.04	0.496
147.00	-5.94	-8.04	0.00	-200.89	0.00	200.89	926.76	463.38	839.30	420.27	97.83	-7.11	0.485
148.00	-5.85	-7.96	0.00	-192.86	0.00	192.86	920.37	460.19	825.16	413.19	99.33	-7.18	0.473
149.00	-5.76	-7.89	0.00	-184.89	0.00	184.89	913.93	456.97	811.08	406.14	100.83	-7.25	0.462
150.00	-5.67	-7.82	0.00	-177.00	0.00	177.00	907.44	453.72	797.07	399.13	102.35	-7.31	0.450
151.00	-5.59	-7.74	0.00	-169.19	0.00	169.19	900.88	450.44	783.12	392.14	103.89	-7.38	0.438
152.00	-5.34	-7.43	0.00	-161.44	0.00	161.44	894.27	447.14	769.25	385.20	105.44	-7.45	0.425
153.00	-5.25	-7.36	0.00	-154.02	0.00	154.02	887.60	443.80	755.45	378.29	107.00	-7.51	0.413
154.00	-5.17	-7.28	0.00	-146.66	0.00	146.66	880.88	440.44	741.72	371.41	108.58	-7.58	0.401
155.00	-5.09	-7.21	0.00	-139.38	0.00	139.38	874.09	437.05	728.06	364.57	110.17	-7.64	0.388
156.00	-5.00	-7.14	0.00	-132.17	0.00	132.17	867.26	433.63	714.49	357.77	111.77	-7.70	0.375

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:21 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.6W

93 mph with No Ice

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.20

Wind Load Factor : 1.60

157.00	-4.92	-7.06	0.00	-125.04	0.00	125.04	860.36	430.18	700.99	351.01	113.38	-7.76	0.362
158.00	-4.84	-6.99	0.00	-117.97	0.00	117.97	853.41	426.70	687.57	344.29	115.01	-7.82	0.349
159.00	-4.76	-6.92	0.00	-110.98	0.00	110.98	846.39	423.20	674.23	337.61	116.65	-7.88	0.335
160.00	-4.68	-6.83	0.00	-104.07	0.00	104.07	839.33	419.66	660.97	330.98	118.30	-7.93	0.320
161.00	-4.61	-6.71	0.00	-97.24	0.00	97.24	832.20	416.10	647.80	324.38	119.96	-7.99	0.306
162.00	-4.54	-6.59	0.00	-90.53	0.00	90.53	825.02	412.51	634.71	317.83	121.63	-8.04	0.291
163.00	-3.19	-4.58	0.00	-83.94	0.00	83.94	817.78	408.89	621.71	311.32	123.32	-8.09	0.274
164.00	-3.13	-4.52	0.00	-79.36	0.00	79.36	810.15	405.07	608.54	304.72	125.01	-8.14	0.264
165.00	-3.07	-4.46	0.00	-74.84	0.00	74.84	800.44	400.22	593.98	297.43	126.71	-8.18	0.256
166.00	-3.00	-4.41	0.00	-70.38	0.00	70.38	790.74	395.37	579.60	290.23	128.43	-8.23	0.246
167.00	-2.94	-4.36	0.00	-65.97	0.00	65.97	781.04	390.52	565.39	283.11	130.15	-8.27	0.237
168.00	-2.88	-4.30	0.00	-61.61	0.00	61.61	771.34	385.67	551.35	276.09	131.88	-8.32	0.227
169.00	-2.82	-4.25	0.00	-57.31	0.00	57.31	761.63	380.82	537.50	269.15	133.62	-8.36	0.217
170.00	-2.76	-4.19	0.00	-53.06	0.00	53.06	751.93	375.97	523.82	262.30	135.37	-8.40	0.206
171.00	-2.70	-4.14	0.00	-48.87	0.00	48.87	742.23	371.11	510.32	255.54	137.13	-8.44	0.195
172.00	-2.64	-4.09	0.00	-44.73	0.00	44.73	732.53	366.26	496.99	248.86	138.90	-8.48	0.183
173.00	-2.58	-4.04	0.00	-40.64	0.00	40.64	722.82	361.41	483.84	242.28	140.67	-8.51	0.171
174.00	-2.53	-3.99	0.00	-36.60	0.00	36.60	713.12	356.56	470.86	235.78	142.45	-8.55	0.159
175.00	-2.47	-3.93	0.00	-32.62	0.00	32.62	703.42	351.71	458.07	229.37	144.24	-8.58	0.146
176.00	-2.41	-3.88	0.00	-28.68	0.00	28.68	693.72	346.86	445.44	223.05	146.03	-8.61	0.132
177.00	-2.36	-3.83	0.00	-24.80	0.00	24.80	684.02	342.01	433.00	216.82	147.83	-8.63	0.118
178.00	-2.30	-3.78	0.00	-20.96	0.00	20.96	674.31	337.16	420.73	210.68	149.63	-8.66	0.103
179.00	-2.25	-3.73	0.00	-17.18	0.00	17.18	664.61	332.31	408.64	204.62	151.44	-8.68	0.087
180.00	0.00	-3.35	0.00	-13.44	0.00	13.44	654.91	327.45	396.72	198.65	153.25	-8.69	0.068

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:21 PM

Customer: AT&T Mobility

Load Case: 0.9D + 1.6W

93 mph with No Ice (Reduced DL)

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 0.90

Wind Load Factor : 1.60

Shaft Segment Forces (Factored)

Seg Top							Ice				Wind	Dead	Tot Dead	
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Force X (lb)	Load Ice (lb)	Load (lb)
0.00		1.00	0.70	16.933	18.62	372.45	0.650	0.000	0.00	0.000	0.00	43.1	0.0	0.0
1.00		1.00	0.70	16.933	18.62	371.67	0.650	* 0.000	1.00	4.454	2.90	86.1	0.0	222.0
2.00		1.00	0.70	16.933	18.62	370.12	0.650	* 0.000	1.00	4.436	2.88	85.7	0.0	221.1
3.00		1.00	0.70	16.933	18.62	368.57	0.650	* 0.000	1.00	4.417	2.87	85.4	0.0	220.1
4.00		1.00	0.70	16.933	18.62	367.02	0.650	* 0.000	1.00	4.399	2.86	85.0	0.0	219.2
5.00		1.00	0.70	16.933	18.62	365.48	0.650	* 0.000	1.00	4.380	2.85	84.7	0.0	218.3
6.00		1.00	0.70	16.933	18.62	363.93	0.650	* 0.000	1.00	4.362	2.83	84.3	0.0	217.3
7.00		1.00	0.70	16.933	18.62	362.38	0.650	* 0.000	1.00	4.343	2.82	83.9	0.0	216.4
8.00		1.00	0.70	16.933	18.62	360.83	0.650	* 0.000	1.00	4.324	2.81	83.6	0.0	215.5
9.00		1.00	0.70	16.933	18.62	359.28	0.650	* 0.000	1.00	4.306	2.80	83.2	0.0	214.5
10.00		1.00	0.70	16.933	18.62	357.73	0.650	* 0.000	1.00	4.287	2.79	82.9	0.0	213.6
11.00		1.00	0.70	16.933	18.62	356.18	0.650	* 0.000	1.00	4.269	2.77	82.5	0.0	212.7
12.00		1.00	0.70	16.933	18.62	354.63	0.650	* 0.000	1.00	4.250	2.76	82.1	0.0	211.7
13.00		1.00	0.70	16.933	18.62	353.08	0.650	* 0.000	1.00	4.232	2.75	81.8	0.0	210.8
14.00		1.00	0.70	16.933	18.62	351.53	0.650	* 0.000	1.00	4.213	2.74	81.4	0.0	209.9
15.00		1.00	0.70	16.933	18.62	349.98	0.650	* 0.000	1.00	4.194	2.73	81.1	0.0	208.9
16.00		1.00	0.70	16.933	18.62	348.43	0.650	* 0.000	1.00	4.176	2.71	80.7	0.0	208.0
17.00		1.00	0.70	16.933	18.62	346.88	0.650	* 0.000	1.00	4.157	2.70	80.4	0.0	207.1
18.00		1.00	0.70	16.933	18.62	345.33	0.650	* 0.000	1.00	4.139	2.69	80.0	0.0	206.1
19.00		1.00	0.70	16.933	18.62	343.78	0.650	* 0.000	1.00	4.120	2.68	79.6	0.0	205.2
20.00		1.00	0.70	16.933	18.62	342.23	0.650	* 0.000	1.00	4.102	2.67	79.3	0.0	204.3
21.00		1.00	0.70	16.933	18.62	340.68	0.650	* 0.000	1.00	4.083	2.65	78.9	0.0	203.3
22.00		1.00	0.70	16.933	18.62	339.13	0.650	* 0.000	1.00	4.064	2.64	78.6	0.0	202.4
23.00		1.00	0.70	16.933	18.62	337.59	0.650	* 0.000	1.00	4.046	2.63	78.2	0.0	201.5
24.00		1.00	0.70	16.933	18.62	336.04	0.650	* 0.000	1.00	4.027	2.62	77.8	0.0	200.5
25.00		1.00	0.70	16.933	18.62	334.49	0.650	* 0.000	1.00	4.009	2.61	77.5	0.0	199.6
26.00		1.00	0.70	16.933	18.62	332.94	0.650	* 0.000	1.00	3.990	2.59	77.1	0.0	198.7
27.00		1.00	0.70	16.933	18.62	331.39	0.650	* 0.000	1.00	3.972	2.58	76.8	0.0	197.7
28.00		1.00	0.70	16.933	18.62	329.84	0.650	* 0.000	1.00	3.953	2.57	76.4	0.0	196.8
29.00		1.00	0.70	16.933	18.62	328.29	0.650	* 0.000	1.00	3.934	2.56	76.0	0.0	195.9
30.00	Appertunance(s)	1.00	0.70	16.933	18.62	326.74	0.650	* 0.000	1.00	3.916	2.55	75.9	0.0	194.9
31.00		1.00	0.70	17.027	18.73	326.10	0.650	* 0.000	1.00	3.897	2.53	76.1	0.0	194.0
32.00		1.00	0.71	17.185	18.90	326.04	0.650	* 0.000	1.00	3.879	2.52	76.4	0.0	193.1
33.00		1.00	0.71	17.339	19.07	325.93	0.650	* 0.000	1.00	3.860	2.51	76.7	0.0	192.1
34.00		1.00	0.72	17.490	19.23	325.77	0.650	* 0.000	1.00	3.842	2.50	77.0	0.0	191.2
35.00		1.00	0.72	17.637	19.40	325.56	0.650	* 0.000	1.00	3.823	2.48	77.3	0.0	190.3
36.00		1.00	0.73	17.782	19.56	325.31	0.650	* 0.000	1.00	3.804	2.47	77.5	0.0	189.3
37.00		1.00	0.74	17.924	19.71	325.01	0.650	* 0.000	1.00	3.786	2.46	77.7	0.0	188.4
38.00		1.00	0.74	18.063	19.86	324.66	0.650	* 0.000	1.00	3.767	2.45	77.9	0.0	187.5
39.00		1.00	0.75	18.199	20.01	324.28	0.650	* 0.000	1.00	3.749	2.44	78.1	0.0	186.5
40.00		1.00	0.75	18.333	20.16	323.86	0.650	* 0.000	1.00	3.730	2.42	78.3	0.0	185.6
41.00		1.00	0.76	18.464	20.31	323.40	0.650	* 0.000	1.00	3.712	2.41	78.5	0.0	184.7
42.00		1.00	0.76	18.593	20.45	322.90	0.650	* 0.000	1.00	3.693	2.40	76.9	0.0	183.7
42.96	Bot - Section 2	1.00	0.77	18.718	20.58	322.39	0.650	* 0.000	0.96	3.515	2.28	39.4	0.0	174.9
43.00		1.00	0.77	18.780	20.65	322.11	0.650	* 0.000	0.04	0.162	0.11	41.8	0.0	14.8
44.00		1.00	0.77	18.845	20.73	321.81	0.650	* 0.000	1.00	3.719	2.42	80.2	0.0	340.7
45.00		1.00	0.78	18.968	20.86	321.22	0.650	* 0.000	1.00	3.701	2.41	80.4	0.0	339.0
46.00		1.00	0.78	19.089	20.99	320.60	0.650	* 0.000	1.00	3.682	2.39	114.5	0.0	337.2
47.00		1.00	0.79	19.208	21.12	319.94	1.200	* 0.000	1.00	3.664	4.40	148.7	0.0	335.5
48.00		1.00	0.79	19.325	21.25	319.26	1.200	* 0.000	1.00	3.645	4.37	148.8	0.0	333.8
49.00		1.00	0.80	19.440	21.38	318.55	1.200	* 0.000	1.00	3.627	4.35	77.4	0.0	332.0

Load Case: 0.9D + 1.6W	93 mph with No Ice (Reduced DL)	35 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.15
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

49.04	Top - Section 1	1.00	0.80	19.499	21.44	318.17	1.200	* 0.000	0.04	0.144	0.17	41.7	0.0	13.2
50.00		1.00	0.80	19.556	21.51	323.49	0.650	* 0.000	0.96	3.464	2.25	113.3	0.0	147.9
51.00		1.00	0.81	19.666	21.63	322.76	1.200	* 0.000	1.00	3.589	4.31	149.1	0.0	153.2
52.00		1.00	0.81	19.776	21.75	322.00	1.200	* 0.000	1.00	3.571	4.28	149.2	0.0	152.4
53.00		1.00	0.82	19.885	21.87	321.20	1.200	* 0.000	1.00	3.552	4.26	149.2	0.0	151.6
54.00		1.00	0.82	19.993	21.99	320.39	1.200	* 0.000	1.00	3.534	4.24	149.2	0.0	150.8
55.00		1.00	0.83	20.099	22.10	319.55	1.200	* 0.000	1.00	3.515	4.22	149.2	0.0	150.0
56.00		1.00	0.83	20.204	22.22	318.69	1.200	* 0.000	1.00	3.497	4.20	149.2	0.0	149.2
57.00		1.00	0.83	20.307	22.33	317.80	1.200	* 0.000	1.00	3.478	4.17	149.1	0.0	148.4
58.00		1.00	0.84	20.409	22.45	316.90	1.200	* 0.000	1.00	3.459	4.15	149.1	0.0	147.6
59.00		1.00	0.84	20.510	22.56	315.98	1.200	* 0.000	1.00	3.441	4.13	149.0	0.0	146.8
60.00		1.00	0.85	20.609	22.67	315.03	1.200	* 0.000	1.00	3.422	4.11	148.9	0.0	146.0
61.00		1.00	0.85	20.708	22.77	314.07	1.200	* 0.000	1.00	3.404	4.08	148.8	0.0	145.2
62.00		1.00	0.86	20.805	22.88	313.09	1.200	* 0.000	1.00	3.385	4.06	148.7	0.0	144.4
63.00		1.00	0.86	20.901	22.99	312.09	1.200	* 0.000	1.00	3.367	4.04	148.5	0.0	143.6
64.00		1.00	0.86	20.996	23.09	311.07	1.200	* 0.000	1.00	3.348	4.02	148.4	0.0	142.8
65.00		1.00	0.87	21.090	23.19	310.04	1.200	* 0.000	1.00	3.329	4.00	148.2	0.0	142.0
66.00		1.00	0.87	21.183	23.30	308.99	1.200	* 0.000	1.00	3.311	3.97	148.0	0.0	141.2
67.00		1.00	0.88	21.275	23.40	307.92	1.200	* 0.000	1.00	3.292	3.95	147.8	0.0	140.4
68.00		1.00	0.88	21.366	23.50	306.84	1.200	* 0.000	1.00	3.274	3.93	147.6	0.0	139.6
69.00		1.00	0.88	21.456	23.60	305.74	1.200	* 0.000	1.00	3.255	3.91	147.4	0.0	138.8
70.00		1.00	0.89	21.545	23.69	304.62	1.200	* 0.000	1.00	3.237	3.88	147.1	0.0	138.0
71.00		1.00	0.89	21.633	23.79	303.50	1.200	* 0.000	1.00	3.218	3.86	146.9	0.0	137.2
72.00		1.00	0.89	21.720	23.89	302.35	1.200	* 0.000	1.00	3.199	3.84	146.6	0.0	136.4
73.00		1.00	0.90	21.806	23.98	301.19	1.200	* 0.000	1.00	3.181	3.82	146.4	0.0	135.7
74.00		1.00	0.90	21.892	24.08	300.02	1.200	* 0.000	1.00	3.162	3.79	146.1	0.0	134.9
75.00		1.00	0.90	21.977	24.17	298.84	1.200	* 0.000	1.00	3.144	3.77	145.8	0.0	134.1
76.00		1.00	0.91	22.060	24.26	297.64	1.200	* 0.000	1.00	3.125	3.75	145.4	0.0	133.3
77.00		1.00	0.91	22.143	24.35	296.43	1.200	* 0.000	1.00	3.107	3.73	145.1	0.0	132.5
78.00		1.00	0.91	22.226	24.44	295.20	1.200	* 0.000	1.00	3.088	3.71	144.8	0.0	131.7
79.00	Appertunance(s)	1.00	0.92	22.307	24.53	293.96	1.200	* 0.000	1.00	3.069	3.68	144.4	0.0	130.9
80.00	Appertunance(s)	1.00	0.92	22.388	24.62	292.71	1.200	* 0.000	1.00	3.051	3.66	144.1	0.0	130.1
81.00		1.00	0.92	22.468	24.71	291.45	1.200	* 0.000	1.00	3.032	3.64	143.7	0.0	129.3
82.00		1.00	0.93	22.548	24.80	290.18	1.200	* 0.000	1.00	3.014	3.62	143.3	0.0	128.5
83.00		1.00	0.93	22.626	24.88	288.89	1.200	* 0.000	1.00	2.995	3.59	142.9	0.0	127.7
84.00		1.00	0.93	22.704	24.97	287.60	1.200	* 0.000	1.00	2.977	3.57	142.5	0.0	126.9
85.00		1.00	0.94	22.782	25.06	286.29	1.200	* 0.000	1.00	2.958	3.55	142.1	0.0	126.1
86.00		1.00	0.94	22.858	25.14	284.97	1.200	* 0.000	1.00	2.939	3.53	141.7	0.0	125.3
87.00		1.00	0.94	22.935	25.22	283.64	1.200	* 0.000	1.00	2.921	3.51	108.8	0.0	124.5
87.54	Bot - Section 3	1.00	0.95	22.993	25.29	282.61	1.200	* 0.000	0.54	1.569	1.88	71.1	0.0	66.9
88.00		1.00	0.95	23.030	25.33	281.94	1.200	* 0.000	0.46	1.357	1.63	104.6	0.0	105.1
89.00		1.00	0.95	23.085	25.39	280.95	1.200	* 0.000	1.00	2.937	3.52	143.0	0.0	227.3
90.00		1.00	0.95	23.159	25.47	279.59	1.200	* 0.000	1.00	2.918	3.50	142.5	0.0	225.9
91.00		1.00	0.96	23.233	25.55	278.22	1.200	* 0.000	1.00	2.899	3.48	142.0	0.0	224.4
92.00		1.00	0.96	23.306	25.63	276.84	1.200	* 0.000	1.00	2.881	3.46	103.2	0.0	222.9
92.46	Top - Section 2	1.00	0.96	23.359	25.69	275.83	1.200	* 0.000	0.46	1.309	1.57	70.7	0.0	101.3
93.00		1.00	0.96	23.395	25.73	280.32	1.200	* 0.000	0.54	1.553	1.86	108.8	0.0	55.2
94.00		1.00	0.96	23.450	25.79	279.24	1.200	* 0.000	1.00	2.844	3.41	140.6	0.0	101.1
95.00		1.00	0.97	23.522	25.87	277.84	1.200	* 0.000	1.00	2.825	3.39	140.1	0.0	100.5
96.00	Appertunance(s)	1.00	0.97	23.592	25.95	276.43	1.200	* 0.000	1.00	2.807	3.37	139.6	0.0	99.8
97.00		1.00	0.97	23.663	26.02	275.01	1.200	* 0.000	1.00	2.788	3.35	139.1	0.0	99.1
98.00		1.00	0.98	23.733	26.10	273.58	1.200	* 0.000	1.00	2.770	3.32	138.6	0.0	98.5
99.00		1.00	0.98	23.802	26.18	272.14	1.200	* 0.000	1.00	2.751	3.30	138.0	0.0	97.8
100.0		1.00	0.98	23.871	26.25	270.70	1.200	* 0.000	1.00	2.732	3.28	137.5	0.0	97.1
101.0		1.00	0.99	23.939	26.33	269.24	1.200	* 0.000	1.00	2.714	3.26	136.9	0.0	96.5
102.0		1.00	0.99	24.007	26.40	267.78	1.200	* 0.000	1.00	2.695	3.23	136.4	0.0	95.8
103.0		1.00	0.99	24.074	26.48	266.30	1.200	* 0.000	1.00	2.677	3.21	135.8	0.0	95.1

Load Case: 0.9D + 1.6W	93 mph with No Ice (Reduced DL)	35 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.15
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

104.0		1.00	0.99	24.141	26.55	264.82	1.200	*	0.000	1.00	2.658	3.19	101.5	0.0	94.5
104.5	Reinf. Top	1.00	1.00	24.191	26.61	263.71	1.200	*	0.000	0.50	1.322	1.59	67.5	0.0	47.0
105.0		1.00	1.00	24.224	26.64	262.96	1.200	*	0.000	0.50	1.317	1.58	100.9	0.0	46.8
106.0		1.00	1.00	24.273	26.70	261.84	1.200	*	0.000	1.00	2.621	3.15	134.1	0.0	93.1
107.0		1.00	1.00	24.339	26.77	260.33	1.200	*	0.000	1.00	2.602	3.12	133.5	0.0	92.5
108.0		1.00	1.00	24.404	26.84	258.82	1.200	*	0.000	1.00	2.584	3.10	132.9	0.0	91.8
109.0		1.00	1.01	24.469	26.91	257.30	1.200	*	0.000	1.00	2.565	3.08	132.3	0.0	91.1
110.0		1.00	1.01	24.533	26.98	255.77	1.200	*	0.000	1.00	2.547	3.06	131.6	0.0	90.5
111.0	Appertunance(s)	1.00	1.01	24.597	27.05	254.24	1.200	*	0.000	1.00	2.528	3.03	131.0	0.0	89.8
112.0		1.00	1.01	24.660	27.12	252.70	1.200	*	0.000	1.00	2.510	3.01	130.4	0.0	89.1
113.0	Appertunance(s)	1.00	1.02	24.723	27.19	251.15	1.200	*	0.000	1.00	2.491	2.99	129.7	0.0	88.5
114.0		1.00	1.02	24.786	27.26	249.59	1.200	*	0.000	1.00	2.472	2.97	129.1	0.0	87.8
115.0		1.00	1.02	24.848	27.33	248.03	1.200	*	0.000	1.00	2.454	2.94	128.4	0.0	87.1
116.0		1.00	1.03	24.910	27.40	246.46	1.200	*	0.000	1.00	2.435	2.92	127.8	0.0	86.5
117.0		1.00	1.03	24.971	27.46	244.88	1.200	*	0.000	1.00	2.417	2.90	127.1	0.0	85.8
118.0		1.00	1.03	25.032	27.53	243.29	1.200	*	0.000	1.00	2.398	2.88	126.4	0.0	85.1
119.0		1.00	1.03	25.093	27.60	241.70	1.200	*	0.000	1.00	2.380	2.86	125.8	0.0	84.5
120.0		1.00	1.04	25.153	27.66	240.10	1.200	*	0.000	1.00	2.361	2.83	125.1	0.0	83.8
121.0		1.00	1.04	25.213	27.73	238.50	1.200	*	0.000	1.00	2.342	2.81	124.4	0.0	83.1
122.0	Appertunance(s)	1.00	1.04	25.273	27.80	236.89	1.200	*	0.000	1.00	2.324	2.79	123.7	0.0	82.5
123.0		1.00	1.04	25.332	27.86	235.27	0.650	*	0.000	1.00	2.305	1.50	66.6	0.0	81.8
124.0		1.00	1.05	25.391	27.93	233.65	0.650	*	0.000	1.00	2.287	1.49	66.2	0.0	81.1
125.0		1.00	1.05	25.449	27.99	232.02	0.650	*	0.000	1.00	2.268	1.47	65.8	0.0	80.5
126.0		1.00	1.05	25.508	28.05	230.38	0.650	*	0.000	1.00	2.250	1.46	65.4	0.0	79.8
127.0		1.00	1.05	25.566	28.12	228.74	0.650	*	0.000	1.00	2.231	1.45	65.1	0.0	79.1
128.0		1.00	1.05	25.623	28.18	227.09	0.650	*	0.000	1.00	2.212	1.44	64.7	0.0	78.5
129.0		1.00	1.06	25.680	28.24	225.43	0.650	*	0.000	1.00	2.194	1.43	64.3	0.0	77.8
130.0		1.00	1.06	25.737	28.31	223.77	0.650	*	0.000	1.00	2.175	1.41	63.8	0.0	77.1
131.0		1.00	1.06	25.794	28.37	222.11	0.650	*	0.000	1.00	2.157	1.40	63.4	0.0	76.5
132.0		1.00	1.06	25.850	28.43	220.44	0.650	*	0.000	1.00	2.138	1.39	63.0	0.0	75.8
132.1	Bot - Section 4	1.00	1.07	25.882	28.47	219.50	0.650	*	0.000	0.12	0.255	0.17	31.8	0.0	9.0
133.0		1.00	1.07	25.910	28.50	218.66	0.650	*	0.000	0.88	1.893	1.23	59.7	0.0	106.6
134.0		1.00	1.07	25.962	28.55	217.07	0.650	*	0.000	1.00	2.133	1.39	63.1	0.0	120.1
135.0		1.00	1.07	26.017	28.61	215.38	0.650	*	0.000	1.00	2.114	1.37	58.7	0.0	119.0
135.8	Top - Section 3	1.00	1.07	26.069	28.67	213.80	0.650	*	0.000	0.87	1.824	1.19	31.3	0.0	102.6
136.0		1.00	1.07	26.096	28.70	216.24	0.650	*	0.000	0.13	0.272	0.18	35.1	0.0	5.8
137.0	Appertunance(s)	1.00	1.08	26.127	28.74	215.28	0.650	*	0.000	1.00	2.077	1.35	61.9	0.0	44.4
138.0		1.00	1.08	26.182	28.80	213.58	0.650	*	0.000	1.00	2.058	1.34	61.4	0.0	44.0
139.0		1.00	1.08	26.236	28.86	211.87	0.650	*	0.000	1.00	2.040	1.33	61.0	0.0	43.6
140.0	Appertunance(s)	1.00	1.08	26.290	28.91	210.16	0.650	*	0.000	1.00	2.021	1.31	60.6	0.0	43.2
141.0		1.00	1.08	26.344	28.97	208.44	0.650	*	0.000	1.00	2.003	1.30	60.1	0.0	42.8
142.0		1.00	1.09	26.397	29.03	206.72	0.650	*	0.000	1.00	1.984	1.29	59.7	0.0	42.4
143.0		1.00	1.09	26.450	29.09	204.99	0.650	*	0.000	1.00	1.966	1.28	59.3	0.0	42.0
144.0		1.00	1.09	26.503	29.15	203.25	0.650	*	0.000	1.00	1.947	1.27	58.8	0.0	41.6
145.0		1.00	1.09	26.556	29.21	201.51	0.650	*	0.000	1.00	1.928	1.25	58.4	0.0	41.2
146.0	Appertunance(s)	1.00	1.10	26.608	29.26	199.77	0.650	*	0.000	1.00	1.910	1.24	57.9	0.0	40.8
147.0		1.00	1.10	26.660	29.32	198.02	0.650	*	0.000	1.00	1.891	1.23	57.5	0.0	40.4
148.0		1.00	1.10	26.712	29.38	196.27	0.650	*	0.000	1.00	1.873	1.22	57.0	0.0	40.0
149.0		1.00	1.10	26.764	29.44	194.51	0.650	*	0.000	1.00	1.854	1.21	56.5	0.0	39.6
150.0		1.00	1.10	26.815	29.49	192.75	0.650	*	0.000	1.00	1.836	1.19	56.1	0.0	39.2
151.0		1.00	1.11	26.866	29.55	190.98	0.650	*	0.000	1.00	1.817	1.18	55.6	0.0	38.8
152.0	Appertunance(s)	1.00	1.11	26.917	29.60	189.21	0.650	*	0.000	1.00	1.799	1.17	55.1	0.0	38.4
153.0		1.00	1.11	26.968	29.66	187.43	0.650	*	0.000	1.00	1.780	1.16	54.7	0.0	38.0
154.0		1.00	1.11	27.018	29.72	185.65	0.650	*	0.000	1.00	1.761	1.14	54.2	0.0	37.6
155.0		1.00	1.11	27.069	29.77	183.86	0.650	*	0.000	1.00	1.743	1.13	53.7	0.0	37.2
156.0		1.00	1.12	27.119	29.83	182.07	0.650	*	0.000	1.00	1.724	1.12	53.3	0.0	36.8
157.0		1.00	1.12	27.168	29.88	180.27	0.650	*	0.000	1.00	1.706	1.11	52.8	0.0	36.4

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:22 PM

Customer: AT&T Mobility

Load Case: 0.9D + 1.6W

93 mph with No Ice (Reduced DL)

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 0.90

Wind Load Factor : 1.60

158.0		1.00	1.12	27.218	29.93	178.47	0.650	*	0.000	1.00	1.687	1.10	52.3	0.0	36.0
159.0		1.00	1.12	27.267	29.99	176.67	0.650	*	0.000	1.00	1.669	1.08	51.8	0.0	35.6
160.0		1.00	1.12	27.316	30.04	174.86	0.650	*	0.000	1.00	1.650	1.07	72.9	0.0	35.2
161.0		1.00	1.13	27.365	30.10	173.04	1.200	*	0.000	1.00	1.631	1.96	93.8	0.0	34.8
162.0		1.00	1.13	27.413	30.15	171.23	1.200	*	0.000	1.00	1.613	1.94	92.9	0.0	34.4
163.0	Appertunance(s)	1.00	1.13	27.462	30.20	169.40	1.200	*	0.000	1.00	1.594	1.91	71.0	0.0	34.0
164.0		1.00	1.13	27.510	30.26	167.58	0.650		0.000	1.00	1.576	1.02	49.3	0.0	33.6
165.0		1.00	1.13	27.558	30.31	165.75	0.650		0.000	1.00	1.557	1.01	48.8	0.0	33.2
166.0		1.00	1.14	27.606	30.36	163.91	0.650		0.000	1.00	1.539	1.00	48.3	0.0	32.8
167.0		1.00	1.14	27.653	30.41	162.07	0.650		0.000	1.00	1.520	0.99	47.8	0.0	32.4
168.0		1.00	1.14	27.701	30.47	160.23	0.650		0.000	1.00	1.501	0.98	47.3	0.0	32.0
169.0		1.00	1.14	27.748	30.52	158.38	0.650		0.000	1.00	1.483	0.96	46.8	0.0	31.6
170.0		1.00	1.14	27.795	30.57	156.53	0.650		0.000	1.00	1.464	0.95	46.3	0.0	31.2
171.0		1.00	1.15	27.842	30.62	154.68	0.650		0.000	1.00	1.446	0.94	45.8	0.0	30.8
172.0		1.00	1.15	27.888	30.67	152.82	0.650		0.000	1.00	1.427	0.93	45.3	0.0	30.4
173.0		1.00	1.15	27.934	30.72	150.96	0.650		0.000	1.00	1.409	0.92	44.8	0.0	30.0
174.0		1.00	1.15	27.981	30.77	149.09	0.650		0.000	1.00	1.390	0.90	44.2	0.0	29.6
175.0		1.00	1.15	28.027	30.82	147.22	0.650		0.000	1.00	1.371	0.89	43.7	0.0	29.2
176.0		1.00	1.16	28.072	30.88	145.34	0.650		0.000	1.00	1.353	0.88	43.2	0.0	28.8
177.0		1.00	1.16	28.118	30.93	143.46	0.650		0.000	1.00	1.334	0.87	42.7	0.0	28.4
178.0		1.00	1.16	28.163	30.98	141.58	0.650		0.000	1.00	1.316	0.86	42.1	0.0	28.0
179.0		1.00	1.16	28.209	31.03	139.70	0.650		0.000	1.00	1.297	0.84	41.6	0.0	27.6
180.0	Appertunance(s)	1.00	1.16	28.254	31.07	137.81	0.650		0.000	1.00	1.279	0.83	20.7	0.0	27.2
* = Cf Adjusted By Linear Load Ra Effect										Totals:	180.00		17,670.1	0.0	22,744.0

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:39 PM

Customer: AT&T Mobility

Load Case: 0.9D + 1.6W

93 mph with No Ice (Reduced DL)

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 0.90

Wind Load Factor : 1.60

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
		Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		43.1	0.0					0.0	0.0	43.1	0.0	0.0	0.0
1.00		86.1	222.0					0.0	157.3	86.1	379.3	0.0	0.0
2.00		85.7	221.1					0.0	157.3	85.7	378.4	0.0	0.0
3.00		85.4	220.1					0.0	157.3	85.4	377.5	0.0	0.0
4.00		85.0	219.2					0.0	157.3	85.0	376.5	0.0	0.0
5.00		84.7	218.3					0.0	157.3	84.7	375.6	0.0	0.0
6.00		84.3	217.3					0.0	157.3	84.3	374.7	0.0	0.0
7.00		83.9	216.4					0.0	157.3	83.9	373.7	0.0	0.0
8.00		83.6	215.5					0.0	157.3	83.6	372.8	0.0	0.0
9.00		83.2	214.5					0.0	157.3	83.2	371.9	0.0	0.0
10.00		82.9	213.6					0.0	157.3	82.9	370.9	0.0	0.0
11.00		82.5	212.7					0.0	157.3	82.5	370.0	0.0	0.0
12.00		82.1	211.7					0.0	157.3	82.1	369.1	0.0	0.0
13.00		81.8	210.8					0.0	157.3	81.8	368.1	0.0	0.0
14.00		81.4	209.9					0.0	157.3	81.4	367.2	0.0	0.0
15.00		81.1	208.9					0.0	157.3	81.1	366.3	0.0	0.0
16.00		80.7	208.0					0.0	157.3	80.7	365.3	0.0	0.0
17.00		80.4	207.1					0.0	157.3	80.4	364.4	0.0	0.0
18.00		80.0	206.1					0.0	157.3	80.0	363.5	0.0	0.0
19.00		79.6	205.2					0.0	157.3	79.6	362.5	0.0	0.0
20.00		79.3	204.3					0.0	157.3	79.3	361.6	0.0	0.0
21.00		78.9	203.3					0.0	157.3	78.9	360.7	0.0	0.0
22.00		78.6	202.4					0.0	157.3	78.6	359.7	0.0	0.0
23.00		78.2	201.5					0.0	157.3	78.2	358.8	0.0	0.0
24.00		77.8	200.5					0.0	157.3	77.8	357.9	0.0	0.0
25.00		77.5	199.6					0.0	157.3	77.5	356.9	0.0	0.0
26.00		77.1	198.7					0.0	157.3	77.1	356.0	0.0	0.0
27.00		76.8	197.7					0.0	157.3	76.8	355.1	0.0	0.0
28.00		76.4	196.8					0.0	157.3	76.4	354.1	0.0	0.0
29.00		76.0	195.9					0.0	157.3	76.0	353.2	0.0	0.0
30.00	Appertunance(s)	75.9	194.9	29.8	0.0	0.0	9.0	0.0	157.3	105.7	361.3	0.0	0.0
31.00		76.1	194.0					0.0	157.0	76.1	351.0	0.0	0.0
32.00		76.4	193.1					0.0	157.0	76.4	350.1	0.0	0.0
33.00		76.7	192.1					0.0	157.0	76.7	349.2	0.0	0.0
34.00		77.0	191.2					0.0	157.0	77.0	348.2	0.0	0.0
35.00		77.3	190.3					0.0	157.0	77.3	347.3	0.0	0.0
36.00		77.5	189.3					0.0	157.0	77.5	346.4	0.0	0.0
37.00		77.7	188.4					0.0	157.0	77.7	345.4	0.0	0.0
38.00		77.9	187.5					0.0	157.0	77.9	344.5	0.0	0.0
39.00		78.1	186.5					0.0	157.0	78.1	343.6	0.0	0.0
40.00		78.3	185.6					0.0	157.0	78.3	342.6	0.0	0.0
41.00		78.5	184.7					0.0	157.0	78.5	341.7	0.0	0.0
42.00		76.9	183.7					0.0	157.0	76.9	340.8	0.0	0.0
42.96	Bot - Section 2	39.4	174.9					0.0	150.2	39.4	325.1	0.0	0.0
43.00		41.8	14.8					0.0	6.8	41.8	21.7	0.0	0.0
44.00		80.2	340.7					0.0	157.0	80.2	497.8	0.0	0.0
45.00		80.4	339.0					0.0	157.0	80.4	496.0	0.0	0.0
46.00		114.5	337.2					0.0	157.0	114.5	494.3	0.0	0.0
47.00		148.7	335.5					28.1	157.0	176.8	492.6	0.0	0.0

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:39 PM

Customer: AT&T Mobility

Load Case: 0.9D + 1.6W

93 mph with No Ice (Reduced DL)

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 0.90

Wind Load Factor : 1.60

48.00		148.8	333.8				28.3	157.0	177.1	490.8	0.0	0.0	
49.00		77.4	332.0				28.4	157.0	105.8	489.1	0.0	0.0	
49.04	Top - Section 1	41.7	13.2				1.1	6.3	42.9	19.5	0.0	0.0	
50.00		113.3	147.9				0.0	150.8	113.3	298.7	0.0	0.0	
51.00		149.1	153.2				28.6	157.0	177.7	310.3	0.0	0.0	
52.00		149.2	152.4				28.7	157.0	177.9	309.5	0.0	0.0	
53.00		149.2	151.6				28.9	157.0	178.1	308.7	0.0	0.0	
54.00		149.2	150.8				29.0	157.0	178.2	307.9	0.0	0.0	
55.00		149.2	150.0				29.1	157.0	178.3	307.1	0.0	0.0	
56.00		149.2	149.2				29.2	157.0	178.4	306.3	0.0	0.0	
57.00		149.1	148.4				29.3	157.0	178.5	305.5	0.0	0.0	
58.00		149.1	147.6				29.4	157.0	178.5	304.7	0.0	0.0	
59.00		149.0	146.8				29.5	157.0	178.5	303.9	0.0	0.0	
60.00		148.9	146.0				29.6	157.0	178.5	303.1	0.0	0.0	
61.00		148.8	145.2				29.7	157.0	178.5	302.3	0.0	0.0	
62.00		148.7	144.4				29.8	157.0	178.5	301.5	0.0	0.0	
63.00		148.5	143.6				30.0	157.0	178.5	300.7	0.0	0.0	
64.00		148.4	142.8				30.1	157.0	178.4	299.9	0.0	0.0	
65.00		148.2	142.0				30.2	157.0	178.4	299.1	0.0	0.0	
66.00		148.0	141.2				30.3	157.0	178.3	298.3	0.0	0.0	
67.00		147.8	140.4				30.4	157.0	178.2	297.5	0.0	0.0	
68.00		147.6	139.6				30.4	157.0	178.1	296.7	0.0	0.0	
69.00		147.4	138.8				30.5	157.0	177.9	295.9	0.0	0.0	
70.00		147.1	138.0				30.6	157.0	177.8	295.1	0.0	0.0	
71.00		146.9	137.2				30.7	157.0	177.6	294.3	0.0	0.0	
72.00		146.6	136.4				30.8	157.0	177.5	293.5	0.0	0.0	
73.00		146.4	135.7				30.9	157.0	177.3	292.7	0.0	0.0	
74.00		146.1	134.9				31.0	157.0	177.1	291.9	0.0	0.0	
75.00		145.8	134.1				31.1	157.0	176.9	291.1	0.0	0.0	
76.00		145.4	133.3				31.2	157.0	176.6	290.3	0.0	0.0	
77.00		145.1	132.5				31.3	157.0	176.4	289.5	0.0	0.0	
78.00		144.8	131.7				31.4	157.0	176.1	288.7	0.0	0.0	
79.00	Appertunance(s)	144.4	130.9	3.5	0.0	0.0	0.5	31.4	157.0	179.4	288.4	0.0	0.0
80.00	Appertunance(s)	144.1	130.1	1,857.2	0.0	0.0	250.2	31.5	156.9	2,032.8	537.2	0.0	0.0
81.00		143.7	129.3					31.6	156.5	175.3	285.7	0.0	0.0
82.00		143.3	128.5					31.7	156.5	175.0	284.9	0.0	0.0
83.00		142.9	127.7					31.7	156.5	174.6	284.1	0.0	0.0
84.00		142.5	126.9					31.8	156.5	174.3	283.3	0.0	0.0
85.00		142.1	126.1					31.8	156.5	173.9	282.5	0.0	0.0
86.00		141.7	125.3					31.9	156.5	173.6	281.7	0.0	0.0
87.00		108.8	124.5					31.9	156.5	140.8	280.9	0.0	0.0
87.54	Bot - Section 3	71.1	66.9					17.3	84.5	88.4	151.3	0.0	0.0
88.00		104.6	105.1					14.7	72.0	119.3	177.1	0.0	0.0
89.00		143.0	227.3					32.0	156.5	175.0	383.8	0.0	0.0
90.00		142.5	225.9					32.1	156.5	174.6	382.3	0.0	0.0
91.00		142.0	224.4					32.1	156.5	174.2	380.8	0.0	0.0
92.00		103.2	222.9					32.2	156.5	135.4	379.4	0.0	0.0
92.46	Top - Section 2	70.7	101.3					14.7	71.4	85.4	172.7	0.0	0.0
93.00		108.8	55.2					17.5	85.0	126.3	140.3	0.0	0.0
94.00		140.6	101.1					32.3	156.5	172.9	257.6	0.0	0.0
95.00		140.1	100.5					32.3	156.5	172.4	256.9	0.0	0.0
96.00	Appertunance(s)	139.6	99.8	605.2	0.0	-121.6	437.9	32.4	156.5	777.2	694.2	0.0	0.0
97.00		139.1	99.1					32.4	155.7	171.5	254.9	0.0	0.0
98.00		138.6	98.5					32.5	155.7	171.0	254.2	0.0	0.0
99.00		138.0	97.8					32.5	155.7	170.5	253.5	0.0	0.0
100.00		137.5	97.1					32.6	155.7	170.0	252.9	0.0	0.0
101.00		136.9	96.5					32.6	155.7	169.5	252.2	0.0	0.0

Load Case: 0.9D + 1.6W	93 mph with No Ice (Reduced DL)						35 Iterations	
Gust Response Factor : 1.10							Wind Importance Factor : 1.15	
Dead Load Factor : 0.90								
Wind Load Factor : 1.60								

102.00		136.4	95.8					32.7	155.7	169.0	251.5	0.0	0.0
103.00		135.8	95.1					32.7	155.7	168.5	250.9	0.0	0.0
104.00		101.5	94.5					32.8	155.7	134.3	250.2	0.0	0.0
104.50	Reinf. Top	67.5	47.0					16.4	77.9	83.9	124.8	0.0	0.0
105.00		100.9	46.8					16.4	47.8	117.3	94.6	0.0	0.0
106.00		134.1	93.1					32.8	95.6	166.9	188.7	0.0	0.0
107.00		133.5	92.5					32.9	95.6	166.4	188.1	0.0	0.0
108.00		132.9	91.8					32.9	95.6	165.8	187.4	0.0	0.0
109.00		132.3	91.1					33.0	95.6	165.2	186.7	0.0	0.0
110.00		131.6	90.5					33.0	95.6	164.7	186.1	0.0	0.0
111.00	Appertunance(s)	131.0	89.8	456.3	0.0	0.0	71.3	33.1	95.6	620.4	256.7	0.0	0.0
112.00		130.4	89.1					33.1	91.2	163.5	180.3	0.0	0.0
113.00	Appertunance(s)	129.7	88.5	2,062.7	0.0	0.0	1,501.2	41.4	71.8	2,233.9	1,661.5	0.0	0.0
114.00		129.1	87.8					33.2	45.7	162.3	133.5	0.0	0.0
115.00		128.4	87.1					33.2	45.7	161.7	132.8	0.0	0.0
116.00		127.8	86.5					33.3	45.7	161.1	132.1	0.0	0.0
117.00		127.1	85.8					33.3	45.7	160.4	131.5	0.0	0.0
118.00		126.4	85.1					33.4	45.7	159.8	130.8	0.0	0.0
119.00		125.8	84.5					33.4	45.7	159.2	130.1	0.0	0.0
120.00		125.1	83.8					33.4	45.7	158.5	129.5	0.0	0.0
121.00		124.4	83.1					33.5	45.7	157.9	128.8	0.0	0.0
122.00	Appertunance(s)	95.4	82.5	3,538.9	0.0	0.0	1,595.8	33.5	45.7	3,667.9	1,723.9	0.0	0.0
123.00		66.6	81.8					0.0	36.8	66.6	118.6	0.0	0.0
124.00		66.2	81.1					0.0	36.8	66.2	118.0	0.0	0.0
125.00		65.8	80.5					0.0	36.8	65.8	117.3	0.0	0.0
126.00		65.4	79.8					0.0	36.8	65.4	116.6	0.0	0.0
127.00		65.1	79.1					0.0	36.8	65.1	116.0	0.0	0.0
128.00		64.7	78.5					0.0	36.8	64.7	115.3	0.0	0.0
129.00		64.3	77.8					0.0	36.8	64.3	114.6	0.0	0.0
130.00		63.8	77.1					0.0	36.8	63.8	114.0	0.0	0.0
131.00		63.4	76.5					0.0	36.8	63.4	113.3	0.0	0.0
132.00		35.4	75.8					0.0	36.8	35.4	112.6	0.0	0.0
132.12	Bot - Section 4	31.8	9.0					0.0	4.4	31.8	13.4	0.0	0.0
133.00		59.7	106.6					0.0	32.4	59.7	139.0	0.0	0.0
134.00		63.1	120.1					0.0	36.8	63.1	156.9	0.0	0.0
135.00		58.7	119.0					0.0	36.8	58.7	155.8	0.0	0.0
135.87	Top - Section 3	31.3	102.6					0.0	32.0	31.3	134.7	0.0	0.0
136.00		35.1	5.8					0.0	4.8	35.1	10.6	0.0	0.0
137.00	Appertunance(s)	61.9	44.4	3,899.7	0.0	0.0	2,714.2	0.0	36.8	3,961.6	2,795.4	0.0	0.0
138.00		61.4	44.0					0.0	33.5	61.4	77.5	0.0	0.0
139.00		61.0	43.6					0.0	33.5	61.0	77.1	0.0	0.0
140.00	Appertunance(s)	60.6	43.2	556.1	0.0	-60.2	454.5	0.0	33.5	616.6	531.2	0.0	0.0
141.00		60.1	42.8					0.0	32.9	60.1	75.7	0.0	0.0
142.00		59.7	42.4					0.0	32.9	59.7	75.3	0.0	0.0
143.00		59.3	42.0					0.0	32.9	59.3	74.9	0.0	0.0
144.00		58.8	41.6					0.0	32.9	58.8	74.5	0.0	0.0
145.00		58.4	41.2					0.0	32.9	58.4	74.1	0.0	0.0
146.00	Appertunance(s)	57.9	40.8	1,720.5	0.0	492.2	644.4	0.0	32.9	1,778.4	718.1	0.0	0.0
147.00		57.5	40.4					0.0	27.6	57.5	68.0	0.0	0.0
148.00		57.0	40.0					0.0	27.6	57.0	67.6	0.0	0.0
149.00		56.5	39.6					0.0	27.6	56.5	67.2	0.0	0.0
150.00		56.1	39.2					0.0	27.6	56.1	66.8	0.0	0.0
151.00		55.6	38.8					0.0	27.6	55.6	66.4	0.0	0.0
152.00	Appertunance(s)	55.1	38.4	217.2	0.0	0.0	142.5	0.0	27.6	272.3	208.5	0.0	0.0
153.00		54.7	38.0					0.0	26.9	54.7	64.9	0.0	0.0
154.00		54.2	37.6					0.0	26.9	54.2	64.5	0.0	0.0
155.00		53.7	37.2					0.0	26.9	53.7	64.1	0.0	0.0

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:39 PM

Customer: AT&T Mobility

Load Case: 0.9D + 1.6W

93 mph with No Ice (Reduced DL)

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 0.90

Wind Load Factor : 1.60

156.00		53.3	36.8					0.0	26.9	53.3	63.7	0.0	0.0
157.00		52.8	36.4					0.0	26.9	52.8	63.3	0.0	0.0
158.00		52.3	36.0					0.0	26.9	52.3	62.9	0.0	0.0
159.00		51.8	35.6					0.0	26.9	51.8	62.5	0.0	0.0
160.00		72.9	35.2					0.0	26.9	72.9	62.1	0.0	0.0
161.00		93.8	34.8					17.4	26.9	111.3	61.7	0.0	0.0
162.00		92.9	34.4					17.5	26.9	110.4	61.3	0.0	0.0
163.00	Appertunance(s)	71.0	34.0	1,724.8	0.0	0.0	1,148.8	17.5	26.9	1,813.3	1,209.7	0.0	0.0
164.00		49.3	33.6					0.0	17.1	49.3	50.7	0.0	0.0
165.00		48.8	33.2					0.0	17.1	48.8	50.3	0.0	0.0
166.00		48.3	32.8					0.0	17.1	48.3	49.9	0.0	0.0
167.00		47.8	32.4					0.0	17.1	47.8	49.5	0.0	0.0
168.00		47.3	32.0					0.0	17.1	47.3	49.1	0.0	0.0
169.00		46.8	31.6					0.0	17.1	46.8	48.7	0.0	0.0
170.00		46.3	31.2					0.0	17.1	46.3	48.3	0.0	0.0
171.00		45.8	30.8					0.0	17.1	45.8	47.9	0.0	0.0
172.00		45.3	30.4					0.0	17.1	45.3	47.5	0.0	0.0
173.00		44.8	30.0					0.0	17.1	44.8	47.1	0.0	0.0
174.00		44.2	29.6					0.0	17.1	44.2	46.7	0.0	0.0
175.00		43.7	29.2					0.0	17.1	43.7	46.3	0.0	0.0
176.00		43.2	28.8					0.0	17.1	43.2	45.9	0.0	0.0
177.00		42.7	28.4					0.0	17.1	42.7	45.5	0.0	0.0
178.00		42.1	28.0					0.0	17.1	42.1	45.1	0.0	0.0
179.00		41.6	27.6					0.0	17.1	41.6	44.7	0.0	0.0
180.00		20.7	27.2					0.0	17.1	20.7	44.3	0.0	0.0
									Totals:	36,763.0	50,911.3	0.00	0.00

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:39 PM

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Load Case: 0.9D + 1.6W

93 mph with No Ice (Reduced DL)

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 0.90

Wind Load Factor : 1.60

Calculated Forces

Seg	Pu	Vu	Tu	Mu	Mu	Resultant	phi	phi	phi	phi	Total	Rotation	
Elev	FY (-)	FX (-)	MY	MZ	MX	Moment	Pn	Vn	Tn	Mn	Deflect	(deg)	Ratio
(ft)	(kips)	(kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)		
0.00	-52.94	-40.07	0.00	-4,553.31	0.00	4,553.31	5,102.86	2,551.43	10,963.2	5,489.79	0.00	0.00	0.622
1.00	-52.54	-40.02	0.00	-4,513.24	0.00	4,513.24	5,088.23	2,544.11	10,885.6	5,450.89	0.00	-0.04	0.620
2.00	-52.13	-39.97	0.00	-4,473.23	0.00	4,473.23	5,073.54	2,536.77	10,808.0	5,412.06	0.02	-0.08	0.618
3.00	-51.73	-39.91	0.00	-4,433.26	0.00	4,433.26	5,058.79	2,529.39	10,730.6	5,373.31	0.04	-0.11	0.616
4.00	-51.33	-39.86	0.00	-4,393.35	0.00	4,393.35	5,043.98	2,521.99	10,653.4	5,334.64	0.07	-0.15	0.614
5.00	-50.92	-39.81	0.00	-4,353.49	0.00	4,353.49	5,029.12	2,514.56	10,576.3	5,296.03	0.10	-0.19	0.612
6.00	-50.52	-39.76	0.00	-4,313.68	0.00	4,313.68	5,014.20	2,507.10	10,499.4	5,257.51	0.15	-0.23	0.610
7.00	-50.12	-39.71	0.00	-4,273.92	0.00	4,273.92	4,999.22	2,499.61	10,422.6	5,219.05	0.20	-0.27	0.608
8.00	-49.72	-39.66	0.00	-4,234.21	0.00	4,234.21	4,984.19	2,492.10	10,345.9	5,180.68	0.26	-0.31	0.606
9.00	-49.33	-39.60	0.00	-4,194.56	0.00	4,194.56	4,969.10	2,484.55	10,269.5	5,142.38	0.33	-0.34	0.604
10.00	-48.93	-39.55	0.00	-4,154.95	0.00	4,154.95	4,953.95	2,476.98	10,193.1	5,104.17	0.41	-0.38	0.602
11.00	-48.53	-39.50	0.00	-4,115.40	0.00	4,115.40	4,938.75	2,469.37	10,117.0	5,066.03	0.49	-0.42	0.599
12.00	-48.14	-39.45	0.00	-4,075.90	0.00	4,075.90	4,923.49	2,461.74	10,041.0	5,027.97	0.58	-0.46	0.597
13.00	-47.74	-39.39	0.00	-4,036.46	0.00	4,036.46	4,908.17	2,454.08	9,965.17	4,989.99	0.68	-0.50	0.595
14.00	-47.35	-39.34	0.00	-3,997.06	0.00	3,997.06	4,892.79	2,446.40	9,889.49	4,952.10	0.79	-0.54	0.593
15.00	-46.96	-39.29	0.00	-3,957.72	0.00	3,957.72	4,877.36	2,438.68	9,813.98	4,914.28	0.91	-0.58	0.591
16.00	-46.57	-39.24	0.00	-3,918.43	0.00	3,918.43	4,861.87	2,430.94	9,738.63	4,876.55	1.04	-0.62	0.588
17.00	-46.18	-39.18	0.00	-3,879.20	0.00	3,879.20	4,846.32	2,423.16	9,663.45	4,838.91	1.17	-0.66	0.586
18.00	-45.79	-39.13	0.00	-3,840.01	0.00	3,840.01	4,830.72	2,415.36	9,588.44	4,801.34	1.31	-0.70	0.584
19.00	-45.40	-39.08	0.00	-3,800.88	0.00	3,800.88	4,815.06	2,407.53	9,513.60	4,763.87	1.46	-0.74	0.581
20.00	-45.01	-39.03	0.00	-3,761.80	0.00	3,761.80	4,799.34	2,399.67	9,438.93	4,726.48	1.62	-0.78	0.579
21.00	-44.62	-38.97	0.00	-3,722.78	0.00	3,722.78	4,783.57	2,391.78	9,364.44	4,689.18	1.79	-0.82	0.577
22.00	-44.24	-38.92	0.00	-3,683.81	0.00	3,683.81	4,767.74	2,383.87	9,290.12	4,651.96	1.97	-0.85	0.574
23.00	-43.85	-38.87	0.00	-3,644.89	0.00	3,644.89	4,751.85	2,375.92	9,215.98	4,614.84	2.15	-0.89	0.572
24.00	-43.47	-38.81	0.00	-3,606.02	0.00	3,606.02	4,735.90	2,367.95	9,142.01	4,577.80	2.34	-0.93	0.569
25.00	-43.09	-38.76	0.00	-3,567.21	0.00	3,567.21	4,719.90	2,359.95	9,068.23	4,540.86	2.54	-0.97	0.567
26.00	-42.71	-38.71	0.00	-3,528.45	0.00	3,528.45	4,703.84	2,351.92	8,994.63	4,504.00	2.75	-1.01	0.564
27.00	-42.33	-38.65	0.00	-3,489.75	0.00	3,489.75	4,687.72	2,343.86	8,921.22	4,467.24	2.97	-1.05	0.562
28.00	-41.95	-38.60	0.00	-3,451.09	0.00	3,451.09	4,671.55	2,335.77	8,847.98	4,430.57	3.19	-1.09	0.559
29.00	-41.57	-38.55	0.00	-3,412.50	0.00	3,412.50	4,655.31	2,327.66	8,774.94	4,393.99	3.43	-1.13	0.556
30.00	-41.18	-38.46	0.00	-3,373.95	0.00	3,373.95	4,639.03	2,319.51	8,702.08	4,357.51	3.67	-1.17	0.554
31.00	-40.81	-38.41	0.00	-3,335.49	0.00	3,335.49	4,622.68	2,311.34	8,629.41	4,321.12	3.92	-1.21	0.551
32.00	-40.43	-38.35	0.00	-3,297.09	0.00	3,297.09	4,606.28	2,303.14	8,556.93	4,284.83	4.18	-1.25	0.548
33.00	-40.06	-38.29	0.00	-3,258.74	0.00	3,258.74	4,589.82	2,294.91	8,484.65	4,248.63	4.45	-1.29	0.545
34.00	-39.68	-38.24	0.00	-3,220.44	0.00	3,220.44	4,573.30	2,286.65	8,412.56	4,212.53	4.72	-1.34	0.543
35.00	-39.31	-38.18	0.00	-3,182.21	0.00	3,182.21	4,556.73	2,278.36	8,340.67	4,176.53	5.01	-1.38	0.540
36.00	-38.94	-38.12	0.00	-3,144.03	0.00	3,144.03	4,540.10	2,270.05	8,268.97	4,140.63	5.30	-1.42	0.537
37.00	-38.57	-38.06	0.00	-3,105.91	0.00	3,105.91	4,523.41	2,261.70	8,197.47	4,104.83	5.60	-1.46	0.534
38.00	-38.20	-38.00	0.00	-3,067.85	0.00	3,067.85	4,506.66	2,253.33	8,126.17	4,069.13	5.91	-1.50	0.531
39.00	-37.83	-37.94	0.00	-3,029.84	0.00	3,029.84	4,489.86	2,244.93	8,055.08	4,033.53	6.23	-1.54	0.528
40.00	-37.46	-37.88	0.00	-2,991.90	0.00	2,991.90	4,473.00	2,236.50	7,984.18	3,998.03	6.55	-1.58	0.525
41.00	-37.10	-37.82	0.00	-2,954.02	0.00	2,954.02	4,456.09	2,228.04	7,913.50	3,962.63	6.89	-1.62	0.522
42.00	-36.73	-37.76	0.00	-2,916.21	0.00	2,916.21	4,439.11	2,219.56	7,843.02	3,927.34	7.23	-1.66	0.519
42.96	-36.40	-37.72	0.00	-2,880.09	0.00	2,880.09	4,422.82	2,211.41	7,775.79	3,893.68	7.57	-1.70	0.516
43.00	-36.36	-37.69	0.00	-2,878.45	0.00	2,878.45	4,422.08	2,211.04	7,772.74	3,892.15	7.59	-1.70	0.511
44.00	-35.84	-37.62	0.00	-2,840.76	0.00	2,840.76	4,400.67	2,200.33	7,695.11	3,853.28	7.95	-1.74	0.508
45.00	-35.32	-37.55	0.00	-2,803.14	0.00	2,803.14	4,378.03	2,189.01	7,615.75	3,813.53	8.32	-1.78	0.506
46.00	-34.80	-37.45	0.00	-2,765.59	0.00	2,765.59	4,355.39	2,177.70	7,536.79	3,773.99	8.69	-1.82	0.503
47.00	-34.29	-37.28	0.00	-2,728.14	0.00	2,728.14	4,332.75	2,166.38	7,458.24	3,734.66	9.08	-1.86	0.500
48.00	-33.78	-37.11	0.00	-2,690.86	0.00	2,690.86	4,310.11	2,155.06	7,380.10	3,695.54	9.47	-1.90	0.498
49.00	-33.28	-37.00	0.00	-2,653.76	0.00	2,653.76	4,287.47	2,143.74	7,302.38	3,656.62	9.87	-1.94	0.495

Site Number: 302506

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93 mph with No Ice (Reduced DL)

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49.04	-33.25	-36.97	0.00	-2,652.28	0.00	2,652.28	3,604.17	1,802.08	6,267.69	3,138.50	9.89	-1.94	0.558
50.00	-32.93	-36.87	0.00	-2,616.79	0.00	2,616.79	3,591.50	1,795.75	6,214.33	3,111.78	10.29	-1.98	0.554
51.00	-32.60	-36.70	0.00	-2,579.93	0.00	2,579.93	3,578.26	1,789.13	6,158.90	3,084.03	10.71	-2.02	0.550
52.00	-32.27	-36.54	0.00	-2,543.22	0.00	2,543.22	3,564.96	1,782.48	6,103.60	3,056.34	11.13	-2.07	0.546
53.00	-31.94	-36.37	0.00	-2,506.69	0.00	2,506.69	3,551.60	1,775.80	6,048.46	3,028.72	11.57	-2.11	0.541
54.00	-31.61	-36.21	0.00	-2,470.32	0.00	2,470.32	3,538.18	1,769.09	5,993.45	3,001.18	12.02	-2.15	0.537
55.00	-31.29	-36.04	0.00	-2,434.11	0.00	2,434.11	3,524.70	1,762.35	5,938.60	2,973.71	12.47	-2.19	0.533
56.00	-30.96	-35.87	0.00	-2,398.07	0.00	2,398.07	3,511.17	1,755.59	5,883.90	2,946.32	12.94	-2.24	0.529
57.00	-30.63	-35.70	0.00	-2,362.20	0.00	2,362.20	3,497.59	1,748.79	5,829.34	2,919.00	13.41	-2.28	0.524
58.00	-30.31	-35.54	0.00	-2,326.50	0.00	2,326.50	3,483.94	1,741.97	5,774.94	2,891.76	13.89	-2.32	0.520
59.00	-29.99	-35.37	0.00	-2,290.96	0.00	2,290.96	3,470.24	1,735.12	5,720.69	2,864.60	14.38	-2.36	0.515
60.00	-29.67	-35.20	0.00	-2,255.60	0.00	2,255.60	3,456.48	1,728.24	5,666.60	2,837.51	14.88	-2.40	0.511
61.00	-29.35	-35.03	0.00	-2,220.40	0.00	2,220.40	3,442.66	1,721.33	5,612.67	2,810.51	15.39	-2.45	0.507
62.00	-29.03	-34.86	0.00	-2,185.37	0.00	2,185.37	3,428.79	1,714.39	5,558.89	2,783.58	15.91	-2.49	0.502
63.00	-28.71	-34.69	0.00	-2,150.51	0.00	2,150.51	3,414.86	1,707.43	5,505.28	2,756.73	16.44	-2.53	0.498
64.00	-28.39	-34.52	0.00	-2,115.83	0.00	2,115.83	3,400.87	1,700.44	5,451.82	2,729.96	16.97	-2.57	0.493
65.00	-28.08	-34.35	0.00	-2,081.31	0.00	2,081.31	3,386.83	1,693.41	5,398.53	2,703.28	17.51	-2.61	0.488
66.00	-27.76	-34.17	0.00	-2,046.97	0.00	2,046.97	3,372.72	1,686.36	5,345.41	2,676.68	18.07	-2.66	0.484
67.00	-27.45	-34.00	0.00	-2,012.79	0.00	2,012.79	3,358.57	1,679.28	5,292.45	2,650.16	18.63	-2.70	0.479
68.00	-27.14	-33.83	0.00	-1,978.79	0.00	1,978.79	3,344.35	1,672.18	5,239.65	2,623.72	19.20	-2.74	0.474
69.00	-26.83	-33.66	0.00	-1,944.96	0.00	1,944.96	3,330.08	1,665.04	5,187.03	2,597.37	19.78	-2.78	0.470
70.00	-26.52	-33.48	0.00	-1,911.30	0.00	1,911.30	3,315.75	1,657.87	5,134.58	2,571.11	20.36	-2.82	0.465
71.00	-26.21	-33.31	0.00	-1,877.82	0.00	1,877.82	3,301.36	1,650.68	5,082.30	2,544.93	20.96	-2.86	0.460
72.00	-25.90	-33.14	0.00	-1,844.51	0.00	1,844.51	3,286.92	1,643.46	5,030.20	2,518.84	21.56	-2.90	0.455
73.00	-25.59	-32.96	0.00	-1,811.37	0.00	1,811.37	3,272.42	1,636.21	4,978.27	2,492.84	22.18	-2.94	0.451
74.00	-25.29	-32.79	0.00	-1,778.41	0.00	1,778.41	3,257.86	1,628.93	4,926.52	2,466.92	22.80	-2.99	0.446
75.00	-24.98	-32.62	0.00	-1,745.62	0.00	1,745.62	3,242.30	1,621.15	4,873.54	2,440.39	23.43	-3.03	0.441
76.00	-24.68	-32.44	0.00	-1,713.01	0.00	1,713.01	3,222.90	1,611.45	4,815.08	2,411.12	24.07	-3.07	0.437
77.00	-24.38	-32.27	0.00	-1,680.57	0.00	1,680.57	3,203.49	1,601.75	4,756.98	2,382.03	24.71	-3.11	0.432
78.00	-24.08	-32.09	0.00	-1,648.30	0.00	1,648.30	3,184.09	1,592.04	4,699.23	2,353.11	25.37	-3.15	0.428
79.00	-23.78	-31.91	0.00	-1,616.21	0.00	1,616.21	3,164.68	1,582.34	4,641.84	2,324.37	26.03	-3.19	0.423
80.00	-23.33	-29.87	0.00	-1,584.30	0.00	1,584.30	3,145.28	1,572.64	4,584.79	2,295.80	26.70	-3.23	0.419
81.00	-23.04	-29.69	0.00	-1,554.43	0.00	1,554.43	3,125.87	1,562.94	4,528.10	2,267.42	27.38	-3.27	0.415
82.00	-22.74	-29.52	0.00	-1,524.73	0.00	1,524.73	3,106.47	1,553.24	4,471.77	2,239.21	28.07	-3.30	0.410
83.00	-22.45	-29.34	0.00	-1,495.22	0.00	1,495.22	3,087.07	1,543.53	4,415.78	2,211.17	28.77	-3.34	0.406
84.00	-22.16	-29.17	0.00	-1,465.87	0.00	1,465.87	3,067.66	1,533.83	4,360.15	2,183.32	29.47	-3.38	0.402
85.00	-21.87	-28.99	0.00	-1,436.71	0.00	1,436.71	3,048.26	1,524.13	4,304.87	2,155.63	30.18	-3.42	0.398
86.00	-21.58	-28.82	0.00	-1,407.72	0.00	1,407.72	3,028.85	1,514.43	4,249.94	2,128.13	30.91	-3.46	0.393
87.00	-21.29	-28.67	0.00	-1,378.90	0.00	1,378.90	3,009.45	1,504.72	4,195.37	2,100.80	31.63	-3.50	0.389
87.54	-21.13	-28.58	0.00	-1,363.42	0.00	1,363.42	2,998.97	1,499.48	4,166.05	2,086.12	32.03	-3.52	0.386
88.00	-20.95	-28.46	0.00	-1,350.27	0.00	1,350.27	2,990.04	1,495.02	4,141.15	2,073.65	32.37	-3.54	0.380
89.00	-20.56	-28.27	0.00	-1,321.81	0.00	1,321.81	2,970.64	1,485.32	4,087.28	2,046.68	33.12	-3.58	0.375
90.00	-20.17	-28.09	0.00	-1,293.54	0.00	1,293.54	2,951.23	1,475.62	4,033.76	2,019.88	33.87	-3.61	0.370
91.00	-19.78	-27.90	0.00	-1,265.45	0.00	1,265.45	2,931.83	1,465.91	3,980.60	1,993.26	34.63	-3.65	0.366
92.00	-19.40	-27.75	0.00	-1,237.55	0.00	1,237.55	2,912.42	1,456.21	3,927.79	1,966.81	35.40	-3.69	0.361
92.46	-19.23	-27.66	0.00	-1,224.88	0.00	1,224.88	2,412.07	1,206.04	3,317.78	1,661.36	35.75	-3.70	0.400
93.00	-19.08	-27.54	0.00	-1,209.84	0.00	1,209.84	2,405.85	1,202.93	3,297.34	1,651.12	36.17	-3.72	0.397
94.00	-18.81	-27.36	0.00	-1,182.30	0.00	1,182.30	2,394.36	1,197.18	3,259.83	1,632.34	36.96	-3.76	0.391
95.00	-18.55	-27.19	0.00	-1,154.94	0.00	1,154.94	2,382.81	1,191.41	3,222.46	1,613.62	37.75	-3.80	0.385
96.00	-17.89	-26.38	0.00	-1,127.76	0.00	1,127.76	2,371.21	1,185.60	3,185.22	1,594.98	38.55	-3.84	0.378
97.00	-17.63	-26.20	0.00	-1,101.38	0.00	1,101.38	2,359.55	1,179.77	3,148.11	1,576.40	39.36	-3.88	0.372
98.00	-17.37	-26.02	0.00	-1,075.18	0.00	1,075.18	2,347.83	1,173.91	3,111.14	1,557.88	40.17	-3.92	0.366
99.00	-17.12	-25.85	0.00	-1,049.16	0.00	1,049.16	2,336.05	1,168.03	3,074.31	1,539.44	41.00	-3.95	0.360
100.00	-16.86	-25.67	0.00	-1,023.32	0.00	1,023.32	2,324.22	1,162.11	3,037.61	1,521.06	41.83	-3.99	0.354
101.00	-16.60	-25.49	0.00	-997.65	0.00	997.65	2,312.33	1,156.16	3,001.06	1,502.76	42.67	-4.03	0.348
102.00	-16.35	-25.32	0.00	-972.15	0.00	972.15	2,300.38	1,150.19	2,964.65	1,484.53	43.52	-4.06	0.341
103.00	-16.09	-25.14	0.00	-946.84	0.00	946.84	2,288.38	1,144.19	2,928.39	1,466.37	44.37	-4.10	0.335

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:39 PM

Customer: AT&T Mobility

Load Case: 0.9D + 1.6W

93 mph with No Ice (Reduced DL)

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 0.90

Wind Load Factor : 1.60

104.00	-15.84	-25.00	0.00	-921.69	0.00	921.69	2,276.31	1,138.16	2,892.27	1,448.28	45.23	-4.13	0.329
104.50	-15.72	-24.91	0.00	-909.20	0.00	909.20	2,270.26	1,135.13	2,874.26	1,439.27	45.67	-4.15	0.326
104.50	-15.72	-24.91	0.00	-909.20	0.00	909.20	2,270.26	1,135.13	2,874.26	1,439.27	45.67	-4.15	0.639
105.00	-15.61	-24.80	0.00	-896.74	0.00	896.74	2,264.20	1,132.10	2,856.29	1,430.27	46.10	-4.17	0.634
106.00	-15.41	-24.64	0.00	-871.94	0.00	871.94	2,251.29	1,125.65	2,819.56	1,411.88	46.98	-4.24	0.625
107.00	-15.20	-24.47	0.00	-847.31	0.00	847.31	2,235.12	1,117.56	2,779.00	1,391.56	47.88	-4.31	0.616
108.00	-15.00	-24.31	0.00	-822.84	0.00	822.84	2,218.95	1,109.48	2,738.73	1,371.40	48.79	-4.38	0.607
109.00	-14.80	-24.15	0.00	-798.52	0.00	798.52	2,202.78	1,101.39	2,698.75	1,351.38	49.71	-4.44	0.598
110.00	-14.60	-23.99	0.00	-774.37	0.00	774.37	2,186.61	1,093.30	2,659.07	1,331.51	50.65	-4.51	0.589
111.00	-14.36	-23.37	0.00	-750.39	0.00	750.39	2,170.44	1,085.22	2,619.69	1,311.79	51.60	-4.58	0.579
112.00	-14.17	-23.21	0.00	-727.02	0.00	727.02	2,154.27	1,077.13	2,580.59	1,292.21	52.56	-4.64	0.570
113.00	-12.67	-20.86	0.00	-703.82	0.00	703.82	2,138.10	1,069.05	2,541.79	1,272.79	53.54	-4.71	0.559
114.00	-12.53	-20.70	0.00	-682.96	0.00	682.96	2,121.93	1,060.96	2,503.29	1,253.50	54.54	-4.77	0.551
115.00	-12.39	-20.54	0.00	-662.26	0.00	662.26	2,105.76	1,052.88	2,465.08	1,234.37	55.54	-4.84	0.543
116.00	-12.25	-20.38	0.00	-641.72	0.00	641.72	2,089.59	1,044.79	2,427.16	1,215.38	56.56	-4.90	0.534
117.00	-12.11	-20.22	0.00	-621.34	0.00	621.34	2,073.42	1,036.71	2,389.54	1,196.54	57.59	-4.96	0.525
118.00	-11.97	-20.07	0.00	-601.11	0.00	601.11	2,057.25	1,028.62	2,352.21	1,177.85	58.64	-5.02	0.517
119.00	-11.83	-19.91	0.00	-581.05	0.00	581.05	2,041.07	1,020.54	2,315.17	1,159.31	59.69	-5.09	0.507
120.00	-11.70	-19.75	0.00	-561.14	0.00	561.14	2,024.90	1,012.45	2,278.43	1,140.91	60.76	-5.15	0.498
121.00	-11.56	-19.60	0.00	-541.39	0.00	541.39	2,008.73	1,004.37	2,241.98	1,122.66	61.85	-5.21	0.488
122.00	-10.17	-15.80	0.00	-521.79	0.00	521.79	1,992.56	996.28	2,205.83	1,104.55	62.94	-5.27	0.478
123.00	-10.04	-15.73	0.00	-506.00	0.00	506.00	1,976.39	988.20	2,169.97	1,086.60	64.05	-5.33	0.471
124.00	-9.91	-15.66	0.00	-490.27	0.00	490.27	1,960.22	980.11	2,134.40	1,068.79	65.17	-5.38	0.464
125.00	-9.78	-15.60	0.00	-474.61	0.00	474.61	1,944.05	972.03	2,099.13	1,051.12	66.30	-5.44	0.457
126.00	-9.66	-15.53	0.00	-459.01	0.00	459.01	1,927.88	963.94	2,064.15	1,033.61	67.45	-5.50	0.449
127.00	-9.53	-15.46	0.00	-443.48	0.00	443.48	1,911.71	955.86	2,029.46	1,016.24	68.61	-5.56	0.442
128.00	-9.41	-15.40	0.00	-428.02	0.00	428.02	1,895.54	947.77	1,995.07	999.02	69.77	-5.61	0.434
129.00	-9.29	-15.33	0.00	-412.62	0.00	412.62	1,879.37	939.68	1,960.98	981.95	70.95	-5.67	0.425
130.00	-9.17	-15.26	0.00	-397.29	0.00	397.29	1,863.20	931.60	1,927.17	965.02	72.15	-5.73	0.417
131.00	-9.05	-15.20	0.00	-382.03	0.00	382.03	1,847.03	923.51	1,893.66	948.24	73.35	-5.78	0.408
132.00	-8.93	-15.16	0.00	-366.83	0.00	366.83	1,830.86	915.43	1,860.45	931.61	74.56	-5.83	0.399
132.12	-8.91	-15.13	0.00	-365.02	0.00	365.02	1,828.92	914.46	1,856.49	929.63	74.71	-5.84	0.398
133.00	-8.77	-15.06	0.00	-351.70	0.00	351.70	1,814.69	907.34	1,827.53	915.12	75.79	-5.89	0.389
134.00	-8.60	-14.99	0.00	-336.64	0.00	336.64	1,798.52	899.26	1,794.90	898.78	77.03	-5.94	0.380
135.00	-8.44	-14.92	0.00	-321.65	0.00	321.65	1,782.35	891.17	1,762.57	882.59	78.27	-5.99	0.369
135.87	-8.30	-14.88	0.00	-308.67	0.00	308.67	993.95	496.97	1,000.68	501.09	79.37	-6.03	0.625
136.00	-8.29	-14.85	0.00	-306.73	0.00	306.73	993.20	496.60	998.76	500.12	79.53	-6.04	0.623
137.00	-5.91	-10.62	0.00	-291.88	0.00	291.88	987.45	493.72	984.00	492.73	80.80	-6.12	0.599
138.00	-5.83	-10.56	0.00	-281.26	0.00	281.26	981.64	490.82	969.28	485.36	82.09	-6.19	0.586
139.00	-5.74	-10.50	0.00	-270.69	0.00	270.69	975.77	487.88	954.62	478.02	83.40	-6.27	0.573
140.00	-5.27	-9.84	0.00	-260.19	0.00	260.19	969.84	484.92	940.01	470.70	84.71	-6.34	0.559
141.00	-5.19	-9.77	0.00	-250.36	0.00	250.36	963.86	481.93	925.45	463.41	86.05	-6.42	0.546
142.00	-5.11	-9.71	0.00	-240.58	0.00	240.58	957.82	478.91	910.95	456.15	87.40	-6.49	0.533
143.00	-5.03	-9.65	0.00	-230.87	0.00	230.87	951.72	475.86	896.50	448.92	88.76	-6.56	0.520
144.00	-4.95	-9.59	0.00	-221.22	0.00	221.22	945.56	472.78	882.11	441.71	90.14	-6.63	0.506
145.00	-4.87	-9.53	0.00	-211.63	0.00	211.63	939.35	469.68	867.78	434.53	91.54	-6.70	0.493
146.00	-4.36	-7.69	0.00	-201.60	0.00	201.60	933.08	466.54	853.51	427.39	92.94	-6.77	0.477
147.00	-4.29	-7.63	0.00	-193.92	0.00	193.92	926.76	463.38	839.30	420.27	94.37	-6.84	0.466
148.00	-4.22	-7.57	0.00	-186.29	0.00	186.29	920.37	460.19	825.16	413.19	95.80	-6.91	0.456
149.00	-4.15	-7.51	0.00	-178.73	0.00	178.73	913.93	456.97	811.08	406.14	97.25	-6.97	0.445
150.00	-4.08	-7.45	0.00	-171.22	0.00	171.22	907.44	453.72	797.07	399.13	98.72	-7.04	0.434
151.00	-4.02	-7.39	0.00	-163.77	0.00	163.77	900.88	450.44	783.12	392.14	100.20	-7.10	0.422
152.00	-3.84	-7.10	0.00	-156.38	0.00	156.38	894.27	447.14	769.25	385.20	101.69	-7.17	0.411
153.00	-3.77	-7.04	0.00	-149.29	0.00	149.29	887.60	443.80	755.45	378.29	103.19	-7.23	0.399
154.00	-3.71	-6.98	0.00	-142.25	0.00	142.25	880.88	440.44	741.72	371.41	104.71	-7.29	0.387
155.00	-3.64	-6.92	0.00	-135.27	0.00	135.27	874.09	437.05	728.06	364.57	106.24	-7.35	0.375
156.00	-3.58	-6.87	0.00	-128.35	0.00	128.35	867.26	433.63	714.49	357.77	107.78	-7.41	0.363

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:40 PM

Customer: AT&T Mobility

Load Case: 0.9D + 1.6W

93 mph with No Ice (Reduced DL)

35 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 0.90

Wind Load Factor : 1.60

157.00	-3.52	-6.81	0.00	-121.48	0.00	121.48	860.36	430.18	700.99	351.01	109.34	-7.47	0.350
158.00	-3.45	-6.75	0.00	-114.67	0.00	114.67	853.41	426.70	687.57	344.29	110.90	-7.53	0.337
159.00	-3.39	-6.70	0.00	-107.92	0.00	107.92	846.39	423.20	674.23	337.61	112.48	-7.58	0.324
160.00	-3.33	-6.62	0.00	-101.23	0.00	101.23	839.33	419.66	660.97	330.98	114.07	-7.64	0.310
161.00	-3.28	-6.50	0.00	-94.61	0.00	94.61	832.20	416.10	647.80	324.38	115.67	-7.69	0.296
162.00	-3.23	-6.39	0.00	-88.11	0.00	88.11	825.02	412.51	634.71	317.83	117.28	-7.74	0.281
163.00	-2.27	-4.43	0.00	-81.72	0.00	81.72	817.78	408.89	621.71	311.32	118.91	-7.79	0.265
164.00	-2.23	-4.38	0.00	-77.29	0.00	77.29	810.15	405.07	608.54	304.72	120.54	-7.84	0.256
165.00	-2.18	-4.32	0.00	-72.91	0.00	72.91	800.44	400.22	593.98	297.43	122.18	-7.88	0.248
166.00	-2.13	-4.27	0.00	-68.59	0.00	68.59	790.74	395.37	579.60	290.23	123.83	-7.93	0.239
167.00	-2.09	-4.22	0.00	-64.32	0.00	64.32	781.04	390.52	565.39	283.11	125.49	-7.97	0.230
168.00	-2.04	-4.16	0.00	-60.10	0.00	60.10	771.34	385.67	551.35	276.09	127.16	-8.01	0.220
169.00	-2.00	-4.11	0.00	-55.94	0.00	55.94	761.63	380.82	537.50	269.15	128.84	-8.06	0.211
170.00	-1.95	-4.06	0.00	-51.83	0.00	51.83	751.93	375.97	523.82	262.30	130.52	-8.10	0.200
171.00	-1.91	-4.01	0.00	-47.77	0.00	47.77	742.23	371.11	510.32	255.54	132.22	-8.13	0.190
172.00	-1.87	-3.96	0.00	-43.76	0.00	43.76	732.53	366.26	496.99	248.86	133.92	-8.17	0.178
173.00	-1.83	-3.91	0.00	-39.80	0.00	39.80	722.82	361.41	483.84	242.28	135.63	-8.21	0.167
174.00	-1.78	-3.86	0.00	-35.88	0.00	35.88	713.12	356.56	470.86	235.78	137.34	-8.24	0.155
175.00	-1.74	-3.81	0.00	-32.02	0.00	32.02	703.42	351.71	458.07	229.37	139.07	-8.27	0.142
176.00	-1.70	-3.76	0.00	-28.21	0.00	28.21	693.72	346.86	445.44	223.05	140.80	-8.30	0.129
177.00	-1.66	-3.72	0.00	-24.45	0.00	24.45	684.02	342.01	433.00	216.82	142.53	-8.32	0.115
178.00	-1.62	-3.67	0.00	-20.73	0.00	20.73	674.31	337.16	420.73	210.68	144.27	-8.35	0.101
179.00	-1.58	-3.62	0.00	-17.07	0.00	17.07	664.61	332.31	408.64	204.62	146.01	-8.37	0.086
180.00	0.00	-3.35	0.00	-13.44	0.00	13.44	654.91	327.45	396.72	198.65	147.76	-8.38	0.068

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:40 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.0Di + 1.0Wi

40 mph with 1.00 in Radial Ice

34 Iterations

Gust Response Factor : 1.10

Ice Dead Load Factor : 1.00

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Ice Importance Factor : 1.25

Wind Load Factor : 1.00

Shaft Segment Forces (Factored)

Seg Top			Ice					Wind		Dead	Tot Dead			
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Force X (lb)	Load Ice (lb)	Load (lb)
0.00		1.00	0.70	2.724	2.996	0.000	1.200	0.000	0.00	0.000	0.00	8.5	0.0	0.0
1.00		1.00	0.70	2.724	2.996	0.000	1.200	* 1.644	1.00	4.728	5.67	17.0	111.6	407.6
2.00		1.00	0.70	2.724	2.996	0.000	1.200	* 1.835	1.00	4.742	5.69	17.0	124.5	419.2
3.00		1.00	0.70	2.724	2.996	0.000	1.200	* 1.931	1.00	4.739	5.69	17.0	130.7	424.2
4.00		1.00	0.70	2.724	2.996	0.000	1.200	* 1.998	1.00	4.732	5.68	17.0	134.8	427.0
5.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.048	1.00	4.721	5.67	17.0	137.8	428.8
6.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.090	1.00	4.710	5.65	16.9	140.1	429.9
7.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.125	1.00	4.697	5.64	16.9	142.0	430.5
8.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.156	1.00	4.684	5.62	16.8	143.5	430.8
9.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.183	1.00	4.670	5.60	16.8	144.8	430.8
10.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.207	1.00	4.655	5.59	16.7	145.9	430.7
11.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.230	1.00	4.640	5.57	16.7	146.8	430.3
12.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.250	1.00	4.625	5.55	16.6	147.6	429.9
13.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.269	1.00	4.610	5.53	16.5	148.2	429.3
14.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.286	1.00	4.594	5.51	16.5	148.8	428.6
15.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.303	1.00	4.578	5.49	16.4	149.3	427.9
16.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.318	1.00	4.562	5.47	16.4	149.7	427.0
17.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.333	1.00	4.546	5.46	16.3	150.0	426.1
18.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.346	1.00	4.530	5.44	16.3	150.3	425.1
19.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.359	1.00	4.513	5.42	16.2	150.5	424.1
20.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.372	1.00	4.497	5.40	16.1	150.7	423.1
21.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.384	1.00	4.480	5.38	16.1	150.8	421.9
22.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.395	1.00	4.464	5.36	16.0	150.9	420.8
23.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.406	1.00	4.447	5.34	16.0	151.0	419.6
24.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.417	1.00	4.430	5.32	15.9	151.0	418.4
25.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.427	1.00	4.413	5.30	15.8	151.0	417.1
26.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.436	1.00	4.396	5.28	15.8	151.0	415.9
27.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.446	1.00	4.379	5.26	15.7	150.9	414.6
28.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.455	1.00	4.362	5.23	15.7	150.8	413.2
29.00		1.00	0.70	2.724	2.996	0.000	1.200	* 2.464	1.00	4.345	5.21	15.6	150.7	411.9
30.00	Appertunance(s)	1.00	0.70	2.724	2.996	0.000	1.200	* 2.472	1.00	4.328	5.19	15.6	150.6	410.5
31.00		1.00	0.70	2.739	3.013	0.000	1.200	* 2.480	1.00	4.311	5.17	15.6	150.4	409.1
32.00		1.00	0.71	2.764	3.041	0.000	1.200	* 2.488	1.00	4.293	5.15	15.7	150.3	407.7
33.00		1.00	0.71	2.789	3.068	0.000	1.200	* 2.496	1.00	4.276	5.13	15.8	150.1	406.2
34.00		1.00	0.72	2.813	3.095	0.000	1.200	* 2.504	1.00	4.259	5.11	15.9	149.9	404.8
35.00		1.00	0.72	2.837	3.121	0.000	1.200	* 2.511	1.00	4.242	5.09	15.9	149.6	403.3
36.00		1.00	0.73	2.860	3.147	0.000	1.200	* 2.518	1.00	4.224	5.07	16.0	149.4	401.8
37.00		1.00	0.74	2.883	3.172	0.000	1.200	* 2.525	1.00	4.207	5.05	16.0	149.1	400.3
38.00		1.00	0.74	2.906	3.196	0.000	1.200	* 2.532	1.00	4.189	5.03	16.1	148.9	398.8
39.00		1.00	0.75	2.928	3.220	0.000	1.200	* 2.539	1.00	4.172	5.01	16.1	148.6	397.3
40.00		1.00	0.75	2.949	3.244	0.000	1.200	* 2.545	1.00	4.154	4.99	16.2	148.3	395.7
41.00		1.00	0.76	2.970	3.267	0.000	1.200	* 2.552	1.00	4.137	4.96	16.2	148.0	394.2
42.00		1.00	0.76	2.991	3.290	0.000	1.200	* 2.558	1.00	4.119	4.94	15.9	147.6	392.6
42.96	Bot - Section 2	1.00	0.77	3.011	3.312	0.000	1.200	* 2.564	0.96	3.924	4.71	8.2	140.9	374.1
43.00		1.00	0.77	3.021	3.323	0.000	1.200	* 2.567	0.04	0.181	0.22	8.7	6.5	26.3
44.00		1.00	0.77	3.031	3.335	0.000	1.200	* 2.570	1.00	4.148	4.98	16.6	149.4	603.7
45.00		1.00	0.78	3.051	3.356	0.000	1.200	* 2.576	1.00	4.130	4.96	16.7	149.0	601.0
46.00		1.00	0.78	3.071	3.378	0.000	1.200	* 2.582	1.00	4.112	4.93	16.7	148.7	598.3
47.00		1.00	0.79	3.090	3.399	0.000	1.200	* 2.587	1.00	4.095	4.91	16.7	148.3	595.6
48.00		1.00	0.79	3.109	3.419	0.000	1.200	* 2.593	1.00	4.077	4.89	16.7	147.9	593.0
49.00		1.00	0.80	3.127	3.440	0.000	1.200	* 2.598	1.00	4.060	4.87	8.7	147.5	590.3

Load Case: 1.2D + 1.0Di + 1.0Wi	40 mph with 1.00 in Radial Ice	34 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.25
Wind Load Factor : 1.00		

49.04	Top - Section 1	1.00	0.80	3.137	3.450	0.000	1.200	* 2.601	0.04	0.162	0.19	8.4	5.9	23.5
50.00		1.00	0.80	3.146	3.460	0.000	1.200	* 2.604	0.96	3.880	4.66	16.5	141.3	338.4
51.00		1.00	0.81	3.164	3.480	0.000	1.200	* 2.609	1.00	4.024	4.83	16.8	146.7	351.1
52.00		1.00	0.81	3.181	3.499	0.000	1.200	* 2.614	1.00	4.006	4.81	16.8	146.3	349.6
53.00		1.00	0.82	3.199	3.519	0.000	1.200	* 2.619	1.00	3.989	4.79	16.8	145.9	348.1
54.00		1.00	0.82	3.216	3.538	0.000	1.200	* 2.624	1.00	3.971	4.77	16.9	145.5	346.6
55.00		1.00	0.83	3.233	3.556	0.000	1.200	* 2.629	1.00	3.953	4.74	16.9	145.0	345.1
56.00		1.00	0.83	3.250	3.575	0.000	1.200	* 2.633	1.00	3.935	4.72	16.9	144.6	343.6
57.00		1.00	0.83	3.267	3.593	0.000	1.200	* 2.638	1.00	3.918	4.70	16.9	144.1	342.1
58.00		1.00	0.84	3.283	3.611	0.000	1.200	* 2.643	1.00	3.900	4.68	16.9	143.7	340.5
59.00		1.00	0.84	3.299	3.629	0.000	1.200	* 2.647	1.00	3.882	4.66	16.9	143.2	339.0
60.00		1.00	0.85	3.315	3.647	0.000	1.200	* 2.652	1.00	3.864	4.64	16.9	142.7	337.5
61.00		1.00	0.85	3.331	3.664	0.000	1.200	* 2.656	1.00	3.846	4.62	16.9	142.3	335.9
62.00		1.00	0.86	3.347	3.681	0.000	1.200	* 2.661	1.00	3.829	4.59	16.9	141.8	334.4
63.00		1.00	0.86	3.362	3.698	0.000	1.200	* 2.665	1.00	3.811	4.57	16.9	141.3	332.8
64.00		1.00	0.86	3.377	3.715	0.000	1.200	* 2.669	1.00	3.793	4.55	16.9	140.8	331.2
65.00		1.00	0.87	3.393	3.732	0.000	1.200	* 2.673	1.00	3.775	4.53	16.9	140.3	329.7
66.00		1.00	0.87	3.408	3.748	0.000	1.200	* 2.677	1.00	3.757	4.51	16.9	139.8	328.1
67.00		1.00	0.88	3.422	3.765	0.000	1.200	* 2.681	1.00	3.739	4.49	16.9	139.3	326.5
68.00		1.00	0.88	3.437	3.781	0.000	1.200	* 2.685	1.00	3.721	4.47	16.9	138.7	324.9
69.00		1.00	0.88	3.451	3.797	0.000	1.200	* 2.689	1.00	3.703	4.44	16.9	138.2	323.4
70.00		1.00	0.89	3.466	3.812	0.000	1.200	* 2.693	1.00	3.685	4.42	16.9	137.7	321.8
71.00		1.00	0.89	3.480	3.828	0.000	1.200	* 2.697	1.00	3.668	4.40	16.8	137.2	320.2
72.00		1.00	0.89	3.494	3.843	0.000	1.200	* 2.701	1.00	3.650	4.38	16.8	136.6	318.6
73.00		1.00	0.90	3.508	3.859	0.000	1.200	* 2.705	1.00	3.632	4.36	16.8	136.1	317.0
74.00		1.00	0.90	3.522	3.874	0.000	1.200	* 2.708	1.00	3.614	4.34	16.8	135.5	315.3
75.00		1.00	0.90	3.535	3.889	0.000	1.200	* 2.712	1.00	3.596	4.31	16.8	135.0	313.7
76.00		1.00	0.91	3.549	3.904	0.000	1.200	* 2.716	1.00	3.578	4.29	16.7	134.4	312.1
77.00		1.00	0.91	3.562	3.918	0.000	1.200	* 2.719	1.00	3.560	4.27	16.7	133.9	310.5
78.00		1.00	0.91	3.575	3.933	0.000	1.200	* 2.723	1.00	3.542	4.25	16.7	133.3	308.8
79.00	Appertunance(s)	1.00	0.92	3.588	3.947	0.000	1.200	* 2.726	1.00	3.524	4.23	16.7	132.7	307.2
80.00	Appertunance(s)	1.00	0.92	3.601	3.962	0.000	1.200	* 2.730	1.00	3.506	4.21	16.7	132.2	305.6
81.00		1.00	0.92	3.614	3.976	0.000	1.200	* 2.733	1.00	3.488	4.19	16.6	131.6	303.9
82.00		1.00	0.93	3.627	3.990	0.000	1.200	* 2.737	1.00	3.470	4.16	16.6	131.0	302.3
83.00		1.00	0.93	3.640	4.004	0.000	1.200	* 2.740	1.00	3.452	4.14	16.6	130.4	300.6
84.00		1.00	0.93	3.652	4.018	0.000	1.200	* 2.743	1.00	3.434	4.12	16.5	129.9	299.0
85.00		1.00	0.94	3.665	4.031	0.000	1.200	* 2.746	1.00	3.416	4.10	16.5	129.3	297.3
86.00		1.00	0.94	3.677	4.045	0.000	1.200	* 2.750	1.00	3.398	4.08	16.5	128.7	295.7
87.00		1.00	0.94	3.689	4.058	0.000	1.200	* 2.753	1.00	3.380	4.06	12.7	128.1	294.0
87.54	Bot - Section 3	1.00	0.95	3.699	4.069	0.000	1.200	* 2.755	0.54	1.817	2.18	8.3	69.0	158.1
88.00		1.00	0.95	3.705	4.075	0.000	1.200	* 2.757	0.46	1.569	1.88	12.2	59.7	199.8
89.00		1.00	0.95	3.713	4.085	0.000	1.200	* 2.759	1.00	3.396	4.08	16.6	129.0	432.1
90.00		1.00	0.95	3.725	4.098	0.000	1.200	* 2.762	1.00	3.378	4.05	16.6	128.4	429.6
91.00		1.00	0.96	3.737	4.111	0.000	1.200	* 2.765	1.00	3.360	4.03	16.6	127.8	427.0
92.00		1.00	0.96	3.749	4.124	0.000	1.200	* 2.768	1.00	3.342	4.01	12.0	127.2	424.4
92.46	Top - Section 2	1.00	0.96	3.758	4.133	0.000	1.200	* 2.771	0.46	1.520	1.82	8.3	58.0	193.0
93.00		1.00	0.96	3.763	4.140	0.000	1.200	* 2.772	0.54	1.804	2.17	12.7	68.8	142.5
94.00		1.00	0.96	3.772	4.149	0.000	1.200	* 2.774	1.00	3.306	3.97	16.4	126.0	260.8
95.00		1.00	0.97	3.784	4.162	0.000	1.200	* 2.777	1.00	3.288	3.95	16.4	125.4	259.3
96.00	Appertunance(s)	1.00	0.97	3.795	4.175	0.000	1.200	* 2.780	1.00	3.270	3.92	16.4	124.7	257.8
97.00		1.00	0.97	3.806	4.187	0.000	1.200	* 2.783	1.00	3.252	3.90	16.3	124.1	256.3
98.00		1.00	0.98	3.818	4.199	0.000	1.200	* 2.786	1.00	3.234	3.88	16.3	123.5	254.8
99.00		1.00	0.98	3.829	4.212	0.000	1.200	* 2.789	1.00	3.216	3.86	16.2	122.9	253.3
100.0		1.00	0.98	3.840	4.224	0.000	1.200	* 2.792	1.00	3.198	3.84	16.2	122.2	251.7
101.0		1.00	0.99	3.851	4.236	0.000	1.200	* 2.795	1.00	3.180	3.82	16.1	121.6	250.2
102.0		1.00	0.99	3.862	4.248	0.000	1.200	* 2.797	1.00	3.161	3.79	16.1	120.9	248.7
103.0		1.00	0.99	3.873	4.260	0.000	1.200	* 2.800	1.00	3.143	3.77	16.0	120.3	247.1

Load Case: 1.2D + 1.0Di + 1.0Wi	40 mph with 1.00 in Radial Ice										34 Iterations			
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00										Wind Importance Factor : 1.00			
Dead Load Factor : 1.20											Ice Importance Factor : 1.25			
Wind Load Factor : 1.00														

104.0		1.00	0.99	3.883	4.272	0.000	1.200	*	2.803	1.00	3.125	3.75	12.0	119.7	245.6
104.5	Reinf. Top	1.00	1.00	3.891	4.281	0.000	1.200	*	2.805	0.50	1.556	1.87	8.0	59.7	122.3
105.0		1.00	1.00	3.897	4.286	0.000	1.200	*	2.806	0.50	1.551	1.86	12.0	59.5	121.9
106.0		1.00	1.00	3.905	4.295	0.000	1.200	*	2.808	1.00	3.089	3.71	15.9	118.4	242.5
107.0		1.00	1.00	3.915	4.307	0.000	1.200	*	2.811	1.00	3.071	3.69	15.8	117.7	241.0
108.0		1.00	1.00	3.926	4.318	0.000	1.200	*	2.813	1.00	3.053	3.66	15.8	117.1	239.5
109.0		1.00	1.01	3.936	4.330	0.000	1.200	*	2.816	1.00	3.035	3.64	15.7	116.4	237.9
110.0		1.00	1.01	3.946	4.341	0.000	1.200	*	2.819	1.00	3.016	3.62	15.7	115.7	236.4
111.0	Appertunance(s)	1.00	1.01	3.957	4.352	0.000	1.200	*	2.821	1.00	2.998	3.60	15.6	115.1	234.8
112.0		1.00	1.01	3.967	4.364	0.000	1.200	*	2.824	1.00	2.980	3.58	15.6	114.4	233.3
113.0	Appertunance(s)	1.00	1.02	3.977	4.375	0.000	1.200	*	2.826	1.00	2.962	3.55	15.5	113.7	231.7
114.0		1.00	1.02	3.987	4.386	0.000	1.200	*	2.829	1.00	2.944	3.53	15.5	113.1	230.1
115.0		1.00	1.02	3.997	4.397	0.000	1.200	*	2.831	1.00	2.926	3.51	15.4	112.4	228.6
116.0		1.00	1.03	4.007	4.408	0.000	1.200	*	2.834	1.00	2.908	3.49	15.3	111.7	227.0
117.0		1.00	1.03	4.017	4.419	0.000	1.200	*	2.836	1.00	2.889	3.47	15.3	111.1	225.5
118.0		1.00	1.03	4.027	4.429	0.000	1.200	*	2.839	1.00	2.871	3.45	15.2	110.4	223.9
119.0		1.00	1.03	4.036	4.440	0.000	1.200	*	2.841	1.00	2.853	3.42	15.2	109.7	222.3
120.0		1.00	1.04	4.046	4.451	0.000	1.200	*	2.843	1.00	2.835	3.40	15.1	109.0	220.8
121.0		1.00	1.04	4.056	4.461	0.000	1.200	*	2.846	1.00	2.817	3.38	15.0	108.3	219.2
122.0	Appertunance(s)	1.00	1.04	4.065	4.472	0.000	1.200	*	2.848	1.00	2.799	3.36	15.0	107.6	217.6
123.0		1.00	1.04	4.075	4.482	0.000	1.200	*	2.850	1.00	2.780	3.34	14.9	107.0	216.0
124.0		1.00	1.05	4.084	4.493	0.000	1.200	*	2.853	1.00	2.762	3.31	14.9	106.3	214.5
125.0		1.00	1.05	4.094	4.503	0.000	1.200	*	2.855	1.00	2.744	3.29	14.8	105.6	212.9
126.0		1.00	1.05	4.103	4.514	0.000	1.200	*	2.857	1.00	2.726	3.27	14.7	104.9	211.3
127.0		1.00	1.05	4.113	4.524	0.000	1.200	*	2.860	1.00	2.708	3.25	14.7	104.2	209.7
128.0		1.00	1.05	4.122	4.534	0.000	1.200	*	2.862	1.00	2.689	3.23	14.6	103.5	208.1
129.0		1.00	1.06	4.131	4.544	0.000	1.200	*	2.864	1.00	2.671	3.21	14.5	102.8	206.5
130.0		1.00	1.06	4.140	4.554	0.000	1.200	*	2.866	1.00	2.653	3.18	14.5	102.1	204.9
131.0		1.00	1.06	4.149	4.564	0.000	1.200	*	2.868	1.00	2.635	3.16	14.4	101.4	203.4
132.0		1.00	1.06	4.158	4.574	0.000	1.200	*	2.871	1.00	2.617	3.14	8.0	100.7	201.8
132.1	Bot - Section 4	1.00	1.07	4.163	4.580	0.000	1.200	*	2.872	0.12	0.312	0.37	7.2	12.1	24.1
133.0		1.00	1.07	4.168	4.585	0.000	1.200	*	2.873	0.88	2.314	2.78	13.6	89.2	231.3
134.0		1.00	1.07	4.176	4.594	0.000	1.200	*	2.875	1.00	2.612	3.13	14.4	100.6	260.7
135.0		1.00	1.07	4.185	4.604	0.000	1.200	*	2.877	1.00	2.594	3.11	13.4	99.9	258.6
135.8	Top - Section 3	1.00	1.07	4.194	4.613	0.000	1.200	*	2.879	0.87	2.241	2.69	7.1	86.4	223.2
136.0		1.00	1.07	4.198	4.618	0.000	1.200	*	2.880	0.13	0.334	0.40	8.0	12.9	20.7
137.0	Appertunance(s)	1.00	1.08	4.203	4.623	0.000	1.200	*	2.881	1.00	2.557	3.07	14.2	98.5	157.7
138.0		1.00	1.08	4.212	4.633	0.000	1.200	*	2.883	1.00	2.539	3.05	14.1	97.8	156.4
139.0		1.00	1.08	4.220	4.642	0.000	1.200	*	2.886	1.00	2.521	3.03	14.0	97.1	155.2
140.0	Appertunance(s)	1.00	1.08	4.229	4.652	0.000	1.200	*	2.888	1.00	2.503	3.00	13.9	96.3	153.9
141.0		1.00	1.08	4.238	4.662	0.000	1.200	*	2.890	1.00	2.484	2.98	13.9	95.6	152.7
142.0		1.00	1.09	4.246	4.671	0.000	1.200	*	2.892	1.00	2.466	2.96	13.8	94.9	151.4
143.0		1.00	1.09	4.255	4.680	0.000	1.200	*	2.894	1.00	2.448	2.94	13.7	94.2	150.2
144.0		1.00	1.09	4.263	4.690	0.000	1.200	*	2.896	1.00	2.430	2.92	13.6	93.5	148.9
145.0		1.00	1.09	4.272	4.699	0.000	1.200	*	2.898	1.00	2.411	2.89	13.6	92.7	147.7
146.0	Appertunance(s)	1.00	1.10	4.280	4.708	0.000	1.200	*	2.900	1.00	2.393	2.87	13.5	92.0	146.4
147.0		1.00	1.10	4.289	4.718	0.000	1.200	*	2.902	1.00	2.375	2.85	13.4	91.3	145.1
148.0		1.00	1.10	4.297	4.727	0.000	1.200	*	2.904	1.00	2.357	2.83	13.3	90.6	143.9
149.0		1.00	1.10	4.305	4.736	0.000	1.200	*	2.906	1.00	2.339	2.81	13.3	89.8	142.6
150.0		1.00	1.10	4.314	4.745	0.000	1.200	*	2.908	1.00	2.320	2.78	13.2	89.1	141.4
151.0		1.00	1.11	4.322	4.754	0.000	1.200	*	2.910	1.00	2.302	2.76	13.1	88.4	140.1
152.0	Appertunance(s)	1.00	1.11	4.330	4.763	0.000	1.200	*	2.912	1.00	2.284	2.74	13.0	87.6	138.8
153.0		1.00	1.11	4.338	4.772	0.000	1.200	*	2.914	1.00	2.266	2.72	12.9	86.9	137.5
154.0		1.00	1.11	4.346	4.781	0.000	1.200	*	2.915	1.00	2.247	2.70	12.9	86.1	136.3
155.0		1.00	1.11	4.354	4.790	0.000	1.200	*	2.917	1.00	2.229	2.67	12.8	85.4	135.0
156.0		1.00	1.12	4.362	4.799	0.000	1.200	*	2.919	1.00	2.211	2.65	12.7	84.7	133.7
157.0		1.00	1.12	4.370	4.807	0.000	1.200	*	2.921	1.00	2.193	2.63	12.6	83.9	132.5

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:41 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.0Di + 1.0Wi	40 mph with 1.00 in Radial Ice	34 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.25
Wind Load Factor : 1.00		

158.0		1.00	1.12	4.378	4.816	0.000	1.200	*	2.923	1.00	2.174	2.61	12.5	83.2	131.2
159.0		1.00	1.12	4.386	4.825	0.000	1.200	*	2.925	1.00	2.156	2.59	12.4	82.4	129.9
160.0		1.00	1.12	4.394	4.834	0.000	1.200	*	2.927	1.00	2.138	2.57	12.4	81.7	128.6
161.0		1.00	1.13	4.402	4.842	0.000	1.200	*	2.928	1.00	2.119	2.54	12.3	80.9	127.3
162.0		1.00	1.13	4.410	4.851	0.000	1.200	*	2.930	1.00	2.101	2.52	12.2	80.2	126.1
163.0	Appertunance(s)	1.00	1.13	4.418	4.859	0.000	1.200	*	2.932	1.00	2.083	2.50	12.1	79.4	124.8
164.0		1.00	1.13	4.425	4.868	0.000	1.200		2.934	1.00	2.065	2.48	12.0	78.7	123.5
165.0		1.00	1.13	4.433	4.876	0.000	1.200		2.936	1.00	2.046	2.46	11.9	77.9	122.2
166.0		1.00	1.14	4.441	4.885	0.000	1.200		2.937	1.00	2.028	2.43	11.8	77.2	120.9
167.0		1.00	1.14	4.448	4.893	0.000	1.200		2.939	1.00	2.010	2.41	11.8	76.4	119.6
168.0		1.00	1.14	4.456	4.902	0.000	1.200		2.941	1.00	1.992	2.39	11.7	75.7	118.3
169.0		1.00	1.14	4.464	4.910	0.000	1.200		2.943	1.00	1.973	2.37	11.6	74.9	117.0
170.0		1.00	1.14	4.471	4.918	0.000	1.200		2.944	1.00	1.955	2.35	11.5	74.2	115.7
171.0		1.00	1.15	4.479	4.927	0.000	1.200		2.946	1.00	1.937	2.32	11.4	73.4	114.5
172.0		1.00	1.15	4.486	4.935	0.000	1.200		2.948	1.00	1.918	2.30	11.3	72.6	113.2
173.0		1.00	1.15	4.494	4.943	0.000	1.200		2.950	1.00	1.900	2.28	11.2	71.9	111.9
174.0		1.00	1.15	4.501	4.951	0.000	1.200		2.951	1.00	1.882	2.26	11.1	71.1	110.6
175.0		1.00	1.15	4.508	4.959	0.000	1.200		2.953	1.00	1.864	2.24	11.0	70.3	109.3
176.0		1.00	1.16	4.516	4.967	0.000	1.200		2.955	1.00	1.845	2.21	11.0	69.6	108.0
177.0		1.00	1.16	4.523	4.975	0.000	1.200		2.956	1.00	1.827	2.19	10.9	68.8	106.7
178.0		1.00	1.16	4.530	4.983	0.000	1.200		2.958	1.00	1.809	2.17	10.8	68.0	105.4
179.0		1.00	1.16	4.538	4.992	0.000	1.200		2.960	1.00	1.790	2.15	10.7	67.3	104.1
180.0	Appertunance(s)	1.00	1.16	4.545	4.999	0.000	1.200		2.961	1.00	1.772	2.13	5.3	66.5	102.8
* = Cf Adjusted By Linear Load Ra Effect										Totals:	180.00		2,748.5	21,674.0	51,999.3

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:57 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.0Di + 1.0Wi	40 mph with 1.00 in Radial Ice				34 Iterations			
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00				Wind Importance Factor : 1.00			
Dead Load Factor : 1.20					Ice Importance Factor : 1.25			
Wind Load Factor : 1.00								

48.00		16.7	593.0					6.5	445.8	23.2	1,038.8	0.0	0.0
49.00		8.7	590.3					6.6	446.4	15.3	1,036.6	0.0	0.0
49.04	Top - Section 1	8.4	23.5					0.3	17.8	8.7	41.3	0.0	0.0
50.00		16.5	338.4					0.0	429.1	16.5	767.5	0.0	0.0
51.00		16.8	351.1					6.6	447.4	23.5	798.5	0.0	0.0
52.00		16.8	349.6					6.7	447.9	23.5	797.5	0.0	0.0
53.00		16.8	348.1					6.7	448.4	23.6	796.5	0.0	0.0
54.00		16.9	346.6					6.8	448.9	23.6	795.5	0.0	0.0
55.00		16.9	345.1					6.8	449.4	23.7	794.5	0.0	0.0
56.00		16.9	343.6					6.9	449.9	23.7	793.5	0.0	0.0
57.00		16.9	342.1					6.9	450.4	23.8	792.4	0.0	0.0
58.00		16.9	340.5					6.9	450.8	23.8	791.4	0.0	0.0
59.00		16.9	339.0					7.0	451.3	23.9	790.3	0.0	0.0
60.00		16.9	337.5					7.0	451.7	23.9	789.2	0.0	0.0
61.00		16.9	335.9					7.1	452.2	24.0	788.1	0.0	0.0
62.00		16.9	334.4					7.1	452.6	24.0	787.0	0.0	0.0
63.00		16.9	332.8					7.1	453.0	24.1	785.9	0.0	0.0
64.00		16.9	331.2					7.2	453.5	24.1	784.7	0.0	0.0
65.00		16.9	329.7					7.2	453.9	24.1	783.6	0.0	0.0
66.00		16.9	328.1					7.3	454.3	24.2	782.4	0.0	0.0
67.00		16.9	326.5					7.3	454.7	24.2	781.2	0.0	0.0
68.00		16.9	324.9					7.3	455.1	24.2	780.1	0.0	0.0
69.00		16.9	323.4					7.4	455.5	24.2	778.9	0.0	0.0
70.00		16.9	321.8					7.4	455.9	24.3	777.7	0.0	0.0
71.00		16.8	320.2					7.4	456.3	24.3	776.5	0.0	0.0
72.00		16.8	318.6					7.5	456.7	24.3	775.2	0.0	0.0
73.00		16.8	317.0					7.5	457.1	24.3	774.0	0.0	0.0
74.00		16.8	315.3					7.5	457.4	24.3	772.8	0.0	0.0
75.00		16.8	313.7					7.6	457.8	24.4	771.5	0.0	0.0
76.00		16.7	312.1					7.6	458.2	24.4	770.3	0.0	0.0
77.00		16.7	310.5					7.7	458.5	24.4	769.0	0.0	0.0
78.00		16.7	308.8					7.7	458.9	24.4	767.7	0.0	0.0
79.00	Appertunance(s)	16.7	307.2	2.0	0.0	0.0	24.4	7.7	459.2	26.4	790.9	0.0	0.0
80.00	Appertunance(s)	16.7	305.6	215.3	0.0	0.0	938.7	7.8	459.4	239.7	1,703.6	0.0	0.0
81.00		16.6	303.9					7.8	459.1	24.4	763.1	0.0	0.0
82.00		16.6	302.3					7.8	459.5	24.4	761.8	0.0	0.0
83.00		16.6	300.6					7.9	459.8	24.4	760.5	0.0	0.0
84.00		16.5	299.0					7.9	460.2	24.4	759.1	0.0	0.0
85.00		16.5	297.3					7.9	460.5	24.4	757.8	0.0	0.0
86.00		16.5	295.7					7.9	460.8	24.4	756.5	0.0	0.0
87.00		12.7	294.0					8.0	461.1	20.6	755.2	0.0	0.0
87.54	Bot - Section 3	8.3	158.1					4.3	249.1	12.6	407.2	0.0	0.0
88.00		12.2	199.8					3.7	212.4	15.8	412.1	0.0	0.0
89.00		16.6	432.1					8.0	461.8	24.7	893.9	0.0	0.0
90.00		16.6	429.6					8.1	462.1	24.7	891.7	0.0	0.0
91.00		16.6	427.0					8.1	462.4	24.7	889.4	0.0	0.0
92.00		12.0	424.4					8.1	462.7	20.2	887.2	0.0	0.0
92.46	Top - Section 2	8.3	193.0					3.7	211.4	12.0	404.4	0.0	0.0
93.00		12.7	142.5					4.4	251.7	17.2	394.1	0.0	0.0
94.00		16.4	260.8					8.2	463.3	24.6	724.1	0.0	0.0
95.00		16.4	259.3					8.2	463.6	24.6	722.9	0.0	0.0
96.00	Appertunance(s)	16.4	257.8	111.1	0.0	-44.4	975.4	8.3	463.9	135.7	1,697.1	0.0	0.0
97.00		16.3	256.3					8.3	463.2	24.6	719.5	0.0	0.0
98.00		16.3	254.8					8.3	463.5	24.6	718.3	0.0	0.0
99.00		16.2	253.3					8.3	463.8	24.6	717.1	0.0	0.0
100.00		16.2	251.7					8.4	464.1	24.6	715.8	0.0	0.0
101.00		16.1	250.2					8.4	464.4	24.5	714.6	0.0	0.0

Load Case: 1.2D + 1.0Di + 1.0Wi	40 mph with 1.00 in Radial Ice						34 Iterations	
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00						Wind Importance Factor : 1.00	
Dead Load Factor : 1.20							Ice Importance Factor : 1.25	
Wind Load Factor : 1.00								

102.00		16.1	248.7					8.4	464.7	24.5	713.4	0.0	0.0
103.00		16.0	247.1					8.5	465.0	24.5	712.1	0.0	0.0
104.00		12.0	245.6					8.5	465.2	20.5	710.9	0.0	0.0
104.50	Reinf. Top	8.0	122.3					4.3	232.7	12.2	355.1	0.0	0.0
105.00		12.0	121.9					4.3	192.7	16.2	314.7	0.0	0.0
106.00		15.9	242.5					8.5	385.6	24.4	628.2	0.0	0.0
107.00		15.8	241.0					8.6	385.9	24.4	626.9	0.0	0.0
108.00		15.8	239.5					8.6	386.2	24.4	625.6	0.0	0.0
109.00		15.7	237.9					8.6	386.4	24.4	624.3	0.0	0.0
110.00		15.7	236.4					8.6	386.7	24.3	623.1	0.0	0.0
111.00	Appertunance(s)	15.6	234.8	64.3	0.0	0.0	773.2	8.7	387.0	88.6	1,395.0	0.0	0.0
112.00		15.6	233.3					8.7	343.5	24.3	576.8	0.0	0.0
113.00	Appertunance(s)	15.5	231.7	372.7	0.0	0.0	5,344.0	10.8	299.3	399.1	5,875.0	0.0	0.0
114.00		15.5	230.1					8.4	192.8	23.9	423.0	0.0	0.0
115.00		15.4	228.6					8.5	193.0	23.9	421.6	0.0	0.0
116.00		15.3	227.0					8.5	193.1	23.8	420.1	0.0	0.0
117.00		15.3	225.5					8.5	193.2	23.8	418.7	0.0	0.0
118.00		15.2	223.9					8.5	193.3	23.8	417.2	0.0	0.0
119.00		15.2	222.3					8.6	193.5	23.7	415.8	0.0	0.0
120.00		15.1	220.8					8.6	193.6	23.7	414.3	0.0	0.0
121.00		15.0	219.2					8.6	193.7	23.7	412.9	0.0	0.0
122.00	Appertunance(s)	15.0	217.6	530.0	0.0	0.0	7,538.9	8.6	193.8	553.6	7,950.3	0.0	0.0
123.00		14.9	216.0					0.0	115.6	14.9	331.6	0.0	0.0
124.00		14.9	214.5					0.0	115.7	14.9	330.1	0.0	0.0
125.00		14.8	212.9					0.0	115.7	14.8	328.6	0.0	0.0
126.00		14.7	211.3					0.0	115.8	14.7	327.1	0.0	0.0
127.00		14.7	209.7					0.0	115.8	14.7	325.6	0.0	0.0
128.00		14.6	208.1					0.0	115.9	14.6	324.0	0.0	0.0
129.00		14.5	206.5					0.0	116.0	14.5	322.5	0.0	0.0
130.00		14.5	204.9					0.0	116.0	14.5	321.0	0.0	0.0
131.00		14.4	203.4					0.0	116.1	14.4	319.4	0.0	0.0
132.00		8.0	201.8					0.0	116.1	8.0	317.9	0.0	0.0
132.12	Bot - Section 4	7.2	24.1					0.0	13.9	7.2	38.0	0.0	0.0
133.00		13.6	231.3					0.0	102.3	13.6	333.6	0.0	0.0
134.00		14.4	260.7					0.0	116.2	14.4	377.0	0.0	0.0
135.00		13.4	258.6					0.0	116.3	13.4	374.9	0.0	0.0
135.87	Top - Section 3	7.1	223.2					0.0	101.2	7.1	324.4	0.0	0.0
136.00		8.0	20.7					0.0	15.2	8.0	35.8	0.0	0.0
137.00	Appertunance(s)	14.2	157.7	635.4	0.0	0.0	9,449.4	0.0	116.4	649.6	9,723.5	0.0	0.0
138.00		14.1	156.4					0.0	112.0	14.1	268.5	0.0	0.0
139.00		14.0	155.2					0.0	112.1	14.0	267.3	0.0	0.0
140.00	Appertunance(s)	13.9	153.9	104.8	0.0	-11.7	1,633.0	0.0	112.1	118.7	1,899.0	0.0	0.0
141.00		13.9	152.7					0.0	111.4	13.9	264.1	0.0	0.0
142.00		13.8	151.4					0.0	111.5	13.8	262.9	0.0	0.0
143.00		13.7	150.2					0.0	111.5	13.7	261.7	0.0	0.0
144.00		13.6	148.9					0.0	111.6	13.6	260.5	0.0	0.0
145.00		13.6	147.7					0.0	111.6	13.6	259.3	0.0	0.0
146.00	Appertunance(s)	13.5	146.4	448.2	0.0	107.0	3,121.9	0.0	111.7	461.7	3,379.9	0.0	0.0
147.00		13.4	145.1					0.0	104.7	13.4	249.8	0.0	0.0
148.00		13.3	143.9					0.0	104.7	13.3	248.6	0.0	0.0
149.00		13.3	142.6					0.0	104.8	13.3	247.4	0.0	0.0
150.00		13.2	141.4					0.0	104.8	13.2	246.2	0.0	0.0
151.00		13.1	140.1					0.0	104.9	13.1	244.9	0.0	0.0
152.00	Appertunance(s)	13.0	138.8	65.3	0.0	0.0	333.2	0.0	104.9	78.3	577.0	0.0	0.0
153.00		12.9	137.5					0.0	104.0	12.9	241.5	0.0	0.0
154.00		12.9	136.3					0.0	104.0	12.9	240.3	0.0	0.0
155.00		12.8	135.0					0.0	104.1	12.8	239.1	0.0	0.0

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:57 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.0Di + 1.0Wi

40 mph with 1.00 in Radial Ice

34 Iterations

Gust Response Factor : 1.10

Ice Dead Load Factor : 1.00

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Ice Importance Factor : 1.25

Wind Load Factor : 1.00

156.00		12.7	133.7					0.0	104.1	12.7	237.8	0.0	0.0
157.00		12.6	132.5					0.0	104.2	12.6	236.6	0.0	0.0
158.00		12.5	131.2					0.0	104.2	12.5	235.4	0.0	0.0
159.00		12.4	129.9					0.0	104.3	12.4	234.2	0.0	0.0
160.00		12.4	128.6					0.0	104.3	12.4	232.9	0.0	0.0
161.00		12.3	127.3					4.8	104.4	17.0	231.7	0.0	0.0
162.00		12.2	126.1					4.8	104.4	17.0	230.4	0.0	0.0
163.00	Appertunance(s)	12.1	124.8	309.7	0.0	0.0	4,446.8	4.8	104.4	326.6	4,676.0	0.0	0.0
164.00		12.0	123.5					0.0	22.8	12.0	146.3	0.0	0.0
165.00		11.9	122.2					0.0	22.8	11.9	145.0	0.0	0.0
166.00		11.8	120.9					0.0	22.8	11.8	143.7	0.0	0.0
167.00		11.8	119.6					0.0	22.8	11.8	142.4	0.0	0.0
168.00		11.7	118.3					0.0	22.8	11.7	141.2	0.0	0.0
169.00		11.6	117.0					0.0	22.8	11.6	139.9	0.0	0.0
170.00		11.5	115.7					0.0	22.8	11.5	138.6	0.0	0.0
171.00		11.4	114.5					0.0	22.8	11.4	137.3	0.0	0.0
172.00		11.3	113.2					0.0	22.8	11.3	136.0	0.0	0.0
173.00		11.2	111.9					0.0	22.8	11.2	134.7	0.0	0.0
174.00		11.1	110.6					0.0	22.8	11.1	133.4	0.0	0.0
175.00		11.0	109.3					0.0	22.8	11.0	132.1	0.0	0.0
176.00		11.0	108.0					0.0	22.8	11.0	130.8	0.0	0.0
177.00		10.9	106.7					0.0	22.8	10.9	129.5	0.0	0.0
178.00		10.8	105.4					0.0	22.8	10.8	128.2	0.0	0.0
179.00		10.7	104.1					0.0	22.8	10.7	126.9	0.0	0.0
180.00		5.3	102.8					0.0	22.8	5.3	125.6	0.0	0.0
									Totals:	6,214.57	142,875.	0.00	0.00

Site Number: 302506

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Site Name: Winchester CT 3, CT

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34 Iterations

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Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Ice Importance Factor : 1.25

Wind Load Factor : 1.00

Calculated Forces

Seg	Pu	Vu	Tu	Mu	Mu	Resultant	phi	phi	phi	phi	Total	Rotation	Ratio
Elev	FY (-)	FX (-)	MY	MZ	MX	Moment	Pn	Vn	Tn	Mn	Deflect	(deg)	
(ft)	(kips)	(kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)		
0.00	-150.62	-6.80	0.00	-881.33	0.00	881.33	5,102.86	2,551.43	10,963.2	5,489.79	0.00	0.00	0.142
1.00	-149.85	-6.80	0.00	-874.53	0.00	874.53	5,088.23	2,544.11	10,885.6	5,450.89	0.00	-0.01	0.142
2.00	-149.05	-6.80	0.00	-867.73	0.00	867.73	5,073.54	2,536.77	10,808.0	5,412.06	0.00	-0.01	0.141
3.00	-148.24	-6.80	0.00	-860.93	0.00	860.93	5,058.79	2,529.39	10,730.6	5,373.31	0.01	-0.02	0.141
4.00	-147.41	-6.81	0.00	-854.13	0.00	854.13	5,043.98	2,521.99	10,653.4	5,334.64	0.01	-0.03	0.141
5.00	-146.58	-6.81	0.00	-847.32	0.00	847.32	5,029.12	2,514.56	10,576.3	5,296.03	0.02	-0.04	0.140
6.00	-145.75	-6.81	0.00	-840.52	0.00	840.52	5,014.20	2,507.10	10,499.4	5,257.51	0.03	-0.04	0.140
7.00	-144.91	-6.81	0.00	-833.71	0.00	833.71	4,999.22	2,499.61	10,422.6	5,219.05	0.04	-0.05	0.140
8.00	-144.06	-6.81	0.00	-826.90	0.00	826.90	4,984.19	2,492.10	10,345.9	5,180.68	0.05	-0.06	0.139
9.00	-143.22	-6.81	0.00	-820.09	0.00	820.09	4,969.10	2,484.55	10,269.5	5,142.38	0.06	-0.07	0.139
10.00	-142.37	-6.81	0.00	-813.28	0.00	813.28	4,953.95	2,476.98	10,193.1	5,104.17	0.08	-0.07	0.139
11.00	-141.52	-6.81	0.00	-806.46	0.00	806.46	4,938.75	2,469.37	10,117.0	5,066.03	0.10	-0.08	0.138
12.00	-140.67	-6.82	0.00	-799.65	0.00	799.65	4,923.49	2,461.74	10,041.0	5,027.97	0.11	-0.09	0.138
13.00	-139.82	-6.82	0.00	-792.83	0.00	792.83	4,908.17	2,454.08	9,965.17	4,989.99	0.13	-0.10	0.137
14.00	-138.96	-6.82	0.00	-786.02	0.00	786.02	4,892.79	2,446.40	9,889.49	4,952.10	0.15	-0.11	0.137
15.00	-138.11	-6.82	0.00	-779.20	0.00	779.20	4,877.36	2,438.68	9,813.98	4,914.28	0.18	-0.11	0.137
16.00	-137.25	-6.82	0.00	-772.38	0.00	772.38	4,861.87	2,430.94	9,738.63	4,876.55	0.20	-0.12	0.136
17.00	-136.39	-6.82	0.00	-765.57	0.00	765.57	4,846.32	2,423.16	9,663.45	4,838.91	0.23	-0.13	0.136
18.00	-135.54	-6.82	0.00	-758.75	0.00	758.75	4,830.72	2,415.36	9,588.44	4,801.34	0.26	-0.14	0.136
19.00	-134.68	-6.82	0.00	-751.93	0.00	751.93	4,815.06	2,407.53	9,513.60	4,763.87	0.29	-0.14	0.135
20.00	-133.82	-6.82	0.00	-745.11	0.00	745.11	4,799.34	2,399.67	9,438.93	4,726.48	0.32	-0.15	0.135
21.00	-132.96	-6.82	0.00	-738.29	0.00	738.29	4,783.57	2,391.78	9,364.44	4,689.18	0.35	-0.16	0.134
22.00	-132.11	-6.82	0.00	-731.48	0.00	731.48	4,767.74	2,383.87	9,290.12	4,651.96	0.38	-0.17	0.134
23.00	-131.25	-6.82	0.00	-724.66	0.00	724.66	4,751.85	2,375.92	9,215.98	4,614.84	0.42	-0.18	0.133
24.00	-130.39	-6.82	0.00	-717.84	0.00	717.84	4,735.90	2,367.95	9,142.01	4,577.80	0.46	-0.18	0.133
25.00	-129.54	-6.82	0.00	-711.02	0.00	711.02	4,719.90	2,359.95	9,068.23	4,540.86	0.50	-0.19	0.133
26.00	-128.68	-6.82	0.00	-704.21	0.00	704.21	4,703.84	2,351.92	8,994.63	4,504.00	0.54	-0.20	0.132
27.00	-127.82	-6.81	0.00	-697.39	0.00	697.39	4,687.72	2,343.86	8,921.22	4,467.24	0.58	-0.21	0.132
28.00	-126.97	-6.81	0.00	-690.58	0.00	690.58	4,671.55	2,335.77	8,847.98	4,430.57	0.62	-0.22	0.131
29.00	-126.11	-6.81	0.00	-683.77	0.00	683.77	4,655.31	2,327.66	8,774.94	4,393.99	0.67	-0.22	0.131
30.00	-125.18	-6.81	0.00	-676.95	0.00	676.95	4,639.03	2,319.51	8,702.08	4,357.51	0.72	-0.23	0.130
31.00	-124.33	-6.80	0.00	-670.15	0.00	670.15	4,622.68	2,311.34	8,629.41	4,321.12	0.77	-0.24	0.130
32.00	-123.49	-6.80	0.00	-663.34	0.00	663.34	4,606.28	2,303.14	8,556.93	4,284.83	0.82	-0.25	0.129
33.00	-122.65	-6.80	0.00	-656.54	0.00	656.54	4,589.82	2,294.91	8,484.65	4,248.63	0.87	-0.26	0.129
34.00	-121.80	-6.80	0.00	-649.74	0.00	649.74	4,573.30	2,286.65	8,412.56	4,212.53	0.93	-0.26	0.128
35.00	-120.96	-6.80	0.00	-642.94	0.00	642.94	4,556.73	2,278.36	8,340.67	4,176.53	0.98	-0.27	0.128
36.00	-120.12	-6.79	0.00	-636.15	0.00	636.15	4,540.10	2,270.05	8,268.97	4,140.63	1.04	-0.28	0.127
37.00	-119.28	-6.79	0.00	-629.36	0.00	629.36	4,523.41	2,261.70	8,197.47	4,104.83	1.10	-0.29	0.127
38.00	-118.44	-6.79	0.00	-622.57	0.00	622.57	4,506.66	2,253.33	8,126.17	4,069.13	1.16	-0.30	0.126
39.00	-117.60	-6.78	0.00	-615.78	0.00	615.78	4,489.86	2,244.93	8,055.08	4,033.53	1.22	-0.30	0.126
40.00	-116.76	-6.78	0.00	-609.00	0.00	609.00	4,473.00	2,236.50	7,984.18	3,998.03	1.29	-0.31	0.125
41.00	-115.93	-6.77	0.00	-602.22	0.00	602.22	4,456.09	2,228.04	7,913.50	3,962.63	1.35	-0.32	0.125
42.00	-115.09	-6.77	0.00	-595.45	0.00	595.45	4,439.11	2,219.56	7,843.02	3,927.34	1.42	-0.33	0.124
42.96	-114.29	-6.77	0.00	-588.97	0.00	588.97	4,422.82	2,211.41	7,775.79	3,893.68	1.49	-0.34	0.124
43.00	-114.25	-6.77	0.00	-588.68	0.00	588.68	4,422.08	2,211.04	7,772.74	3,892.15	1.49	-0.34	0.123
44.00	-113.20	-6.76	0.00	-581.91	0.00	581.91	4,400.67	2,200.33	7,695.11	3,853.28	1.56	-0.35	0.122
45.00	-112.15	-6.75	0.00	-575.15	0.00	575.15	4,378.03	2,189.01	7,615.75	3,813.53	1.64	-0.35	0.122
46.00	-111.11	-6.74	0.00	-568.40	0.00	568.40	4,355.39	2,177.70	7,536.79	3,773.99	1.71	-0.36	0.121
47.00	-110.07	-6.73	0.00	-561.66	0.00	561.66	4,332.75	2,166.38	7,458.24	3,734.66	1.79	-0.37	0.121
48.00	-109.03	-6.72	0.00	-554.93	0.00	554.93	4,310.11	2,155.06	7,380.10	3,695.54	1.87	-0.38	0.120
49.00	-107.99	-6.70	0.00	-548.21	0.00	548.21	4,287.47	2,143.74	7,302.38	3,656.62	1.95	-0.39	0.120

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49.04	-107.95	-6.70	0.00	-547.95	0.00	547.95	3,604.17	1,802.08	6,267.69	3,138.50	1.95	-0.39	0.135
50.00	-107.18	-6.70	0.00	-541.51	0.00	541.51	3,591.50	1,795.75	6,214.33	3,111.78	2.03	-0.40	0.135
51.00	-106.38	-6.68	0.00	-534.82	0.00	534.82	3,578.26	1,789.13	6,158.90	3,084.03	2.11	-0.40	0.134
52.00	-105.58	-6.67	0.00	-528.14	0.00	528.14	3,564.96	1,782.48	6,103.60	3,056.34	2.20	-0.41	0.133
53.00	-104.79	-6.66	0.00	-521.47	0.00	521.47	3,551.60	1,775.80	6,048.46	3,028.72	2.29	-0.42	0.132
54.00	-103.99	-6.64	0.00	-514.81	0.00	514.81	3,538.18	1,769.09	5,993.45	3,001.18	2.38	-0.43	0.132
55.00	-103.19	-6.63	0.00	-508.17	0.00	508.17	3,524.70	1,762.35	5,938.60	2,973.71	2.47	-0.44	0.131
56.00	-102.40	-6.62	0.00	-501.54	0.00	501.54	3,511.17	1,755.59	5,883.90	2,946.32	2.56	-0.45	0.130
57.00	-101.61	-6.60	0.00	-494.92	0.00	494.92	3,497.59	1,748.79	5,829.34	2,919.00	2.66	-0.46	0.129
58.00	-100.82	-6.59	0.00	-488.32	0.00	488.32	3,483.94	1,741.97	5,774.94	2,891.76	2.75	-0.47	0.128
59.00	-100.02	-6.57	0.00	-481.74	0.00	481.74	3,470.24	1,735.12	5,720.69	2,864.60	2.85	-0.48	0.127
60.00	-99.23	-6.56	0.00	-475.17	0.00	475.17	3,456.48	1,728.24	5,666.60	2,837.51	2.95	-0.48	0.127
61.00	-98.45	-6.54	0.00	-468.61	0.00	468.61	3,442.66	1,721.33	5,612.67	2,810.51	3.06	-0.49	0.126
62.00	-97.66	-6.53	0.00	-462.07	0.00	462.07	3,428.79	1,714.39	5,558.89	2,783.58	3.16	-0.50	0.125
63.00	-96.87	-6.51	0.00	-455.55	0.00	455.55	3,414.86	1,707.43	5,505.28	2,756.73	3.27	-0.51	0.124
64.00	-96.09	-6.49	0.00	-449.04	0.00	449.04	3,400.87	1,700.44	5,451.82	2,729.96	3.37	-0.52	0.123
65.00	-95.30	-6.48	0.00	-442.55	0.00	442.55	3,386.83	1,693.41	5,398.53	2,703.28	3.48	-0.53	0.122
66.00	-94.52	-6.46	0.00	-436.07	0.00	436.07	3,372.72	1,686.36	5,345.41	2,676.68	3.60	-0.54	0.121
67.00	-93.74	-6.44	0.00	-429.61	0.00	429.61	3,358.57	1,679.28	5,292.45	2,650.16	3.71	-0.55	0.121
68.00	-92.96	-6.43	0.00	-423.17	0.00	423.17	3,344.35	1,672.18	5,239.65	2,623.72	3.82	-0.56	0.120
69.00	-92.18	-6.41	0.00	-416.74	0.00	416.74	3,330.08	1,665.04	5,187.03	2,597.37	3.94	-0.56	0.119
70.00	-91.40	-6.39	0.00	-410.34	0.00	410.34	3,315.75	1,657.87	5,134.58	2,571.11	4.06	-0.57	0.118
71.00	-90.62	-6.37	0.00	-403.95	0.00	403.95	3,301.36	1,650.68	5,082.30	2,544.93	4.18	-0.58	0.117
72.00	-89.84	-6.35	0.00	-397.58	0.00	397.58	3,286.92	1,643.46	5,030.20	2,518.84	4.30	-0.59	0.116
73.00	-89.07	-6.33	0.00	-391.22	0.00	391.22	3,272.42	1,636.21	4,978.27	2,492.84	4.43	-0.60	0.115
74.00	-88.30	-6.32	0.00	-384.89	0.00	384.89	3,257.86	1,628.93	4,926.52	2,466.92	4.56	-0.61	0.114
75.00	-87.52	-6.30	0.00	-378.57	0.00	378.57	3,242.30	1,621.15	4,873.54	2,440.39	4.68	-0.62	0.113
76.00	-86.75	-6.28	0.00	-372.28	0.00	372.28	3,222.90	1,611.45	4,815.08	2,411.12	4.81	-0.63	0.112
77.00	-85.98	-6.26	0.00	-366.00	0.00	366.00	3,203.49	1,601.75	4,756.98	2,382.03	4.95	-0.63	0.111
78.00	-85.21	-6.24	0.00	-359.75	0.00	359.75	3,184.09	1,592.04	4,699.23	2,353.11	5.08	-0.64	0.111
79.00	-84.42	-6.21	0.00	-353.51	0.00	353.51	3,164.68	1,582.34	4,641.84	2,324.37	5.22	-0.65	0.110
80.00	-82.72	-5.97	0.00	-347.29	0.00	347.29	3,145.28	1,572.64	4,584.79	2,295.80	5.35	-0.66	0.109
81.00	-81.96	-5.95	0.00	-341.33	0.00	341.33	3,125.87	1,562.94	4,528.10	2,267.42	5.49	-0.67	0.108
82.00	-81.20	-5.93	0.00	-335.38	0.00	335.38	3,106.47	1,553.24	4,471.77	2,239.21	5.63	-0.68	0.107
83.00	-80.43	-5.90	0.00	-329.45	0.00	329.45	3,087.07	1,543.53	4,415.78	2,211.17	5.78	-0.69	0.106
84.00	-79.68	-5.88	0.00	-323.55	0.00	323.55	3,067.66	1,533.83	4,360.15	2,183.32	5.92	-0.69	0.105
85.00	-78.92	-5.86	0.00	-317.67	0.00	317.67	3,048.26	1,524.13	4,304.87	2,155.63	6.07	-0.70	0.104
86.00	-78.16	-5.84	0.00	-311.81	0.00	311.81	3,028.85	1,514.43	4,249.94	2,128.13	6.22	-0.71	0.103
87.00	-77.40	-5.82	0.00	-305.97	0.00	305.97	3,009.45	1,504.72	4,195.37	2,100.80	6.37	-0.72	0.102
87.54	-77.00	-5.81	0.00	-302.83	0.00	302.83	2,998.97	1,499.48	4,166.05	2,086.12	6.45	-0.73	0.102
88.00	-76.58	-5.79	0.00	-300.16	0.00	300.16	2,990.04	1,495.02	4,141.15	2,073.65	6.52	-0.73	0.100
89.00	-75.69	-5.77	0.00	-294.36	0.00	294.36	2,970.64	1,485.32	4,087.28	2,046.68	6.67	-0.74	0.100
90.00	-74.80	-5.74	0.00	-288.60	0.00	288.60	2,951.23	1,475.62	4,033.76	2,019.88	6.83	-0.75	0.099
91.00	-73.91	-5.72	0.00	-282.85	0.00	282.85	2,931.83	1,465.91	3,980.60	1,993.26	6.99	-0.75	0.098
92.00	-73.02	-5.69	0.00	-277.14	0.00	277.14	2,912.42	1,456.21	3,927.79	1,966.81	7.14	-0.76	0.097
92.46	-72.62	-5.68	0.00	-274.54	0.00	274.54	2,412.07	1,206.04	3,317.78	1,661.36	7.22	-0.77	0.107
93.00	-72.22	-5.67	0.00	-271.45	0.00	271.45	2,405.85	1,202.93	3,297.34	1,651.12	7.30	-0.77	0.107
94.00	-71.50	-5.64	0.00	-265.79	0.00	265.79	2,394.36	1,197.18	3,259.83	1,632.34	7.47	-0.78	0.105
95.00	-70.77	-5.62	0.00	-260.14	0.00	260.14	2,382.81	1,191.41	3,222.46	1,613.62	7.63	-0.79	0.104
96.00	-69.08	-5.47	0.00	-254.52	0.00	254.52	2,371.21	1,185.60	3,185.22	1,594.98	7.80	-0.80	0.102
97.00	-68.36	-5.45	0.00	-249.05	0.00	249.05	2,359.55	1,179.77	3,148.11	1,576.40	7.97	-0.81	0.101
98.00	-67.64	-5.42	0.00	-243.61	0.00	243.61	2,347.83	1,173.91	3,111.14	1,557.88	8.14	-0.81	0.100
99.00	-66.92	-5.40	0.00	-238.19	0.00	238.19	2,336.05	1,168.03	3,074.31	1,539.44	8.31	-0.82	0.098
100.00	-66.21	-5.37	0.00	-232.79	0.00	232.79	2,324.22	1,162.11	3,037.61	1,521.06	8.48	-0.83	0.097
101.00	-65.49	-5.35	0.00	-227.42	0.00	227.42	2,312.33	1,156.16	3,001.06	1,502.76	8.65	-0.84	0.096
102.00	-64.78	-5.32	0.00	-222.07	0.00	222.07	2,300.38	1,150.19	2,964.65	1,484.53	8.83	-0.85	0.094
103.00	-64.06	-5.29	0.00	-216.76	0.00	216.76	2,288.38	1,144.19	2,928.39	1,466.37	9.01	-0.86	0.093

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:58 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.0Di + 1.0Wi

40 mph with 1.00 in Radial Ice

34 Iterations

Gust Response Factor : 1.10

Ice Dead Load Factor : 1.00

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Ice Importance Factor : 1.25

Wind Load Factor : 1.00

104.00	-63.35	-5.27	0.00	-211.46	0.00	211.46	2,276.31	1,138.16	2,892.27	1,448.28	9.19	-0.86	0.091
104.50	-63.00	-5.26	0.00	-208.83	0.00	208.83	2,270.26	1,135.13	2,874.26	1,439.27	9.28	-0.87	0.091
104.50	-63.00	-5.26	0.00	-208.83	0.00	208.83	2,270.26	1,135.13	2,874.26	1,439.27	9.28	-0.87	0.173
105.00	-62.68	-5.25	0.00	-206.20	0.00	206.20	2,264.20	1,132.10	2,856.29	1,430.27	9.37	-0.87	0.172
106.00	-62.05	-5.23	0.00	-200.95	0.00	200.95	2,251.29	1,125.65	2,819.56	1,411.88	9.56	-0.89	0.170
107.00	-61.43	-5.21	0.00	-195.72	0.00	195.72	2,235.12	1,117.56	2,779.00	1,391.56	9.74	-0.90	0.168
108.00	-60.80	-5.19	0.00	-190.51	0.00	190.51	2,218.95	1,109.48	2,738.73	1,371.40	9.94	-0.92	0.166
109.00	-60.17	-5.18	0.00	-185.32	0.00	185.32	2,202.78	1,101.39	2,698.75	1,351.38	10.13	-0.94	0.164
110.00	-59.55	-5.16	0.00	-180.14	0.00	180.14	2,186.61	1,093.30	2,659.07	1,331.51	10.33	-0.95	0.163
111.00	-58.16	-5.06	0.00	-174.98	0.00	174.98	2,170.44	1,085.22	2,619.69	1,311.79	10.53	-0.97	0.160
112.00	-57.58	-5.04	0.00	-169.92	0.00	169.92	2,154.27	1,077.13	2,580.59	1,292.21	10.73	-0.98	0.158
113.00	-51.71	-4.56	0.00	-164.88	0.00	164.88	2,138.10	1,069.05	2,541.79	1,272.79	10.94	-1.00	0.154
114.00	-51.29	-4.54	0.00	-160.32	0.00	160.32	2,121.93	1,060.96	2,503.29	1,253.50	11.15	-1.01	0.152
115.00	-50.86	-4.52	0.00	-155.78	0.00	155.78	2,105.76	1,052.88	2,465.08	1,234.37	11.36	-1.03	0.150
116.00	-50.44	-4.50	0.00	-151.26	0.00	151.26	2,089.59	1,044.79	2,427.16	1,215.38	11.58	-1.04	0.149
117.00	-50.02	-4.48	0.00	-146.76	0.00	146.76	2,073.42	1,036.71	2,389.54	1,196.54	11.80	-1.06	0.147
118.00	-49.61	-4.46	0.00	-142.28	0.00	142.28	2,057.25	1,028.62	2,352.21	1,177.85	12.02	-1.07	0.145
119.00	-49.19	-4.45	0.00	-137.82	0.00	137.82	2,041.07	1,020.54	2,315.17	1,159.31	12.25	-1.09	0.143
120.00	-48.77	-4.43	0.00	-133.37	0.00	133.37	2,024.90	1,012.45	2,278.43	1,140.91	12.48	-1.10	0.141
121.00	-48.36	-4.41	0.00	-128.94	0.00	128.94	2,008.73	1,004.37	2,241.98	1,122.66	12.71	-1.11	0.139
122.00	-40.42	-3.71	0.00	-124.54	0.00	124.54	1,992.56	996.28	2,205.83	1,104.55	12.95	-1.13	0.133
123.00	-40.09	-3.70	0.00	-120.83	0.00	120.83	1,976.39	988.20	2,169.97	1,086.60	13.18	-1.14	0.131
124.00	-39.76	-3.68	0.00	-117.14	0.00	117.14	1,960.22	980.11	2,134.40	1,068.79	13.42	-1.16	0.130
125.00	-39.43	-3.67	0.00	-113.45	0.00	113.45	1,944.05	972.03	2,099.13	1,051.12	13.67	-1.17	0.128
126.00	-39.10	-3.66	0.00	-109.78	0.00	109.78	1,927.88	963.94	2,064.15	1,033.61	13.91	-1.18	0.127
127.00	-38.78	-3.65	0.00	-106.12	0.00	106.12	1,911.71	955.86	2,029.46	1,016.24	14.16	-1.20	0.125
128.00	-38.45	-3.64	0.00	-102.47	0.00	102.47	1,895.54	947.77	1,995.07	999.02	14.42	-1.21	0.123
129.00	-38.13	-3.62	0.00	-98.84	0.00	98.84	1,879.37	939.68	1,960.98	981.95	14.67	-1.23	0.121
130.00	-37.81	-3.61	0.00	-95.21	0.00	95.21	1,863.20	931.60	1,927.17	965.02	14.93	-1.24	0.119
131.00	-37.49	-3.60	0.00	-91.60	0.00	91.60	1,847.03	923.51	1,893.66	948.24	15.19	-1.25	0.117
132.00	-37.17	-3.59	0.00	-88.01	0.00	88.01	1,830.86	915.43	1,860.45	931.61	15.46	-1.26	0.115
132.12	-37.13	-3.58	0.00	-87.58	0.00	87.58	1,828.92	914.46	1,856.49	929.63	15.49	-1.27	0.115
133.00	-36.80	-3.57	0.00	-84.42	0.00	84.42	1,814.69	907.34	1,827.53	915.12	15.72	-1.28	0.113
134.00	-36.42	-3.56	0.00	-80.85	0.00	80.85	1,798.52	899.26	1,794.90	898.78	15.99	-1.29	0.110
135.00	-36.04	-3.54	0.00	-77.30	0.00	77.30	1,782.35	891.17	1,762.57	882.59	16.26	-1.30	0.108
135.87	-35.72	-3.53	0.00	-74.22	0.00	74.22	993.95	496.97	1,000.68	501.09	16.50	-1.31	0.184
136.00	-35.68	-3.53	0.00	-73.76	0.00	73.76	993.20	496.60	998.76	500.12	16.54	-1.31	0.183
137.00	-25.98	-2.66	0.00	-70.23	0.00	70.23	987.45	493.72	984.00	492.73	16.81	-1.33	0.169
138.00	-25.71	-2.65	0.00	-67.57	0.00	67.57	981.64	490.82	969.28	485.36	17.09	-1.35	0.165
139.00	-25.44	-2.64	0.00	-64.92	0.00	64.92	975.77	487.88	954.62	478.02	17.38	-1.37	0.162
140.00	-23.54	-2.48	0.00	-62.28	0.00	62.28	969.84	484.92	940.01	470.70	17.67	-1.39	0.157
141.00	-23.28	-2.47	0.00	-59.81	0.00	59.81	963.86	481.93	925.45	463.41	17.96	-1.40	0.153
142.00	-23.02	-2.45	0.00	-57.34	0.00	57.34	957.82	478.91	910.95	456.15	18.26	-1.42	0.150
143.00	-22.75	-2.44	0.00	-54.89	0.00	54.89	951.72	475.86	896.50	448.92	18.56	-1.44	0.146
144.00	-22.49	-2.43	0.00	-52.45	0.00	52.45	945.56	472.78	882.11	441.71	18.86	-1.46	0.143
145.00	-22.23	-2.41	0.00	-50.02	0.00	50.02	939.35	469.68	867.78	434.53	19.17	-1.47	0.139
146.00	-18.87	-1.87	0.00	-47.50	0.00	47.50	933.08	466.54	853.51	427.39	19.48	-1.49	0.131
147.00	-18.62	-1.85	0.00	-45.63	0.00	45.63	926.76	463.38	839.30	420.27	19.79	-1.50	0.129
148.00	-18.37	-1.84	0.00	-43.78	0.00	43.78	920.37	460.19	825.16	413.19	20.11	-1.52	0.126
149.00	-18.12	-1.82	0.00	-41.94	0.00	41.94	913.93	456.97	811.08	406.14	20.43	-1.54	0.123
150.00	-17.87	-1.81	0.00	-40.11	0.00	40.11	907.44	453.72	797.07	399.13	20.75	-1.55	0.120
151.00	-17.63	-1.79	0.00	-38.30	0.00	38.30	900.88	450.44	783.12	392.14	21.08	-1.57	0.117
152.00	-17.05	-1.70	0.00	-36.51	0.00	36.51	894.27	447.14	769.25	385.20	21.41	-1.58	0.114
153.00	-16.81	-1.69	0.00	-34.81	0.00	34.81	887.60	443.80	755.45	378.29	21.74	-1.60	0.111
154.00	-16.57	-1.67	0.00	-33.12	0.00	33.12	880.88	440.44	741.72	371.41	22.08	-1.61	0.108
155.00	-16.33	-1.66	0.00	-31.44	0.00	31.44	874.09	437.05	728.06	364.57	22.42	-1.62	0.105
156.00	-16.10	-1.64	0.00	-29.79	0.00	29.79	867.26	433.63	714.49	357.77	22.76	-1.64	0.102

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:58 PM

Customer: AT&T Mobility

Load Case: 1.2D + 1.0Di + 1.0Wi

40 mph with 1.00 in Radial Ice

34 Iterations

Gust Response Factor : 1.10

Ice Dead Load Factor : 1.00

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Ice Importance Factor : 1.25

Wind Load Factor : 1.00

157.00	-15.86	-1.63	0.00	-28.14	0.00	28.14	860.36	430.18	700.99	351.01	23.10	-1.65	0.099
158.00	-15.62	-1.61	0.00	-26.52	0.00	26.52	853.41	426.70	687.57	344.29	23.45	-1.67	0.095
159.00	-15.39	-1.60	0.00	-24.91	0.00	24.91	846.39	423.20	674.23	337.61	23.80	-1.68	0.092
160.00	-15.16	-1.58	0.00	-23.31	0.00	23.31	839.33	419.66	660.97	330.98	24.15	-1.69	0.089
161.00	-14.93	-1.56	0.00	-21.73	0.00	21.73	832.20	416.10	647.80	324.38	24.51	-1.70	0.085
162.00	-14.70	-1.54	0.00	-20.17	0.00	20.17	825.02	412.51	634.71	317.83	24.87	-1.71	0.081
163.00	-10.03	-1.07	0.00	-18.63	0.00	18.63	817.78	408.89	621.71	311.32	25.23	-1.73	0.072
164.00	-9.89	-1.06	0.00	-17.56	0.00	17.56	810.15	405.07	608.54	304.72	25.59	-1.74	0.070
165.00	-9.74	-1.04	0.00	-16.50	0.00	16.50	800.44	400.22	593.98	297.43	25.95	-1.75	0.068
166.00	-9.60	-1.03	0.00	-15.46	0.00	15.46	790.74	395.37	579.60	290.23	26.32	-1.76	0.065
167.00	-9.45	-1.01	0.00	-14.43	0.00	14.43	781.04	390.52	565.39	283.11	26.69	-1.77	0.063
168.00	-9.31	-1.00	0.00	-13.42	0.00	13.42	771.34	385.67	551.35	276.09	27.06	-1.78	0.061
169.00	-9.17	-0.99	0.00	-12.42	0.00	12.42	761.63	380.82	537.50	269.15	27.43	-1.79	0.058
170.00	-9.04	-0.97	0.00	-11.43	0.00	11.43	751.93	375.97	523.82	262.30	27.81	-1.79	0.056
171.00	-8.90	-0.96	0.00	-10.46	0.00	10.46	742.23	371.11	510.32	255.54	28.19	-1.80	0.053
172.00	-8.76	-0.94	0.00	-9.50	0.00	9.50	732.53	366.26	496.99	248.86	28.56	-1.81	0.050
173.00	-8.63	-0.93	0.00	-8.56	0.00	8.56	722.82	361.41	483.84	242.28	28.94	-1.82	0.047
174.00	-8.50	-0.91	0.00	-7.63	0.00	7.63	713.12	356.56	470.86	235.78	29.33	-1.83	0.044
175.00	-8.36	-0.90	0.00	-6.72	0.00	6.72	703.42	351.71	458.07	229.37	29.71	-1.83	0.041
176.00	-8.23	-0.89	0.00	-5.82	0.00	5.82	693.72	346.86	445.44	223.05	30.09	-1.84	0.038
177.00	-8.10	-0.87	0.00	-4.93	0.00	4.93	684.02	342.01	433.00	216.82	30.48	-1.84	0.035
178.00	-7.98	-0.86	0.00	-4.06	0.00	4.06	674.31	337.16	420.73	210.68	30.87	-1.85	0.031
179.00	-7.85	-0.84	0.00	-3.21	0.00	3.21	664.61	332.31	408.64	204.62	31.25	-1.85	0.027
180.00	0.00	-0.59	0.00	-2.36	0.00	2.36	654.91	327.45	396.72	198.65	31.64	-1.85	0.012

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:59 PM

Customer: AT&T Mobility

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.00

Wind Load Factor : 1.00

Shaft Segment Forces (Factored)

Seg Top															
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)	
0.00		1.00	0.70	7.048	7.753	240.29	0.650	0.000	0.00	0.000	0.00	11.2	0.0	0.0	
1.00		1.00	0.70	7.048	7.753	239.79	0.650	* 0.000	1.00	4.454	2.90	22.4	0.0	246.7	
2.00		1.00	0.70	7.048	7.753	238.79	0.650	* 0.000	1.00	4.436	2.88	22.3	0.0	245.6	
3.00		1.00	0.70	7.048	7.753	237.79	0.650	* 0.000	1.00	4.417	2.87	22.2	0.0	244.6	
4.00		1.00	0.70	7.048	7.753	236.79	0.650	* 0.000	1.00	4.399	2.86	22.1	0.0	243.5	
5.00		1.00	0.70	7.048	7.753	235.79	0.650	* 0.000	1.00	4.380	2.85	22.0	0.0	242.5	
6.00		1.00	0.70	7.048	7.753	234.79	0.650	* 0.000	1.00	4.362	2.83	21.9	0.0	241.5	
7.00		1.00	0.70	7.048	7.753	233.79	0.650	* 0.000	1.00	4.343	2.82	21.8	0.0	240.4	
8.00		1.00	0.70	7.048	7.753	232.79	0.650	* 0.000	1.00	4.324	2.81	21.7	0.0	239.4	
9.00		1.00	0.70	7.048	7.753	231.79	0.650	* 0.000	1.00	4.306	2.80	21.7	0.0	238.4	
10.00		1.00	0.70	7.048	7.753	230.79	0.650	* 0.000	1.00	4.287	2.79	21.6	0.0	237.3	
11.00		1.00	0.70	7.048	7.753	229.79	0.650	* 0.000	1.00	4.269	2.77	21.5	0.0	236.3	
12.00		1.00	0.70	7.048	7.753	228.79	0.650	* 0.000	1.00	4.250	2.76	21.4	0.0	235.3	
13.00		1.00	0.70	7.048	7.753	227.79	0.650	* 0.000	1.00	4.232	2.75	21.3	0.0	234.2	
14.00		1.00	0.70	7.048	7.753	226.79	0.650	* 0.000	1.00	4.213	2.74	21.2	0.0	233.2	
15.00		1.00	0.70	7.048	7.753	225.79	0.650	* 0.000	1.00	4.194	2.73	21.1	0.0	232.1	
16.00		1.00	0.70	7.048	7.753	224.79	0.650	* 0.000	1.00	4.176	2.71	21.0	0.0	231.1	
17.00		1.00	0.70	7.048	7.753	223.79	0.650	* 0.000	1.00	4.157	2.70	20.9	0.0	230.1	
18.00		1.00	0.70	7.048	7.753	222.79	0.650	* 0.000	1.00	4.139	2.69	20.8	0.0	229.0	
19.00		1.00	0.70	7.048	7.753	221.79	0.650	* 0.000	1.00	4.120	2.68	20.7	0.0	228.0	
20.00		1.00	0.70	7.048	7.753	220.79	0.650	* 0.000	1.00	4.102	2.67	20.6	0.0	227.0	
21.00		1.00	0.70	7.048	7.753	219.79	0.650	* 0.000	1.00	4.083	2.65	20.5	0.0	225.9	
22.00		1.00	0.70	7.048	7.753	218.80	0.650	* 0.000	1.00	4.064	2.64	20.4	0.0	224.9	
23.00		1.00	0.70	7.048	7.753	217.80	0.650	* 0.000	1.00	4.046	2.63	20.3	0.0	223.8	
24.00		1.00	0.70	7.048	7.753	216.80	0.650	* 0.000	1.00	4.027	2.62	20.2	0.0	222.8	
25.00		1.00	0.70	7.048	7.753	215.80	0.650	* 0.000	1.00	4.009	2.61	20.2	0.0	221.8	
26.00		1.00	0.70	7.048	7.753	214.80	0.650	* 0.000	1.00	3.990	2.59	20.1	0.0	220.7	
27.00		1.00	0.70	7.048	7.753	213.80	0.650	* 0.000	1.00	3.972	2.58	20.0	0.0	219.7	
28.00		1.00	0.70	7.048	7.753	212.80	0.650	* 0.000	1.00	3.953	2.57	19.9	0.0	218.7	
29.00		1.00	0.70	7.048	7.753	211.80	0.650	* 0.000	1.00	3.934	2.56	19.8	0.0	217.6	
30.00	Appertunance(s)	1.00	0.70	7.048	7.753	210.80	0.650	* 0.000	1.00	3.916	2.55	19.7	0.0	216.6	
31.00		1.00	0.70	7.087	7.796	210.38	0.650	* 0.000	1.00	3.897	2.53	19.8	0.0	215.6	
32.00		1.00	0.71	7.153	7.868	210.35	0.650	* 0.000	1.00	3.879	2.52	19.9	0.0	214.5	
33.00		1.00	0.71	7.217	7.939	210.28	0.650	* 0.000	1.00	3.860	2.51	20.0	0.0	213.5	
34.00		1.00	0.72	7.280	8.008	210.17	0.650	* 0.000	1.00	3.842	2.50	20.0	0.0	212.4	
35.00		1.00	0.72	7.341	8.075	210.04	0.650	* 0.000	1.00	3.823	2.48	20.1	0.0	211.4	
36.00		1.00	0.73	7.401	8.142	209.87	0.650	* 0.000	1.00	3.804	2.47	20.2	0.0	210.4	
37.00		1.00	0.74	7.460	8.206	209.68	0.650	* 0.000	1.00	3.786	2.46	20.2	0.0	209.3	
38.00		1.00	0.74	7.518	8.270	209.46	0.650	* 0.000	1.00	3.767	2.45	20.3	0.0	208.3	
39.00		1.00	0.75	7.575	8.333	209.21	0.650	* 0.000	1.00	3.749	2.44	20.3	0.0	207.3	
40.00		1.00	0.75	7.631	8.394	208.94	0.650	* 0.000	1.00	3.730	2.42	20.4	0.0	206.2	
41.00		1.00	0.76	7.685	8.454	208.64	0.650	* 0.000	1.00	3.712	2.41	20.4	0.0	205.2	
42.00		1.00	0.76	7.739	8.513	208.32	0.650	* 0.000	1.00	3.693	2.40	20.0	0.0	204.1	
42.96	Bot - Section 2	1.00	0.77	7.791	8.570	207.99	0.650	* 0.000	0.96	3.515	2.28	10.2	0.0	194.3	
43.00		1.00	0.77	7.817	8.599	207.81	0.650	* 0.000	0.04	0.162	0.11	10.9	0.0	16.5	
44.00		1.00	0.77	7.844	8.628	207.62	0.650	* 0.000	1.00	3.719	2.42	20.9	0.0	378.6	
45.00		1.00	0.78	7.895	8.685	207.24	0.650	* 0.000	1.00	3.701	2.41	20.9	0.0	376.6	
46.00		1.00	0.78	7.945	8.740	206.83	0.650	* 0.000	1.00	3.682	2.39	29.8	0.0	374.7	
47.00		1.00	0.79	7.995	8.794	206.41	1.200	* 0.000	1.00	3.664	4.40	38.7	0.0	372.8	
48.00		1.00	0.79	8.044	8.848	205.97	1.200	* 0.000	1.00	3.645	4.37	38.7	0.0	370.9	
49.00		1.00	0.80	8.092	8.901	205.52	1.200	* 0.000	1.00	3.627	4.35	20.1	0.0	368.9	

Load Case: 1.0D + 1.0W	Serviceability 60 mph	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.15
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

49.04	Top - Section 1	1.00	0.80	8.116	8.928	205.27	1.200	* 0.000	0.04	0.144	0.17	10.9	0.0	14.7
50.00		1.00	0.80	8.140	8.954	208.70	0.650	* 0.000	0.96	3.464	2.25	29.5	0.0	164.3
51.00		1.00	0.81	8.186	9.004	208.23	1.200	* 0.000	1.00	3.589	4.31	38.8	0.0	170.3
52.00		1.00	0.81	8.232	9.055	207.74	1.200	* 0.000	1.00	3.571	4.28	38.8	0.0	169.4
53.00		1.00	0.82	8.277	9.105	207.23	1.200	* 0.000	1.00	3.552	4.26	38.8	0.0	168.5
54.00		1.00	0.82	8.322	9.154	206.70	1.200	* 0.000	1.00	3.534	4.24	38.8	0.0	167.6
55.00		1.00	0.83	8.366	9.202	206.16	1.200	* 0.000	1.00	3.515	4.22	38.8	0.0	166.7
56.00		1.00	0.83	8.409	9.250	205.60	1.200	* 0.000	1.00	3.497	4.20	38.8	0.0	165.8
57.00		1.00	0.83	8.452	9.298	205.03	1.200	* 0.000	1.00	3.478	4.17	38.8	0.0	164.9
58.00		1.00	0.84	8.495	9.344	204.45	1.200	* 0.000	1.00	3.459	4.15	38.8	0.0	164.1
59.00		1.00	0.84	8.537	9.390	203.85	1.200	* 0.000	1.00	3.441	4.13	38.8	0.0	163.2
60.00		1.00	0.85	8.578	9.436	203.24	1.200	* 0.000	1.00	3.422	4.11	38.7	0.0	162.3
61.00		1.00	0.85	8.619	9.481	202.62	1.200	* 0.000	1.00	3.404	4.08	38.7	0.0	161.4
62.00		1.00	0.86	8.660	9.526	201.99	1.200	* 0.000	1.00	3.385	4.06	38.7	0.0	160.5
63.00		1.00	0.86	8.700	9.570	201.35	1.200	* 0.000	1.00	3.367	4.04	38.6	0.0	159.6
64.00		1.00	0.86	8.739	9.613	200.69	1.200	* 0.000	1.00	3.348	4.02	38.6	0.0	158.7
65.00		1.00	0.87	8.778	9.656	200.02	1.200	* 0.000	1.00	3.329	4.00	38.6	0.0	157.8
66.00		1.00	0.87	8.817	9.699	199.35	1.200	* 0.000	1.00	3.311	3.97	38.5	0.0	156.9
67.00		1.00	0.88	8.855	9.741	198.66	1.200	* 0.000	1.00	3.292	3.95	38.5	0.0	156.1
68.00		1.00	0.88	8.893	9.782	197.96	1.200	* 0.000	1.00	3.274	3.93	38.4	0.0	155.2
69.00		1.00	0.88	8.931	9.824	197.25	1.200	* 0.000	1.00	3.255	3.91	38.3	0.0	154.3
70.00		1.00	0.89	8.968	9.864	196.53	1.200	* 0.000	1.00	3.237	3.88	38.3	0.0	153.4
71.00		1.00	0.89	9.004	9.905	195.80	1.200	* 0.000	1.00	3.218	3.86	38.2	0.0	152.5
72.00		1.00	0.89	9.041	9.945	195.06	1.200	* 0.000	1.00	3.199	3.84	38.1	0.0	151.6
73.00		1.00	0.90	9.077	9.984	194.32	1.200	* 0.000	1.00	3.181	3.82	38.1	0.0	150.7
74.00		1.00	0.90	9.112	10.02	193.56	1.200	* 0.000	1.00	3.162	3.79	38.0	0.0	149.8
75.00		1.00	0.90	9.147	10.06	192.80	1.200	* 0.000	1.00	3.144	3.77	37.9	0.0	148.9
76.00		1.00	0.91	9.182	10.10	192.02	1.200	* 0.000	1.00	3.125	3.75	37.8	0.0	148.1
77.00		1.00	0.91	9.217	10.13	191.24	1.200	* 0.000	1.00	3.107	3.73	37.8	0.0	147.2
78.00		1.00	0.91	9.251	10.17	190.45	1.200	* 0.000	1.00	3.088	3.71	37.7	0.0	146.3
79.00	Appertunance(s)	1.00	0.92	9.285	10.21	189.65	1.200	* 0.000	1.00	3.069	3.68	37.6	0.0	145.4
80.00	Appertunance(s)	1.00	0.92	9.319	10.25	188.85	1.200	* 0.000	1.00	3.051	3.66	37.5	0.0	144.5
81.00		1.00	0.92	9.352	10.28	188.03	1.200	* 0.000	1.00	3.032	3.64	37.4	0.0	143.6
82.00		1.00	0.93	9.385	10.32	187.21	1.200	* 0.000	1.00	3.014	3.62	37.3	0.0	142.7
83.00		1.00	0.93	9.418	10.36	186.38	1.200	* 0.000	1.00	2.995	3.59	37.2	0.0	141.8
84.00		1.00	0.93	9.450	10.39	185.55	1.200	* 0.000	1.00	2.977	3.57	37.1	0.0	140.9
85.00		1.00	0.94	9.483	10.43	184.70	1.200	* 0.000	1.00	2.958	3.55	37.0	0.0	140.1
86.00		1.00	0.94	9.514	10.46	183.85	1.200	* 0.000	1.00	2.939	3.53	36.9	0.0	139.2
87.00		1.00	0.94	9.546	10.50	182.99	1.200	* 0.000	1.00	2.921	3.51	28.3	0.0	138.3
87.54	Bot - Section 3	1.00	0.95	9.570	10.52	182.33	1.200	* 0.000	0.54	1.569	1.88	18.5	0.0	74.3
88.00		1.00	0.95	9.586	10.54	181.89	1.200	* 0.000	0.46	1.357	1.63	27.2	0.0	116.8
89.00		1.00	0.95	9.609	10.57	181.26	1.200	* 0.000	1.00	2.937	3.52	37.2	0.0	252.6
90.00		1.00	0.95	9.640	10.60	180.38	1.200	* 0.000	1.00	2.918	3.50	37.1	0.0	250.9
91.00		1.00	0.96	9.670	10.63	179.50	1.200	* 0.000	1.00	2.899	3.48	37.0	0.0	249.3
92.00		1.00	0.96	9.701	10.67	178.60	1.200	* 0.000	1.00	2.881	3.46	26.8	0.0	247.7
92.46	Top - Section 2	1.00	0.96	9.723	10.69	177.95	1.200	* 0.000	0.46	1.309	1.57	18.4	0.0	112.5
93.00		1.00	0.96	9.738	10.71	180.85	1.200	* 0.000	0.54	1.553	1.86	28.3	0.0	61.4
94.00		1.00	0.96	9.761	10.73	180.15	1.200	* 0.000	1.00	2.844	3.41	36.6	0.0	112.4
95.00		1.00	0.97	9.790	10.77	179.25	1.200	* 0.000	1.00	2.825	3.39	36.4	0.0	111.6
96.00	Appertunance(s)	1.00	0.97	9.820	10.80	178.34	1.200	* 0.000	1.00	2.807	3.37	36.3	0.0	110.9
97.00		1.00	0.97	9.849	10.83	177.42	1.200	* 0.000	1.00	2.788	3.35	36.2	0.0	110.1
98.00		1.00	0.98	9.878	10.86	176.50	1.200	* 0.000	1.00	2.770	3.32	36.0	0.0	109.4
99.00		1.00	0.98	9.907	10.89	175.57	1.200	* 0.000	1.00	2.751	3.30	35.9	0.0	108.7
100.0		1.00	0.98	9.936	10.92	174.64	1.200	* 0.000	1.00	2.732	3.28	35.8	0.0	107.9
101.0		1.00	0.99	9.964	10.96	173.70	1.200	* 0.000	1.00	2.714	3.26	35.6	0.0	107.2
102.0		1.00	0.99	9.992	10.99	172.76	1.200	* 0.000	1.00	2.695	3.23	35.5	0.0	106.4
103.0		1.00	0.99	10.020	11.02	171.81	1.200	* 0.000	1.00	2.677	3.21	35.3	0.0	105.7

Load Case: 1.0D + 1.0W		Serviceability 60 mph										33 Iterations	
Gust Response Factor : 1.10												Wind Importance Factor : 1.15	
Dead Load Factor : 1.00													
Wind Load Factor : 1.00													

104.0		1.00	0.99	10.048	11.05	170.85	1.200	* 0.000	1.00	2.658	3.19	26.4	0.0	105.0
104.5	Reinf. Top	1.00	1.00	10.069	11.07	170.13	1.200	* 0.000	0.50	1.322	1.59	17.6	0.0	52.2
105.0		1.00	1.00	10.083	11.09	169.65	1.200	* 0.000	0.50	1.317	1.58	26.2	0.0	52.0
106.0		1.00	1.00	10.103	11.11	168.93	1.200	* 0.000	1.00	2.621	3.15	34.9	0.0	103.5
107.0		1.00	1.00	10.131	11.14	167.96	1.200	* 0.000	1.00	2.602	3.12	34.7	0.0	102.7
108.0		1.00	1.00	10.158	11.17	166.98	1.200	* 0.000	1.00	2.584	3.10	34.6	0.0	102.0
109.0		1.00	1.01	10.185	11.20	166.00	1.200	* 0.000	1.00	2.565	3.08	34.4	0.0	101.3
110.0		1.00	1.01	10.211	11.23	165.01	1.200	* 0.000	1.00	2.547	3.06	34.2	0.0	100.5
111.0	Appertunance(s)	1.00	1.01	10.238	11.26	164.02	1.200	* 0.000	1.00	2.528	3.03	34.1	0.0	99.8
112.0		1.00	1.01	10.264	11.29	163.03	1.200	* 0.000	1.00	2.510	3.01	33.9	0.0	99.0
113.0	Appertunance(s)	1.00	1.02	10.291	11.32	162.03	1.200	* 0.000	1.00	2.491	2.99	33.8	0.0	98.3
114.0		1.00	1.02	10.317	11.34	161.02	1.200	* 0.000	1.00	2.472	2.97	33.6	0.0	97.6
115.0		1.00	1.02	10.342	11.37	160.02	1.200	* 0.000	1.00	2.454	2.94	33.4	0.0	96.8
116.0		1.00	1.03	10.368	11.40	159.00	1.200	* 0.000	1.00	2.435	2.92	33.2	0.0	96.1
117.0		1.00	1.03	10.394	11.43	157.98	1.200	* 0.000	1.00	2.417	2.90	33.1	0.0	95.3
118.0		1.00	1.03	10.419	11.46	156.96	1.200	* 0.000	1.00	2.398	2.88	32.9	0.0	94.6
119.0		1.00	1.03	10.444	11.48	155.93	1.200	* 0.000	1.00	2.380	2.86	32.7	0.0	93.9
120.0		1.00	1.04	10.470	11.51	154.90	1.200	* 0.000	1.00	2.361	2.83	32.5	0.0	93.1
121.0		1.00	1.04	10.494	11.54	153.87	1.200	* 0.000	1.00	2.342	2.81	32.4	0.0	92.4
122.0	Appertunance(s)	1.00	1.04	10.519	11.57	152.83	1.200	* 0.000	1.00	2.324	2.79	24.8	0.0	91.6
123.0		1.00	1.04	10.544	11.59	151.79	0.650	* 0.000	1.00	2.305	1.50	17.3	0.0	90.9
124.0		1.00	1.05	10.568	11.62	150.74	0.650	* 0.000	1.00	2.287	1.49	17.2	0.0	90.2
125.0		1.00	1.05	10.593	11.65	149.69	0.650	* 0.000	1.00	2.268	1.47	17.1	0.0	89.4
126.0		1.00	1.05	10.617	11.67	148.63	0.650	* 0.000	1.00	2.250	1.46	17.0	0.0	88.7
127.0		1.00	1.05	10.641	11.70	147.57	0.650	* 0.000	1.00	2.231	1.45	16.9	0.0	87.9
128.0		1.00	1.05	10.665	11.73	146.51	0.650	* 0.000	1.00	2.212	1.44	16.8	0.0	87.2
129.0		1.00	1.06	10.689	11.75	145.44	0.650	* 0.000	1.00	2.194	1.43	16.7	0.0	86.4
130.0		1.00	1.06	10.713	11.78	144.37	0.650	* 0.000	1.00	2.175	1.41	16.6	0.0	85.7
131.0		1.00	1.06	10.736	11.81	143.29	0.650	* 0.000	1.00	2.157	1.40	16.5	0.0	85.0
132.0		1.00	1.06	10.760	11.83	142.21	0.650	* 0.000	1.00	2.138	1.39	9.2	0.0	84.2
132.1	Bot - Section 4	1.00	1.07	10.773	11.85	141.61	0.650	* 0.000	0.12	0.255	0.17	8.3	0.0	10.0
133.0		1.00	1.07	10.784	11.86	141.07	0.650	* 0.000	0.88	1.893	1.23	15.5	0.0	118.4
134.0		1.00	1.07	10.806	11.88	140.05	0.650	* 0.000	1.00	2.133	1.39	16.4	0.0	133.4
135.0		1.00	1.07	10.829	11.91	138.96	0.650	* 0.000	1.00	2.114	1.37	15.3	0.0	132.2
135.8	Top - Section 3	1.00	1.07	10.851	11.93	137.93	0.650	* 0.000	0.87	1.824	1.19	8.1	0.0	114.0
136.0		1.00	1.07	10.862	11.94	139.51	0.650	* 0.000	0.13	0.272	0.18	9.1	0.0	6.5
137.0	Appertunance(s)	1.00	1.08	10.875	11.96	138.89	0.650	* 0.000	1.00	2.077	1.35	16.1	0.0	49.3
138.0		1.00	1.08	10.898	11.98	137.79	0.650	* 0.000	1.00	2.058	1.34	16.0	0.0	48.9
139.0		1.00	1.08	10.920	12.01	136.69	0.650	* 0.000	1.00	2.040	1.33	15.9	0.0	48.4
140.0	Appertunance(s)	1.00	1.08	10.943	12.03	135.58	0.650	* 0.000	1.00	2.021	1.31	15.8	0.0	48.0
141.0		1.00	1.08	10.965	12.06	134.47	0.650	* 0.000	1.00	2.003	1.30	15.6	0.0	47.5
142.0		1.00	1.09	10.987	12.08	133.36	0.650	* 0.000	1.00	1.984	1.29	15.5	0.0	47.1
143.0		1.00	1.09	11.010	12.11	132.25	0.650	* 0.000	1.00	1.966	1.28	15.4	0.0	46.7
144.0		1.00	1.09	11.032	12.13	131.13	0.650	* 0.000	1.00	1.947	1.27	15.3	0.0	46.2
145.0		1.00	1.09	11.053	12.15	130.01	0.650	* 0.000	1.00	1.928	1.25	15.2	0.0	45.8
146.0	Appertunance(s)	1.00	1.10	11.075	12.18	128.88	0.650	* 0.000	1.00	1.910	1.24	15.1	0.0	45.3
147.0		1.00	1.10	11.097	12.20	127.75	0.650	* 0.000	1.00	1.891	1.23	14.9	0.0	44.9
148.0		1.00	1.10	11.119	12.23	126.62	0.650	* 0.000	1.00	1.873	1.22	14.8	0.0	44.4
149.0		1.00	1.10	11.140	12.25	125.49	0.650	* 0.000	1.00	1.854	1.21	14.7	0.0	44.0
150.0		1.00	1.10	11.161	12.27	124.35	0.650	* 0.000	1.00	1.836	1.19	14.6	0.0	43.5
151.0		1.00	1.11	11.183	12.30	123.21	0.650	* 0.000	1.00	1.817	1.18	14.5	0.0	43.1
152.0	Appertunance(s)	1.00	1.11	11.204	12.32	122.07	0.650	* 0.000	1.00	1.799	1.17	14.3	0.0	42.7
153.0		1.00	1.11	11.225	12.34	120.92	0.650	* 0.000	1.00	1.780	1.16	14.2	0.0	42.2
154.0		1.00	1.11	11.246	12.37	119.77	0.650	* 0.000	1.00	1.761	1.14	14.1	0.0	41.8
155.0		1.00	1.11	11.267	12.39	118.62	0.650	* 0.000	1.00	1.743	1.13	14.0	0.0	41.3
156.0		1.00	1.12	11.288	12.41	117.46	0.650	* 0.000	1.00	1.724	1.12	13.9	0.0	40.9
157.0		1.00	1.12	11.308	12.43	116.30	0.650	* 0.000	1.00	1.706	1.11	13.7	0.0	40.4

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:46:59 PM

Customer: AT&T Mobility

Load Case: 1.0D + 1.0W	Serviceability 60 mph										33 Iterations	
Gust Response Factor : 1.10											Wind Importance Factor : 1.15	
Dead Load Factor : 1.00												
Wind Load Factor : 1.00												

158.0		1.00	1.12	11.329	12.46	115.14	0.650	* 0.000	1.00	1.687	1.10	13.6	0.0	40.0
159.0		1.00	1.12	11.349	12.48	113.98	0.650	* 0.000	1.00	1.669	1.08	13.5	0.0	39.5
160.0		1.00	1.12	11.370	12.50	112.81	0.650	* 0.000	1.00	1.650	1.07	19.0	0.0	39.1
161.0		1.00	1.13	11.390	12.52	111.64	1.200	* 0.000	1.00	1.631	1.96	24.4	0.0	38.7
162.0		1.00	1.13	11.410	12.55	110.47	1.200	* 0.000	1.00	1.613	1.94	24.2	0.0	38.2
163.0	Appertunance(s)	1.00	1.13	11.431	12.57	109.29	1.200	* 0.000	1.00	1.594	1.91	18.5	0.0	37.8
164.0		1.00	1.13	11.451	12.59	108.11	0.650	0.000	1.00	1.576	1.02	12.8	0.0	37.3
165.0		1.00	1.13	11.471	12.61	106.93	0.650	0.000	1.00	1.557	1.01	12.7	0.0	36.9
166.0		1.00	1.14	11.490	12.63	105.75	0.650	0.000	1.00	1.539	1.00	12.6	0.0	36.4
167.0		1.00	1.14	11.510	12.66	104.56	0.650	0.000	1.00	1.520	0.99	12.4	0.0	36.0
168.0		1.00	1.14	11.530	12.68	103.37	0.650	0.000	1.00	1.501	0.98	12.3	0.0	35.6
169.0		1.00	1.14	11.550	12.70	102.18	0.650	0.000	1.00	1.483	0.96	12.2	0.0	35.1
170.0		1.00	1.14	11.569	12.72	100.99	0.650	0.000	1.00	1.464	0.95	12.0	0.0	34.7
171.0		1.00	1.15	11.589	12.74	99.795	0.650	0.000	1.00	1.446	0.94	11.9	0.0	34.2
172.0		1.00	1.15	11.608	12.76	98.595	0.650	0.000	1.00	1.427	0.93	11.8	0.0	33.8
173.0		1.00	1.15	11.627	12.79	97.393	0.650	0.000	1.00	1.409	0.92	11.6	0.0	33.3
174.0		1.00	1.15	11.646	12.81	96.189	0.650	0.000	1.00	1.390	0.90	11.5	0.0	32.9
175.0		1.00	1.15	11.666	12.83	94.982	0.650	0.000	1.00	1.371	0.89	11.4	0.0	32.4
176.0		1.00	1.16	11.685	12.85	93.772	0.650	0.000	1.00	1.353	0.88	11.2	0.0	32.0
177.0		1.00	1.16	11.704	12.87	92.560	0.650	0.000	1.00	1.334	0.87	11.1	0.0	31.6
178.0		1.00	1.16	11.723	12.89	91.346	0.650	0.000	1.00	1.316	0.86	11.0	0.0	31.1
179.0		1.00	1.16	11.741	12.91	90.129	0.650	0.000	1.00	1.297	0.84	10.8	0.0	30.7
180.0	Appertunance(s)	1.00	1.16	11.760	12.93	88.910	0.650	0.000	1.00	1.279	0.83	5.4	0.0	30.2
* = Cf Adjusted By Linear Load Ra Effect									Totals:	180.00		4,596.8	0.0	25,271.1

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:16 PM

Customer: AT&T Mobility

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.00

Wind Load Factor : 1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
		Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		11.2	0.0					0.0	0.0	11.2	0.0	0.0	0.0
1.00		22.4	246.7					0.0	174.8	22.4	421.5	0.0	0.0
2.00		22.3	245.6					0.0	174.8	22.3	420.4	0.0	0.0
3.00		22.2	244.6					0.0	174.8	22.2	419.4	0.0	0.0
4.00		22.1	243.5					0.0	174.8	22.1	418.4	0.0	0.0
5.00		22.0	242.5					0.0	174.8	22.0	417.3	0.0	0.0
6.00		21.9	241.5					0.0	174.8	21.9	416.3	0.0	0.0
7.00		21.8	240.4					0.0	174.8	21.8	415.3	0.0	0.0
8.00		21.7	239.4					0.0	174.8	21.7	414.2	0.0	0.0
9.00		21.7	238.4					0.0	174.8	21.7	413.2	0.0	0.0
10.00		21.6	237.3					0.0	174.8	21.6	412.2	0.0	0.0
11.00		21.5	236.3					0.0	174.8	21.5	411.1	0.0	0.0
12.00		21.4	235.3					0.0	174.8	21.4	410.1	0.0	0.0
13.00		21.3	234.2					0.0	174.8	21.3	409.0	0.0	0.0
14.00		21.2	233.2					0.0	174.8	21.2	408.0	0.0	0.0
15.00		21.1	232.1					0.0	174.8	21.1	407.0	0.0	0.0
16.00		21.0	231.1					0.0	174.8	21.0	405.9	0.0	0.0
17.00		20.9	230.1					0.0	174.8	20.9	404.9	0.0	0.0
18.00		20.8	229.0					0.0	174.8	20.8	403.9	0.0	0.0
19.00		20.7	228.0					0.0	174.8	20.7	402.8	0.0	0.0
20.00		20.6	227.0					0.0	174.8	20.6	401.8	0.0	0.0
21.00		20.5	225.9					0.0	174.8	20.5	400.7	0.0	0.0
22.00		20.4	224.9					0.0	174.8	20.4	399.7	0.0	0.0
23.00		20.3	223.8					0.0	174.8	20.3	398.7	0.0	0.0
24.00		20.2	222.8					0.0	174.8	20.2	397.6	0.0	0.0
25.00		20.2	221.8					0.0	174.8	20.2	396.6	0.0	0.0
26.00		20.1	220.7					0.0	174.8	20.1	395.6	0.0	0.0
27.00		20.0	219.7					0.0	174.8	20.0	394.5	0.0	0.0
28.00		19.9	218.7					0.0	174.8	19.9	393.5	0.0	0.0
29.00		19.8	217.6					0.0	174.8	19.8	392.4	0.0	0.0
30.00	Appertunance(s)	19.7	216.6	7.8	0.0	0.0	10.0	0.0	174.8	27.5	401.4	0.0	0.0
31.00		19.8	215.6					0.0	174.5	19.8	390.0	0.0	0.0
32.00		19.9	214.5					0.0	174.5	19.9	389.0	0.0	0.0
33.00		20.0	213.5					0.0	174.5	20.0	388.0	0.0	0.0
34.00		20.0	212.4					0.0	174.5	20.0	386.9	0.0	0.0
35.00		20.1	211.4					0.0	174.5	20.1	385.9	0.0	0.0
36.00		20.2	210.4					0.0	174.5	20.2	384.9	0.0	0.0
37.00		20.2	209.3					0.0	174.5	20.2	383.8	0.0	0.0
38.00		20.3	208.3					0.0	174.5	20.3	382.8	0.0	0.0
39.00		20.3	207.3					0.0	174.5	20.3	381.8	0.0	0.0
40.00		20.4	206.2					0.0	174.5	20.4	380.7	0.0	0.0
41.00		20.4	205.2					0.0	174.5	20.4	379.7	0.0	0.0
42.00		20.0	204.1					0.0	174.5	20.0	378.6	0.0	0.0
42.96	Bot - Section 2	10.2	194.3					0.0	166.9	10.2	361.2	0.0	0.0
43.00		10.9	16.5					0.0	7.6	10.9	24.1	0.0	0.0
44.00		20.9	378.6					0.0	174.5	20.9	553.1	0.0	0.0
45.00		20.9	376.6					0.0	174.5	20.9	551.1	0.0	0.0
46.00		29.8	374.7					0.0	174.5	29.8	549.2	0.0	0.0
47.00		38.7	372.8					7.6	174.5	46.3	547.3	0.0	0.0

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:16 PM

Customer: AT&T Mobility

Load Case: 1.0D + 1.0W	Serviceability 60 mph				33 Iterations			
Gust Response Factor : 1.10					Wind Importance Factor : 1.15			
Dead Load Factor : 1.00								
Wind Load Factor : 1.00								

48.00		38.7	370.9					7.7	174.5	46.4	545.4	0.0	0.0
49.00		20.1	368.9					7.7	174.5	27.8	543.4	0.0	0.0
49.04	Top - Section 1	10.9	14.7					0.3	7.0	11.2	21.6	0.0	0.0
50.00		29.5	164.3					0.0	167.5	29.5	331.8	0.0	0.0
51.00		38.8	170.3					7.8	174.5	46.6	344.8	0.0	0.0
52.00		38.8	169.4					7.8	174.5	46.6	343.9	0.0	0.0
53.00		38.8	168.5					7.9	174.5	46.7	343.0	0.0	0.0
54.00		38.8	167.6					7.9	174.5	46.7	342.1	0.0	0.0
55.00		38.8	166.7					8.0	174.5	46.8	341.2	0.0	0.0
56.00		38.8	165.8					8.0	174.5	46.8	340.3	0.0	0.0
57.00		38.8	164.9					8.0	174.5	46.8	339.4	0.0	0.0
58.00		38.8	164.1					8.1	174.5	46.9	338.5	0.0	0.0
59.00		38.8	163.2					8.1	174.5	46.9	337.7	0.0	0.0
60.00		38.7	162.3					8.2	174.5	46.9	336.8	0.0	0.0
61.00		38.7	161.4					8.2	174.5	46.9	335.9	0.0	0.0
62.00		38.7	160.5					8.2	174.5	46.9	335.0	0.0	0.0
63.00		38.6	159.6					8.3	174.5	46.9	334.1	0.0	0.0
64.00		38.6	158.7					8.3	174.5	46.9	333.2	0.0	0.0
65.00		38.6	157.8					8.4	174.5	46.9	332.3	0.0	0.0
66.00		38.5	156.9					8.4	174.5	46.9	331.4	0.0	0.0
67.00		38.5	156.1					8.4	174.5	46.9	330.5	0.0	0.0
68.00		38.4	155.2					8.5	174.5	46.9	329.7	0.0	0.0
69.00		38.3	154.3					8.5	174.5	46.8	328.8	0.0	0.0
70.00		38.3	153.4					8.5	174.5	46.8	327.9	0.0	0.0
71.00		38.2	152.5					8.6	174.5	46.8	327.0	0.0	0.0
72.00		38.1	151.6					8.6	174.5	46.7	326.1	0.0	0.0
73.00		38.1	150.7					8.6	174.5	46.7	325.2	0.0	0.0
74.00		38.0	149.8					8.7	174.5	46.7	324.3	0.0	0.0
75.00		37.9	148.9					8.7	174.5	46.6	323.4	0.0	0.0
76.00		37.8	148.1					8.7	174.5	46.6	322.5	0.0	0.0
77.00		37.8	147.2					8.8	174.5	46.5	321.7	0.0	0.0
78.00		37.7	146.3					8.8	174.5	46.5	320.8	0.0	0.0
79.00	Appertunance(s)	37.6	145.4	0.9	0.0	0.0	0.6	8.8	174.5	47.3	320.5	0.0	0.0
80.00	Appertunance(s)	37.5	144.5	483.2	0.0	0.0	278.0	8.9	174.3	529.5	596.8	0.0	0.0
81.00		37.4	143.6					8.9	173.8	46.3	317.4	0.0	0.0
82.00		37.3	142.7					8.9	173.8	46.2	316.6	0.0	0.0
83.00		37.2	141.8					9.0	173.8	46.1	315.7	0.0	0.0
84.00		37.1	140.9					9.0	173.8	46.1	314.8	0.0	0.0
85.00		37.0	140.1					9.0	173.8	46.0	313.9	0.0	0.0
86.00		36.9	139.2					9.1	173.8	45.9	313.0	0.0	0.0
87.00		28.3	138.3					9.1	173.8	37.4	312.1	0.0	0.0
87.54	Bot - Section 3	18.5	74.3					4.9	93.9	23.4	168.1	0.0	0.0
88.00		27.2	116.8					4.2	80.0	31.4	196.7	0.0	0.0
89.00		37.2	252.6					9.1	173.8	46.3	426.4	0.0	0.0
90.00		37.1	250.9					9.2	173.8	46.2	424.8	0.0	0.0
91.00		37.0	249.3					9.2	173.8	46.2	423.1	0.0	0.0
92.00		26.8	247.7					9.2	173.8	36.1	421.5	0.0	0.0
92.46	Top - Section 2	18.4	112.5					4.2	79.4	22.6	191.9	0.0	0.0
93.00		28.3	61.4					5.0	94.5	33.3	155.8	0.0	0.0
94.00		36.6	112.4					9.3	173.8	45.9	286.2	0.0	0.0
95.00		36.4	111.6					9.3	173.8	45.8	285.5	0.0	0.0
96.00	Appertunance(s)	36.3	110.9	157.4	0.0	-31.6	486.6	9.3	173.8	203.1	771.3	0.0	0.0
97.00		36.2	110.1					9.4	173.0	45.6	283.2	0.0	0.0
98.00		36.0	109.4					9.4	173.0	45.4	282.4	0.0	0.0
99.00		35.9	108.7					9.4	173.0	45.3	281.7	0.0	0.0
100.00		35.8	107.9					9.5	173.0	45.2	280.9	0.0	0.0
101.00		35.6	107.2					9.5	173.0	45.1	280.2	0.0	0.0

Load Case: 1.0D + 1.0W	Serviceability 60 mph						33 Iterations	
Gust Response Factor : 1.10							Wind Importance Factor : 1.15	
Dead Load Factor : 1.00								
Wind Load Factor : 1.00								

102.00		35.5	106.4				9.5	173.0	45.0	279.5	0.0	0.0	
103.00		35.3	105.7				9.5	173.0	44.9	278.7	0.0	0.0	
104.00		26.4	105.0				9.6	173.0	36.0	278.0	0.0	0.0	
104.50	Reinf. Top	17.6	52.2				4.8	86.5	22.3	138.7	0.0	0.0	
105.00		26.2	52.0				4.8	53.1	31.0	105.1	0.0	0.0	
106.00		34.9	103.5				9.6	106.2	44.5	209.7	0.0	0.0	
107.00		34.7	102.7				9.6	106.2	44.4	209.0	0.0	0.0	
108.00		34.6	102.0				9.7	106.2	44.2	208.2	0.0	0.0	
109.00		34.4	101.3				9.7	106.2	44.1	207.5	0.0	0.0	
110.00		34.2	100.5				9.7	106.2	44.0	206.7	0.0	0.0	
111.00	Appertunance(s)	34.1	99.8	118.7	0.0	0.0	79.2	9.7	106.2	162.5	285.2	0.0	0.0
112.00		33.9	99.0					9.8	101.3	43.7	200.3	0.0	0.0
113.00	Appertunance(s)	33.8	98.3	536.6	0.0	0.0	1,668.0	12.0	79.8	582.4	1,846.1	0.0	0.0
114.00		33.6	97.6					9.0	50.7	42.6	148.3	0.0	0.0
115.00		33.4	96.8					9.0	50.7	42.4	147.6	0.0	0.0
116.00		33.2	96.1					9.0	50.7	42.3	146.8	0.0	0.0
117.00		33.1	95.3					9.1	50.7	42.1	146.1	0.0	0.0
118.00		32.9	94.6					9.1	50.7	42.0	145.3	0.0	0.0
119.00		32.7	93.9					9.1	50.7	41.8	144.6	0.0	0.0
120.00		32.5	93.1					9.1	50.7	41.7	143.9	0.0	0.0
121.00		32.4	92.4					9.1	50.7	41.5	143.1	0.0	0.0
122.00	Appertunance(s)	24.8	91.6	920.6	0.0	0.0	1,773.1	9.2	50.7	954.6	1,915.5	0.0	0.0
123.00		17.3	90.9					0.0	40.9	17.3	131.8	0.0	0.0
124.00		17.2	90.2					0.0	40.9	17.2	131.1	0.0	0.0
125.00		17.1	89.4					0.0	40.9	17.1	130.3	0.0	0.0
126.00		17.0	88.7					0.0	40.9	17.0	129.6	0.0	0.0
127.00		16.9	87.9					0.0	40.9	16.9	128.8	0.0	0.0
128.00		16.8	87.2					0.0	40.9	16.8	128.1	0.0	0.0
129.00		16.7	86.4					0.0	40.9	16.7	127.4	0.0	0.0
130.00		16.6	85.7					0.0	40.9	16.6	126.6	0.0	0.0
131.00		16.5	85.0					0.0	40.9	16.5	125.9	0.0	0.0
132.00		9.2	84.2					0.0	40.9	9.2	125.1	0.0	0.0
132.12	Bot - Section 4	8.3	10.0					0.0	4.9	8.3	14.9	0.0	0.0
133.00		15.5	118.4					0.0	36.0	15.5	154.4	0.0	0.0
134.00		16.4	133.4					0.0	40.9	16.4	174.3	0.0	0.0
135.00		15.3	132.2					0.0	40.9	15.3	173.1	0.0	0.0
135.87	Top - Section 3	8.1	114.0					0.0	35.6	8.1	149.6	0.0	0.0
136.00		9.1	6.5					0.0	5.3	9.1	11.8	0.0	0.0
137.00	Appertunance(s)	16.1	49.3	1,014.5	0.0	0.0	3,015.8	0.0	40.9	1,030.6	3,106.0	0.0	0.0
138.00		16.0	48.9					0.0	37.2	16.0	86.1	0.0	0.0
139.00		15.9	48.4					0.0	37.2	15.9	85.6	0.0	0.0
140.00	Appertunance(s)	15.8	48.0	144.7	0.0	-15.7	505.0	0.0	37.2	160.4	590.2	0.0	0.0
141.00		15.6	47.5					0.0	36.6	15.6	84.1	0.0	0.0
142.00		15.5	47.1					0.0	36.6	15.5	83.7	0.0	0.0
143.00		15.4	46.7					0.0	36.6	15.4	83.2	0.0	0.0
144.00		15.3	46.2					0.0	36.6	15.3	82.8	0.0	0.0
145.00		15.2	45.8					0.0	36.6	15.2	82.3	0.0	0.0
146.00	Appertunance(s)	15.1	45.3	447.6	0.0	128.1	716.0	0.0	36.6	462.6	797.9	0.0	0.0
147.00		14.9	44.9					0.0	30.7	14.9	75.6	0.0	0.0
148.00		14.8	44.4					0.0	30.7	14.8	75.1	0.0	0.0
149.00		14.7	44.0					0.0	30.7	14.7	74.7	0.0	0.0
150.00		14.6	43.5					0.0	30.7	14.6	74.2	0.0	0.0
151.00		14.5	43.1					0.0	30.7	14.5	73.8	0.0	0.0
152.00	Appertunance(s)	14.3	42.7	56.5	0.0	0.0	158.3	0.0	30.7	70.8	231.6	0.0	0.0
153.00		14.2	42.2					0.0	29.9	14.2	72.1	0.0	0.0
154.00		14.1	41.8					0.0	29.9	14.1	71.6	0.0	0.0
155.00		14.0	41.3					0.0	29.9	14.0	71.2	0.0	0.0

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:16 PM

Customer: AT&T Mobility

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.00

Wind Load Factor : 1.00

156.00		13.9	40.9					0.0	29.9	13.9	70.7	0.0	0.0
157.00		13.7	40.4					0.0	29.9	13.7	70.3	0.0	0.0
158.00		13.6	40.0					0.0	29.9	13.6	69.9	0.0	0.0
159.00		13.5	39.5					0.0	29.9	13.5	69.4	0.0	0.0
160.00		19.0	39.1					0.0	29.9	19.0	69.0	0.0	0.0
161.00		24.4	38.7					5.0	29.9	29.4	68.5	0.0	0.0
162.00		24.2	38.2					5.0	29.9	29.1	68.1	0.0	0.0
163.00	Appertunance(s)	18.5	37.8	448.7	0.0	0.0	1,276.5	5.0	29.9	472.2	1,344.1	0.0	0.0
164.00		12.8	37.3					0.0	19.0	12.8	56.3	0.0	0.0
165.00		12.7	36.9					0.0	19.0	12.7	55.9	0.0	0.0
166.00		12.6	36.4					0.0	19.0	12.6	55.5	0.0	0.0
167.00		12.4	36.0					0.0	19.0	12.4	55.0	0.0	0.0
168.00		12.3	35.6					0.0	19.0	12.3	54.6	0.0	0.0
169.00		12.2	35.1					0.0	19.0	12.2	54.1	0.0	0.0
170.00		12.0	34.7					0.0	19.0	12.0	53.7	0.0	0.0
171.00		11.9	34.2					0.0	19.0	11.9	53.2	0.0	0.0
172.00		11.8	33.8					0.0	19.0	11.8	52.8	0.0	0.0
173.00		11.6	33.3					0.0	19.0	11.6	52.3	0.0	0.0
174.00		11.5	32.9					0.0	19.0	11.5	51.9	0.0	0.0
175.00		11.4	32.4					0.0	19.0	11.4	51.5	0.0	0.0
176.00		11.2	32.0					0.0	19.0	11.2	51.0	0.0	0.0
177.00		11.1	31.6					0.0	19.0	11.1	50.6	0.0	0.0
178.00		11.0	31.1					0.0	19.0	11.0	50.1	0.0	0.0
179.00		10.8	30.7					0.0	19.0	10.8	49.7	0.0	0.0
180.00		5.4	30.2					0.0	19.0	5.4	49.2	0.0	0.0
									Totals:	9,615.67	56,568.1	0.00	0.00

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:16 PM

Customer: AT&T Mobility

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.00

Wind Load Factor : 1.00

Calculated Forces

Seg	Pu	Vu	Tu	Mu	Mu	Resultant	phi	phi	phi	phi	Total	Rotation	Ratio
Elev	FY (-)	FX (-)	MY	MZ	MX	Moment	Pn	Vn	Tn	Mn	Deflect	(deg)	
(ft)	(kips)	(kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)		
0.00	-58.84	-10.47	0.00	-1,196.15	0.00	1,196.15	5,102.86	2,551.43	10,963.2	5,489.79	0.00	0.00	0.170
1.00	-58.42	-10.46	0.00	-1,185.67	0.00	1,185.67	5,088.23	2,544.11	10,885.6	5,450.89	0.00	-0.01	0.170
2.00	-58.00	-10.45	0.00	-1,175.21	0.00	1,175.21	5,073.54	2,536.77	10,808.0	5,412.06	0.00	-0.02	0.169
3.00	-57.58	-10.44	0.00	-1,164.76	0.00	1,164.76	5,058.79	2,529.39	10,730.6	5,373.31	0.01	-0.03	0.169
4.00	-57.16	-10.42	0.00	-1,154.33	0.00	1,154.33	5,043.98	2,521.99	10,653.4	5,334.64	0.02	-0.04	0.168
5.00	-56.74	-10.41	0.00	-1,143.90	0.00	1,143.90	5,029.12	2,514.56	10,576.3	5,296.03	0.03	-0.05	0.167
6.00	-56.32	-10.40	0.00	-1,133.49	0.00	1,133.49	5,014.20	2,507.10	10,499.4	5,257.51	0.04	-0.06	0.167
7.00	-55.90	-10.39	0.00	-1,123.09	0.00	1,123.09	4,999.22	2,499.61	10,422.6	5,219.05	0.05	-0.07	0.166
8.00	-55.48	-10.38	0.00	-1,112.70	0.00	1,112.70	4,984.19	2,492.10	10,345.9	5,180.68	0.07	-0.08	0.166
9.00	-55.07	-10.36	0.00	-1,102.33	0.00	1,102.33	4,969.10	2,484.55	10,269.5	5,142.38	0.09	-0.09	0.165
10.00	-54.66	-10.35	0.00	-1,091.96	0.00	1,091.96	4,953.95	2,476.98	10,193.1	5,104.17	0.11	-0.10	0.165
11.00	-54.24	-10.34	0.00	-1,081.62	0.00	1,081.62	4,938.75	2,469.37	10,117.0	5,066.03	0.13	-0.11	0.164
12.00	-53.83	-10.32	0.00	-1,071.28	0.00	1,071.28	4,923.49	2,461.74	10,041.0	5,027.97	0.15	-0.12	0.163
13.00	-53.42	-10.31	0.00	-1,060.95	0.00	1,060.95	4,908.17	2,454.08	9,965.17	4,989.99	0.18	-0.13	0.163
14.00	-53.01	-10.30	0.00	-1,050.64	0.00	1,050.64	4,892.79	2,446.40	9,889.49	4,952.10	0.21	-0.14	0.162
15.00	-52.60	-10.29	0.00	-1,040.34	0.00	1,040.34	4,877.36	2,438.68	9,813.98	4,914.28	0.24	-0.15	0.162
16.00	-52.19	-10.27	0.00	-1,030.06	0.00	1,030.06	4,861.87	2,430.94	9,738.63	4,876.55	0.27	-0.16	0.161
17.00	-51.79	-10.26	0.00	-1,019.78	0.00	1,019.78	4,846.32	2,423.16	9,663.45	4,838.91	0.31	-0.17	0.160
18.00	-51.38	-10.25	0.00	-1,009.52	0.00	1,009.52	4,830.72	2,415.36	9,588.44	4,801.34	0.35	-0.18	0.160
19.00	-50.98	-10.24	0.00	-999.27	0.00	999.27	4,815.06	2,407.53	9,513.60	4,763.87	0.38	-0.19	0.159
20.00	-50.57	-10.22	0.00	-989.04	0.00	989.04	4,799.34	2,399.67	9,438.93	4,726.48	0.43	-0.20	0.158
21.00	-50.17	-10.21	0.00	-978.81	0.00	978.81	4,783.57	2,391.78	9,364.44	4,689.18	0.47	-0.21	0.158
22.00	-49.77	-10.20	0.00	-968.60	0.00	968.60	4,767.74	2,383.87	9,290.12	4,651.96	0.52	-0.22	0.157
23.00	-49.37	-10.18	0.00	-958.41	0.00	958.41	4,751.85	2,375.92	9,215.98	4,614.84	0.56	-0.24	0.156
24.00	-48.97	-10.17	0.00	-948.22	0.00	948.22	4,735.90	2,367.95	9,142.01	4,577.80	0.62	-0.25	0.156
25.00	-48.57	-10.16	0.00	-938.05	0.00	938.05	4,719.90	2,359.95	9,068.23	4,540.86	0.67	-0.26	0.155
26.00	-48.17	-10.15	0.00	-927.89	0.00	927.89	4,703.84	2,351.92	8,994.63	4,504.00	0.72	-0.27	0.154
27.00	-47.78	-10.13	0.00	-917.75	0.00	917.75	4,687.72	2,343.86	8,921.22	4,467.24	0.78	-0.28	0.154
28.00	-47.38	-10.12	0.00	-907.61	0.00	907.61	4,671.55	2,335.77	8,847.98	4,430.57	0.84	-0.29	0.153
29.00	-46.99	-10.11	0.00	-897.50	0.00	897.50	4,655.31	2,327.66	8,774.94	4,393.99	0.90	-0.30	0.152
30.00	-46.59	-10.09	0.00	-887.39	0.00	887.39	4,639.03	2,319.51	8,702.08	4,357.51	0.96	-0.31	0.151
31.00	-46.19	-10.07	0.00	-877.30	0.00	877.30	4,622.68	2,311.34	8,629.41	4,321.12	1.03	-0.32	0.151
32.00	-45.80	-10.06	0.00	-867.23	0.00	867.23	4,606.28	2,303.14	8,556.93	4,284.83	1.10	-0.33	0.150
33.00	-45.41	-10.04	0.00	-857.18	0.00	857.18	4,589.82	2,294.91	8,484.65	4,248.63	1.17	-0.34	0.149
34.00	-45.02	-10.03	0.00	-847.13	0.00	847.13	4,573.30	2,286.65	8,412.56	4,212.53	1.24	-0.35	0.148
35.00	-44.64	-10.02	0.00	-837.10	0.00	837.10	4,556.73	2,278.36	8,340.67	4,176.53	1.32	-0.36	0.148
36.00	-44.25	-10.00	0.00	-827.09	0.00	827.09	4,540.10	2,270.05	8,268.97	4,140.63	1.39	-0.37	0.147
37.00	-43.86	-9.99	0.00	-817.08	0.00	817.08	4,523.41	2,261.70	8,197.47	4,104.83	1.47	-0.38	0.146
38.00	-43.48	-9.97	0.00	-807.10	0.00	807.10	4,506.66	2,253.33	8,126.17	4,069.13	1.55	-0.39	0.145
39.00	-43.10	-9.96	0.00	-797.13	0.00	797.13	4,489.86	2,244.93	8,055.08	4,033.53	1.64	-0.40	0.144
40.00	-42.71	-9.94	0.00	-787.17	0.00	787.17	4,473.00	2,236.50	7,984.18	3,998.03	1.72	-0.41	0.144
41.00	-42.33	-9.93	0.00	-777.23	0.00	777.23	4,456.09	2,228.04	7,913.50	3,962.63	1.81	-0.43	0.143
42.00	-41.95	-9.91	0.00	-767.30	0.00	767.30	4,439.11	2,219.56	7,843.02	3,927.34	1.90	-0.44	0.142
42.96	-41.59	-9.90	0.00	-757.82	0.00	757.82	4,422.82	2,211.41	7,775.79	3,893.68	1.99	-0.45	0.141
43.00	-41.57	-9.90	0.00	-757.39	0.00	757.39	4,422.08	2,211.04	7,772.74	3,892.15	1.99	-0.45	0.140
44.00	-41.01	-9.88	0.00	-747.50	0.00	747.50	4,400.67	2,200.33	7,695.11	3,853.28	2.09	-0.46	0.139
45.00	-40.46	-9.86	0.00	-737.62	0.00	737.62	4,378.03	2,189.01	7,615.75	3,813.53	2.19	-0.47	0.138
46.00	-39.91	-9.83	0.00	-727.76	0.00	727.76	4,355.39	2,177.70	7,536.79	3,773.99	2.29	-0.48	0.138
47.00	-39.36	-9.79	0.00	-717.93	0.00	717.93	4,332.75	2,166.38	7,458.24	3,734.66	2.39	-0.49	0.137
48.00	-38.81	-9.75	0.00	-708.14	0.00	708.14	4,310.11	2,155.06	7,380.10	3,695.54	2.49	-0.50	0.136
49.00	-38.27	-9.72	0.00	-698.39	0.00	698.39	4,287.47	2,143.74	7,302.38	3,656.62	2.60	-0.51	0.135

Site Number: 302506

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:16 PM

Customer: AT&T Mobility

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.00

Wind Load Factor : 1.00

49.04	-38.25	-9.71	0.00	-698.00	0.00	698.00	3,604.17	1,802.08	6,267.69	3,138.50	2.60	-0.51	0.153
50.00	-37.91	-9.68	0.00	-688.68	0.00	688.68	3,591.50	1,795.75	6,214.33	3,111.78	2.70	-0.52	0.152
51.00	-37.57	-9.64	0.00	-679.00	0.00	679.00	3,578.26	1,789.13	6,158.90	3,084.03	2.81	-0.53	0.150
52.00	-37.22	-9.60	0.00	-669.36	0.00	669.36	3,564.96	1,782.48	6,103.60	3,056.34	2.93	-0.54	0.149
53.00	-36.88	-9.56	0.00	-659.76	0.00	659.76	3,551.60	1,775.80	6,048.46	3,028.72	3.04	-0.55	0.148
54.00	-36.53	-9.51	0.00	-650.21	0.00	650.21	3,538.18	1,769.09	5,993.45	3,001.18	3.16	-0.57	0.147
55.00	-36.19	-9.47	0.00	-640.70	0.00	640.70	3,524.70	1,762.35	5,938.60	2,973.71	3.28	-0.58	0.146
56.00	-35.85	-9.43	0.00	-631.23	0.00	631.23	3,511.17	1,755.59	5,883.90	2,946.32	3.40	-0.59	0.145
57.00	-35.51	-9.38	0.00	-621.80	0.00	621.80	3,497.59	1,748.79	5,829.34	2,919.00	3.53	-0.60	0.143
58.00	-35.17	-9.34	0.00	-612.42	0.00	612.42	3,483.94	1,741.97	5,774.94	2,891.76	3.65	-0.61	0.142
59.00	-34.83	-9.30	0.00	-603.08	0.00	603.08	3,470.24	1,735.12	5,720.69	2,864.60	3.78	-0.62	0.141
60.00	-34.49	-9.25	0.00	-593.79	0.00	593.79	3,456.48	1,728.24	5,666.60	2,837.51	3.91	-0.63	0.140
61.00	-34.15	-9.21	0.00	-584.53	0.00	584.53	3,442.66	1,721.33	5,612.67	2,810.51	4.05	-0.64	0.139
62.00	-33.82	-9.16	0.00	-575.33	0.00	575.33	3,428.79	1,714.39	5,558.89	2,783.58	4.18	-0.65	0.137
63.00	-33.48	-9.12	0.00	-566.16	0.00	566.16	3,414.86	1,707.43	5,505.28	2,756.73	4.32	-0.67	0.136
64.00	-33.15	-9.07	0.00	-557.05	0.00	557.05	3,400.87	1,700.44	5,451.82	2,729.96	4.46	-0.68	0.135
65.00	-32.81	-9.03	0.00	-547.97	0.00	547.97	3,386.83	1,693.41	5,398.53	2,703.28	4.61	-0.69	0.134
66.00	-32.48	-8.98	0.00	-538.94	0.00	538.94	3,372.72	1,686.36	5,345.41	2,676.68	4.75	-0.70	0.133
67.00	-32.15	-8.94	0.00	-529.96	0.00	529.96	3,358.57	1,679.28	5,292.45	2,650.16	4.90	-0.71	0.131
68.00	-31.82	-8.90	0.00	-521.02	0.00	521.02	3,344.35	1,672.18	5,239.65	2,623.72	5.05	-0.72	0.130
69.00	-31.49	-8.85	0.00	-512.12	0.00	512.12	3,330.08	1,665.04	5,187.03	2,597.37	5.20	-0.73	0.129
70.00	-31.16	-8.81	0.00	-503.27	0.00	503.27	3,315.75	1,657.87	5,134.58	2,571.11	5.36	-0.74	0.127
71.00	-30.83	-8.76	0.00	-494.47	0.00	494.47	3,301.36	1,650.68	5,082.30	2,544.93	5.51	-0.75	0.126
72.00	-30.51	-8.71	0.00	-485.71	0.00	485.71	3,286.92	1,643.46	5,030.20	2,518.84	5.67	-0.76	0.125
73.00	-30.18	-8.67	0.00	-476.99	0.00	476.99	3,272.42	1,636.21	4,978.27	2,492.84	5.83	-0.77	0.124
74.00	-29.85	-8.62	0.00	-468.32	0.00	468.32	3,257.86	1,628.93	4,926.52	2,466.92	6.00	-0.79	0.122
75.00	-29.53	-8.58	0.00	-459.70	0.00	459.70	3,242.30	1,621.15	4,873.54	2,440.39	6.16	-0.80	0.121
76.00	-29.21	-8.53	0.00	-451.12	0.00	451.12	3,222.90	1,611.45	4,815.08	2,411.12	6.33	-0.81	0.120
77.00	-28.88	-8.49	0.00	-442.59	0.00	442.59	3,203.49	1,601.75	4,756.98	2,382.03	6.50	-0.82	0.119
78.00	-28.56	-8.44	0.00	-434.11	0.00	434.11	3,184.09	1,592.04	4,699.23	2,353.11	6.67	-0.83	0.117
79.00	-28.24	-8.39	0.00	-425.66	0.00	425.66	3,164.68	1,582.34	4,641.84	2,324.37	6.85	-0.84	0.116
80.00	-27.92	-8.34	0.00	-417.27	0.00	417.27	3,145.28	1,572.64	4,584.79	2,295.80	7.02	-0.85	0.115
81.00	-27.60	-8.29	0.00	-408.94	0.00	408.94	3,125.87	1,562.94	4,528.10	2,267.42	7.20	-0.86	0.114
82.00	-27.28	-8.24	0.00	-400.66	0.00	400.66	3,106.47	1,553.24	4,471.77	2,239.21	7.38	-0.87	0.113
83.00	-26.96	-8.19	0.00	-392.43	0.00	392.43	3,087.07	1,543.53	4,415.78	2,211.17	7.57	-0.88	0.111
84.00	-26.64	-8.14	0.00	-384.25	0.00	384.25	3,067.66	1,533.83	4,360.15	2,183.32	7.75	-0.89	0.110
85.00	-26.32	-8.09	0.00	-376.12	0.00	376.12	3,048.26	1,524.13	4,304.87	2,155.63	7.94	-0.90	0.109
86.00	-26.00	-8.04	0.00	-368.04	0.00	368.04	3,028.85	1,514.43	4,249.94	2,128.13	8.13	-0.91	0.108
87.00	-25.68	-7.99	0.00	-360.01	0.00	360.01	3,009.45	1,504.72	4,195.37	2,100.80	8.32	-0.92	0.107
87.54	-25.27	-7.92	0.00	-352.14	0.00	352.14	2,998.97	1,499.48	4,166.05	2,086.12	8.43	-0.93	0.106
88.00	-25.08	-7.87	0.00	-344.41	0.00	344.41	2,990.04	1,495.02	4,141.15	2,073.65	8.52	-0.93	0.104
89.00	-24.65	-7.80	0.00	-336.84	0.00	336.84	2,970.64	1,485.32	4,087.28	2,046.68	8.71	-0.94	0.103
90.00	-24.23	-7.73	0.00	-329.43	0.00	329.43	2,951.23	1,475.62	4,033.76	2,019.88	8.91	-0.95	0.102
91.00	-23.80	-7.66	0.00	-322.18	0.00	322.18	2,931.83	1,465.91	3,980.60	1,993.26	9.11	-0.96	0.101
92.00	-23.38	-7.59	0.00	-315.09	0.00	315.09	2,912.42	1,456.21	3,927.79	1,966.81	9.31	-0.97	0.099
92.46	-23.19	-7.52	0.00	-308.16	0.00	308.16	2,412.07	1,206.04	3,317.78	1,661.36	9.41	-0.97	0.110
93.00	-23.03	-7.46	0.00	-301.39	0.00	301.39	2,405.85	1,202.93	3,297.34	1,651.12	9.52	-0.98	0.109
94.00	-22.74	-7.39	0.00	-294.78	0.00	294.78	2,394.36	1,197.18	3,259.83	1,632.34	9.72	-0.99	0.108
95.00	-22.46	-7.32	0.00	-288.33	0.00	288.33	2,382.81	1,191.41	3,222.46	1,613.62	9.93	-1.00	0.106
96.00	-21.69	-6.94	0.00	-297.13	0.00	297.13	2,371.21	1,185.60	3,185.22	1,594.98	10.14	-1.01	0.104
97.00	-21.41	-6.89	0.00	-290.19	0.00	290.19	2,359.55	1,179.77	3,148.11	1,576.40	10.36	-1.02	0.102
98.00	-21.12	-6.85	0.00	-283.30	0.00	283.30	2,347.83	1,173.91	3,111.14	1,557.88	10.57	-1.03	0.101
99.00	-20.84	-6.80	0.00	-276.46	0.00	276.46	2,336.05	1,168.03	3,074.31	1,539.44	10.79	-1.04	0.099
100.00	-20.56	-6.75	0.00	-269.66	0.00	269.66	2,324.22	1,162.11	3,037.61	1,521.06	11.01	-1.05	0.097
101.00	-20.28	-6.70	0.00	-262.91	0.00	262.91	2,312.33	1,156.16	3,001.06	1,502.76	11.23	-1.06	0.096
102.00	-20.00	-6.66	0.00	-256.20	0.00	256.20	2,300.38	1,150.19	2,964.65	1,484.53	11.45	-1.07	0.094
103.00	-19.72	-6.61	0.00	-249.54	0.00	249.54	2,288.38	1,144.19	2,928.39	1,466.37	11.68	-1.08	0.092

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:17 PM

Customer: AT&T Mobility

Load Case: 1.0D + 1.0W	Serviceability 60 mph	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.15
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

104.00	-19.44	-6.57	0.00	-242.93	0.00	242.93	2,276.31	1,138.16	2,892.27	1,448.28	11.90	-1.09	0.091
104.50	-19.30	-6.55	0.00	-239.65	0.00	239.65	2,270.26	1,135.13	2,874.26	1,439.27	12.02	-1.09	0.090
104.50	-19.30	-6.55	0.00	-239.65	0.00	239.65	2,270.26	1,135.13	2,874.26	1,439.27	12.02	-1.09	0.175
105.00	-19.20	-6.52	0.00	-236.37	0.00	236.37	2,264.20	1,132.10	2,856.29	1,430.27	12.13	-1.10	0.174
106.00	-18.99	-6.48	0.00	-229.85	0.00	229.85	2,251.29	1,125.65	2,819.56	1,411.88	12.36	-1.12	0.171
107.00	-18.78	-6.43	0.00	-223.38	0.00	223.38	2,235.12	1,117.56	2,779.00	1,391.56	12.60	-1.13	0.169
108.00	-18.57	-6.39	0.00	-216.94	0.00	216.94	2,218.95	1,109.48	2,738.73	1,371.40	12.84	-1.15	0.167
109.00	-18.36	-6.35	0.00	-210.55	0.00	210.55	2,202.78	1,101.39	2,698.75	1,351.38	13.08	-1.17	0.164
110.00	-18.15	-6.31	0.00	-204.20	0.00	204.20	2,186.61	1,093.30	2,659.07	1,331.51	13.33	-1.19	0.162
111.00	-17.87	-6.14	0.00	-197.89	0.00	197.89	2,170.44	1,085.22	2,619.69	1,311.79	13.58	-1.20	0.159
112.00	-17.67	-6.10	0.00	-191.75	0.00	191.75	2,154.27	1,077.13	2,580.59	1,292.21	13.83	-1.22	0.157
113.00	-15.83	-5.48	0.00	-185.65	0.00	185.65	2,138.10	1,069.05	2,541.79	1,272.79	14.09	-1.24	0.153
114.00	-15.68	-5.44	0.00	-180.16	0.00	180.16	2,121.93	1,060.96	2,503.29	1,253.50	14.35	-1.26	0.151
115.00	-15.54	-5.40	0.00	-174.72	0.00	174.72	2,105.76	1,052.88	2,465.08	1,234.37	14.62	-1.27	0.149
116.00	-15.39	-5.36	0.00	-169.32	0.00	169.32	2,089.59	1,044.79	2,427.16	1,215.38	14.89	-1.29	0.147
117.00	-15.24	-5.32	0.00	-163.96	0.00	163.96	2,073.42	1,036.71	2,389.54	1,196.54	15.16	-1.31	0.144
118.00	-15.10	-5.28	0.00	-158.64	0.00	158.64	2,057.25	1,028.62	2,352.21	1,177.85	15.43	-1.32	0.142
119.00	-14.95	-5.24	0.00	-153.36	0.00	153.36	2,041.07	1,020.54	2,315.17	1,159.31	15.71	-1.34	0.140
120.00	-14.81	-5.20	0.00	-148.12	0.00	148.12	2,024.90	1,012.45	2,278.43	1,140.91	16.00	-1.35	0.137
121.00	-14.66	-5.16	0.00	-142.92	0.00	142.92	2,008.73	1,004.37	2,241.98	1,122.66	16.28	-1.37	0.135
122.00	-12.77	-4.16	0.00	-137.77	0.00	137.77	1,992.56	996.28	2,205.83	1,104.55	16.57	-1.39	0.131
123.00	-12.64	-4.14	0.00	-133.61	0.00	133.61	1,976.39	988.20	2,169.97	1,086.60	16.86	-1.40	0.129
124.00	-12.51	-4.13	0.00	-129.47	0.00	129.47	1,960.22	980.11	2,134.40	1,068.79	17.16	-1.42	0.128
125.00	-12.37	-4.11	0.00	-125.34	0.00	125.34	1,944.05	972.03	2,099.13	1,051.12	17.46	-1.43	0.126
126.00	-12.24	-4.09	0.00	-121.23	0.00	121.23	1,927.88	963.94	2,064.15	1,033.61	17.76	-1.45	0.124
127.00	-12.12	-4.07	0.00	-117.14	0.00	117.14	1,911.71	955.86	2,029.46	1,016.24	18.06	-1.46	0.122
128.00	-11.99	-4.06	0.00	-113.07	0.00	113.07	1,895.54	947.77	1,995.07	999.02	18.37	-1.48	0.120
129.00	-11.86	-4.04	0.00	-109.01	0.00	109.01	1,879.37	939.68	1,960.98	981.95	18.68	-1.49	0.117
130.00	-11.73	-4.02	0.00	-104.97	0.00	104.97	1,863.20	931.60	1,927.17	965.02	19.00	-1.51	0.115
131.00	-11.60	-4.01	0.00	-100.95	0.00	100.95	1,847.03	923.51	1,893.66	948.24	19.31	-1.52	0.113
132.00	-11.48	-4.00	0.00	-96.94	0.00	96.94	1,830.86	915.43	1,860.45	931.61	19.63	-1.54	0.110
132.12	-11.46	-3.99	0.00	-96.46	0.00	96.46	1,828.92	914.46	1,856.49	929.63	19.67	-1.54	0.110
133.00	-11.31	-3.97	0.00	-92.95	0.00	92.95	1,814.69	907.34	1,827.53	915.12	19.96	-1.55	0.108
134.00	-11.13	-3.95	0.00	-88.98	0.00	88.98	1,798.52	899.26	1,794.90	898.78	20.28	-1.56	0.105
135.00	-10.96	-3.94	0.00	-85.03	0.00	85.03	1,782.35	891.17	1,762.57	882.59	20.61	-1.58	0.103
135.87	-10.81	-3.92	0.00	-81.61	0.00	81.61	993.95	496.97	1,000.68	501.09	20.90	-1.59	0.174
136.00	-10.80	-3.92	0.00	-81.10	0.00	81.10	993.20	496.60	998.76	500.12	20.94	-1.59	0.173
137.00	-7.72	-2.80	0.00	-77.18	0.00	77.18	987.45	493.72	984.00	492.73	21.28	-1.61	0.164
138.00	-7.64	-2.79	0.00	-74.38	0.00	74.38	981.64	490.82	969.28	485.36	21.62	-1.63	0.161
139.00	-7.55	-2.77	0.00	-71.59	0.00	71.59	975.77	487.88	954.62	478.02	21.96	-1.65	0.158
140.00	-6.96	-2.60	0.00	-68.82	0.00	68.82	969.84	484.92	940.01	470.70	22.31	-1.67	0.153
141.00	-6.88	-2.58	0.00	-66.22	0.00	66.22	963.86	481.93	925.45	463.41	22.66	-1.69	0.150
142.00	-6.79	-2.56	0.00	-63.64	0.00	63.64	957.82	478.91	910.95	456.15	23.02	-1.71	0.147
143.00	-6.71	-2.55	0.00	-61.08	0.00	61.08	951.72	475.86	896.50	448.92	23.38	-1.73	0.143
144.00	-6.63	-2.53	0.00	-58.53	0.00	58.53	945.56	472.78	882.11	441.71	23.75	-1.75	0.140
145.00	-6.55	-2.52	0.00	-56.00	0.00	56.00	939.35	469.68	867.78	434.53	24.11	-1.77	0.136
146.00	-5.76	-2.03	0.00	-53.35	0.00	53.35	933.08	466.54	853.51	427.39	24.49	-1.78	0.131
147.00	-5.69	-2.02	0.00	-51.32	0.00	51.32	926.76	463.38	839.30	420.27	24.86	-1.80	0.128
148.00	-5.61	-2.00	0.00	-49.30	0.00	49.30	920.37	460.19	825.16	413.19	25.24	-1.82	0.125
149.00	-5.54	-1.99	0.00	-47.30	0.00	47.30	913.93	456.97	811.08	406.14	25.62	-1.84	0.123
150.00	-5.46	-1.97	0.00	-45.31	0.00	45.31	907.44	453.72	797.07	399.13	26.01	-1.86	0.120
151.00	-5.39	-1.96	0.00	-43.34	0.00	43.34	900.88	450.44	783.12	392.14	26.40	-1.87	0.117
152.00	-5.16	-1.88	0.00	-41.39	0.00	41.39	894.27	447.14	769.25	385.20	26.80	-1.89	0.113
153.00	-5.09	-1.86	0.00	-39.51	0.00	39.51	887.60	443.80	755.45	378.29	27.19	-1.91	0.110
154.00	-5.01	-1.85	0.00	-37.64	0.00	37.64	880.88	440.44	741.72	371.41	27.59	-1.92	0.107
155.00	-4.94	-1.83	0.00	-35.80	0.00	35.80	874.09	437.05	728.06	364.57	28.00	-1.94	0.104
156.00	-4.87	-1.82	0.00	-33.96	0.00	33.96	867.26	433.63	714.49	357.77	28.41	-1.95	0.101

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:17 PM

Customer: AT&T Mobility

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.15

Dead Load Factor : 1.00

Wind Load Factor : 1.00

157.00	-4.80	-1.80	0.00	-32.14	0.00	32.14	860.36	430.18	700.99	351.01	28.82	-1.97	0.097
158.00	-4.73	-1.79	0.00	-30.34	0.00	30.34	853.41	426.70	687.57	344.29	29.23	-1.98	0.094
159.00	-4.66	-1.77	0.00	-28.55	0.00	28.55	846.39	423.20	674.23	337.61	29.65	-2.00	0.090
160.00	-4.59	-1.75	0.00	-26.78	0.00	26.78	839.33	419.66	660.97	330.98	30.07	-2.01	0.086
161.00	-4.53	-1.72	0.00	-25.02	0.00	25.02	832.20	416.10	647.80	324.38	30.49	-2.03	0.083
162.00	-4.46	-1.69	0.00	-23.30	0.00	23.30	825.02	412.51	634.71	317.83	30.92	-2.04	0.079
163.00	-3.13	-1.17	0.00	-21.61	0.00	21.61	817.78	408.89	621.71	311.32	31.35	-2.05	0.073
164.00	-3.08	-1.16	0.00	-20.43	0.00	20.43	810.15	405.07	608.54	304.72	31.78	-2.07	0.071
165.00	-3.02	-1.15	0.00	-19.27	0.00	19.27	800.44	400.22	593.98	297.43	32.21	-2.08	0.069
166.00	-2.97	-1.13	0.00	-18.13	0.00	18.13	790.74	395.37	579.60	290.23	32.65	-2.09	0.066
167.00	-2.91	-1.12	0.00	-16.99	0.00	16.99	781.04	390.52	565.39	283.11	33.09	-2.10	0.064
168.00	-2.86	-1.10	0.00	-15.88	0.00	15.88	771.34	385.67	551.35	276.09	33.53	-2.11	0.061
169.00	-2.80	-1.09	0.00	-14.77	0.00	14.77	761.63	380.82	537.50	269.15	33.97	-2.12	0.059
170.00	-2.75	-1.08	0.00	-13.68	0.00	13.68	751.93	375.97	523.82	262.30	34.42	-2.13	0.056
171.00	-2.70	-1.06	0.00	-12.60	0.00	12.60	742.23	371.11	510.32	255.54	34.87	-2.14	0.053
172.00	-2.64	-1.05	0.00	-11.54	0.00	11.54	732.53	366.26	496.99	248.86	35.32	-2.15	0.050
173.00	-2.59	-1.04	0.00	-10.49	0.00	10.49	722.82	361.41	483.84	242.28	35.77	-2.16	0.047
174.00	-2.54	-1.02	0.00	-9.45	0.00	9.45	713.12	356.56	470.86	235.78	36.22	-2.17	0.044
175.00	-2.49	-1.01	0.00	-8.43	0.00	8.43	703.42	351.71	458.07	229.37	36.68	-2.18	0.040
176.00	-2.44	-1.00	0.00	-7.42	0.00	7.42	693.72	346.86	445.44	223.05	37.14	-2.19	0.037
177.00	-2.39	-0.99	0.00	-6.42	0.00	6.42	684.02	342.01	433.00	216.82	37.60	-2.19	0.033
178.00	-2.34	-0.97	0.00	-5.43	0.00	5.43	674.31	337.16	420.73	210.68	38.06	-2.20	0.029
179.00	-2.29	-0.96	0.00	-4.46	0.00	4.46	664.61	332.31	408.64	204.62	38.52	-2.21	0.025
180.00	0.00	-0.87	0.00	-3.50	0.00	3.50	654.91	327.45	396.72	198.65	38.98	-2.21	0.018

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

Equivalent Lateral Forces Method Analysis

(Based on ASCE7-10 Chapters 11, 12, 15)

Spectral Response Acceleration for Short Period (S_s):	0.18
Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.06
Long-Period Transition Period (T_L):	8
Importance Factor (I_E):	1.50
Site Coefficient F_a :	1.60
Site Coefficient F_v :	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.19
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.10
Seismic Response Coefficient (C_s):	0.04
Upper Limit C_s	0.04
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	2.64
Redundancy Factor (p):	1.30
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	58.84 k
Seismic Base Shear (E):	3.02 k

Load Case (1.2 + 0.2Sds) * DL + E ELFM

Seismic Equivalent Lateral Forces Method

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
187	179.50	49	1,586	0.003	9	61
186	178.50	50	1,583	0.003	9	61
185	177.50	50	1,579	0.003	9	62
184	176.50	51	1,575	0.003	9	63
183	175.50	51	1,571	0.003	9	63
182	174.50	51	1,567	0.003	9	64
181	173.50	52	1,562	0.003	9	64
180	172.50	52	1,558	0.003	9	65
179	171.50	53	1,553	0.003	9	65
178	170.50	53	1,548	0.003	9	66
177	169.50	54	1,542	0.003	9	66
176	168.50	54	1,537	0.003	9	67
175	167.50	55	1,531	0.003	9	68
174	166.50	55	1,525	0.003	9	68
173	165.50	55	1,519	0.003	9	69
172	164.50	56	1,513	0.003	9	69
171	163.50	56	1,506	0.003	9	70
170	162.50	68	1,786	0.003	10	84
169	161.50	68	1,776	0.003	10	84
168	160.50	69	1,765	0.003	10	85
167	159.50	69	1,754	0.003	10	85
166	158.50	69	1,744	0.003	10	86
165	157.50	70	1,733	0.003	10	86

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

164	156.50	70	1,722	0.003	10	87
163	155.50	71	1,711	0.003	10	88
162	154.50	71	1,699	0.003	10	88
161	153.50	72	1,688	0.003	10	89
160	152.50	72	1,676	0.003	10	89
159	151.50	73	1,683	0.003	10	91
158	150.50	74	1,671	0.003	10	91
157	149.50	74	1,659	0.003	10	92
156	148.50	75	1,647	0.003	10	92
155	147.50	75	1,634	0.003	9	93
154	146.50	76	1,622	0.003	9	94
153	145.50	82	1,734	0.003	10	101
152	144.50	82	1,719	0.003	10	102
151	143.50	83	1,705	0.003	10	102
150	142.50	83	1,690	0.003	10	103
149	141.50	84	1,675	0.003	10	104
148	140.50	84	1,660	0.003	10	104
147	139.50	85	1,658	0.003	10	105
146	138.50	86	1,643	0.003	9	106
145	137.50	86	1,628	0.003	9	107
144	136.50	90	1,681	0.003	10	112
143	135.93	12	218	0.000	1	15
142	135.43	150	2,744	0.005	16	185
141	134.50	173	3,132	0.006	18	214
140	133.50	174	3,107	0.006	18	216
139	132.56	154	2,713	0.005	16	191
138	132.06	15	261	0.000	2	18
137	131.50	125	2,164	0.004	13	155
136	130.50	126	2,144	0.004	12	156
135	129.50	127	2,123	0.004	12	157
134	128.50	127	2,103	0.004	12	158
133	127.50	128	2,082	0.004	12	159
132	126.50	129	2,062	0.004	12	159
131	125.50	130	2,041	0.004	12	160
130	124.50	130	2,020	0.004	12	161
129	123.50	131	1,999	0.004	12	162
128	122.50	132	1,978	0.004	11	163
127	121.50	142	2,102	0.004	12	176
126	120.50	143	2,078	0.004	12	177
125	119.50	144	2,054	0.004	12	178
124	118.50	145	2,030	0.004	12	179
123	117.50	145	2,007	0.004	12	180
122	116.50	146	1,983	0.004	11	181
121	115.50	147	1,959	0.004	11	182
120	114.50	148	1,935	0.004	11	183
119	113.50	148	1,910	0.004	11	184
118	112.50	178	2,254	0.004	13	220
117	111.50	200	2,491	0.005	14	248
116	110.50	206	2,515	0.005	15	255
115	109.50	207	2,479	0.005	14	256
114	108.50	207	2,443	0.005	14	257
113	107.50	208	2,406	0.005	14	258
112	106.50	209	2,370	0.005	14	259
111	105.50	210	2,334	0.004	13	260
110	104.75	105	1,154	0.002	7	130
109	104.25	139	1,508	0.003	9	172
108	103.50	278	2,978	0.006	17	344
107	102.50	279	2,928	0.006	17	345
106	101.50	279	2,879	0.006	17	346
105	100.50	280	2,830	0.005	16	347
104	99.50	281	2,781	0.005	16	348
103	98.50	282	2,733	0.005	16	349
102	97.50	282	2,685	0.005	16	350
101	96.50	283	2,637	0.005	15	350

Site Number: 302506

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

100	95.50	285	2,597	0.005	15	352
99	94.50	285	2,549	0.005	15	353
98	93.50	286	2,502	0.005	14	354
97	92.73	156	1,340	0.003	8	193
96	92.23	192	1,632	0.003	9	238
95	91.50	422	3,529	0.007	20	522
94	90.50	423	3,466	0.007	20	524
93	89.50	425	3,403	0.007	20	526
92	88.50	426	3,340	0.006	19	528
91	87.77	197	1,516	0.003	9	244
90	87.27	168	1,281	0.002	7	208
89	86.50	312	2,335	0.004	13	386
88	85.50	313	2,288	0.004	13	387
87	84.50	314	2,241	0.004	13	389
86	83.50	315	2,195	0.004	13	390
85	82.50	316	2,149	0.004	12	391
84	81.50	317	2,103	0.004	12	392
83	80.50	317	2,057	0.004	12	393
82	79.50	319	2,015	0.004	12	395
81	78.50	320	1,971	0.004	11	396
80	77.50	321	1,927	0.004	11	397
79	76.50	322	1,882	0.004	11	398
78	75.50	323	1,839	0.004	11	399
77	74.50	323	1,795	0.003	10	400
76	73.50	324	1,752	0.003	10	401
75	72.50	325	1,709	0.003	10	403
74	71.50	326	1,667	0.003	10	404
73	70.50	327	1,625	0.003	9	405
72	69.50	328	1,584	0.003	9	406
71	68.50	329	1,543	0.003	9	407
70	67.50	330	1,502	0.003	9	408
69	66.50	331	1,462	0.003	8	409
68	65.50	331	1,422	0.003	8	410
67	64.50	332	1,383	0.003	8	411
66	63.50	333	1,344	0.003	8	412
65	62.50	334	1,305	0.003	8	414
64	61.50	335	1,267	0.002	7	415
63	60.50	336	1,229	0.002	7	416
62	59.50	337	1,192	0.002	7	417
61	58.50	338	1,156	0.002	7	418
60	57.50	339	1,119	0.002	6	419
59	56.50	339	1,084	0.002	6	420
58	55.50	340	1,048	0.002	6	421
57	54.50	341	1,013	0.002	6	422
56	53.50	342	979	0.002	6	423
55	52.50	343	945	0.002	5	425
54	51.50	344	912	0.002	5	426
53	50.50	345	879	0.002	5	427
52	49.52	332	814	0.002	5	411
51	49.02	22	52	0.000	0	27
50	48.50	543	1,278	0.002	7	673
49	47.50	545	1,230	0.002	7	675
48	46.50	547	1,183	0.002	7	677
47	45.50	549	1,137	0.002	7	680
46	44.50	551	1,091	0.002	6	682
45	43.50	553	1,047	0.002	6	685
44	42.98	24	44	0.000	0	30
43	42.48	361	652	0.001	4	447
42	41.50	379	652	0.001	4	469
41	40.50	380	623	0.001	4	470
40	39.50	381	594	0.001	3	471
39	38.50	382	566	0.001	3	473
38	37.50	383	538	0.001	3	474
37	36.50	384	511	0.001	3	475

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

36	35.50	385	485	0.001	3	476
35	34.50	386	459	0.001	3	478
34	33.50	387	434	0.001	3	479
33	32.50	388	410	0.001	2	480
32	31.50	389	386	0.001	2	481
31	30.50	390	363	0.001	2	483
30	29.50	391	341	0.001	2	484
29	28.50	392	319	0.001	2	486
28	27.50	393	298	0.001	2	487
27	26.50	395	277	0.001	2	488
26	25.50	396	257	0.000	1	490
25	24.50	397	238	0.000	1	491
24	23.50	398	220	0.000	1	492
23	22.50	399	202	0.000	1	493
22	21.50	400	185	0.000	1	495
21	20.50	401	168	0.000	1	496
20	19.50	402	153	0.000	1	497
19	18.50	403	138	0.000	1	499
18	17.50	404	124	0.000	1	500
17	16.50	405	110	0.000	1	501
16	15.50	406	98	0.000	1	502
15	14.50	407	86	0.000	0	504
14	13.50	408	74	0.000	0	505
13	12.50	409	64	0.000	0	506
12	11.50	410	54	0.000	0	508
11	10.50	411	45	0.000	0	509
10	9.50	412	37	0.000	0	510
9	8.50	413	30	0.000	0	511
8	7.50	414	23	0.000	0	513
7	6.50	415	18	0.000	0	514
6	5.50	416	13	0.000	0	515
5	4.50	417	8	0.000	0	517
4	3.50	418	5	0.000	0	518
3	2.50	419	3	0.000	0	519
2	1.50	420	1	0.000	0	520
1	0.50	421	0	0.000	0	522
Andrew ABT-DMDF-ADBH	184.00	1	37	0.000	0	1
4' Omni	184.00	10	339	0.001	2	12
Powerwave Allgon LGP	184.00	85	2,864	0.005	17	105
Ericsson RRUS 11 (Ba	184.00	150	5,078	0.010	29	186
Ericsson RRUS-12 B2	184.00	174	5,891	0.011	34	215
Powerwave Allgon 777	184.00	210	7,110	0.014	41	260
KMW AM-X-CD-16-65-00	184.00	146	4,926	0.009	28	180
Flat Low Profile Pla	184.00	1,500	50,784	0.097	293	1,857
Ericsson KRY 112 144	163.00	33	877	0.002	5	41
Ericsson AIR 21, 1.3	163.00	249	6,616	0.013	38	308
Ericsson AIR 21, 1.3	163.00	244	6,496	0.012	38	303
Round T-Arm	163.00	750	19,927	0.038	115	928
Sinclair SD210-SF2P4	152.00	8	192	0.000	1	10
Round Side Arm	152.00	150	3,466	0.007	20	186
Bird 432-83H-01-T	146.00	25	533	0.001	3	31
Sinclair SC479-HF1LD	146.00	34	725	0.001	4	42
Round Side Arm	146.00	450	9,592	0.018	55	557
Decibel DB809DK-XT	146.00	128	2,728	0.005	16	158
Sinclair SC442D-HF1L	146.00	79	1,684	0.003	10	98
Telewave ANT150D (5	140.00	5	98	0.000	1	6
Bird 432-83H-01-T	140.00	50	980	0.002	6	62
Round Side Arm	140.00	450	8,820	0.017	51	557
Alcatel-Lucent 800 M	137.00	185	3,480	0.007	20	229
Alcatel-Lucent 1900M	137.00	132	2,478	0.005	14	163
Alcatel-Lucent TD-RR	137.00	210	3,941	0.008	23	260
RFS APXVTM14-C-I20	137.00	317	5,957	0.011	34	393
RFS APXVSP18-C-A20	137.00	171	3,209	0.006	19	212
Flat Platform w/ Han	137.00	2,000	37,538	0.072	217	2,476

Site Number: 302506

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Site Name: Winchester CT 3, CT

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Customer: AT&T Mobility

RFS FD9R6004/2C-3L	122.00	19	277	0.001	2	23
A Antel BXA-171085-1	122.00	30	447	0.001	3	37
A Antel BXA-171063-1	122.00	15	223	0.000	1	19
Amp Antel BXA-70063-	122.00	34	506	0.001	3	42
Antel LPA-80080/6CF	122.00	84	1,250	0.002	7	104
Antel LPA-80063/6CF	122.00	54	804	0.002	5	67
Amphenol Antel BXA-7	122.00	38	558	0.001	3	46
Round Low Profile PI	122.00	1,500	22,326	0.043	129	1,857
Decibel DB844H90E-XY	113.00	168	2,145	0.004	12	208
Round Low Profile PI	113.00	1,500	19,154	0.037	111	1,857
RFS APXV18-206517S-C	111.00	79	976	0.002	6	98
Andrew DB586	96.00	8	76	0.000	0	10
Andrew DB586	96.00	8	76	0.000	0	10
Bird 429-83H-01-T	96.00	20	184	0.000	1	25
Flat Side Arm	96.00	450	4,147	0.008	24	557
RFS PA6-65AC	80.00	278	1,779	0.003	10	344
PCTEL GPS-TMG-HR-26N	79.00	1	4	0.000	0	1
GPS	30.00	10	9	0.000	0	12
		58,843	521,987	1.000	3,016	72,834

Load Case (0.9 - 0.2Sds) * DL + E ELFM

Seismic (Reduced DL) Equivalent Lateral Forces Method

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
187	179.50	49	1,586	0.003	9	42
186	178.50	50	1,583	0.003	9	43
185	177.50	50	1,579	0.003	9	43
184	176.50	51	1,575	0.003	9	44
183	175.50	51	1,571	0.003	9	44
182	174.50	51	1,567	0.003	9	44
181	173.50	52	1,562	0.003	9	45
180	172.50	52	1,558	0.003	9	45
179	171.50	53	1,553	0.003	9	46
178	170.50	53	1,548	0.003	9	46
177	169.50	54	1,542	0.003	9	46
176	168.50	54	1,537	0.003	9	47
175	167.50	55	1,531	0.003	9	47
174	166.50	55	1,525	0.003	9	47
173	165.50	55	1,519	0.003	9	48
172	164.50	56	1,513	0.003	9	48
171	163.50	56	1,506	0.003	9	49
170	162.50	68	1,786	0.003	10	58
169	161.50	68	1,776	0.003	10	59
168	160.50	69	1,765	0.003	10	59
167	159.50	69	1,754	0.003	10	59
166	158.50	69	1,744	0.003	10	60
165	157.50	70	1,733	0.003	10	60
164	156.50	70	1,722	0.003	10	61
163	155.50	71	1,711	0.003	10	61
162	154.50	71	1,699	0.003	10	61
161	153.50	72	1,688	0.003	10	62
160	152.50	72	1,676	0.003	10	62
159	151.50	73	1,683	0.003	10	63
158	150.50	74	1,671	0.003	10	64
157	149.50	74	1,659	0.003	10	64
156	148.50	75	1,647	0.003	10	64
155	147.50	75	1,634	0.003	9	65
154	146.50	76	1,622	0.003	9	65
153	145.50	82	1,734	0.003	10	71
152	144.50	82	1,719	0.003	10	71

Site Number: 302506

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

151	143.50	83	1,705	0.003	10	71
150	142.50	83	1,690	0.003	10	72
149	141.50	84	1,675	0.003	10	72
148	140.50	84	1,660	0.003	10	73
147	139.50	85	1,658	0.003	10	73
146	138.50	86	1,643	0.003	9	74
145	137.50	86	1,628	0.003	9	74
144	136.50	90	1,681	0.003	10	78
143	135.93	12	218	0.000	1	10
142	135.43	150	2,744	0.005	16	129
141	134.50	173	3,132	0.006	18	149
140	133.50	174	3,107	0.006	18	150
139	132.56	154	2,713	0.005	16	133
138	132.06	15	261	0.000	2	13
137	131.50	125	2,164	0.004	13	108
136	130.50	126	2,144	0.004	12	109
135	129.50	127	2,123	0.004	12	109
134	128.50	127	2,103	0.004	12	110
133	127.50	128	2,082	0.004	12	110
132	126.50	129	2,062	0.004	12	111
131	125.50	130	2,041	0.004	12	112
130	124.50	130	2,020	0.004	12	112
129	123.50	131	1,999	0.004	12	113
128	122.50	132	1,978	0.004	11	114
127	121.50	142	2,102	0.004	12	123
126	120.50	143	2,078	0.004	12	123
125	119.50	144	2,054	0.004	12	124
124	118.50	145	2,030	0.004	12	125
123	117.50	145	2,007	0.004	12	125
122	116.50	146	1,983	0.004	11	126
121	115.50	147	1,959	0.004	11	127
120	114.50	148	1,935	0.004	11	127
119	113.50	148	1,910	0.004	11	128
118	112.50	178	2,254	0.004	13	154
117	111.50	200	2,491	0.005	14	173
116	110.50	206	2,515	0.005	15	178
115	109.50	207	2,479	0.005	14	178
114	108.50	207	2,443	0.005	14	179
113	107.50	208	2,406	0.005	14	180
112	106.50	209	2,370	0.005	14	180
111	105.50	210	2,334	0.004	13	181
110	104.75	105	1,154	0.002	7	91
109	104.25	139	1,508	0.003	9	120
108	103.50	278	2,978	0.006	17	240
107	102.50	279	2,928	0.006	17	240
106	101.50	279	2,879	0.006	17	241
105	100.50	280	2,830	0.005	16	242
104	99.50	281	2,781	0.005	16	242
103	98.50	282	2,733	0.005	16	243
102	97.50	282	2,685	0.005	16	244
101	96.50	283	2,637	0.005	15	244
100	95.50	285	2,597	0.005	15	245
99	94.50	285	2,549	0.005	15	246
98	93.50	286	2,502	0.005	14	247
97	92.73	156	1,340	0.003	8	134
96	92.23	192	1,632	0.003	9	165
95	91.50	422	3,529	0.007	20	363
94	90.50	423	3,466	0.007	20	365
93	89.50	425	3,403	0.007	20	366
92	88.50	426	3,340	0.006	19	368
91	87.77	197	1,516	0.003	9	170
90	87.27	168	1,281	0.002	7	145
89	86.50	312	2,335	0.004	13	269
88	85.50	313	2,288	0.004	13	270

Site Number: 302506

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

87	84.50	314	2,241	0.004	13	271
86	83.50	315	2,195	0.004	13	271
85	82.50	316	2,149	0.004	12	272
84	81.50	317	2,103	0.004	12	273
83	80.50	317	2,057	0.004	12	274
82	79.50	319	2,015	0.004	12	275
81	78.50	320	1,971	0.004	11	276
80	77.50	321	1,927	0.004	11	277
79	76.50	322	1,882	0.004	11	277
78	75.50	323	1,839	0.004	11	278
77	74.50	323	1,795	0.003	10	279
76	73.50	324	1,752	0.003	10	280
75	72.50	325	1,709	0.003	10	280
74	71.50	326	1,667	0.003	10	281
73	70.50	327	1,625	0.003	9	282
72	69.50	328	1,584	0.003	9	283
71	68.50	329	1,543	0.003	9	283
70	67.50	330	1,502	0.003	9	284
69	66.50	331	1,462	0.003	8	285
68	65.50	331	1,422	0.003	8	286
67	64.50	332	1,383	0.003	8	287
66	63.50	333	1,344	0.003	8	287
65	62.50	334	1,305	0.003	8	288
64	61.50	335	1,267	0.002	7	289
63	60.50	336	1,229	0.002	7	290
62	59.50	337	1,192	0.002	7	290
61	58.50	338	1,156	0.002	7	291
60	57.50	339	1,119	0.002	6	292
59	56.50	339	1,084	0.002	6	293
58	55.50	340	1,048	0.002	6	293
57	54.50	341	1,013	0.002	6	294
56	53.50	342	979	0.002	6	295
55	52.50	343	945	0.002	5	296
54	51.50	344	912	0.002	5	297
53	50.50	345	879	0.002	5	297
52	49.52	332	814	0.002	5	286
51	49.02	22	52	0.000	0	19
50	48.50	543	1,278	0.002	7	469
49	47.50	545	1,230	0.002	7	470
48	46.50	547	1,183	0.002	7	472
47	45.50	549	1,137	0.002	7	474
46	44.50	551	1,091	0.002	6	475
45	43.50	553	1,047	0.002	6	477
44	42.98	24	44	0.000	0	21
43	42.48	361	652	0.001	4	311
42	41.50	379	652	0.001	4	326
41	40.50	380	623	0.001	4	327
40	39.50	381	594	0.001	3	328
39	38.50	382	566	0.001	3	329
38	37.50	383	538	0.001	3	330
37	36.50	384	511	0.001	3	331
36	35.50	385	485	0.001	3	332
35	34.50	386	459	0.001	3	333
34	33.50	387	434	0.001	3	334
33	32.50	388	410	0.001	2	335
32	31.50	389	386	0.001	2	335
31	30.50	390	363	0.001	2	336
30	29.50	391	341	0.001	2	337
29	28.50	392	319	0.001	2	338
28	27.50	393	298	0.001	2	339
27	26.50	395	277	0.001	2	340
26	25.50	396	257	0.000	1	341
25	24.50	397	238	0.000	1	342
24	23.50	398	220	0.000	1	343

Site Number: 302506

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

23	22.50	399	202	0.000	1	344
22	21.50	400	185	0.000	1	345
21	20.50	401	168	0.000	1	346
20	19.50	402	153	0.000	1	346
19	18.50	403	138	0.000	1	347
18	17.50	404	124	0.000	1	348
17	16.50	405	110	0.000	1	349
16	15.50	406	98	0.000	1	350
15	14.50	407	86	0.000	0	351
14	13.50	408	74	0.000	0	352
13	12.50	409	64	0.000	0	353
12	11.50	410	54	0.000	0	354
11	10.50	411	45	0.000	0	354
10	9.50	412	37	0.000	0	355
9	8.50	413	30	0.000	0	356
8	7.50	414	23	0.000	0	357
7	6.50	415	18	0.000	0	358
6	5.50	416	13	0.000	0	359
5	4.50	417	8	0.000	0	360
4	3.50	418	5	0.000	0	361
3	2.50	419	3	0.000	0	362
2	1.50	420	1	0.000	0	363
1	0.50	421	0	0.000	0	363
Andrew ABT-D MDF-ADBH	184.00	1	37	0.000	0	1
4' Omni	184.00	10	339	0.001	2	9
Powerwave Allgon LGP	184.00	85	2,864	0.005	17	73
Ericsson RRUS 11 (Ba	184.00	150	5,078	0.010	29	129
Ericsson RRUS-12 B2	184.00	174	5,891	0.011	34	150
Powerwave Allgon 777	184.00	210	7,110	0.014	41	181
KMW AM-X-CD-16-65-00	184.00	146	4,926	0.009	28	125
Flat Low Profile Pla	184.00	1,500	50,784	0.097	293	1,293
Ericsson KRY 112 144	163.00	33	877	0.002	5	28
Ericsson AIR 21, 1.3	163.00	249	6,616	0.013	38	215
Ericsson AIR 21, 1.3	163.00	244	6,496	0.012	38	211
Round T-Arm	163.00	750	19,927	0.038	115	647
Sinclair SD210-SF2P4	152.00	8	192	0.000	1	7
Round Side Arm	152.00	150	3,466	0.007	20	129
Bird 432-83H-01-T	146.00	25	533	0.001	3	22
Sinclair SC479-HF1LD	146.00	34	725	0.001	4	29
Round Side Arm	146.00	450	9,592	0.018	55	388
Decibel DB809DK-XT	146.00	128	2,728	0.005	16	110
Sinclair SC442D-HF1L	146.00	79	1,684	0.003	10	68
Telewave ANT150D (5	140.00	5	98	0.000	1	4
Bird 432-83H-01-T	140.00	50	980	0.002	6	43
Round Side Arm	140.00	450	8,820	0.017	51	388
Alcatel-Lucent 800 M	137.00	185	3,480	0.007	20	160
Alcatel-Lucent 1900M	137.00	132	2,478	0.005	14	114
Alcatel-Lucent TD-RR	137.00	210	3,941	0.008	23	181
RFS APXVTM14-C-I20	137.00	317	5,957	0.011	34	274
RFS APXVSPP18-C-A20	137.00	171	3,209	0.006	19	147
Flat Platform w/ Han	137.00	2,000	37,538	0.072	217	1,724
RFS FD9R6004/2C-3L	122.00	19	277	0.001	2	16
A Antel BXA-171085-1	122.00	30	447	0.001	3	26
A Antel BXA-171063-1	122.00	15	223	0.000	1	13
Amp Antel BXA-70063-	122.00	34	506	0.001	3	29
Antel LPA-80080/6CF	122.00	84	1,250	0.002	7	72
Antel LPA-80063/6CF	122.00	54	804	0.002	5	47
Amphenol Antel BXA-7	122.00	38	558	0.001	3	32
Round Low Profile PI	122.00	1,500	22,326	0.043	129	1,293
Decibel DB844H90E-XY	113.00	168	2,145	0.004	12	145
Round Low Profile PI	113.00	1,500	19,154	0.037	111	1,293
RFS APXV18-206517S-C	111.00	79	976	0.002	6	68
Andrew DB586	96.00	8	76	0.000	0	7
Andrew DB586	96.00	8	76	0.000	0	7

Site Number: 302506

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

Bird 429-83H-01-T	96.00	20	184	0.000	1	17
Flat Side Arm	96.00	450	4,147	0.008	24	388
RFS PA6-65AC	80.00	278	1,779	0.003	10	240
PCTEL GPS-TMG-HR-26N	79.00	1	4	0.000	0	1
GPS	30.00	10	9	0.000	0	9
		58,843	521,987	1.000	3,016	50,737

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

Load Case (1.2 + 0.2Sds) * DL + E ELFM

Seismic Equivalent Lateral Forces Method

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-69.50	-2.57	0.00	-321.68	0.00	321.68	5,102.86	2,551.43	10,963.2	5,489.79	0.00	0.00	0.054
1.00	-68.98	-2.57	0.00	-319.11	0.00	319.11	5,088.23	2,544.11	10,885.6	5,450.89	0.00	0.00	0.054
2.00	-68.46	-2.58	0.00	-316.53	0.00	316.53	5,073.54	2,536.77	10,808.0	5,412.06	0.00	-0.01	0.054
3.00	-67.94	-2.58	0.00	-313.96	0.00	313.96	5,058.79	2,529.39	10,730.6	5,373.31	0.00	-0.01	0.054
4.00	-67.42	-2.58	0.00	-311.38	0.00	311.38	5,043.98	2,521.99	10,653.4	5,334.64	0.00	-0.01	0.053
5.00	-66.91	-2.59	0.00	-308.80	0.00	308.80	5,029.12	2,514.56	10,576.3	5,296.03	0.01	-0.01	0.053
6.00	-66.39	-2.59	0.00	-306.21	0.00	306.21	5,014.20	2,507.10	10,499.4	5,257.51	0.01	-0.02	0.053
7.00	-65.88	-2.59	0.00	-303.62	0.00	303.62	4,999.22	2,499.61	10,422.6	5,219.05	0.01	-0.02	0.053
8.00	-65.37	-2.59	0.00	-301.03	0.00	301.03	4,984.19	2,492.10	10,345.9	5,180.68	0.02	-0.02	0.053
9.00	-64.86	-2.60	0.00	-298.44	0.00	298.44	4,969.10	2,484.55	10,269.5	5,142.38	0.02	-0.02	0.053
10.00	-64.35	-2.60	0.00	-295.84	0.00	295.84	4,953.95	2,476.98	10,193.1	5,104.17	0.03	-0.03	0.052
11.00	-63.84	-2.60	0.00	-293.24	0.00	293.24	4,938.75	2,469.37	10,117.0	5,066.03	0.03	-0.03	0.052
12.00	-63.33	-2.60	0.00	-290.64	0.00	290.64	4,923.49	2,461.74	10,041.0	5,027.97	0.04	-0.03	0.052
13.00	-62.83	-2.61	0.00	-288.04	0.00	288.04	4,908.17	2,454.08	9,965.17	4,989.99	0.05	-0.04	0.052
14.00	-62.33	-2.61	0.00	-285.43	0.00	285.43	4,892.79	2,446.40	9,889.49	4,952.10	0.06	-0.04	0.052
15.00	-61.82	-2.61	0.00	-282.82	0.00	282.82	4,877.36	2,438.68	9,813.98	4,914.28	0.06	-0.04	0.051
16.00	-61.32	-2.61	0.00	-280.21	0.00	280.21	4,861.87	2,430.94	9,738.63	4,876.55	0.07	-0.04	0.051
17.00	-60.82	-2.61	0.00	-277.60	0.00	277.60	4,846.32	2,423.16	9,663.45	4,838.91	0.08	-0.05	0.051
18.00	-60.32	-2.62	0.00	-274.99	0.00	274.99	4,830.72	2,415.36	9,588.44	4,801.34	0.09	-0.05	0.051
19.00	-59.83	-2.62	0.00	-272.37	0.00	272.37	4,815.06	2,407.53	9,513.60	4,763.87	0.10	-0.05	0.051
20.00	-59.33	-2.62	0.00	-269.75	0.00	269.75	4,799.34	2,399.67	9,438.93	4,726.48	0.12	-0.06	0.051
21.00	-58.83	-2.62	0.00	-267.13	0.00	267.13	4,783.57	2,391.78	9,364.44	4,689.18	0.13	-0.06	0.050
22.00	-58.34	-2.62	0.00	-264.51	0.00	264.51	4,767.74	2,383.87	9,290.12	4,651.96	0.14	-0.06	0.050
23.00	-57.85	-2.62	0.00	-261.89	0.00	261.89	4,751.85	2,375.92	9,215.98	4,614.84	0.15	-0.06	0.050
24.00	-57.36	-2.62	0.00	-259.27	0.00	259.27	4,735.90	2,367.95	9,142.01	4,577.80	0.17	-0.07	0.050
25.00	-56.87	-2.62	0.00	-256.64	0.00	256.64	4,719.90	2,359.95	9,068.23	4,540.86	0.18	-0.07	0.050
26.00	-56.38	-2.63	0.00	-254.02	0.00	254.02	4,703.84	2,351.92	8,994.63	4,504.00	0.20	-0.07	0.049
27.00	-55.89	-2.63	0.00	-251.39	0.00	251.39	4,687.72	2,343.86	8,921.22	4,467.24	0.21	-0.08	0.049
28.00	-55.41	-2.63	0.00	-248.77	0.00	248.77	4,671.55	2,335.77	8,847.98	4,430.57	0.23	-0.08	0.049
29.00	-54.92	-2.63	0.00	-246.14	0.00	246.14	4,655.31	2,327.66	8,774.94	4,393.99	0.24	-0.08	0.049
30.00	-54.43	-2.63	0.00	-243.51	0.00	243.51	4,639.03	2,319.51	8,702.08	4,357.51	0.26	-0.08	0.048
31.00	-53.94	-2.63	0.00	-240.89	0.00	240.89	4,622.68	2,311.34	8,629.41	4,321.12	0.28	-0.09	0.048
32.00	-53.46	-2.63	0.00	-238.26	0.00	238.26	4,606.28	2,303.14	8,556.93	4,284.83	0.30	-0.09	0.048
33.00	-52.99	-2.63	0.00	-235.64	0.00	235.64	4,589.82	2,294.91	8,484.65	4,248.63	0.32	-0.09	0.048
34.00	-52.51	-2.62	0.00	-233.01	0.00	233.01	4,573.30	2,286.65	8,412.56	4,212.53	0.34	-0.10	0.047
35.00	-52.03	-2.62	0.00	-230.39	0.00	230.39	4,556.73	2,278.36	8,340.67	4,176.53	0.36	-0.10	0.047
36.00	-51.56	-2.62	0.00	-227.76	0.00	227.76	4,540.10	2,270.05	8,268.97	4,140.63	0.38	-0.10	0.047
37.00	-51.08	-2.62	0.00	-225.14	0.00	225.14	4,523.41	2,261.70	8,197.47	4,104.83	0.40	-0.10	0.047
38.00	-50.61	-2.62	0.00	-222.52	0.00	222.52	4,506.66	2,253.33	8,126.17	4,069.13	0.42	-0.11	0.047
39.00	-50.14	-2.62	0.00	-219.90	0.00	219.90	4,489.86	2,244.93	8,055.08	4,033.53	0.44	-0.11	0.046
40.00	-49.67	-2.62	0.00	-217.28	0.00	217.28	4,473.00	2,236.50	7,984.18	3,998.03	0.47	-0.11	0.046
41.00	-49.20	-2.61	0.00	-214.67	0.00	214.67	4,456.09	2,228.04	7,913.50	3,962.63	0.49	-0.12	0.046
42.00	-48.75	-2.61	0.00	-212.06	0.00	212.06	4,439.11	2,219.56	7,843.02	3,927.34	0.52	-0.12	0.046
42.96	-48.72	-2.61	0.00	-209.56	0.00	209.56	4,422.82	2,211.41	7,775.79	3,893.68	0.54	-0.12	0.045
43.00	-48.04	-2.61	0.00	-209.44	0.00	209.44	4,422.08	2,211.04	7,772.74	3,892.15	0.54	-0.12	0.045
44.00	-47.35	-2.60	0.00	-206.84	0.00	206.84	4,400.67	2,200.33	7,695.11	3,853.28	0.57	-0.12	0.045
45.00	-46.67	-2.59	0.00	-204.24	0.00	204.24	4,378.03	2,189.01	7,615.75	3,813.53	0.59	-0.13	0.044
46.00	-46.00	-2.59	0.00	-201.64	0.00	201.64	4,355.39	2,177.70	7,536.79	3,773.99	0.62	-0.13	0.044
47.00	-45.32	-2.58	0.00	-199.05	0.00	199.05	4,332.75	2,166.38	7,458.24	3,734.66	0.65	-0.13	0.044
48.00	-44.65	-2.58	0.00	-196.47	0.00	196.47	4,310.11	2,155.06	7,380.10	3,695.54	0.68	-0.14	0.044
49.00	-44.62	-2.58	0.00	-193.90	0.00	193.90	4,287.47	2,143.74	7,302.38	3,656.62	0.71	-0.14	0.043
49.04	-44.21	-2.57	0.00	-193.79	0.00	193.79	3,604.17	1,802.08	6,267.69	3,138.50	0.71	-0.14	0.049
50.00	-43.79	-2.57	0.00	-191.32	0.00	191.32	3,591.50	1,795.75	6,214.33	3,111.78	0.74	-0.14	0.049
51.00	-43.36	-2.56	0.00	-188.76	0.00	188.76	3,578.26	1,789.13	6,158.90	3,084.03	0.77	-0.15	0.048
52.00	-42.93	-2.56	0.00	-186.19	0.00	186.19	3,564.96	1,782.48	6,103.60	3,056.34	0.80	-0.15	0.048
53.00	-42.51	-2.56	0.00	-183.63	0.00	183.63	3,551.60	1,775.80	6,048.46	3,028.72	0.83	-0.15	0.048

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Customer: AT&T Mobility

54.00	-42.09	-2.55	0.00	-181.08	0.00	181.08	3,538.18	1,769.09	5,993.45	3,001.18	0.86	-0.15	0.047
55.00	-41.67	-2.55	0.00	-178.53	0.00	178.53	3,524.70	1,762.35	5,938.60	2,973.71	0.89	-0.16	0.047
56.00	-41.25	-2.54	0.00	-175.98	0.00	175.98	3,511.17	1,755.59	5,883.90	2,946.32	0.93	-0.16	0.047
57.00	-40.83	-2.54	0.00	-173.44	0.00	173.44	3,497.59	1,748.79	5,829.34	2,919.00	0.96	-0.16	0.046
58.00	-40.41	-2.53	0.00	-170.90	0.00	170.90	3,483.94	1,741.97	5,774.94	2,891.76	1.00	-0.17	0.046
59.00	-39.99	-2.52	0.00	-168.37	0.00	168.37	3,470.24	1,735.12	5,720.69	2,864.60	1.03	-0.17	0.046
60.00	-39.58	-2.52	0.00	-165.85	0.00	165.85	3,456.48	1,728.24	5,666.60	2,837.51	1.07	-0.17	0.045
61.00	-39.16	-2.51	0.00	-163.33	0.00	163.33	3,442.66	1,721.33	5,612.67	2,810.51	1.10	-0.18	0.045
62.00	-38.75	-2.50	0.00	-160.82	0.00	160.82	3,428.79	1,714.39	5,558.89	2,783.58	1.14	-0.18	0.044
63.00	-38.34	-2.50	0.00	-158.32	0.00	158.32	3,414.86	1,707.43	5,505.28	2,756.73	1.18	-0.18	0.044
64.00	-37.92	-2.49	0.00	-155.82	0.00	155.82	3,400.87	1,700.44	5,451.82	2,729.96	1.22	-0.19	0.044
65.00	-37.51	-2.48	0.00	-153.33	0.00	153.33	3,386.83	1,693.41	5,398.53	2,703.28	1.26	-0.19	0.043
66.00	-37.10	-2.47	0.00	-150.85	0.00	150.85	3,372.72	1,686.36	5,345.41	2,676.68	1.30	-0.19	0.043
67.00	-36.70	-2.47	0.00	-148.37	0.00	148.37	3,358.57	1,679.28	5,292.45	2,650.16	1.34	-0.20	0.043
68.00	-36.29	-2.46	0.00	-145.91	0.00	145.91	3,344.35	1,672.18	5,239.65	2,623.72	1.38	-0.20	0.042
69.00	-35.88	-2.45	0.00	-143.45	0.00	143.45	3,330.08	1,665.04	5,187.03	2,597.37	1.42	-0.20	0.042
70.00	-35.48	-2.44	0.00	-141.00	0.00	141.00	3,315.75	1,657.87	5,134.58	2,571.11	1.46	-0.20	0.041
71.00	-35.08	-2.43	0.00	-138.56	0.00	138.56	3,301.36	1,650.68	5,082.30	2,544.93	1.51	-0.21	0.041
72.00	-34.67	-2.42	0.00	-136.13	0.00	136.13	3,286.92	1,643.46	5,030.20	2,518.84	1.55	-0.21	0.040
73.00	-34.27	-2.41	0.00	-133.71	0.00	133.71	3,272.42	1,636.21	4,978.27	2,492.84	1.59	-0.21	0.040
74.00	-33.87	-2.40	0.00	-131.30	0.00	131.30	3,257.86	1,628.93	4,926.52	2,466.92	1.64	-0.22	0.040
75.00	-33.47	-2.39	0.00	-128.89	0.00	128.89	3,242.30	1,621.15	4,873.54	2,440.39	1.69	-0.22	0.039
76.00	-33.07	-2.38	0.00	-126.50	0.00	126.50	3,222.90	1,611.45	4,815.08	2,411.12	1.73	-0.22	0.039
77.00	-32.68	-2.37	0.00	-124.12	0.00	124.12	3,203.49	1,601.75	4,756.98	2,382.03	1.78	-0.23	0.039
78.00	-32.28	-2.36	0.00	-121.75	0.00	121.75	3,184.09	1,592.04	4,699.23	2,353.11	1.83	-0.23	0.038
79.00	-31.88	-2.35	0.00	-119.39	0.00	119.39	3,164.68	1,582.34	4,641.84	2,324.37	1.87	-0.23	0.038
80.00	-31.15	-2.32	0.00	-117.05	0.00	117.05	3,145.28	1,572.64	4,584.79	2,295.80	1.92	-0.23	0.037
81.00	-30.76	-2.31	0.00	-114.72	0.00	114.72	3,125.87	1,562.94	4,528.10	2,267.42	1.97	-0.24	0.037
82.00	-30.36	-2.30	0.00	-112.41	0.00	112.41	3,106.47	1,553.24	4,471.77	2,239.21	2.02	-0.24	0.037
83.00	-29.98	-2.29	0.00	-110.11	0.00	110.11	3,087.07	1,543.53	4,415.78	2,211.17	2.07	-0.24	0.036
84.00	-29.59	-2.27	0.00	-107.83	0.00	107.83	3,067.66	1,533.83	4,360.15	2,183.32	2.12	-0.25	0.036
85.00	-29.20	-2.26	0.00	-105.55	0.00	105.55	3,048.26	1,524.13	4,304.87	2,155.63	2.18	-0.25	0.035
86.00	-28.81	-2.25	0.00	-103.29	0.00	103.29	3,028.85	1,514.43	4,249.94	2,128.13	2.23	-0.25	0.035
87.00	-28.60	-2.24	0.00	-101.05	0.00	101.05	3,009.45	1,504.72	4,195.37	2,100.80	2.28	-0.25	0.035
87.54	-28.36	-2.23	0.00	-99.84	0.00	99.84	2,998.97	1,499.48	4,166.05	2,086.12	2.31	-0.26	0.034
88.00	-27.83	-2.21	0.00	-98.82	0.00	98.82	2,990.04	1,495.02	4,141.15	2,073.65	2.34	-0.26	0.034
89.00	-27.31	-2.19	0.00	-96.61	0.00	96.61	2,970.64	1,485.32	4,087.28	2,046.68	2.39	-0.26	0.033
90.00	-26.78	-2.17	0.00	-94.42	0.00	94.42	2,951.23	1,475.62	4,033.76	2,019.88	2.44	-0.26	0.033
91.00	-26.26	-2.15	0.00	-92.25	0.00	92.25	2,931.83	1,465.91	3,980.60	1,993.26	2.50	-0.27	0.032
92.00	-26.02	-2.14	0.00	-90.11	0.00	90.11	2,912.42	1,456.21	3,927.79	1,966.81	2.56	-0.27	0.032
92.46	-25.83	-2.13	0.00	-89.13	0.00	89.13	2,412.07	1,206.04	3,317.78	1,661.36	2.58	-0.27	0.035
93.00	-25.48	-2.11	0.00	-87.98	0.00	87.98	2,405.85	1,202.93	3,297.34	1,651.12	2.61	-0.27	0.035
94.00	-25.12	-2.10	0.00	-85.86	0.00	85.86	2,394.36	1,197.18	3,259.83	1,632.34	2.67	-0.27	0.035
95.00	-24.77	-2.08	0.00	-83.77	0.00	83.77	2,382.81	1,191.41	3,222.46	1,613.62	2.73	-0.28	0.034
96.00	-23.82	-2.04	0.00	-81.68	0.00	81.68	2,371.21	1,185.60	3,185.22	1,594.98	2.78	-0.28	0.033
97.00	-23.47	-2.02	0.00	-79.65	0.00	79.65	2,359.55	1,179.77	3,148.11	1,576.40	2.84	-0.28	0.033
98.00	-23.12	-2.00	0.00	-77.63	0.00	77.63	2,347.83	1,173.91	3,111.14	1,557.88	2.90	-0.28	0.032
99.00	-22.77	-1.99	0.00	-75.62	0.00	75.62	2,336.05	1,168.03	3,074.31	1,539.44	2.96	-0.29	0.032
100.00	-22.43	-1.97	0.00	-73.63	0.00	73.63	2,324.22	1,162.11	3,037.61	1,521.06	3.02	-0.29	0.031
101.00	-22.08	-1.95	0.00	-71.66	0.00	71.66	2,312.33	1,156.16	3,001.06	1,502.76	3.08	-0.29	0.030
102.00	-21.73	-1.94	0.00	-69.71	0.00	69.71	2,300.38	1,150.19	2,964.65	1,484.53	3.15	-0.30	0.030
103.00	-21.39	-1.92	0.00	-67.77	0.00	67.77	2,288.38	1,144.19	2,928.39	1,466.37	3.21	-0.30	0.029
104.00	-21.22	-1.91	0.00	-65.86	0.00	65.86	2,276.31	1,138.16	2,892.27	1,448.28	3.27	-0.30	0.029
104.50	-21.09	-1.90	0.00	-64.90	0.00	64.90	2,270.26	1,135.13	2,874.26	1,439.27	3.30	-0.30	0.029
104.50	-21.09	-1.90	0.00	-64.90	0.00	64.90	2,270.26	1,135.13	2,874.26	1,439.27	3.30	-0.30	0.054
105.00	-20.83	-1.89	0.00	-63.95	0.00	63.95	2,264.20	1,132.10	2,856.29	1,430.27	3.33	-0.30	0.054
106.00	-20.57	-1.88	0.00	-62.06	0.00	62.06	2,251.29	1,125.65	2,819.56	1,411.88	3.40	-0.31	0.053
107.00	-20.31	-1.86	0.00	-60.19	0.00	60.19	2,235.12	1,117.56	2,779.00	1,391.56	3.46	-0.31	0.052
108.00	-20.06	-1.85	0.00	-58.33	0.00	58.33	2,218.95	1,109.48	2,738.73	1,371.40	3.53	-0.32	0.052
109.00	-19.80	-1.83	0.00	-56.48	0.00	56.48	2,202.78	1,101.39	2,698.75	1,351.38	3.60	-0.32	0.051
110.00	-19.55	-1.82	0.00	-54.65	0.00	54.65	2,186.61	1,093.30	2,659.07	1,331.51	3.66	-0.33	0.050
111.00	-19.20	-1.80	0.00	-52.83	0.00	52.83	2,170.44	1,085.22	2,619.69	1,311.79	3.73	-0.33	0.049
112.00	-18.98	-1.79	0.00	-51.03	0.00	51.03	2,154.27	1,077.13	2,580.59	1,292.21	3.80	-0.34	0.048
113.00	-16.73	-1.64	0.00	-49.24	0.00	49.24	2,138.10	1,069.05	2,541.79	1,272.79	3.87	-0.34	0.047

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

114.00	-16.55	-1.63	0.00	-47.60	0.00	47.60	2,121.93	1,060.96	2,503.29	1,253.50	3.95	-0.35	0.046
115.00	-16.37	-1.62	0.00	-45.97	0.00	45.97	2,105.76	1,052.88	2,465.08	1,234.37	4.02	-0.35	0.045
116.00	-16.19	-1.61	0.00	-44.35	0.00	44.35	2,089.59	1,044.79	2,427.16	1,215.38	4.09	-0.35	0.044
117.00	-16.01	-1.60	0.00	-42.75	0.00	42.75	2,073.42	1,036.71	2,389.54	1,196.54	4.17	-0.36	0.043
118.00	-15.83	-1.58	0.00	-41.15	0.00	41.15	2,057.25	1,028.62	2,352.21	1,177.85	4.24	-0.36	0.043
119.00	-15.65	-1.57	0.00	-39.57	0.00	39.57	2,041.07	1,020.54	2,315.17	1,159.31	4.32	-0.37	0.042
120.00	-15.47	-1.56	0.00	-38.00	0.00	38.00	2,024.90	1,012.45	2,278.43	1,140.91	4.40	-0.37	0.041
121.00	-15.30	-1.55	0.00	-36.44	0.00	36.44	2,008.73	1,004.37	2,241.98	1,122.66	4.47	-0.38	0.040
122.00	-12.94	-1.37	0.00	-34.89	0.00	34.89	1,992.56	996.28	2,205.83	1,104.55	4.55	-0.38	0.038
123.00	-12.78	-1.36	0.00	-33.52	0.00	33.52	1,976.39	988.20	2,169.97	1,086.60	4.63	-0.38	0.037
124.00	-12.61	-1.35	0.00	-32.17	0.00	32.17	1,960.22	980.11	2,134.40	1,068.79	4.71	-0.39	0.037
125.00	-12.45	-1.33	0.00	-30.82	0.00	30.82	1,944.05	972.03	2,099.13	1,051.12	4.80	-0.39	0.036
126.00	-12.30	-1.32	0.00	-29.49	0.00	29.49	1,927.88	963.94	2,064.15	1,033.61	4.88	-0.39	0.035
127.00	-12.14	-1.31	0.00	-28.17	0.00	28.17	1,911.71	955.86	2,029.46	1,016.24	4.96	-0.40	0.034
128.00	-11.98	-1.30	0.00	-26.86	0.00	26.86	1,895.54	947.77	1,995.07	999.02	5.04	-0.40	0.033
129.00	-11.82	-1.28	0.00	-25.56	0.00	25.56	1,879.37	939.68	1,960.98	981.95	5.13	-0.41	0.032
130.00	-11.67	-1.27	0.00	-24.28	0.00	24.28	1,863.20	931.60	1,927.17	965.02	5.21	-0.41	0.031
131.00	-11.51	-1.26	0.00	-23.01	0.00	23.01	1,847.03	923.51	1,893.66	948.24	5.30	-0.41	0.030
132.00	-11.49	-1.26	0.00	-21.75	0.00	21.75	1,830.86	915.43	1,860.45	931.61	5.39	-0.42	0.030
132.12	-11.30	-1.24	0.00	-21.60	0.00	21.60	1,828.92	914.46	1,856.49	929.63	5.40	-0.42	0.029
133.00	-11.09	-1.22	0.00	-20.51	0.00	20.51	1,814.69	907.34	1,827.53	915.12	5.47	-0.42	0.029
134.00	-10.87	-1.20	0.00	-19.29	0.00	19.29	1,798.52	899.26	1,794.90	898.78	5.56	-0.42	0.028
135.00	-10.69	-1.19	0.00	-18.09	0.00	18.09	1,782.35	891.17	1,762.57	882.59	5.65	-0.42	0.026
135.87	-10.67	-1.18	0.00	-17.06	0.00	17.06	993.95	496.97	1,000.68	501.09	5.73	-0.43	0.045
136.00	-10.56	-1.17	0.00	-16.90	0.00	16.90	993.20	496.60	998.76	500.12	5.74	-0.43	0.044
137.00	-6.72	-0.81	0.00	-15.73	0.00	15.73	987.45	493.72	984.00	492.73	5.83	-0.43	0.039
138.00	-6.62	-0.80	0.00	-14.92	0.00	14.92	981.64	490.82	969.28	485.36	5.92	-0.44	0.037
139.00	-6.51	-0.79	0.00	-14.12	0.00	14.12	975.77	487.88	954.62	478.02	6.01	-0.44	0.036
140.00	-5.78	-0.72	0.00	-13.33	0.00	13.33	969.84	484.92	940.01	470.70	6.10	-0.44	0.034
141.00	-5.68	-0.71	0.00	-12.61	0.00	12.61	963.86	481.93	925.45	463.41	6.20	-0.45	0.033
142.00	-5.58	-0.70	0.00	-11.91	0.00	11.91	957.82	478.91	910.95	456.15	6.29	-0.45	0.032
143.00	-5.47	-0.69	0.00	-11.21	0.00	11.21	951.72	475.86	896.50	448.92	6.39	-0.45	0.031
144.00	-5.37	-0.68	0.00	-10.52	0.00	10.52	945.56	472.78	882.11	441.71	6.48	-0.46	0.030
145.00	-5.27	-0.67	0.00	-9.85	0.00	9.85	939.35	469.68	867.78	434.53	6.58	-0.46	0.028
146.00	-4.29	-0.56	0.00	-9.18	0.00	9.18	933.08	466.54	853.51	427.39	6.68	-0.46	0.026
147.00	-4.20	-0.55	0.00	-8.62	0.00	8.62	926.76	463.38	839.30	420.27	6.77	-0.47	0.025
148.00	-4.11	-0.54	0.00	-8.07	0.00	8.07	920.37	460.19	825.16	413.19	6.87	-0.47	0.024
149.00	-4.02	-0.53	0.00	-7.53	0.00	7.53	913.93	456.97	811.08	406.14	6.97	-0.47	0.023
150.00	-3.92	-0.52	0.00	-7.00	0.00	7.00	907.44	453.72	797.07	399.13	7.07	-0.48	0.022
151.00	-3.83	-0.51	0.00	-6.48	0.00	6.48	900.88	450.44	783.12	392.14	7.17	-0.48	0.021
152.00	-3.55	-0.48	0.00	-5.97	0.00	5.97	894.27	447.14	769.25	385.20	7.27	-0.48	0.019
153.00	-3.46	-0.47	0.00	-5.49	0.00	5.49	887.60	443.80	755.45	378.29	7.37	-0.48	0.018
154.00	-3.37	-0.46	0.00	-5.02	0.00	5.02	880.88	440.44	741.72	371.41	7.47	-0.49	0.017
155.00	-3.28	-0.45	0.00	-4.57	0.00	4.57	874.09	437.05	728.06	364.57	7.57	-0.49	0.016
156.00	-3.20	-0.44	0.00	-4.12	0.00	4.12	867.26	433.63	714.49	357.77	7.68	-0.49	0.015
157.00	-3.11	-0.42	0.00	-3.68	0.00	3.68	860.36	430.18	700.99	351.01	7.78	-0.49	0.014
158.00	-3.03	-0.41	0.00	-3.26	0.00	3.26	853.41	426.70	687.57	344.29	7.88	-0.49	0.013
159.00	-2.94	-0.40	0.00	-2.85	0.00	2.85	846.39	423.20	674.23	337.61	7.98	-0.49	0.012
160.00	-2.86	-0.39	0.00	-2.44	0.00	2.44	839.33	419.66	660.97	330.98	8.09	-0.50	0.011
161.00	-2.77	-0.38	0.00	-2.05	0.00	2.05	832.20	416.10	647.80	324.38	8.19	-0.50	0.010
162.00	-2.69	-0.37	0.00	-1.67	0.00	1.67	825.02	412.51	634.71	317.83	8.30	-0.50	0.009
163.00	-1.04	-0.15	0.00	-1.30	0.00	1.30	817.78	408.89	621.71	311.32	8.40	-0.50	0.005
164.00	-0.97	-0.14	0.00	-1.15	0.00	1.15	810.15	405.07	608.54	304.72	8.51	-0.50	0.005
165.00	-0.90	-0.13	0.00	-1.00	0.00	1.00	800.44	400.22	593.98	297.43	8.61	-0.50	0.005
166.00	-0.83	-0.12	0.00	-0.87	0.00	0.87	790.74	395.37	579.60	290.23	8.71	-0.50	0.004
167.00	-0.77	-0.11	0.00	-0.75	0.00	0.75	781.04	390.52	565.39	283.11	8.82	-0.50	0.004
168.00	-0.70	-0.11	0.00	-0.63	0.00	0.63	771.34	385.67	551.35	276.09	8.92	-0.50	0.003
169.00	-0.63	-0.10	0.00	-0.53	0.00	0.53	761.63	380.82	537.50	269.15	9.03	-0.50	0.003
170.00	-0.57	-0.09	0.00	-0.43	0.00	0.43	751.93	375.97	523.82	262.30	9.14	-0.50	0.002
171.00	-0.50	-0.08	0.00	-0.35	0.00	0.35	742.23	371.11	510.32	255.54	9.24	-0.50	0.002
172.00	-0.44	-0.07	0.00	-0.27	0.00	0.27	732.53	366.26	496.99	248.86	9.35	-0.50	0.002
173.00	-0.37	-0.06	0.00	-0.20	0.00	0.20	722.82	361.41	483.84	242.28	9.45	-0.50	0.001
174.00	-0.31	-0.05	0.00	-0.14	0.00	0.14	713.12	356.56	470.86	235.78	9.56	-0.50	0.001
175.00	-0.25	-0.04	0.00	-0.10	0.00	0.10	703.42	351.71	458.07	229.37	9.66	-0.50	0.001

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

176.00	-0.18	-0.03	0.00	-0.06	0.00	0.06	693.72	346.86	445.44	223.05	9.77	-0.50	0.001
177.00	-0.12	-0.02	0.00	-0.03	0.00	0.03	684.02	342.01	433.00	216.82	9.87	-0.50	0.000
178.00	-0.06	-0.01	0.00	-0.01	0.00	0.01	674.31	337.16	420.73	210.68	9.98	-0.50	0.000
179.00	0.00	0.00	0.00	0.00	0.00	0.00	664.61	332.31	408.64	204.62	10.08	-0.50	0.000
180.00	0.00	0.00	0.00	0.00	0.00	0.00	654.91	327.45	396.72	198.65	10.19	-0.50	0.000

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:18 PM

Customer: AT&T Mobility

Load Case (0.9 - 0.2Sds) * DL + E ELFM

Seismic (Reduced DL) Equivalent Lateral Forces Method

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-48.41	-2.57	0.00	-317.31	0.00	317.31	5,102.86	2,551.43	10,963.2	5,489.79	0.00	0.00	0.050
1.00	-48.05	-2.57	0.00	-314.74	0.00	314.74	5,088.23	2,544.11	10,885.6	5,450.89	0.00	0.00	0.050
2.00	-47.69	-2.57	0.00	-312.17	0.00	312.17	5,073.54	2,536.77	10,808.0	5,412.06	0.00	-0.01	0.050
3.00	-47.33	-2.58	0.00	-309.59	0.00	309.59	5,058.79	2,529.39	10,730.6	5,373.31	0.00	-0.01	0.050
4.00	-46.97	-2.58	0.00	-307.02	0.00	307.02	5,043.98	2,521.99	10,653.4	5,334.64	0.00	-0.01	0.050
5.00	-46.61	-2.58	0.00	-304.44	0.00	304.44	5,029.12	2,514.56	10,576.3	5,296.03	0.01	-0.01	0.049
6.00	-46.25	-2.58	0.00	-301.86	0.00	301.86	5,014.20	2,507.10	10,499.4	5,257.51	0.01	-0.02	0.049
7.00	-45.89	-2.58	0.00	-299.28	0.00	299.28	4,999.22	2,499.61	10,422.6	5,219.05	0.01	-0.02	0.049
8.00	-45.54	-2.59	0.00	-296.70	0.00	296.70	4,984.19	2,492.10	10,345.9	5,180.68	0.02	-0.02	0.049
9.00	-45.18	-2.59	0.00	-294.11	0.00	294.11	4,969.10	2,484.55	10,269.5	5,142.38	0.02	-0.02	0.049
10.00	-44.83	-2.59	0.00	-291.52	0.00	291.52	4,953.95	2,476.98	10,193.1	5,104.17	0.03	-0.03	0.049
11.00	-44.47	-2.59	0.00	-288.93	0.00	288.93	4,938.75	2,469.37	10,117.0	5,066.03	0.03	-0.03	0.049
12.00	-44.12	-2.59	0.00	-286.34	0.00	286.34	4,923.49	2,461.74	10,041.0	5,027.97	0.04	-0.03	0.048
13.00	-43.77	-2.59	0.00	-283.75	0.00	283.75	4,908.17	2,454.08	9,965.17	4,989.99	0.05	-0.04	0.048
14.00	-43.42	-2.60	0.00	-281.16	0.00	281.16	4,892.79	2,446.40	9,889.49	4,952.10	0.06	-0.04	0.048
15.00	-43.07	-2.60	0.00	-278.56	0.00	278.56	4,877.36	2,438.68	9,813.98	4,914.28	0.06	-0.04	0.048
16.00	-42.72	-2.60	0.00	-275.96	0.00	275.96	4,861.87	2,430.94	9,738.63	4,876.55	0.07	-0.04	0.048
17.00	-42.37	-2.60	0.00	-273.37	0.00	273.37	4,846.32	2,423.16	9,663.45	4,838.91	0.08	-0.05	0.048
18.00	-42.02	-2.60	0.00	-270.77	0.00	270.77	4,830.72	2,415.36	9,588.44	4,801.34	0.09	-0.05	0.047
19.00	-41.67	-2.60	0.00	-268.17	0.00	268.17	4,815.06	2,407.53	9,513.60	4,763.87	0.10	-0.05	0.047
20.00	-41.33	-2.60	0.00	-265.57	0.00	265.57	4,799.34	2,399.67	9,438.93	4,726.48	0.11	-0.05	0.047
21.00	-40.98	-2.60	0.00	-262.97	0.00	262.97	4,783.57	2,391.78	9,364.44	4,689.18	0.13	-0.06	0.047
22.00	-40.64	-2.60	0.00	-260.36	0.00	260.36	4,767.74	2,383.87	9,290.12	4,651.96	0.14	-0.06	0.047
23.00	-40.30	-2.60	0.00	-257.76	0.00	257.76	4,751.85	2,375.92	9,215.98	4,614.84	0.15	-0.06	0.046
24.00	-39.96	-2.60	0.00	-255.16	0.00	255.16	4,735.90	2,367.95	9,142.01	4,577.80	0.16	-0.07	0.046
25.00	-39.61	-2.60	0.00	-252.56	0.00	252.56	4,719.90	2,359.95	9,068.23	4,540.86	0.18	-0.07	0.046
26.00	-39.27	-2.60	0.00	-249.95	0.00	249.95	4,703.84	2,351.92	8,994.63	4,504.00	0.19	-0.07	0.046
27.00	-38.93	-2.60	0.00	-247.35	0.00	247.35	4,687.72	2,343.86	8,921.22	4,467.24	0.21	-0.07	0.046
28.00	-38.60	-2.60	0.00	-244.75	0.00	244.75	4,671.55	2,335.77	8,847.98	4,430.57	0.22	-0.08	0.045
29.00	-38.26	-2.60	0.00	-242.15	0.00	242.15	4,655.31	2,327.66	8,774.94	4,393.99	0.24	-0.08	0.045
30.00	-37.91	-2.60	0.00	-239.54	0.00	239.54	4,639.03	2,319.51	8,702.08	4,357.51	0.26	-0.08	0.045
31.00	-37.58	-2.60	0.00	-236.94	0.00	236.94	4,622.68	2,311.34	8,629.41	4,321.12	0.27	-0.09	0.045
32.00	-37.24	-2.60	0.00	-234.34	0.00	234.34	4,606.28	2,303.14	8,556.93	4,284.83	0.29	-0.09	0.045
33.00	-36.91	-2.60	0.00	-231.74	0.00	231.74	4,589.82	2,294.91	8,484.65	4,248.63	0.31	-0.09	0.044
34.00	-36.58	-2.60	0.00	-229.15	0.00	229.15	4,573.30	2,286.65	8,412.56	4,212.53	0.33	-0.09	0.044
35.00	-36.24	-2.60	0.00	-226.55	0.00	226.55	4,556.73	2,278.36	8,340.67	4,176.53	0.35	-0.10	0.044
36.00	-35.91	-2.59	0.00	-223.95	0.00	223.95	4,540.10	2,270.05	8,268.97	4,140.63	0.37	-0.10	0.044
37.00	-35.58	-2.59	0.00	-221.36	0.00	221.36	4,523.41	2,261.70	8,197.47	4,104.83	0.39	-0.10	0.044
38.00	-35.25	-2.59	0.00	-218.77	0.00	218.77	4,506.66	2,253.33	8,126.17	4,069.13	0.42	-0.11	0.043
39.00	-34.93	-2.59	0.00	-216.18	0.00	216.18	4,489.86	2,244.93	8,055.08	4,033.53	0.44	-0.11	0.043
40.00	-34.60	-2.58	0.00	-213.59	0.00	213.59	4,473.00	2,236.50	7,984.18	3,998.03	0.46	-0.11	0.043
41.00	-34.27	-2.58	0.00	-211.01	0.00	211.01	4,456.09	2,228.04	7,913.50	3,962.63	0.48	-0.11	0.043
42.00	-33.96	-2.58	0.00	-208.43	0.00	208.43	4,439.11	2,219.56	7,843.02	3,927.34	0.51	-0.12	0.042
42.96	-33.94	-2.58	0.00	-205.96	0.00	205.96	4,422.82	2,211.41	7,775.79	3,893.68	0.53	-0.12	0.042
43.00	-33.46	-2.57	0.00	-205.85	0.00	205.85	4,422.08	2,211.04	7,772.74	3,892.15	0.53	-0.12	0.042
44.00	-32.99	-2.57	0.00	-203.27	0.00	203.27	4,400.67	2,200.33	7,695.11	3,853.28	0.56	-0.12	0.042
45.00	-32.51	-2.56	0.00	-200.71	0.00	200.71	4,378.03	2,189.01	7,615.75	3,813.53	0.59	-0.13	0.041
46.00	-32.04	-2.56	0.00	-198.14	0.00	198.14	4,355.39	2,177.70	7,536.79	3,773.99	0.61	-0.13	0.041
47.00	-31.57	-2.55	0.00	-195.59	0.00	195.59	4,332.75	2,166.38	7,458.24	3,734.66	0.64	-0.13	0.041
48.00	-31.10	-2.54	0.00	-193.04	0.00	193.04	4,310.11	2,155.06	7,380.10	3,695.54	0.67	-0.13	0.041
49.00	-31.08	-2.54	0.00	-190.50	0.00	190.50	4,287.47	2,143.74	7,302.38	3,656.62	0.70	-0.14	0.040
49.04	-30.80	-2.54	0.00	-190.40	0.00	190.40	3,604.17	1,802.08	6,267.69	3,138.50	0.70	-0.14	0.046
50.00	-30.50	-2.53	0.00	-187.96	0.00	187.96	3,591.50	1,795.75	6,214.33	3,111.78	0.72	-0.14	0.045
51.00	-30.20	-2.53	0.00	-185.43	0.00	185.43	3,578.26	1,789.13	6,158.90	3,084.03	0.75	-0.14	0.045
52.00	-29.91	-2.52	0.00	-182.90	0.00	182.90	3,564.96	1,782.48	6,103.60	3,056.34	0.78	-0.15	0.045
53.00	-29.61	-2.52	0.00	-180.37	0.00	180.37	3,551.60	1,775.80	6,048.46	3,028.72	0.82	-0.15	0.044

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

54.00	-29.32	-2.51	0.00	-177.85	0.00	177.85	3,538.18	1,769.09	5,993.45	3,001.18	0.85	-0.15	0.044
55.00	-29.02	-2.51	0.00	-175.34	0.00	175.34	3,524.70	1,762.35	5,938.60	2,973.71	0.88	-0.16	0.044
56.00	-28.73	-2.50	0.00	-172.83	0.00	172.83	3,511.17	1,755.59	5,883.90	2,946.32	0.91	-0.16	0.043
57.00	-28.44	-2.50	0.00	-170.32	0.00	170.32	3,497.59	1,748.79	5,829.34	2,919.00	0.95	-0.16	0.043
58.00	-28.15	-2.49	0.00	-167.82	0.00	167.82	3,483.94	1,741.97	5,774.94	2,891.76	0.98	-0.16	0.043
59.00	-27.86	-2.49	0.00	-165.33	0.00	165.33	3,470.24	1,735.12	5,720.69	2,864.60	1.02	-0.17	0.042
60.00	-27.57	-2.48	0.00	-162.85	0.00	162.85	3,456.48	1,728.24	5,666.60	2,837.51	1.05	-0.17	0.042
61.00	-27.28	-2.47	0.00	-160.37	0.00	160.37	3,442.66	1,721.33	5,612.67	2,810.51	1.09	-0.17	0.042
62.00	-26.99	-2.47	0.00	-157.89	0.00	157.89	3,428.79	1,714.39	5,558.89	2,783.58	1.12	-0.18	0.041
63.00	-26.70	-2.46	0.00	-155.43	0.00	155.43	3,414.86	1,707.43	5,505.28	2,756.73	1.16	-0.18	0.041
64.00	-26.42	-2.45	0.00	-152.97	0.00	152.97	3,400.87	1,700.44	5,451.82	2,729.96	1.20	-0.18	0.041
65.00	-26.13	-2.44	0.00	-150.52	0.00	150.52	3,386.83	1,693.41	5,398.53	2,703.28	1.24	-0.19	0.040
66.00	-25.85	-2.44	0.00	-148.07	0.00	148.07	3,372.72	1,686.36	5,345.41	2,676.68	1.28	-0.19	0.040
67.00	-25.56	-2.43	0.00	-145.64	0.00	145.64	3,358.57	1,679.28	5,292.45	2,650.16	1.32	-0.19	0.040
68.00	-25.28	-2.42	0.00	-143.21	0.00	143.21	3,344.35	1,672.18	5,239.65	2,623.72	1.36	-0.19	0.039
69.00	-24.99	-2.41	0.00	-140.79	0.00	140.79	3,330.08	1,665.04	5,187.03	2,597.37	1.40	-0.20	0.039
70.00	-24.71	-2.40	0.00	-138.38	0.00	138.38	3,315.75	1,657.87	5,134.58	2,571.11	1.44	-0.20	0.038
71.00	-24.43	-2.39	0.00	-135.98	0.00	135.98	3,301.36	1,650.68	5,082.30	2,544.93	1.48	-0.20	0.038
72.00	-24.15	-2.38	0.00	-133.59	0.00	133.59	3,286.92	1,643.46	5,030.20	2,518.84	1.53	-0.21	0.038
73.00	-23.87	-2.37	0.00	-131.21	0.00	131.21	3,272.42	1,636.21	4,978.27	2,492.84	1.57	-0.21	0.037
74.00	-23.59	-2.36	0.00	-128.84	0.00	128.84	3,257.86	1,628.93	4,926.52	2,466.92	1.61	-0.21	0.037
75.00	-23.31	-2.35	0.00	-126.48	0.00	126.48	3,242.30	1,621.15	4,873.54	2,440.39	1.66	-0.22	0.036
76.00	-23.04	-2.34	0.00	-124.13	0.00	124.13	3,222.90	1,611.45	4,815.08	2,411.12	1.70	-0.22	0.036
77.00	-22.76	-2.33	0.00	-121.79	0.00	121.79	3,203.49	1,601.75	4,756.98	2,382.03	1.75	-0.22	0.036
78.00	-22.48	-2.32	0.00	-119.46	0.00	119.46	3,184.09	1,592.04	4,699.23	2,353.11	1.80	-0.22	0.035
79.00	-22.21	-2.31	0.00	-117.14	0.00	117.14	3,164.68	1,582.34	4,641.84	2,324.37	1.84	-0.23	0.035
80.00	-21.70	-2.28	0.00	-114.83	0.00	114.83	3,145.28	1,572.64	4,584.79	2,295.80	1.89	-0.23	0.035
81.00	-21.42	-2.27	0.00	-112.55	0.00	112.55	3,125.87	1,562.94	4,528.10	2,267.42	1.94	-0.23	0.034
82.00	-21.15	-2.26	0.00	-110.28	0.00	110.28	3,106.47	1,553.24	4,471.77	2,239.21	1.99	-0.24	0.034
83.00	-20.88	-2.25	0.00	-108.02	0.00	108.02	3,087.07	1,543.53	4,415.78	2,211.17	2.04	-0.24	0.034
84.00	-20.61	-2.23	0.00	-105.77	0.00	105.77	3,067.66	1,533.83	4,360.15	2,183.32	2.09	-0.24	0.033
85.00	-20.34	-2.22	0.00	-103.54	0.00	103.54	3,048.26	1,524.13	4,304.87	2,155.63	2.14	-0.24	0.033
86.00	-20.07	-2.21	0.00	-101.32	0.00	101.32	3,028.85	1,514.43	4,249.94	2,128.13	2.19	-0.25	0.032
87.00	-19.92	-2.20	0.00	-99.12	0.00	99.12	3,009.45	1,504.72	4,195.37	2,100.80	2.24	-0.25	0.032
87.54	-19.75	-2.19	0.00	-97.93	0.00	97.93	2,998.97	1,499.48	4,166.05	2,086.12	2.27	-0.25	0.032
88.00	-19.39	-2.17	0.00	-96.92	0.00	96.92	2,990.04	1,495.02	4,141.15	2,073.65	2.30	-0.25	0.031
89.00	-19.02	-2.15	0.00	-94.75	0.00	94.75	2,970.64	1,485.32	4,087.28	2,046.68	2.35	-0.26	0.031
90.00	-18.66	-2.13	0.00	-92.60	0.00	92.60	2,951.23	1,475.62	4,033.76	2,019.88	2.40	-0.26	0.030
91.00	-18.29	-2.11	0.00	-90.48	0.00	90.48	2,931.83	1,465.91	3,980.60	1,993.26	2.46	-0.26	0.030
92.00	-18.13	-2.10	0.00	-88.37	0.00	88.37	2,912.42	1,456.21	3,927.79	1,966.81	2.51	-0.26	0.030
92.46	-17.99	-2.09	0.00	-87.41	0.00	87.41	2,412.07	1,206.04	3,317.78	1,661.36	2.54	-0.26	0.033
93.00	-17.75	-2.07	0.00	-86.28	0.00	86.28	2,405.85	1,202.93	3,297.34	1,651.12	2.57	-0.27	0.033
94.00	-17.50	-2.06	0.00	-84.20	0.00	84.20	2,394.36	1,197.18	3,259.83	1,632.34	2.63	-0.27	0.032
95.00	-17.25	-2.04	0.00	-82.14	0.00	82.14	2,382.81	1,191.41	3,222.46	1,613.62	2.68	-0.27	0.032
96.00	-16.59	-2.00	0.00	-80.10	0.00	80.10	2,371.21	1,185.60	3,185.22	1,594.98	2.74	-0.27	0.031
97.00	-16.35	-1.98	0.00	-78.10	0.00	78.10	2,359.55	1,179.77	3,148.11	1,576.40	2.80	-0.28	0.030
98.00	-16.10	-1.97	0.00	-76.11	0.00	76.11	2,347.83	1,173.91	3,111.14	1,557.88	2.86	-0.28	0.030
99.00	-15.86	-1.95	0.00	-74.14	0.00	74.14	2,336.05	1,168.03	3,074.31	1,539.44	2.91	-0.28	0.029
100.00	-15.62	-1.94	0.00	-72.19	0.00	72.19	2,324.22	1,162.11	3,037.61	1,521.06	2.97	-0.28	0.029
101.00	-15.38	-1.92	0.00	-70.26	0.00	70.26	2,312.33	1,156.16	3,001.06	1,502.76	3.03	-0.29	0.028
102.00	-15.14	-1.90	0.00	-68.34	0.00	68.34	2,300.38	1,150.19	2,964.65	1,484.53	3.09	-0.29	0.028
103.00	-14.90	-1.88	0.00	-66.44	0.00	66.44	2,288.38	1,144.19	2,928.39	1,466.37	3.16	-0.29	0.027
104.00	-14.78	-1.87	0.00	-64.56	0.00	64.56	2,276.31	1,138.16	2,892.27	1,448.28	3.22	-0.30	0.027
104.50	-14.69	-1.87	0.00	-63.62	0.00	63.62	2,270.26	1,135.13	2,874.26	1,439.27	3.25	-0.30	0.026
104.50	-14.69	-1.87	0.00	-63.62	0.00	63.62	2,270.26	1,135.13	2,874.26	1,439.27	3.25	-0.30	0.051
105.00	-14.51	-1.85	0.00	-62.69	0.00	62.69	2,264.20	1,132.10	2,856.29	1,430.27	3.28	-0.30	0.050
106.00	-14.33	-1.84	0.00	-60.83	0.00	60.83	2,251.29	1,125.65	2,819.56	1,411.88	3.34	-0.30	0.049
107.00	-14.15	-1.83	0.00	-58.99	0.00	58.99	2,235.12	1,117.56	2,779.00	1,391.56	3.41	-0.31	0.049
108.00	-13.97	-1.81	0.00	-57.17	0.00	57.17	2,218.95	1,109.48	2,738.73	1,371.40	3.47	-0.31	0.048
109.00	-13.79	-1.80	0.00	-55.35	0.00	55.35	2,202.78	1,101.39	2,698.75	1,351.38	3.54	-0.32	0.047
110.00	-13.61	-1.78	0.00	-53.56	0.00	53.56	2,186.61	1,093.30	2,659.07	1,331.51	3.60	-0.32	0.046
111.00	-13.37	-1.76	0.00	-51.77	0.00	51.77	2,170.44	1,085.22	2,619.69	1,311.79	3.67	-0.33	0.046
112.00	-13.22	-1.75	0.00	-50.01	0.00	50.01	2,154.27	1,077.13	2,580.59	1,292.21	3.74	-0.33	0.045
113.00	-11.65	-1.61	0.00	-48.26	0.00	48.26	2,138.10	1,069.05	2,541.79	1,272.79	3.81	-0.33	0.043

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

114.00	-11.53	-1.60	0.00	-46.65	0.00	46.65	2,121.93	1,060.96	2,503.29	1,253.50	3.88	-0.34	0.043
115.00	-11.40	-1.59	0.00	-45.05	0.00	45.05	2,105.76	1,052.88	2,465.08	1,234.37	3.95	-0.34	0.042
116.00	-11.27	-1.57	0.00	-43.47	0.00	43.47	2,089.59	1,044.79	2,427.16	1,215.38	4.02	-0.35	0.041
117.00	-11.15	-1.56	0.00	-41.89	0.00	41.89	2,073.42	1,036.71	2,389.54	1,196.54	4.10	-0.35	0.040
118.00	-11.02	-1.55	0.00	-40.33	0.00	40.33	2,057.25	1,028.62	2,352.21	1,177.85	4.17	-0.36	0.040
119.00	-10.90	-1.54	0.00	-38.78	0.00	38.78	2,041.07	1,020.54	2,315.17	1,159.31	4.25	-0.36	0.039
120.00	-10.77	-1.53	0.00	-37.24	0.00	37.24	2,024.90	1,012.45	2,278.43	1,140.91	4.32	-0.36	0.038
121.00	-10.65	-1.52	0.00	-35.71	0.00	35.71	2,008.73	1,004.37	2,241.98	1,122.66	4.40	-0.37	0.037
122.00	-9.01	-1.34	0.00	-34.19	0.00	34.19	1,992.56	996.28	2,205.83	1,104.55	4.48	-0.37	0.035
123.00	-8.90	-1.33	0.00	-32.85	0.00	32.85	1,976.39	988.20	2,169.97	1,086.60	4.56	-0.38	0.035
124.00	-8.79	-1.32	0.00	-31.52	0.00	31.52	1,960.22	980.11	2,134.40	1,068.79	4.63	-0.38	0.034
125.00	-8.67	-1.31	0.00	-30.20	0.00	30.20	1,944.05	972.03	2,099.13	1,051.12	4.71	-0.38	0.033
126.00	-8.56	-1.29	0.00	-28.90	0.00	28.90	1,927.88	963.94	2,064.15	1,033.61	4.80	-0.39	0.032
127.00	-8.45	-1.28	0.00	-27.60	0.00	27.60	1,911.71	955.86	2,029.46	1,016.24	4.88	-0.39	0.032
128.00	-8.34	-1.27	0.00	-26.32	0.00	26.32	1,895.54	947.77	1,995.07	999.02	4.96	-0.39	0.031
129.00	-8.23	-1.26	0.00	-25.05	0.00	25.05	1,879.37	939.68	1,960.98	981.95	5.04	-0.40	0.030
130.00	-8.12	-1.24	0.00	-23.79	0.00	23.79	1,863.20	931.60	1,927.17	965.02	5.13	-0.40	0.029
131.00	-8.02	-1.23	0.00	-22.55	0.00	22.55	1,847.03	923.51	1,893.66	948.24	5.21	-0.40	0.028
132.00	-8.00	-1.23	0.00	-21.32	0.00	21.32	1,830.86	915.43	1,860.45	931.61	5.30	-0.41	0.027
132.12	-7.87	-1.21	0.00	-21.17	0.00	21.17	1,828.92	914.46	1,856.49	929.63	5.31	-0.41	0.027
133.00	-7.72	-1.20	0.00	-20.10	0.00	20.10	1,814.69	907.34	1,827.53	915.12	5.38	-0.41	0.026
134.00	-7.57	-1.18	0.00	-18.91	0.00	18.91	1,798.52	899.26	1,794.90	898.78	5.47	-0.41	0.025
135.00	-7.44	-1.16	0.00	-17.73	0.00	17.73	1,782.35	891.17	1,762.57	882.59	5.55	-0.42	0.024
135.87	-7.43	-1.16	0.00	-16.72	0.00	16.72	993.95	496.97	1,000.68	501.09	5.63	-0.42	0.041
136.00	-7.35	-1.15	0.00	-16.57	0.00	16.57	993.20	496.60	998.76	500.12	5.64	-0.42	0.041
137.00	-4.68	-0.79	0.00	-15.42	0.00	15.42	987.45	493.72	984.00	492.73	5.73	-0.42	0.036
138.00	-4.61	-0.78	0.00	-14.63	0.00	14.63	981.64	490.82	969.28	485.36	5.82	-0.43	0.035
139.00	-4.54	-0.77	0.00	-13.84	0.00	13.84	975.77	487.88	954.62	478.02	5.91	-0.43	0.034
140.00	-4.03	-0.70	0.00	-13.07	0.00	13.07	969.84	484.92	940.01	470.70	6.00	-0.44	0.032
141.00	-3.96	-0.69	0.00	-12.37	0.00	12.37	963.86	481.93	925.45	463.41	6.09	-0.44	0.031
142.00	-3.88	-0.68	0.00	-11.67	0.00	11.67	957.82	478.91	910.95	456.15	6.18	-0.44	0.030
143.00	-3.81	-0.67	0.00	-10.99	0.00	10.99	951.72	475.86	896.50	448.92	6.28	-0.45	0.028
144.00	-3.74	-0.66	0.00	-10.32	0.00	10.32	945.56	472.78	882.11	441.71	6.37	-0.45	0.027
145.00	-3.67	-0.65	0.00	-9.65	0.00	9.65	939.35	469.68	867.78	434.53	6.47	-0.45	0.026
146.00	-2.99	-0.55	0.00	-9.00	0.00	9.00	933.08	466.54	853.51	427.39	6.56	-0.46	0.024
147.00	-2.92	-0.54	0.00	-8.45	0.00	8.45	926.76	463.38	839.30	420.27	6.66	-0.46	0.023
148.00	-2.86	-0.53	0.00	-7.91	0.00	7.91	920.37	460.19	825.16	413.19	6.75	-0.46	0.022
149.00	-2.80	-0.52	0.00	-7.38	0.00	7.38	913.93	456.97	811.08	406.14	6.85	-0.46	0.021
150.00	-2.73	-0.51	0.00	-6.86	0.00	6.86	907.44	453.72	797.07	399.13	6.95	-0.47	0.020
151.00	-2.67	-0.50	0.00	-6.35	0.00	6.35	900.88	450.44	783.12	392.14	7.05	-0.47	0.019
152.00	-2.47	-0.47	0.00	-5.85	0.00	5.85	894.27	447.14	769.25	385.20	7.14	-0.47	0.018
153.00	-2.41	-0.46	0.00	-5.38	0.00	5.38	887.60	443.80	755.45	378.29	7.24	-0.47	0.017
154.00	-2.35	-0.45	0.00	-4.93	0.00	4.93	880.88	440.44	741.72	371.41	7.34	-0.48	0.016
155.00	-2.29	-0.44	0.00	-4.48	0.00	4.48	874.09	437.05	728.06	364.57	7.44	-0.48	0.015
156.00	-2.23	-0.43	0.00	-4.04	0.00	4.04	867.26	433.63	714.49	357.77	7.54	-0.48	0.014
157.00	-2.17	-0.42	0.00	-3.61	0.00	3.61	860.36	430.18	700.99	351.01	7.64	-0.48	0.013
158.00	-2.11	-0.41	0.00	-3.20	0.00	3.20	853.41	426.70	687.57	344.29	7.74	-0.48	0.012
159.00	-2.05	-0.40	0.00	-2.79	0.00	2.79	846.39	423.20	674.23	337.61	7.85	-0.49	0.011
160.00	-1.99	-0.38	0.00	-2.40	0.00	2.40	839.33	419.66	660.97	330.98	7.95	-0.49	0.010
161.00	-1.93	-0.37	0.00	-2.01	0.00	2.01	832.20	416.10	647.80	324.38	8.05	-0.49	0.009
162.00	-1.87	-0.36	0.00	-1.64	0.00	1.64	825.02	412.51	634.71	317.83	8.15	-0.49	0.007
163.00	-0.72	-0.15	0.00	-1.27	0.00	1.27	817.78	408.89	621.71	311.32	8.25	-0.49	0.005
164.00	-0.68	-0.14	0.00	-1.13	0.00	1.13	810.15	405.07	608.54	304.72	8.36	-0.49	0.005
165.00	-0.63	-0.13	0.00	-0.99	0.00	0.99	800.44	400.22	593.98	297.43	8.46	-0.49	0.004
166.00	-0.58	-0.12	0.00	-0.85	0.00	0.85	790.74	395.37	579.60	290.23	8.56	-0.49	0.004
167.00	-0.53	-0.11	0.00	-0.73	0.00	0.73	781.04	390.52	565.39	283.11	8.67	-0.49	0.003
168.00	-0.49	-0.10	0.00	-0.62	0.00	0.62	771.34	385.67	551.35	276.09	8.77	-0.49	0.003
169.00	-0.44	-0.09	0.00	-0.52	0.00	0.52	761.63	380.82	537.50	269.15	8.87	-0.49	0.003
170.00	-0.40	-0.08	0.00	-0.42	0.00	0.42	751.93	375.97	523.82	262.30	8.98	-0.49	0.002
171.00	-0.35	-0.08	0.00	-0.34	0.00	0.34	742.23	371.11	510.32	255.54	9.08	-0.49	0.002
172.00	-0.30	-0.07	0.00	-0.26	0.00	0.26	732.53	366.26	496.99	248.86	9.18	-0.49	0.001
173.00	-0.26	-0.06	0.00	-0.20	0.00	0.20	722.82	361.41	483.84	242.28	9.29	-0.49	0.001
174.00	-0.22	-0.05	0.00	-0.14	0.00	0.14	713.12	356.56	470.86	235.78	9.39	-0.49	0.001
175.00	-0.17	-0.04	0.00	-0.09	0.00	0.09	703.42	351.71	458.07	229.37	9.49	-0.49	0.001

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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176.00	-0.13	-0.03	0.00	-0.06	0.00	0.06	693.72	346.86	445.44	223.05	9.60	-0.49	0.000
177.00	-0.09	-0.02	0.00	-0.03	0.00	0.03	684.02	342.01	433.00	216.82	9.70	-0.49	0.000
178.00	-0.04	-0.01	0.00	-0.01	0.00	0.01	674.31	337.16	420.73	210.68	9.80	-0.49	0.000
179.00	0.00	0.00	0.00	0.00	0.00	0.00	664.61	332.31	408.64	204.62	9.91	-0.49	0.000
180.00	0.00	0.00	0.00	0.00	0.00	0.00	654.91	327.45	396.72	198.65	10.01	-0.49	0.000

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Equivalent Modal Forces Analysis

(Based on ASCE7-10 Chapters 11, 12 & 15 and ANSI/TIA-G, section 2.7)

Spectral Response Acceleration for Short Period (S_s):	0.18
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.06
Importance Factor (I_E):	1.50
Site Coefficient F_a :	1.60
Site Coefficient F_v :	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.19
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.10
Period Based on Rayleigh Method (sec):	2.64
Redundancy Factor (ρ):	1.30

Load Case (1.2 + 0.2Sds) * DL + E EMAM **Seismic Equivalent Modal Analysis Method**

Segment	Height Above Base (ft)	Weight (lb)	a	b	c	Saz	Horizontal Force (lb)	Vertical Force (lb)
187	179.50	49	1.880	1.925	1.120	0.351	22	61
186	178.50	50	1.859	1.819	1.081	0.338	22	61
185	177.50	50	1.838	1.716	1.044	0.325	21	62
184	176.50	51	1.817	1.618	1.007	0.313	21	63
183	175.50	51	1.797	1.523	0.972	0.300	20	63
182	174.50	51	1.776	1.433	0.937	0.288	19	64
181	173.50	52	1.756	1.346	0.903	0.276	19	64
180	172.50	52	1.736	1.263	0.871	0.264	18	65
179	171.50	53	1.716	1.183	0.839	0.253	17	65
178	170.50	53	1.696	1.106	0.808	0.241	17	66
177	169.50	54	1.676	1.033	0.778	0.230	16	66
176	168.50	54	1.656	0.963	0.749	0.220	15	67
175	167.50	55	1.637	0.896	0.721	0.209	15	68
174	166.50	55	1.617	0.832	0.694	0.199	14	68
173	165.50	55	1.598	0.772	0.667	0.188	14	69
172	164.50	56	1.579	0.713	0.641	0.178	13	69
171	163.50	56	1.559	0.658	0.616	0.169	12	70
170	162.50	68	1.540	0.605	0.592	0.159	14	84
169	161.50	68	1.521	0.555	0.569	0.150	13	84
168	160.50	69	1.503	0.508	0.546	0.141	13	85
167	159.50	69	1.484	0.462	0.524	0.132	12	85
166	158.50	69	1.465	0.420	0.503	0.124	11	86
165	157.50	70	1.447	0.379	0.482	0.115	10	86
164	156.50	70	1.429	0.340	0.462	0.107	10	87
163	155.50	71	1.411	0.304	0.443	0.099	9	88
162	154.50	71	1.392	0.270	0.424	0.091	8	88
161	153.50	72	1.374	0.237	0.406	0.084	8	89
160	152.50	72	1.357	0.207	0.388	0.076	7	89
159	151.50	73	1.339	0.178	0.372	0.069	7	91
158	150.50	74	1.321	0.151	0.355	0.062	6	91
157	149.50	74	1.304	0.126	0.339	0.056	5	92
156	148.50	75	1.286	0.102	0.324	0.049	5	92
155	147.50	75	1.269	0.080	0.309	0.043	4	93
154	146.50	76	1.252	0.059	0.295	0.037	4	94

Site Number: 302506

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Site Name: Winchester CT 3, CT

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153	145.50	82	1.235	0.040	0.282	0.031	3	101
152	144.50	82	1.218	0.022	0.268	0.026	3	102
151	143.50	83	1.201	0.006	0.256	0.020	2	102
150	142.50	83	1.185	-0.009	0.243	0.015	2	103
149	141.50	84	1.168	-0.023	0.232	0.010	1	104
148	140.50	84	1.152	-0.036	0.220	0.005	1	104
147	139.50	85	1.135	-0.048	0.209	0.001	0	105
146	138.50	86	1.119	-0.059	0.199	-0.004	0	106
145	137.50	86	1.103	-0.068	0.189	-0.008	-1	107
144	136.50	90	1.087	-0.077	0.179	-0.012	-1	112
143	135.93	12	1.078	-0.082	0.174	-0.014	0	15
142	135.43	150	1.070	-0.085	0.169	-0.016	-3	185
141	134.50	173	1.055	-0.092	0.161	-0.019	-4	214
140	133.50	174	1.040	-0.098	0.152	-0.022	-5	216
139	132.56	154	1.025	-0.103	0.144	-0.025	-5	191
138	132.06	15	1.017	-0.105	0.140	-0.027	-1	18
137	131.50	125	1.009	-0.108	0.136	-0.028	-5	155
136	130.50	126	0.993	-0.111	0.128	-0.031	-5	156
135	129.50	127	0.978	-0.115	0.121	-0.034	-6	157
134	128.50	127	0.963	-0.117	0.114	-0.036	-6	158
133	127.50	128	0.948	-0.119	0.107	-0.038	-6	159
132	126.50	129	0.933	-0.121	0.101	-0.040	-7	159
131	125.50	130	0.919	-0.121	0.095	-0.041	-7	160
130	124.50	130	0.904	-0.122	0.089	-0.043	-7	161
129	123.50	131	0.890	-0.122	0.083	-0.044	-7	162
128	122.50	132	0.875	-0.121	0.078	-0.045	-8	163
127	121.50	142	0.861	-0.120	0.073	-0.046	-8	176
126	120.50	143	0.847	-0.119	0.068	-0.046	-9	177
125	119.50	144	0.833	-0.117	0.064	-0.047	-9	178
124	118.50	145	0.819	-0.115	0.059	-0.047	-9	179
123	117.50	145	0.805	-0.113	0.055	-0.047	-9	180
122	116.50	146	0.792	-0.110	0.051	-0.046	-9	181
121	115.50	147	0.778	-0.108	0.048	-0.046	-9	182
120	114.50	148	0.765	-0.104	0.044	-0.045	-9	183
119	113.50	148	0.751	-0.101	0.041	-0.044	-9	184
118	112.50	178	0.738	-0.098	0.038	-0.043	-10	220
117	111.50	200	0.725	-0.094	0.035	-0.042	-11	248
116	110.50	206	0.712	-0.091	0.032	-0.041	-11	255
115	109.50	207	0.699	-0.087	0.030	-0.039	-11	256
114	108.50	207	0.687	-0.083	0.027	-0.037	-10	257
113	107.50	208	0.674	-0.079	0.025	-0.036	-10	258
112	106.50	209	0.662	-0.075	0.023	-0.033	-9	259
111	105.50	210	0.649	-0.070	0.021	-0.031	-9	260
110	104.75	105	0.640	-0.067	0.020	-0.029	-4	130
109	104.25	139	0.634	-0.065	0.019	-0.028	-5	172
108	103.50	278	0.625	-0.062	0.018	-0.026	-10	344
107	102.50	279	0.613	-0.058	0.016	-0.024	-9	345
106	101.50	279	0.601	-0.053	0.015	-0.021	-8	346
105	100.50	280	0.589	-0.049	0.013	-0.018	-7	347
104	99.50	281	0.578	-0.045	0.012	-0.016	-6	348
103	98.50	282	0.566	-0.040	0.011	-0.013	-5	349
102	97.50	282	0.555	-0.036	0.010	-0.010	-4	350
101	96.50	283	0.543	-0.032	0.009	-0.007	-3	350
100	95.50	285	0.532	-0.028	0.009	-0.004	-1	352
99	94.50	285	0.521	-0.024	0.008	-0.001	0	353
98	93.50	286	0.510	-0.020	0.007	0.002	1	354
97	92.73	156	0.502	-0.017	0.007	0.004	1	193
96	92.23	192	0.496	-0.015	0.007	0.006	1	238
95	91.50	422	0.488	-0.012	0.007	0.008	4	522
94	90.50	423	0.478	-0.008	0.006	0.011	6	524
93	89.50	425	0.467	-0.004	0.006	0.014	7	526
92	88.50	426	0.457	-0.001	0.006	0.016	9	528
91	87.77	197	0.449	0.002	0.006	0.018	5	244
90	87.27	168	0.444	0.004	0.006	0.019	4	208

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

89	86.50	312	0.436	0.006	0.006	0.021	9	386
88	85.50	313	0.426	0.010	0.006	0.024	10	387
87	84.50	314	0.417	0.013	0.006	0.026	11	389
86	83.50	315	0.407	0.016	0.006	0.028	12	390
85	82.50	316	0.397	0.019	0.007	0.031	13	391
84	81.50	317	0.387	0.022	0.007	0.033	13	392
83	80.50	317	0.378	0.025	0.007	0.035	14	393
82	79.50	319	0.369	0.028	0.008	0.036	15	395
81	78.50	320	0.359	0.030	0.008	0.038	16	396
80	77.50	321	0.350	0.033	0.009	0.040	17	397
79	76.50	322	0.341	0.035	0.009	0.041	17	398
78	75.50	323	0.333	0.037	0.010	0.042	18	399
77	74.50	323	0.324	0.040	0.010	0.044	18	400
76	73.50	324	0.315	0.042	0.011	0.045	19	401
75	72.50	325	0.307	0.044	0.012	0.046	19	403
74	71.50	326	0.298	0.046	0.012	0.047	20	404
73	70.50	327	0.290	0.048	0.013	0.048	20	405
72	69.50	328	0.282	0.049	0.014	0.048	21	406
71	68.50	329	0.274	0.051	0.015	0.049	21	407
70	67.50	330	0.266	0.052	0.015	0.050	21	408
69	66.50	331	0.258	0.054	0.016	0.050	22	409
68	65.50	331	0.250	0.055	0.017	0.051	22	410
67	64.50	332	0.243	0.057	0.018	0.051	22	411
66	63.50	333	0.235	0.058	0.019	0.051	22	412
65	62.50	334	0.228	0.059	0.020	0.052	22	414
64	61.50	335	0.221	0.060	0.021	0.052	23	415
63	60.50	336	0.214	0.061	0.021	0.052	23	416
62	59.50	337	0.207	0.062	0.022	0.052	23	417
61	58.50	338	0.200	0.063	0.023	0.052	23	418
60	57.50	339	0.193	0.064	0.024	0.052	23	419
59	56.50	339	0.186	0.064	0.025	0.052	23	420
58	55.50	340	0.180	0.065	0.026	0.052	23	421
57	54.50	341	0.173	0.066	0.027	0.052	23	422
56	53.50	342	0.167	0.066	0.028	0.052	23	423
55	52.50	343	0.161	0.067	0.029	0.052	23	425
54	51.50	344	0.155	0.068	0.029	0.052	23	426
53	50.50	345	0.149	0.068	0.030	0.052	23	427
52	49.52	332	0.143	0.068	0.031	0.052	22	411
51	49.02	22	0.140	0.069	0.032	0.051	1	27
50	48.50	543	0.137	0.069	0.032	0.051	36	673
49	47.50	545	0.132	0.069	0.033	0.051	36	675
48	46.50	547	0.126	0.070	0.034	0.051	36	677
47	45.50	549	0.121	0.070	0.034	0.051	36	680
46	44.50	551	0.116	0.070	0.035	0.051	36	682
45	43.50	553	0.110	0.070	0.036	0.050	36	685
44	42.98	24	0.108	0.071	0.036	0.050	2	30
43	42.48	361	0.105	0.071	0.036	0.050	24	447
42	41.50	379	0.100	0.071	0.037	0.050	25	469
41	40.50	380	0.096	0.071	0.038	0.050	25	470
40	39.50	381	0.091	0.071	0.038	0.050	25	471
39	38.50	382	0.086	0.071	0.039	0.049	25	473
38	37.50	383	0.082	0.072	0.039	0.049	24	474
37	36.50	384	0.078	0.072	0.040	0.049	24	475
36	35.50	385	0.074	0.072	0.040	0.049	24	476
35	34.50	386	0.069	0.072	0.041	0.049	24	478
34	33.50	387	0.065	0.072	0.041	0.048	24	479
33	32.50	388	0.062	0.072	0.041	0.048	24	480
32	31.50	389	0.058	0.072	0.041	0.048	24	481
31	30.50	390	0.054	0.071	0.042	0.048	24	483
30	29.50	391	0.051	0.071	0.042	0.047	24	484
29	28.50	392	0.047	0.071	0.042	0.047	24	486
28	27.50	393	0.044	0.071	0.042	0.047	24	487
27	26.50	395	0.041	0.070	0.042	0.047	24	488
26	25.50	396	0.038	0.070	0.041	0.046	24	490

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

25	24.50	397	0.035	0.069	0.041	0.046	24	491
24	23.50	398	0.032	0.069	0.041	0.046	24	492
23	22.50	399	0.030	0.068	0.040	0.045	23	493
22	21.50	400	0.027	0.067	0.040	0.045	23	495
21	20.50	401	0.025	0.066	0.039	0.044	23	496
20	19.50	402	0.022	0.065	0.039	0.044	23	497
19	18.50	403	0.020	0.064	0.038	0.043	22	499
18	17.50	404	0.018	0.063	0.037	0.042	22	500
17	16.50	405	0.016	0.061	0.036	0.041	22	501
16	15.50	406	0.014	0.060	0.035	0.041	21	502
15	14.50	407	0.012	0.058	0.034	0.040	21	504
14	13.50	408	0.011	0.056	0.032	0.039	20	505
13	12.50	409	0.009	0.054	0.031	0.037	20	506
12	11.50	410	0.008	0.051	0.029	0.036	19	508
11	10.50	411	0.006	0.048	0.028	0.034	18	509
10	9.50	412	0.005	0.045	0.026	0.033	18	510
9	8.50	413	0.004	0.042	0.024	0.031	17	511
8	7.50	414	0.003	0.039	0.022	0.029	15	513
7	6.50	415	0.002	0.035	0.019	0.026	14	514
6	5.50	416	0.002	0.030	0.017	0.023	13	515
5	4.50	417	0.001	0.026	0.014	0.020	11	517
4	3.50	418	0.001	0.021	0.011	0.017	9	518
3	2.50	419	0.000	0.015	0.008	0.013	7	519
2	1.50	420	0.000	0.010	0.005	0.008	4	520
1	0.50	421	0.000	0.003	0.002	0.003	2	522
Andrew ABT-DMDF-	184.00	1	1.975	2.459	1.308	0.413	1	1
4' Omni	184.00	10	1.975	2.459	1.308	0.413	5	12
Powerwave Allgon LGP	184.00	85	1.975	2.459	1.308	0.413	45	105
Ericsson RRUS 11 (Ba	184.00	150	1.975	2.459	1.308	0.413	81	186
Ericsson RRUS-12 B2	184.00	174	1.975	2.459	1.308	0.413	93	215
Powerwave Allgon 777	184.00	210	1.975	2.459	1.308	0.413	113	260
KMW AM-X-CD-16-65-00	184.00	146	1.975	2.459	1.308	0.413	78	180
Flat Low Profile Pla	184.00	1,500	1.975	2.459	1.308	0.413	806	1,857
Ericsson KRY 112 144	163.00	33	1.550	0.631	0.604	0.164	7	41
Ericsson AIR 21, 1.3	163.00	249	1.550	0.631	0.604	0.164	53	308
Ericsson AIR 21, 1.3	163.00	244	1.550	0.631	0.604	0.164	52	303
Round T-Arm	163.00	750	1.550	0.631	0.604	0.164	160	928
Sinclair SD210-SF2P4	152.00	8	1.348	0.192	0.380	0.073	1	10
Round Side Arm	152.00	150	1.348	0.192	0.380	0.073	14	186
Bird 432-83H-01-T	146.00	25	1.243	0.050	0.288	0.034	1	31
Sinclair SC479-HF1LD	146.00	34	1.243	0.050	0.288	0.034	2	42
Round Side Arm	146.00	450	1.243	0.050	0.288	0.034	20	557
Decibel DB809DK-XT	146.00	128	1.243	0.050	0.288	0.034	6	158
Sinclair SC442D-HF1L	146.00	79	1.243	0.050	0.288	0.034	3	98
Telewave ANT150D (5	140.00	5	1.143	-0.042	0.215	0.003	0	6
Bird 432-83H-01-T	140.00	50	1.143	-0.042	0.215	0.003	0	62
Round Side Arm	140.00	450	1.143	-0.042	0.215	0.003	2	557
Alcatel-Lucent 800 M	137.00	185	1.095	-0.073	0.184	-0.010	-2	229
Alcatel-Lucent 1900M	137.00	132	1.095	-0.073	0.184	-0.010	-2	163
Alcatel-Lucent TD-RR	137.00	210	1.095	-0.073	0.184	-0.010	-3	260
RFS APXVTM14-C-I20	137.00	317	1.095	-0.073	0.184	-0.010	-4	393
RFS APXVSPP18-C-A20	137.00	171	1.095	-0.073	0.184	-0.010	-2	212
Flat Platform w/ Han	137.00	2,000	1.095	-0.073	0.184	-0.010	-26	2,476
RFS FD9R6004/2C-3L	122.00	19	0.868	-0.121	0.076	-0.045	-1	23
A Antel BXA-171085-1	122.00	30	0.868	-0.121	0.076	-0.045	-2	37
A Antel BXA-171063-1	122.00	15	0.868	-0.121	0.076	-0.045	-1	19
Amp Antel BXA-70063-	122.00	34	0.868	-0.121	0.076	-0.045	-2	42
Antel LPA-80080/6CF	122.00	84	0.868	-0.121	0.076	-0.045	-5	104
Antel LPA-80063/6CF	122.00	54	0.868	-0.121	0.076	-0.045	-3	67
Amphenol Antel BXA-7	122.00	38	0.868	-0.121	0.076	-0.045	-2	46
Round Low Profile PI	122.00	1,500	0.868	-0.121	0.076	-0.045	-88	1,857
Decibel DB844H90E-XY	113.00	168	0.745	-0.100	0.039	-0.044	-10	208
Round Low Profile PI	113.00	1,500	0.745	-0.100	0.039	-0.044	-86	1,857
RFS APXV18-206517S-C	111.00	79	0.719	-0.092	0.034	-0.041	-4	98

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

Andrew DB586	96.00	8	0.538	-0.030	0.009	-0.005	0	10
Andrew DB586	96.00	8	0.538	-0.030	0.009	-0.005	0	10
Bird 429-83H-01-T	96.00	20	0.538	-0.030	0.009	-0.005	0	25
Flat Side Arm	96.00	450	0.538	-0.030	0.009	-0.005	-3	557
RFS PA6-65AC	80.00	278	0.373	0.026	0.007	0.035	13	344
PCTEL GPS-TMG-HR-	79.00	1	0.364	0.029	0.008	0.037	0	1
GPS	30.00	10	0.053	0.071	0.042	0.048	1	12
		58,843	170.330	47.284	46.944	12.344	3,325	72,834

Load Case (0.9 - 0.2Sds) * DL + E EMAM Seismic (Reduced DL) Equivalent Modal Analysis Method

Segment	Height Above Base (ft)	Weight (lb)	a	b	c	Saz	Horizontal Force (lb)	Vertical Force (lb)
187	179.50	49	1.880	1.925	1.120	0.351	22	42
186	178.50	50	1.859	1.819	1.081	0.338	22	43
185	177.50	50	1.838	1.716	1.044	0.325	21	43
184	176.50	51	1.817	1.618	1.007	0.313	21	44
183	175.50	51	1.797	1.523	0.972	0.300	20	44
182	174.50	51	1.776	1.433	0.937	0.288	19	44
181	173.50	52	1.756	1.346	0.903	0.276	19	45
180	172.50	52	1.736	1.263	0.871	0.264	18	45
179	171.50	53	1.716	1.183	0.839	0.253	17	46
178	170.50	53	1.696	1.106	0.808	0.241	17	46
177	169.50	54	1.676	1.033	0.778	0.230	16	46
176	168.50	54	1.656	0.963	0.749	0.220	15	47
175	167.50	55	1.637	0.896	0.721	0.209	15	47
174	166.50	55	1.617	0.832	0.694	0.199	14	47
173	165.50	55	1.598	0.772	0.667	0.188	14	48
172	164.50	56	1.579	0.713	0.641	0.178	13	48
171	163.50	56	1.559	0.658	0.616	0.169	12	49
170	162.50	68	1.540	0.605	0.592	0.159	14	58
169	161.50	68	1.521	0.555	0.569	0.150	13	59
168	160.50	69	1.503	0.508	0.546	0.141	13	59
167	159.50	69	1.484	0.462	0.524	0.132	12	59
166	158.50	69	1.465	0.420	0.503	0.124	11	60
165	157.50	70	1.447	0.379	0.482	0.115	10	60
164	156.50	70	1.429	0.340	0.462	0.107	10	61
163	155.50	71	1.411	0.304	0.443	0.099	9	61
162	154.50	71	1.392	0.270	0.424	0.091	8	61
161	153.50	72	1.374	0.237	0.406	0.084	8	62
160	152.50	72	1.357	0.207	0.388	0.076	7	62
159	151.50	73	1.339	0.178	0.372	0.069	7	63
158	150.50	74	1.321	0.151	0.355	0.062	6	64
157	149.50	74	1.304	0.126	0.339	0.056	5	64
156	148.50	75	1.286	0.102	0.324	0.049	5	64
155	147.50	75	1.269	0.080	0.309	0.043	4	65
154	146.50	76	1.252	0.059	0.295	0.037	4	65
153	145.50	82	1.235	0.040	0.282	0.031	3	71
152	144.50	82	1.218	0.022	0.268	0.026	3	71
151	143.50	83	1.201	0.006	0.256	0.020	2	71
150	142.50	83	1.185	-0.009	0.243	0.015	2	72
149	141.50	84	1.168	-0.023	0.232	0.010	1	72
148	140.50	84	1.152	-0.036	0.220	0.005	1	73
147	139.50	85	1.135	-0.048	0.209	0.001	0	73
146	138.50	86	1.119	-0.059	0.199	-0.004	0	74
145	137.50	86	1.103	-0.068	0.189	-0.008	-1	74
144	136.50	90	1.087	-0.077	0.179	-0.012	-1	78
143	135.93	12	1.078	-0.082	0.174	-0.014	0	10
142	135.43	150	1.070	-0.085	0.169	-0.016	-3	129

Site Number: 302506

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

141	134.50	173	1.055	-0.092	0.161	-0.019	-4	149
140	133.50	174	1.040	-0.098	0.152	-0.022	-5	150
139	132.56	154	1.025	-0.103	0.144	-0.025	-5	133
138	132.06	15	1.017	-0.105	0.140	-0.027	-1	13
137	131.50	125	1.009	-0.108	0.136	-0.028	-5	108
136	130.50	126	0.993	-0.111	0.128	-0.031	-5	109
135	129.50	127	0.978	-0.115	0.121	-0.034	-6	109
134	128.50	127	0.963	-0.117	0.114	-0.036	-6	110
133	127.50	128	0.948	-0.119	0.107	-0.038	-6	110
132	126.50	129	0.933	-0.121	0.101	-0.040	-7	111
131	125.50	130	0.919	-0.121	0.095	-0.041	-7	112
130	124.50	130	0.904	-0.122	0.089	-0.043	-7	112
129	123.50	131	0.890	-0.122	0.083	-0.044	-7	113
128	122.50	132	0.875	-0.121	0.078	-0.045	-8	114
127	121.50	142	0.861	-0.120	0.073	-0.046	-8	123
126	120.50	143	0.847	-0.119	0.068	-0.046	-9	123
125	119.50	144	0.833	-0.117	0.064	-0.047	-9	124
124	118.50	145	0.819	-0.115	0.059	-0.047	-9	125
123	117.50	145	0.805	-0.113	0.055	-0.047	-9	125
122	116.50	146	0.792	-0.110	0.051	-0.046	-9	126
121	115.50	147	0.778	-0.108	0.048	-0.046	-9	127
120	114.50	148	0.765	-0.104	0.044	-0.045	-9	127
119	113.50	148	0.751	-0.101	0.041	-0.044	-9	128
118	112.50	178	0.738	-0.098	0.038	-0.043	-10	154
117	111.50	200	0.725	-0.094	0.035	-0.042	-11	173
116	110.50	206	0.712	-0.091	0.032	-0.041	-11	178
115	109.50	207	0.699	-0.087	0.030	-0.039	-11	178
114	108.50	207	0.687	-0.083	0.027	-0.037	-10	179
113	107.50	208	0.674	-0.079	0.025	-0.036	-10	180
112	106.50	209	0.662	-0.075	0.023	-0.033	-9	180
111	105.50	210	0.649	-0.070	0.021	-0.031	-9	181
110	104.75	105	0.640	-0.067	0.020	-0.029	-4	91
109	104.25	139	0.634	-0.065	0.019	-0.028	-5	120
108	103.50	278	0.625	-0.062	0.018	-0.026	-10	240
107	102.50	279	0.613	-0.058	0.016	-0.024	-9	240
106	101.50	279	0.601	-0.053	0.015	-0.021	-8	241
105	100.50	280	0.589	-0.049	0.013	-0.018	-7	242
104	99.50	281	0.578	-0.045	0.012	-0.016	-6	242
103	98.50	282	0.566	-0.040	0.011	-0.013	-5	243
102	97.50	282	0.555	-0.036	0.010	-0.010	-4	244
101	96.50	283	0.543	-0.032	0.009	-0.007	-3	244
100	95.50	285	0.532	-0.028	0.009	-0.004	-1	245
99	94.50	285	0.521	-0.024	0.008	-0.001	0	246
98	93.50	286	0.510	-0.020	0.007	0.002	1	247
97	92.73	156	0.502	-0.017	0.007	0.004	1	134
96	92.23	192	0.496	-0.015	0.007	0.006	1	165
95	91.50	422	0.488	-0.012	0.007	0.008	4	363
94	90.50	423	0.478	-0.008	0.006	0.011	6	365
93	89.50	425	0.467	-0.004	0.006	0.014	7	366
92	88.50	426	0.457	-0.001	0.006	0.016	9	368
91	87.77	197	0.449	0.002	0.006	0.018	5	170
90	87.27	168	0.444	0.004	0.006	0.019	4	145
89	86.50	312	0.436	0.006	0.006	0.021	9	269
88	85.50	313	0.426	0.010	0.006	0.024	10	270
87	84.50	314	0.417	0.013	0.006	0.026	11	271
86	83.50	315	0.407	0.016	0.006	0.028	12	271
85	82.50	316	0.397	0.019	0.007	0.031	13	272
84	81.50	317	0.387	0.022	0.007	0.033	13	273
83	80.50	317	0.378	0.025	0.007	0.035	14	274
82	79.50	319	0.369	0.028	0.008	0.036	15	275
81	78.50	320	0.359	0.030	0.008	0.038	16	276
80	77.50	321	0.350	0.033	0.009	0.040	17	277
79	76.50	322	0.341	0.035	0.009	0.041	17	277
78	75.50	323	0.333	0.037	0.010	0.042	18	278

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

77	74.50	323	0.324	0.040	0.010	0.044	18	279
76	73.50	324	0.315	0.042	0.011	0.045	19	280
75	72.50	325	0.307	0.044	0.012	0.046	19	280
74	71.50	326	0.298	0.046	0.012	0.047	20	281
73	70.50	327	0.290	0.048	0.013	0.048	20	282
72	69.50	328	0.282	0.049	0.014	0.048	21	283
71	68.50	329	0.274	0.051	0.015	0.049	21	283
70	67.50	330	0.266	0.052	0.015	0.050	21	284
69	66.50	331	0.258	0.054	0.016	0.050	22	285
68	65.50	331	0.250	0.055	0.017	0.051	22	286
67	64.50	332	0.243	0.057	0.018	0.051	22	287
66	63.50	333	0.235	0.058	0.019	0.051	22	287
65	62.50	334	0.228	0.059	0.020	0.052	22	288
64	61.50	335	0.221	0.060	0.021	0.052	23	289
63	60.50	336	0.214	0.061	0.021	0.052	23	290
62	59.50	337	0.207	0.062	0.022	0.052	23	290
61	58.50	338	0.200	0.063	0.023	0.052	23	291
60	57.50	339	0.193	0.064	0.024	0.052	23	292
59	56.50	339	0.186	0.064	0.025	0.052	23	293
58	55.50	340	0.180	0.065	0.026	0.052	23	293
57	54.50	341	0.173	0.066	0.027	0.052	23	294
56	53.50	342	0.167	0.066	0.028	0.052	23	295
55	52.50	343	0.161	0.067	0.029	0.052	23	296
54	51.50	344	0.155	0.068	0.029	0.052	23	297
53	50.50	345	0.149	0.068	0.030	0.052	23	297
52	49.52	332	0.143	0.068	0.031	0.052	22	286
51	49.02	22	0.140	0.069	0.032	0.051	1	19
50	48.50	543	0.137	0.069	0.032	0.051	36	469
49	47.50	545	0.132	0.069	0.033	0.051	36	470
48	46.50	547	0.126	0.070	0.034	0.051	36	472
47	45.50	549	0.121	0.070	0.034	0.051	36	474
46	44.50	551	0.116	0.070	0.035	0.051	36	475
45	43.50	553	0.110	0.070	0.036	0.050	36	477
44	42.98	24	0.108	0.071	0.036	0.050	2	21
43	42.48	361	0.105	0.071	0.036	0.050	24	311
42	41.50	379	0.100	0.071	0.037	0.050	25	326
41	40.50	380	0.096	0.071	0.038	0.050	25	327
40	39.50	381	0.091	0.071	0.038	0.050	25	328
39	38.50	382	0.086	0.071	0.039	0.049	25	329
38	37.50	383	0.082	0.072	0.039	0.049	24	330
37	36.50	384	0.078	0.072	0.040	0.049	24	331
36	35.50	385	0.074	0.072	0.040	0.049	24	332
35	34.50	386	0.069	0.072	0.041	0.049	24	333
34	33.50	387	0.065	0.072	0.041	0.048	24	334
33	32.50	388	0.062	0.072	0.041	0.048	24	335
32	31.50	389	0.058	0.072	0.041	0.048	24	335
31	30.50	390	0.054	0.071	0.042	0.048	24	336
30	29.50	391	0.051	0.071	0.042	0.047	24	337
29	28.50	392	0.047	0.071	0.042	0.047	24	338
28	27.50	393	0.044	0.071	0.042	0.047	24	339
27	26.50	395	0.041	0.070	0.042	0.047	24	340
26	25.50	396	0.038	0.070	0.041	0.046	24	341
25	24.50	397	0.035	0.069	0.041	0.046	24	342
24	23.50	398	0.032	0.069	0.041	0.046	24	343
23	22.50	399	0.030	0.068	0.040	0.045	23	344
22	21.50	400	0.027	0.067	0.040	0.045	23	345
21	20.50	401	0.025	0.066	0.039	0.044	23	346
20	19.50	402	0.022	0.065	0.039	0.044	23	346
19	18.50	403	0.020	0.064	0.038	0.043	22	347
18	17.50	404	0.018	0.063	0.037	0.042	22	348
17	16.50	405	0.016	0.061	0.036	0.041	22	349
16	15.50	406	0.014	0.060	0.035	0.041	21	350
15	14.50	407	0.012	0.058	0.034	0.040	21	351
14	13.50	408	0.011	0.056	0.032	0.039	20	352

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

13	12.50	409	0.009	0.054	0.031	0.037	20	353
12	11.50	410	0.008	0.051	0.029	0.036	19	354
11	10.50	411	0.006	0.048	0.028	0.034	18	354
10	9.50	412	0.005	0.045	0.026	0.033	18	355
9	8.50	413	0.004	0.042	0.024	0.031	17	356
8	7.50	414	0.003	0.039	0.022	0.029	15	357
7	6.50	415	0.002	0.035	0.019	0.026	14	358
6	5.50	416	0.002	0.030	0.017	0.023	13	359
5	4.50	417	0.001	0.026	0.014	0.020	11	360
4	3.50	418	0.001	0.021	0.011	0.017	9	361
3	2.50	419	0.000	0.015	0.008	0.013	7	362
2	1.50	420	0.000	0.010	0.005	0.008	4	363
1	0.50	421	0.000	0.003	0.002	0.003	2	363
Andrew ABT-DMDF-	184.00	1	1.975	2.459	1.308	0.413	1	1
4' Omni	184.00	10	1.975	2.459	1.308	0.413	5	9
Powerwave Allgon LGP	184.00	85	1.975	2.459	1.308	0.413	45	73
Ericsson RRUS 11 (Ba	184.00	150	1.975	2.459	1.308	0.413	81	129
Ericsson RRUS-12 B2	184.00	174	1.975	2.459	1.308	0.413	93	150
Powerwave Allgon 777	184.00	210	1.975	2.459	1.308	0.413	113	181
KMW AM-X-CD-16-65-00	184.00	146	1.975	2.459	1.308	0.413	78	125
Flat Low Profile Pla	184.00	1,500	1.975	2.459	1.308	0.413	806	1,293
Ericsson KRY 112 144	163.00	33	1.550	0.631	0.604	0.164	7	28
Ericsson AIR 21, 1.3	163.00	249	1.550	0.631	0.604	0.164	53	215
Ericsson AIR 21, 1.3	163.00	244	1.550	0.631	0.604	0.164	52	211
Round T-Arm	163.00	750	1.550	0.631	0.604	0.164	160	647
Sinclair SD210-SF2P4	152.00	8	1.348	0.192	0.380	0.073	1	7
Round Side Arm	152.00	150	1.348	0.192	0.380	0.073	14	129
Bird 432-83H-01-T	146.00	25	1.243	0.050	0.288	0.034	1	22
Sinclair SC479-HF1LD	146.00	34	1.243	0.050	0.288	0.034	2	29
Round Side Arm	146.00	450	1.243	0.050	0.288	0.034	20	388
Decibel DB809DK-XT	146.00	128	1.243	0.050	0.288	0.034	6	110
Sinclair SC442D-HF1L	146.00	79	1.243	0.050	0.288	0.034	3	68
Telewave ANT150D (5	140.00	5	1.143	-0.042	0.215	0.003	0	4
Bird 432-83H-01-T	140.00	50	1.143	-0.042	0.215	0.003	0	43
Round Side Arm	140.00	450	1.143	-0.042	0.215	0.003	2	388
Alcatel-Lucent 800 M	137.00	185	1.095	-0.073	0.184	-0.010	-2	160
Alcatel-Lucent 1900M	137.00	132	1.095	-0.073	0.184	-0.010	-2	114
Alcatel-Lucent TD-RR	137.00	210	1.095	-0.073	0.184	-0.010	-3	181
RFS APXVTM14-C-I20	137.00	317	1.095	-0.073	0.184	-0.010	-4	274
RFS APXVSPP18-C-A20	137.00	171	1.095	-0.073	0.184	-0.010	-2	147
Flat Platform w/ Han	137.00	2,000	1.095	-0.073	0.184	-0.010	-26	1,724
RFS FD9R6004/2C-3L	122.00	19	0.868	-0.121	0.076	-0.045	-1	16
A Antel BXA-171085-1	122.00	30	0.868	-0.121	0.076	-0.045	-2	26
A Antel BXA-171063-1	122.00	15	0.868	-0.121	0.076	-0.045	-1	13
Amp Antel BXA-70063-	122.00	34	0.868	-0.121	0.076	-0.045	-2	29
Antel LPA-80080/6CF	122.00	84	0.868	-0.121	0.076	-0.045	-5	72
Antel LPA-80063/6CF	122.00	54	0.868	-0.121	0.076	-0.045	-3	47
Amphenol Antel BXA-7	122.00	38	0.868	-0.121	0.076	-0.045	-2	32
Round Low Profile PI	122.00	1,500	0.868	-0.121	0.076	-0.045	-88	1,293
Decibel DB844H90E-XY	113.00	168	0.745	-0.100	0.039	-0.044	-10	145
Round Low Profile PI	113.00	1,500	0.745	-0.100	0.039	-0.044	-86	1,293
RFS APXV18-206517S-C	111.00	79	0.719	-0.092	0.034	-0.041	-4	68
Andrew DB586	96.00	8	0.538	-0.030	0.009	-0.005	0	7
Andrew DB586	96.00	8	0.538	-0.030	0.009	-0.005	0	7
Bird 429-83H-01-T	96.00	20	0.538	-0.030	0.009	-0.005	0	17
Flat Side Arm	96.00	450	0.538	-0.030	0.009	-0.005	-3	388
RFS PA6-65AC	80.00	278	0.373	0.026	0.007	0.035	13	240
PCTEL GPS-TMG-HR-	79.00	1	0.364	0.029	0.008	0.037	0	1
GPS	30.00	10	0.053	0.071	0.042	0.048	1	9
		58,843	170.330	47.284	46.944	12.344	3,325	50,737

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

Load Case (1.2 + 0.2Sds) * DL + E EMAM Seismic Equivalent Modal Analysis Method

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-69.50	-2.10	0.00	-151.33	0.00	151.33	5,102.86	2,551.43	10,963.2	5,489.79	0.00	0.00	0.031
1.00	-68.98	-2.10	0.00	-149.23	0.00	149.23	5,088.23	2,544.11	10,885.6	5,450.89	0.00	0.00	0.031
2.00	-68.46	-2.09	0.00	-147.14	0.00	147.14	5,073.54	2,536.77	10,808.0	5,412.06	0.00	0.00	0.031
3.00	-67.94	-2.08	0.00	-145.05	0.00	145.05	5,058.79	2,529.39	10,730.6	5,373.31	0.00	0.00	0.030
4.00	-67.42	-2.07	0.00	-142.97	0.00	142.97	5,043.98	2,521.99	10,653.4	5,334.64	0.00	-0.01	0.030
5.00	-66.91	-2.06	0.00	-140.89	0.00	140.89	5,029.12	2,514.56	10,576.3	5,296.03	0.00	-0.01	0.030
6.00	-66.39	-2.05	0.00	-138.83	0.00	138.83	5,014.20	2,507.10	10,499.4	5,257.51	0.00	-0.01	0.030
7.00	-65.88	-2.03	0.00	-136.78	0.00	136.78	4,999.22	2,499.61	10,422.6	5,219.05	0.01	-0.01	0.030
8.00	-65.37	-2.02	0.00	-134.75	0.00	134.75	4,984.19	2,492.10	10,345.9	5,180.68	0.01	-0.01	0.029
9.00	-64.86	-2.00	0.00	-132.73	0.00	132.73	4,969.10	2,484.55	10,269.5	5,142.38	0.01	-0.01	0.029
10.00	-64.35	-1.99	0.00	-130.73	0.00	130.73	4,953.95	2,476.98	10,193.1	5,104.17	0.01	-0.01	0.029
11.00	-63.84	-1.97	0.00	-128.74	0.00	128.74	4,938.75	2,469.37	10,117.0	5,066.03	0.02	-0.01	0.029
12.00	-63.34	-1.95	0.00	-126.77	0.00	126.77	4,923.49	2,461.74	10,041.0	5,027.97	0.02	-0.01	0.028
13.00	-62.83	-1.93	0.00	-124.82	0.00	124.82	4,908.17	2,454.08	9,965.17	4,989.99	0.02	-0.02	0.028
14.00	-62.33	-1.91	0.00	-122.89	0.00	122.89	4,892.79	2,446.40	9,889.49	4,952.10	0.03	-0.02	0.028
15.00	-61.82	-1.89	0.00	-120.98	0.00	120.98	4,877.36	2,438.68	9,813.98	4,914.28	0.03	-0.02	0.028
16.00	-61.32	-1.87	0.00	-119.09	0.00	119.09	4,861.87	2,430.94	9,738.63	4,876.55	0.03	-0.02	0.027
17.00	-60.82	-1.85	0.00	-117.22	0.00	117.22	4,846.32	2,423.16	9,663.45	4,838.91	0.04	-0.02	0.027
18.00	-60.32	-1.83	0.00	-115.37	0.00	115.37	4,830.72	2,415.36	9,588.44	4,801.34	0.04	-0.02	0.027
19.00	-59.83	-1.81	0.00	-113.55	0.00	113.55	4,815.06	2,407.53	9,513.60	4,763.87	0.05	-0.02	0.027
20.00	-59.33	-1.78	0.00	-111.74	0.00	111.74	4,799.34	2,399.67	9,438.93	4,726.48	0.05	-0.02	0.027
21.00	-58.84	-1.76	0.00	-109.96	0.00	109.96	4,783.57	2,391.78	9,364.44	4,689.18	0.06	-0.03	0.026
22.00	-58.34	-1.74	0.00	-108.20	0.00	108.20	4,767.74	2,383.87	9,290.12	4,651.96	0.06	-0.03	0.026
23.00	-57.85	-1.72	0.00	-106.46	0.00	106.46	4,751.85	2,375.92	9,215.98	4,614.84	0.07	-0.03	0.026
24.00	-57.36	-1.69	0.00	-104.74	0.00	104.74	4,735.90	2,367.95	9,142.01	4,577.80	0.07	-0.03	0.026
25.00	-56.87	-1.67	0.00	-103.05	0.00	103.05	4,719.90	2,359.95	9,068.23	4,540.86	0.08	-0.03	0.025
26.00	-56.38	-1.65	0.00	-101.38	0.00	101.38	4,703.84	2,351.92	8,994.63	4,504.00	0.09	-0.03	0.025
27.00	-55.89	-1.62	0.00	-99.73	0.00	99.73	4,687.72	2,343.86	8,921.22	4,467.24	0.09	-0.03	0.025
28.00	-55.41	-1.60	0.00	-98.11	0.00	98.11	4,671.55	2,335.77	8,847.98	4,430.57	0.10	-0.03	0.025
29.00	-54.92	-1.58	0.00	-96.51	0.00	96.51	4,655.31	2,327.66	8,774.94	4,393.99	0.11	-0.03	0.025
30.00	-54.43	-1.55	0.00	-94.93	0.00	94.93	4,639.03	2,319.51	8,702.08	4,357.51	0.12	-0.04	0.024
31.00	-53.95	-1.53	0.00	-93.38	0.00	93.38	4,622.68	2,311.34	8,629.41	4,321.12	0.12	-0.04	0.024
32.00	-53.47	-1.51	0.00	-91.85	0.00	91.85	4,606.28	2,303.14	8,556.93	4,284.83	0.13	-0.04	0.024
33.00	-52.99	-1.48	0.00	-90.34	0.00	90.34	4,589.82	2,294.91	8,484.65	4,248.63	0.14	-0.04	0.024
34.00	-52.51	-1.46	0.00	-88.86	0.00	88.86	4,573.30	2,286.65	8,412.56	4,212.53	0.15	-0.04	0.024
35.00	-52.03	-1.44	0.00	-87.40	0.00	87.40	4,556.73	2,278.36	8,340.67	4,176.53	0.16	-0.04	0.023
36.00	-51.56	-1.41	0.00	-85.96	0.00	85.96	4,540.10	2,270.05	8,268.97	4,140.63	0.17	-0.04	0.023
37.00	-51.09	-1.39	0.00	-84.55	0.00	84.55	4,523.41	2,261.70	8,197.47	4,104.83	0.17	-0.04	0.023
38.00	-50.61	-1.36	0.00	-83.16	0.00	83.16	4,506.66	2,253.33	8,126.17	4,069.13	0.18	-0.04	0.023
39.00	-50.14	-1.34	0.00	-81.80	0.00	81.80	4,489.86	2,244.93	8,055.08	4,033.53	0.19	-0.05	0.023
40.00	-49.67	-1.32	0.00	-80.46	0.00	80.46	4,473.00	2,236.50	7,984.18	3,998.03	0.20	-0.05	0.022
41.00	-49.20	-1.29	0.00	-79.14	0.00	79.14	4,456.09	2,228.04	7,913.50	3,962.63	0.21	-0.05	0.022
42.00	-48.76	-1.27	0.00	-77.85	0.00	77.85	4,439.11	2,219.56	7,843.02	3,927.34	0.22	-0.05	0.022
42.96	-48.73	-1.27	0.00	-76.64	0.00	76.64	4,422.82	2,211.41	7,775.79	3,893.68	0.23	-0.05	0.022
43.00	-48.04	-1.23	0.00	-76.58	0.00	76.58	4,422.08	2,211.04	7,772.74	3,892.15	0.23	-0.05	0.022
44.00	-47.36	-1.20	0.00	-75.35	0.00	75.35	4,400.67	2,200.33	7,695.11	3,853.28	0.24	-0.05	0.021
45.00	-46.68	-1.16	0.00	-74.16	0.00	74.16	4,378.03	2,189.01	7,615.75	3,813.53	0.25	-0.05	0.021
46.00	-46.00	-1.12	0.00	-73.00	0.00	73.00	4,355.39	2,177.70	7,536.79	3,773.99	0.27	-0.05	0.021
47.00	-45.33	-1.09	0.00	-71.88	0.00	71.88	4,332.75	2,166.38	7,458.24	3,734.66	0.28	-0.05	0.021
48.00	-44.65	-1.05	0.00	-70.79	0.00	70.79	4,310.11	2,155.06	7,380.10	3,695.54	0.29	-0.06	0.021
49.00	-44.63	-1.05	0.00	-69.74	0.00	69.74	4,287.47	2,143.74	7,302.38	3,656.62	0.30	-0.06	0.021
49.04	-44.22	-1.03	0.00	-69.70	0.00	69.70	3,604.17	1,802.08	6,267.69	3,138.50	0.30	-0.06	0.023
50.00	-43.79	-1.00	0.00	-68.71	0.00	68.71	3,591.50	1,795.75	6,214.33	3,111.78	0.31	-0.06	0.023
51.00	-43.36	-0.98	0.00	-67.71	0.00	67.71	3,578.26	1,789.13	6,158.90	3,084.03	0.32	-0.06	0.023
52.00	-42.94	-0.96	0.00	-66.72	0.00	66.72	3,564.96	1,782.48	6,103.60	3,056.34	0.34	-0.06	0.023
53.00	-42.52	-0.94	0.00	-65.77	0.00	65.77	3,551.60	1,775.80	6,048.46	3,028.72	0.35	-0.06	0.023

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

54.00	-42.09	-0.91	0.00	-64.83	0.00	64.83	3,538.18	1,769.09	5,993.45	3,001.18	0.36	-0.06	0.022
55.00	-41.67	-0.89	0.00	-63.92	0.00	63.92	3,524.70	1,762.35	5,938.60	2,973.71	0.38	-0.06	0.022
56.00	-41.25	-0.87	0.00	-63.03	0.00	63.03	3,511.17	1,755.59	5,883.90	2,946.32	0.39	-0.06	0.022
57.00	-40.83	-0.85	0.00	-62.16	0.00	62.16	3,497.59	1,748.79	5,829.34	2,919.00	0.40	-0.07	0.022
58.00	-40.42	-0.82	0.00	-61.31	0.00	61.31	3,483.94	1,741.97	5,774.94	2,891.76	0.42	-0.07	0.022
59.00	-40.00	-0.80	0.00	-60.49	0.00	60.49	3,470.24	1,735.12	5,720.69	2,864.60	0.43	-0.07	0.022
60.00	-39.58	-0.78	0.00	-59.69	0.00	59.69	3,456.48	1,728.24	5,666.60	2,837.51	0.45	-0.07	0.021
61.00	-39.17	-0.76	0.00	-58.91	0.00	58.91	3,442.66	1,721.33	5,612.67	2,810.51	0.46	-0.07	0.021
62.00	-38.76	-0.73	0.00	-58.16	0.00	58.16	3,428.79	1,714.39	5,558.89	2,783.58	0.47	-0.07	0.021
63.00	-38.34	-0.71	0.00	-57.42	0.00	57.42	3,414.86	1,707.43	5,505.28	2,756.73	0.49	-0.07	0.021
64.00	-37.93	-0.69	0.00	-56.71	0.00	56.71	3,400.87	1,700.44	5,451.82	2,729.96	0.50	-0.07	0.021
65.00	-37.52	-0.67	0.00	-56.02	0.00	56.02	3,386.83	1,693.41	5,398.53	2,703.28	0.52	-0.07	0.021
66.00	-37.11	-0.65	0.00	-55.36	0.00	55.36	3,372.72	1,686.36	5,345.41	2,676.68	0.54	-0.08	0.021
67.00	-36.70	-0.63	0.00	-54.71	0.00	54.71	3,358.57	1,679.28	5,292.45	2,650.16	0.55	-0.08	0.021
68.00	-36.30	-0.60	0.00	-54.09	0.00	54.09	3,344.35	1,672.18	5,239.65	2,623.72	0.57	-0.08	0.020
69.00	-35.89	-0.58	0.00	-53.48	0.00	53.48	3,330.08	1,665.04	5,187.03	2,597.37	0.58	-0.08	0.020
70.00	-35.49	-0.56	0.00	-52.90	0.00	52.90	3,315.75	1,657.87	5,134.58	2,571.11	0.60	-0.08	0.020
71.00	-35.08	-0.54	0.00	-52.33	0.00	52.33	3,301.36	1,650.68	5,082.30	2,544.93	0.62	-0.08	0.020
72.00	-34.68	-0.52	0.00	-51.79	0.00	51.79	3,286.92	1,643.46	5,030.20	2,518.84	0.64	-0.08	0.020
73.00	-34.28	-0.51	0.00	-51.27	0.00	51.27	3,272.42	1,636.21	4,978.27	2,492.84	0.65	-0.08	0.020
74.00	-33.88	-0.49	0.00	-50.76	0.00	50.76	3,257.86	1,628.93	4,926.52	2,466.92	0.67	-0.08	0.020
75.00	-33.48	-0.47	0.00	-50.27	0.00	50.27	3,242.30	1,621.15	4,873.54	2,440.39	0.69	-0.09	0.020
76.00	-33.08	-0.45	0.00	-49.80	0.00	49.80	3,222.90	1,611.45	4,815.08	2,411.12	0.71	-0.09	0.020
77.00	-32.68	-0.44	0.00	-49.35	0.00	49.35	3,203.49	1,601.75	4,756.98	2,382.03	0.72	-0.09	0.020
78.00	-32.29	-0.42	0.00	-48.91	0.00	48.91	3,184.09	1,592.04	4,699.23	2,353.11	0.74	-0.09	0.019
79.00	-31.89	-0.41	0.00	-48.49	0.00	48.49	3,164.68	1,582.34	4,641.84	2,324.37	0.76	-0.09	0.019
80.00	-31.16	-0.38	0.00	-48.09	0.00	48.09	3,145.28	1,572.64	4,584.79	2,295.80	0.78	-0.09	0.019
81.00	-30.76	-0.36	0.00	-47.71	0.00	47.71	3,125.87	1,562.94	4,528.10	2,267.42	0.80	-0.09	0.019
82.00	-30.37	-0.35	0.00	-47.34	0.00	47.34	3,106.47	1,553.24	4,471.77	2,239.21	0.82	-0.09	0.019
83.00	-29.98	-0.34	0.00	-46.99	0.00	46.99	3,087.07	1,543.53	4,415.78	2,211.17	0.84	-0.10	0.019
84.00	-29.60	-0.33	0.00	-46.65	0.00	46.65	3,067.66	1,533.83	4,360.15	2,183.32	0.86	-0.10	0.019
85.00	-29.21	-0.32	0.00	-46.32	0.00	46.32	3,048.26	1,524.13	4,304.87	2,155.63	0.88	-0.10	0.019
86.00	-28.82	-0.31	0.00	-46.00	0.00	46.00	3,028.85	1,514.43	4,249.94	2,128.13	0.90	-0.10	0.019
87.00	-28.61	-0.31	0.00	-45.69	0.00	45.69	3,009.45	1,504.72	4,195.37	2,100.80	0.92	-0.10	0.019
87.54	-28.37	-0.30	0.00	-45.53	0.00	45.53	2,998.97	1,499.48	4,166.05	2,086.12	0.93	-0.10	0.019
88.00	-27.84	-0.29	0.00	-45.39	0.00	45.39	2,990.04	1,495.02	4,141.15	2,073.65	0.94	-0.10	0.019
89.00	-27.32	-0.29	0.00	-45.09	0.00	45.09	2,970.64	1,485.32	4,087.28	2,046.68	0.96	-0.10	0.019
90.00	-26.79	-0.28	0.00	-44.81	0.00	44.81	2,951.23	1,475.62	4,033.76	2,019.88	0.99	-0.10	0.019
91.00	-26.27	-0.27	0.00	-44.53	0.00	44.53	2,931.83	1,465.91	3,980.60	1,993.26	1.01	-0.11	0.019
92.00	-26.03	-0.27	0.00	-44.26	0.00	44.26	2,912.42	1,456.21	3,927.79	1,966.81	1.03	-0.11	0.019
92.46	-25.84	-0.27	0.00	-44.13	0.00	44.13	2,412.07	1,206.04	3,317.78	1,661.36	1.04	-0.11	0.021
93.00	-25.49	-0.27	0.00	-43.98	0.00	43.98	2,405.85	1,202.93	3,297.34	1,651.12	1.05	-0.11	0.021
94.00	-25.13	-0.27	0.00	-43.71	0.00	43.71	2,394.36	1,197.18	3,259.83	1,632.34	1.08	-0.11	0.021
95.00	-24.78	-0.27	0.00	-43.44	0.00	43.44	2,382.81	1,191.41	3,222.46	1,613.62	1.10	-0.11	0.021
96.00	-23.83	-0.28	0.00	-43.17	0.00	43.17	2,371.21	1,185.60	3,185.22	1,594.98	1.12	-0.11	0.021
97.00	-23.48	-0.28	0.00	-42.89	0.00	42.89	2,359.55	1,179.77	3,148.11	1,576.40	1.15	-0.11	0.020
98.00	-23.13	-0.29	0.00	-42.61	0.00	42.61	2,347.83	1,173.91	3,111.14	1,557.88	1.17	-0.12	0.020
99.00	-22.78	-0.29	0.00	-42.33	0.00	42.33	2,336.05	1,168.03	3,074.31	1,539.44	1.19	-0.12	0.020
100.00	-22.44	-0.30	0.00	-42.03	0.00	42.03	2,324.22	1,162.11	3,037.61	1,521.06	1.22	-0.12	0.020
101.00	-22.09	-0.31	0.00	-41.74	0.00	41.74	2,312.33	1,156.16	3,001.06	1,502.76	1.24	-0.12	0.020
102.00	-21.74	-0.31	0.00	-41.43	0.00	41.43	2,300.38	1,150.19	2,964.65	1,484.53	1.27	-0.12	0.020
103.00	-21.40	-0.32	0.00	-41.12	0.00	41.12	2,288.38	1,144.19	2,928.39	1,466.37	1.29	-0.12	0.020
104.00	-21.23	-0.33	0.00	-40.80	0.00	40.80	2,276.31	1,138.16	2,892.27	1,448.28	1.32	-0.12	0.020
104.50	-21.10	-0.33	0.00	-40.63	0.00	40.63	2,270.26	1,135.13	2,874.26	1,439.27	1.33	-0.13	0.020
104.50	-21.10	-0.33	0.00	-40.63	0.00	40.63	2,270.26	1,135.13	2,874.26	1,439.27	1.33	-0.13	0.038
105.00	-20.84	-0.34	0.00	-40.47	0.00	40.47	2,264.20	1,132.10	2,856.29	1,430.27	1.35	-0.13	0.037
106.00	-20.58	-0.35	0.00	-40.12	0.00	40.12	2,251.29	1,125.65	2,819.56	1,411.88	1.37	-0.13	0.038
107.00	-20.32	-0.36	0.00	-39.77	0.00	39.77	2,235.12	1,117.56	2,779.00	1,391.56	1.40	-0.13	0.038
108.00	-20.07	-0.37	0.00	-39.41	0.00	39.41	2,218.95	1,109.48	2,738.73	1,371.40	1.43	-0.14	0.038
109.00	-19.81	-0.38	0.00	-39.04	0.00	39.04	2,202.78	1,101.39	2,698.75	1,351.38	1.46	-0.14	0.038
110.00	-19.55	-0.39	0.00	-38.66	0.00	38.66	2,186.61	1,093.30	2,659.07	1,331.51	1.49	-0.14	0.038
111.00	-19.21	-0.41	0.00	-38.27	0.00	38.27	2,170.44	1,085.22	2,619.69	1,311.79	1.52	-0.15	0.038
112.00	-18.99	-0.42	0.00	-37.86	0.00	37.86	2,154.27	1,077.13	2,580.59	1,292.21	1.55	-0.15	0.038
113.00	-16.74	-0.52	0.00	-37.44	0.00	37.44	2,138.10	1,069.05	2,541.79	1,272.79	1.58	-0.15	0.037

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:18 PM

Customer: AT&T Mobility

114.00	-16.56	-0.53	0.00	-36.92	0.00	36.92	2,121.93	1,060.96	2,503.29	1,253.50	1.61	-0.16	0.037
115.00	-16.37	-0.54	0.00	-36.39	0.00	36.39	2,105.76	1,052.88	2,465.08	1,234.37	1.65	-0.16	0.037
116.00	-16.19	-0.55	0.00	-35.85	0.00	35.85	2,089.59	1,044.79	2,427.16	1,215.38	1.68	-0.16	0.037
117.00	-16.01	-0.56	0.00	-35.30	0.00	35.30	2,073.42	1,036.71	2,389.54	1,196.54	1.71	-0.17	0.037
118.00	-15.83	-0.57	0.00	-34.75	0.00	34.75	2,057.25	1,028.62	2,352.21	1,177.85	1.75	-0.17	0.037
119.00	-15.66	-0.57	0.00	-34.18	0.00	34.18	2,041.07	1,020.54	2,315.17	1,159.31	1.79	-0.17	0.037
120.00	-15.48	-0.58	0.00	-33.61	0.00	33.61	2,024.90	1,012.45	2,278.43	1,140.91	1.82	-0.18	0.037
121.00	-15.30	-0.59	0.00	-33.02	0.00	33.02	2,008.73	1,004.37	2,241.98	1,122.66	1.86	-0.18	0.037
122.00	-12.95	-0.70	0.00	-32.43	0.00	32.43	1,992.56	996.28	2,205.83	1,104.55	1.90	-0.18	0.036
123.00	-12.78	-0.71	0.00	-31.73	0.00	31.73	1,976.39	988.20	2,169.97	1,086.60	1.94	-0.19	0.036
124.00	-12.62	-0.71	0.00	-31.03	0.00	31.03	1,960.22	980.11	2,134.40	1,068.79	1.98	-0.19	0.035
125.00	-12.46	-0.72	0.00	-30.31	0.00	30.31	1,944.05	972.03	2,099.13	1,051.12	2.02	-0.20	0.035
126.00	-12.30	-0.73	0.00	-29.59	0.00	29.59	1,927.88	963.94	2,064.15	1,033.61	2.06	-0.20	0.035
127.00	-12.14	-0.73	0.00	-28.87	0.00	28.87	1,911.71	955.86	2,029.46	1,016.24	2.10	-0.20	0.035
128.00	-11.99	-0.74	0.00	-28.13	0.00	28.13	1,895.54	947.77	1,995.07	999.02	2.14	-0.21	0.034
129.00	-11.83	-0.75	0.00	-27.39	0.00	27.39	1,879.37	939.68	1,960.98	981.95	2.19	-0.21	0.034
130.00	-11.67	-0.75	0.00	-26.65	0.00	26.65	1,863.20	931.60	1,927.17	965.02	2.23	-0.21	0.034
131.00	-11.52	-0.76	0.00	-25.90	0.00	25.90	1,847.03	923.51	1,893.66	948.24	2.28	-0.22	0.034
132.00	-11.50	-0.76	0.00	-25.14	0.00	25.14	1,830.86	915.43	1,860.45	931.61	2.32	-0.22	0.033
132.12	-11.31	-0.76	0.00	-25.05	0.00	25.05	1,828.92	914.46	1,856.49	929.63	2.33	-0.22	0.033
133.00	-11.09	-0.77	0.00	-24.38	0.00	24.38	1,814.69	907.34	1,827.53	915.12	2.37	-0.23	0.033
134.00	-10.88	-0.77	0.00	-23.61	0.00	23.61	1,798.52	899.26	1,794.90	898.78	2.42	-0.23	0.032
135.00	-10.69	-0.77	0.00	-22.84	0.00	22.84	1,782.35	891.17	1,762.57	882.59	2.47	-0.23	0.032
135.87	-10.68	-0.77	0.00	-22.17	0.00	22.17	993.95	496.97	1,000.68	501.09	2.51	-0.24	0.055
136.00	-10.57	-0.78	0.00	-22.07	0.00	22.07	993.20	496.60	998.76	500.12	2.52	-0.24	0.055
137.00	-6.73	-0.80	0.00	-21.29	0.00	21.29	987.45	493.72	984.00	492.73	2.57	-0.24	0.050
138.00	-6.62	-0.80	0.00	-20.49	0.00	20.49	981.64	490.82	969.28	485.36	2.62	-0.25	0.049
139.00	-6.51	-0.80	0.00	-19.69	0.00	19.69	975.77	487.88	954.62	478.02	2.67	-0.25	0.048
140.00	-5.79	-0.80	0.00	-18.89	0.00	18.89	969.84	484.92	940.01	470.70	2.72	-0.26	0.046
141.00	-5.68	-0.79	0.00	-18.09	0.00	18.09	963.86	481.93	925.45	463.41	2.78	-0.26	0.045
142.00	-5.58	-0.79	0.00	-17.30	0.00	17.30	957.82	478.91	910.95	456.15	2.83	-0.27	0.044
143.00	-5.48	-0.79	0.00	-16.51	0.00	16.51	951.72	475.86	896.50	448.92	2.89	-0.27	0.043
144.00	-5.37	-0.79	0.00	-15.72	0.00	15.72	945.56	472.78	882.11	441.71	2.95	-0.28	0.041
145.00	-5.27	-0.79	0.00	-14.93	0.00	14.93	939.35	469.68	867.78	434.53	3.01	-0.28	0.040
146.00	-4.29	-0.75	0.00	-14.14	0.00	14.14	933.08	466.54	853.51	427.39	3.07	-0.29	0.038
147.00	-4.20	-0.74	0.00	-13.40	0.00	13.40	926.76	463.38	839.30	420.27	3.13	-0.29	0.036
148.00	-4.11	-0.74	0.00	-12.66	0.00	12.66	920.37	460.19	825.16	413.19	3.19	-0.30	0.035
149.00	-4.02	-0.73	0.00	-11.92	0.00	11.92	913.93	456.97	811.08	406.14	3.25	-0.30	0.034
150.00	-3.92	-0.72	0.00	-11.19	0.00	11.19	907.44	453.72	797.07	399.13	3.32	-0.31	0.032
151.00	-3.83	-0.72	0.00	-10.47	0.00	10.47	900.88	450.44	783.12	392.14	3.38	-0.31	0.031
152.00	-3.55	-0.69	0.00	-9.75	0.00	9.75	894.27	447.14	769.25	385.20	3.45	-0.31	0.029
153.00	-3.46	-0.69	0.00	-9.05	0.00	9.05	887.60	443.80	755.45	378.29	3.51	-0.32	0.028
154.00	-3.37	-0.68	0.00	-8.37	0.00	8.37	880.88	440.44	741.72	371.41	3.58	-0.32	0.026
155.00	-3.28	-0.67	0.00	-7.69	0.00	7.69	874.09	437.05	728.06	364.57	3.65	-0.33	0.025
156.00	-3.20	-0.66	0.00	-7.02	0.00	7.02	867.26	433.63	714.49	357.77	3.72	-0.33	0.023
157.00	-3.11	-0.65	0.00	-6.36	0.00	6.36	860.36	430.18	700.99	351.01	3.79	-0.33	0.022
158.00	-3.03	-0.64	0.00	-5.72	0.00	5.72	853.41	426.70	687.57	344.29	3.86	-0.34	0.020
159.00	-2.94	-0.62	0.00	-5.08	0.00	5.08	846.39	423.20	674.23	337.61	3.93	-0.34	0.019
160.00	-2.86	-0.61	0.00	-4.46	0.00	4.46	839.33	419.66	660.97	330.98	4.00	-0.34	0.017
161.00	-2.77	-0.60	0.00	-3.85	0.00	3.85	832.20	416.10	647.80	324.38	4.07	-0.34	0.015
162.00	-2.69	-0.58	0.00	-3.25	0.00	3.25	825.02	412.51	634.71	317.83	4.14	-0.34	0.013
163.00	-1.04	-0.29	0.00	-2.67	0.00	2.67	817.78	408.89	621.71	311.32	4.21	-0.35	0.010
164.00	-0.97	-0.28	0.00	-2.38	0.00	2.38	810.15	405.07	608.54	304.72	4.29	-0.35	0.009
165.00	-0.90	-0.26	0.00	-2.10	0.00	2.10	800.44	400.22	593.98	297.43	4.36	-0.35	0.008
166.00	-0.83	-0.25	0.00	-1.84	0.00	1.84	790.74	395.37	579.60	290.23	4.43	-0.35	0.007
167.00	-0.77	-0.23	0.00	-1.60	0.00	1.60	781.04	390.52	565.39	283.11	4.51	-0.35	0.007
168.00	-0.70	-0.22	0.00	-1.36	0.00	1.36	771.34	385.67	551.35	276.09	4.58	-0.35	0.006
169.00	-0.63	-0.20	0.00	-1.15	0.00	1.15	761.63	380.82	537.50	269.15	4.65	-0.35	0.005
170.00	-0.57	-0.18	0.00	-0.95	0.00	0.95	751.93	375.97	523.82	262.30	4.73	-0.35	0.004
171.00	-0.50	-0.16	0.00	-0.77	0.00	0.77	742.23	371.11	510.32	255.54	4.80	-0.36	0.004
172.00	-0.44	-0.15	0.00	-0.60	0.00	0.60	732.53	366.26	496.99	248.86	4.88	-0.36	0.003
173.00	-0.37	-0.13	0.00	-0.46	0.00	0.46	722.82	361.41	483.84	242.28	4.95	-0.36	0.002
174.00	-0.31	-0.11	0.00	-0.33	0.00	0.33	713.12	356.56	470.86	235.78	5.03	-0.36	0.002
175.00	-0.25	-0.09	0.00	-0.22	0.00	0.22	703.42	351.71	458.07	229.37	5.10	-0.36	0.001

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:18 PM

Customer: AT&T Mobility

176.00	-0.18	-0.07	0.00	-0.13	0.00	0.13	693.72	346.86	445.44	223.05	5.18	-0.36	0.001
177.00	-0.12	-0.04	0.00	-0.07	0.00	0.07	684.02	342.01	433.00	216.82	5.25	-0.36	0.000
178.00	-0.06	-0.02	0.00	-0.02	0.00	0.02	674.31	337.16	420.73	210.68	5.33	-0.36	0.000
179.00	0.00	0.00	0.00	0.00	0.00	0.00	664.61	332.31	408.64	204.62	5.40	-0.36	0.000
180.00	0.00	0.00	0.00	0.00	0.00	0.00	654.91	327.45	396.72	198.65	5.48	-0.36	0.000

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

2/6/2017 3:47:18 PM

Customer: AT&T Mobility

Load Case (0.9 - 0.2Sds) * DL + E EMAM Seismic (Reduced DL) Equivalent Modal Analysis Method

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-48.41	-2.10	0.00	-149.05	0.00	149.05	5,102.86	2,551.43	10,963.2	5,489.79	0.00	0.00	0.028
1.00	-48.05	-2.09	0.00	-146.95	0.00	146.95	5,088.23	2,544.11	10,885.6	5,450.89	0.00	0.00	0.027
2.00	-47.69	-2.09	0.00	-144.86	0.00	144.86	5,073.54	2,536.77	10,808.0	5,412.06	0.00	0.00	0.027
3.00	-47.33	-2.08	0.00	-142.78	0.00	142.78	5,058.79	2,529.39	10,730.6	5,373.31	0.00	0.00	0.027
4.00	-46.97	-2.07	0.00	-140.70	0.00	140.70	5,043.98	2,521.99	10,653.4	5,334.64	0.00	0.00	0.027
5.00	-46.61	-2.06	0.00	-138.63	0.00	138.63	5,029.12	2,514.56	10,576.3	5,296.03	0.00	-0.01	0.026
6.00	-46.25	-2.04	0.00	-136.57	0.00	136.57	5,014.20	2,507.10	10,499.4	5,257.51	0.00	-0.01	0.026
7.00	-45.89	-2.03	0.00	-134.53	0.00	134.53	4,999.22	2,499.61	10,422.6	5,219.05	0.01	-0.01	0.026
8.00	-45.54	-2.01	0.00	-132.50	0.00	132.50	4,984.19	2,492.10	10,345.9	5,180.68	0.01	-0.01	0.026
9.00	-45.18	-2.00	0.00	-130.49	0.00	130.49	4,969.10	2,484.55	10,269.5	5,142.38	0.01	-0.01	0.026
10.00	-44.83	-1.98	0.00	-128.49	0.00	128.49	4,953.95	2,476.98	10,193.1	5,104.17	0.01	-0.01	0.025
11.00	-44.47	-1.96	0.00	-126.51	0.00	126.51	4,938.75	2,469.37	10,117.0	5,066.03	0.02	-0.01	0.025
12.00	-44.12	-1.94	0.00	-124.55	0.00	124.55	4,923.49	2,461.74	10,041.0	5,027.97	0.02	-0.01	0.025
13.00	-43.77	-1.92	0.00	-122.61	0.00	122.61	4,908.17	2,454.08	9,965.17	4,989.99	0.02	-0.02	0.025
14.00	-43.42	-1.90	0.00	-120.69	0.00	120.69	4,892.79	2,446.40	9,889.49	4,952.10	0.03	-0.02	0.025
15.00	-43.07	-1.88	0.00	-118.79	0.00	118.79	4,877.36	2,438.68	9,813.98	4,914.28	0.03	-0.02	0.024
16.00	-42.72	-1.86	0.00	-116.91	0.00	116.91	4,861.87	2,430.94	9,738.63	4,876.55	0.03	-0.02	0.024
17.00	-42.37	-1.84	0.00	-115.05	0.00	115.05	4,846.32	2,423.16	9,663.45	4,838.91	0.04	-0.02	0.024
18.00	-42.02	-1.82	0.00	-113.21	0.00	113.21	4,830.72	2,415.36	9,588.44	4,801.34	0.04	-0.02	0.024
19.00	-41.68	-1.79	0.00	-111.39	0.00	111.39	4,815.06	2,407.53	9,513.60	4,763.87	0.05	-0.02	0.024
20.00	-41.33	-1.77	0.00	-109.59	0.00	109.59	4,799.34	2,399.67	9,438.93	4,726.48	0.05	-0.02	0.023
21.00	-40.99	-1.75	0.00	-107.82	0.00	107.82	4,783.57	2,391.78	9,364.44	4,689.18	0.06	-0.03	0.023
22.00	-40.64	-1.73	0.00	-106.07	0.00	106.07	4,767.74	2,383.87	9,290.12	4,651.96	0.06	-0.03	0.023
23.00	-40.30	-1.70	0.00	-104.34	0.00	104.34	4,751.85	2,375.92	9,215.98	4,614.84	0.07	-0.03	0.023
24.00	-39.96	-1.68	0.00	-102.64	0.00	102.64	4,735.90	2,367.95	9,142.01	4,577.80	0.07	-0.03	0.022
25.00	-39.62	-1.66	0.00	-100.96	0.00	100.96	4,719.90	2,359.95	9,068.23	4,540.86	0.08	-0.03	0.022
26.00	-39.28	-1.63	0.00	-99.30	0.00	99.30	4,703.84	2,351.92	8,994.63	4,504.00	0.09	-0.03	0.022
27.00	-38.94	-1.61	0.00	-97.67	0.00	97.67	4,687.72	2,343.86	8,921.22	4,467.24	0.09	-0.03	0.022
28.00	-38.60	-1.59	0.00	-96.05	0.00	96.05	4,671.55	2,335.77	8,847.98	4,430.57	0.10	-0.03	0.022
29.00	-38.26	-1.56	0.00	-94.47	0.00	94.47	4,655.31	2,327.66	8,774.94	4,393.99	0.11	-0.03	0.021
30.00	-37.92	-1.54	0.00	-92.90	0.00	92.90	4,639.03	2,319.51	8,702.08	4,357.51	0.11	-0.04	0.021
31.00	-37.58	-1.52	0.00	-91.36	0.00	91.36	4,622.68	2,311.34	8,629.41	4,321.12	0.12	-0.04	0.021
32.00	-37.25	-1.49	0.00	-89.85	0.00	89.85	4,606.28	2,303.14	8,556.93	4,284.83	0.13	-0.04	0.021
33.00	-36.91	-1.47	0.00	-88.35	0.00	88.35	4,589.82	2,294.91	8,484.65	4,248.63	0.14	-0.04	0.021
34.00	-36.58	-1.44	0.00	-86.88	0.00	86.88	4,573.30	2,286.65	8,412.56	4,212.53	0.15	-0.04	0.021
35.00	-36.25	-1.42	0.00	-85.44	0.00	85.44	4,556.73	2,278.36	8,340.67	4,176.53	0.15	-0.04	0.020
36.00	-35.92	-1.40	0.00	-84.02	0.00	84.02	4,540.10	2,270.05	8,268.97	4,140.63	0.16	-0.04	0.020
37.00	-35.59	-1.37	0.00	-82.62	0.00	82.62	4,523.41	2,261.70	8,197.47	4,104.83	0.17	-0.04	0.020
38.00	-35.26	-1.35	0.00	-81.25	0.00	81.25	4,506.66	2,253.33	8,126.17	4,069.13	0.18	-0.04	0.020
39.00	-34.93	-1.32	0.00	-79.90	0.00	79.90	4,489.86	2,244.93	8,055.08	4,033.53	0.19	-0.05	0.020
40.00	-34.60	-1.30	0.00	-78.58	0.00	78.58	4,473.00	2,236.50	7,984.18	3,998.03	0.20	-0.05	0.019
41.00	-34.28	-1.28	0.00	-77.28	0.00	77.28	4,456.09	2,228.04	7,913.50	3,962.63	0.21	-0.05	0.019
42.00	-33.96	-1.25	0.00	-76.00	0.00	76.00	4,439.11	2,219.56	7,843.02	3,927.34	0.22	-0.05	0.019
42.96	-33.94	-1.25	0.00	-74.80	0.00	74.80	4,422.82	2,211.41	7,775.79	3,893.68	0.23	-0.05	0.019
43.00	-33.47	-1.22	0.00	-74.75	0.00	74.75	4,422.08	2,211.04	7,772.74	3,892.15	0.23	-0.05	0.019
44.00	-32.99	-1.18	0.00	-73.53	0.00	73.53	4,400.67	2,200.33	7,695.11	3,853.28	0.24	-0.05	0.019
45.00	-32.52	-1.14	0.00	-72.35	0.00	72.35	4,378.03	2,189.01	7,615.75	3,813.53	0.25	-0.05	0.018
46.00	-32.05	-1.11	0.00	-71.21	0.00	71.21	4,355.39	2,177.70	7,536.79	3,773.99	0.26	-0.05	0.018
47.00	-31.58	-1.07	0.00	-70.10	0.00	70.10	4,332.75	2,166.38	7,458.24	3,734.66	0.27	-0.05	0.018
48.00	-31.11	-1.03	0.00	-69.03	0.00	69.03	4,310.11	2,155.06	7,380.10	3,695.54	0.28	-0.05	0.018
49.00	-31.09	-1.03	0.00	-68.00	0.00	68.00	4,287.47	2,143.74	7,302.38	3,656.62	0.30	-0.06	0.018
49.04	-30.80	-1.01	0.00	-67.96	0.00	67.96	3,604.17	1,802.08	6,267.69	3,138.50	0.30	-0.06	0.020
50.00	-30.50	-0.99	0.00	-66.99	0.00	66.99	3,591.50	1,795.75	6,214.33	3,111.78	0.31	-0.06	0.020
51.00	-30.21	-0.97	0.00	-66.00	0.00	66.00	3,578.26	1,789.13	6,158.90	3,084.03	0.32	-0.06	0.020
52.00	-29.91	-0.94	0.00	-65.03	0.00	65.03	3,564.96	1,782.48	6,103.60	3,056.34	0.33	-0.06	0.020
53.00	-29.62	-0.92	0.00	-64.09	0.00	64.09	3,551.60	1,775.80	6,048.46	3,028.72	0.34	-0.06	0.020

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

54.00	-29.32	-0.90	0.00	-63.17	0.00	63.17	3,538.18	1,769.09	5,993.45	3,001.18	0.36	-0.06	0.019
55.00	-29.03	-0.87	0.00	-62.28	0.00	62.28	3,524.70	1,762.35	5,938.60	2,973.71	0.37	-0.06	0.019
56.00	-28.74	-0.85	0.00	-61.40	0.00	61.40	3,511.17	1,755.59	5,883.90	2,946.32	0.38	-0.06	0.019
57.00	-28.45	-0.83	0.00	-60.55	0.00	60.55	3,497.59	1,748.79	5,829.34	2,919.00	0.40	-0.06	0.019
58.00	-28.15	-0.81	0.00	-59.72	0.00	59.72	3,483.94	1,741.97	5,774.94	2,891.76	0.41	-0.07	0.019
59.00	-27.86	-0.78	0.00	-58.92	0.00	58.92	3,470.24	1,735.12	5,720.69	2,864.60	0.42	-0.07	0.019
60.00	-27.57	-0.76	0.00	-58.14	0.00	58.14	3,456.48	1,728.24	5,666.60	2,837.51	0.44	-0.07	0.019
61.00	-27.29	-0.74	0.00	-57.38	0.00	57.38	3,442.66	1,721.33	5,612.67	2,810.51	0.45	-0.07	0.019
62.00	-27.00	-0.72	0.00	-56.64	0.00	56.64	3,428.79	1,714.39	5,558.89	2,783.58	0.47	-0.07	0.018
63.00	-26.71	-0.69	0.00	-55.92	0.00	55.92	3,414.86	1,707.43	5,505.28	2,756.73	0.48	-0.07	0.018
64.00	-26.42	-0.67	0.00	-55.23	0.00	55.23	3,400.87	1,700.44	5,451.82	2,729.96	0.50	-0.07	0.018
65.00	-26.14	-0.65	0.00	-54.56	0.00	54.56	3,386.83	1,693.41	5,398.53	2,703.28	0.51	-0.07	0.018
66.00	-25.85	-0.63	0.00	-53.91	0.00	53.91	3,372.72	1,686.36	5,345.41	2,676.68	0.53	-0.07	0.018
67.00	-25.57	-0.61	0.00	-53.28	0.00	53.28	3,358.57	1,679.28	5,292.45	2,650.16	0.54	-0.08	0.018
68.00	-25.29	-0.59	0.00	-52.67	0.00	52.67	3,344.35	1,672.18	5,239.65	2,623.72	0.56	-0.08	0.018
69.00	-25.00	-0.57	0.00	-52.09	0.00	52.09	3,330.08	1,665.04	5,187.03	2,597.37	0.57	-0.08	0.018
70.00	-24.72	-0.55	0.00	-51.52	0.00	51.52	3,315.75	1,657.87	5,134.58	2,571.11	0.59	-0.08	0.018
71.00	-24.44	-0.53	0.00	-50.98	0.00	50.98	3,301.36	1,650.68	5,082.30	2,544.93	0.61	-0.08	0.017
72.00	-24.16	-0.51	0.00	-50.45	0.00	50.45	3,286.92	1,643.46	5,030.20	2,518.84	0.62	-0.08	0.017
73.00	-23.88	-0.49	0.00	-49.95	0.00	49.95	3,272.42	1,636.21	4,978.27	2,492.84	0.64	-0.08	0.017
74.00	-23.60	-0.47	0.00	-49.46	0.00	49.46	3,257.86	1,628.93	4,926.52	2,466.92	0.66	-0.08	0.017
75.00	-23.32	-0.45	0.00	-48.99	0.00	48.99	3,242.30	1,621.15	4,873.54	2,440.39	0.67	-0.08	0.017
76.00	-23.04	-0.43	0.00	-48.54	0.00	48.54	3,222.90	1,611.45	4,815.08	2,411.12	0.69	-0.09	0.017
77.00	-22.77	-0.42	0.00	-48.10	0.00	48.10	3,203.49	1,601.75	4,756.98	2,382.03	0.71	-0.09	0.017
78.00	-22.49	-0.40	0.00	-47.69	0.00	47.69	3,184.09	1,592.04	4,699.23	2,353.11	0.73	-0.09	0.017
79.00	-22.22	-0.39	0.00	-47.28	0.00	47.28	3,164.68	1,582.34	4,641.84	2,324.37	0.75	-0.09	0.017
80.00	-21.70	-0.36	0.00	-46.90	0.00	46.90	3,145.28	1,572.64	4,584.79	2,295.80	0.77	-0.09	0.017
81.00	-21.43	-0.35	0.00	-46.54	0.00	46.54	3,125.87	1,562.94	4,528.10	2,267.42	0.78	-0.09	0.017
82.00	-21.16	-0.33	0.00	-46.19	0.00	46.19	3,106.47	1,553.24	4,471.77	2,239.21	0.80	-0.09	0.017
83.00	-20.89	-0.32	0.00	-45.86	0.00	45.86	3,087.07	1,543.53	4,415.78	2,211.17	0.82	-0.09	0.017
84.00	-20.62	-0.31	0.00	-45.53	0.00	45.53	3,067.66	1,533.83	4,360.15	2,183.32	0.84	-0.09	0.017
85.00	-20.35	-0.30	0.00	-45.22	0.00	45.22	3,048.26	1,524.13	4,304.87	2,155.63	0.86	-0.10	0.017
86.00	-20.08	-0.29	0.00	-44.92	0.00	44.92	3,028.85	1,514.43	4,249.94	2,128.13	0.88	-0.10	0.017
87.00	-19.93	-0.29	0.00	-44.63	0.00	44.63	3,009.45	1,504.72	4,195.37	2,100.80	0.90	-0.10	0.017
87.54	-19.76	-0.28	0.00	-44.47	0.00	44.47	2,998.97	1,499.48	4,166.05	2,086.12	0.91	-0.10	0.017
88.00	-19.40	-0.27	0.00	-44.34	0.00	44.34	2,990.04	1,495.02	4,141.15	2,073.65	0.92	-0.10	0.017
89.00	-19.03	-0.27	0.00	-44.07	0.00	44.07	2,970.64	1,485.32	4,087.28	2,046.68	0.94	-0.10	0.017
90.00	-18.66	-0.26	0.00	-43.80	0.00	43.80	2,951.23	1,475.62	4,033.76	2,019.88	0.97	-0.10	0.017
91.00	-18.30	-0.26	0.00	-43.54	0.00	43.54	2,931.83	1,465.91	3,980.60	1,993.26	0.99	-0.10	0.017
92.00	-18.14	-0.26	0.00	-43.28	0.00	43.28	2,912.42	1,456.21	3,927.79	1,966.81	1.01	-0.10	0.017
92.46	-18.00	-0.25	0.00	-43.17	0.00	43.17	2,412.07	1,206.04	3,317.78	1,661.36	1.02	-0.11	0.019
93.00	-17.75	-0.25	0.00	-43.03	0.00	43.03	2,405.85	1,202.93	3,297.34	1,651.12	1.03	-0.11	0.019
94.00	-17.51	-0.25	0.00	-42.77	0.00	42.77	2,394.36	1,197.18	3,259.83	1,632.34	1.05	-0.11	0.019
95.00	-17.26	-0.26	0.00	-42.52	0.00	42.52	2,382.81	1,191.41	3,222.46	1,613.62	1.08	-0.11	0.018
96.00	-16.60	-0.26	0.00	-42.27	0.00	42.27	2,371.21	1,185.60	3,185.22	1,594.98	1.10	-0.11	0.018
97.00	-16.36	-0.26	0.00	-42.01	0.00	42.01	2,359.55	1,179.77	3,148.11	1,576.40	1.12	-0.11	0.018
98.00	-16.11	-0.27	0.00	-41.74	0.00	41.74	2,347.83	1,173.91	3,111.14	1,557.88	1.15	-0.11	0.018
99.00	-15.87	-0.27	0.00	-41.47	0.00	41.47	2,336.05	1,168.03	3,074.31	1,539.44	1.17	-0.11	0.018
100.00	-15.63	-0.28	0.00	-41.20	0.00	41.20	2,324.22	1,162.11	3,037.61	1,521.06	1.19	-0.12	0.018
101.00	-15.39	-0.29	0.00	-40.92	0.00	40.92	2,312.33	1,156.16	3,001.06	1,502.76	1.22	-0.12	0.018
102.00	-15.15	-0.30	0.00	-40.63	0.00	40.63	2,300.38	1,150.19	2,964.65	1,484.53	1.24	-0.12	0.018
103.00	-14.91	-0.31	0.00	-40.33	0.00	40.33	2,288.38	1,144.19	2,928.39	1,466.37	1.27	-0.12	0.018
104.00	-14.79	-0.31	0.00	-40.03	0.00	40.03	2,276.31	1,138.16	2,892.27	1,448.28	1.29	-0.12	0.018
104.50	-14.70	-0.32	0.00	-39.87	0.00	39.87	2,270.26	1,135.13	2,874.26	1,439.27	1.31	-0.12	0.018
104.50	-14.70	-0.32	0.00	-39.87	0.00	39.87	2,270.26	1,135.13	2,874.26	1,439.27	1.31	-0.12	0.034
105.00	-14.52	-0.32	0.00	-39.71	0.00	39.71	2,264.20	1,132.10	2,856.29	1,430.27	1.32	-0.12	0.034
106.00	-14.34	-0.33	0.00	-39.39	0.00	39.39	2,251.29	1,125.65	2,819.56	1,411.88	1.35	-0.13	0.034
107.00	-14.16	-0.34	0.00	-39.06	0.00	39.06	2,235.12	1,117.56	2,779.00	1,391.56	1.37	-0.13	0.034
108.00	-13.98	-0.35	0.00	-38.71	0.00	38.71	2,218.95	1,109.48	2,738.73	1,371.40	1.40	-0.13	0.035
109.00	-13.80	-0.37	0.00	-38.36	0.00	38.36	2,202.78	1,101.39	2,698.75	1,351.38	1.43	-0.14	0.035
110.00	-13.62	-0.38	0.00	-37.99	0.00	37.99	2,186.61	1,093.30	2,659.07	1,331.51	1.46	-0.14	0.035
111.00	-13.38	-0.39	0.00	-37.62	0.00	37.62	2,170.44	1,085.22	2,619.69	1,311.79	1.49	-0.14	0.035
112.00	-13.23	-0.40	0.00	-37.23	0.00	37.23	2,154.27	1,077.13	2,580.59	1,292.21	1.52	-0.15	0.035
113.00	-11.66	-0.50	0.00	-36.82	0.00	36.82	2,138.10	1,069.05	2,541.79	1,272.79	1.55	-0.15	0.034

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

114.00	-11.53	-0.51	0.00	-36.32	0.00	36.32	2,121.93	1,060.96	2,503.29	1,253.50	1.58	-0.15	0.034
115.00	-11.41	-0.52	0.00	-35.81	0.00	35.81	2,105.76	1,052.88	2,465.08	1,234.37	1.61	-0.16	0.034
116.00	-11.28	-0.53	0.00	-35.29	0.00	35.29	2,089.59	1,044.79	2,427.16	1,215.38	1.64	-0.16	0.034
117.00	-11.16	-0.54	0.00	-34.76	0.00	34.76	2,073.42	1,036.71	2,389.54	1,196.54	1.68	-0.16	0.034
118.00	-11.03	-0.55	0.00	-34.22	0.00	34.22	2,057.25	1,028.62	2,352.21	1,177.85	1.71	-0.17	0.034
119.00	-10.91	-0.56	0.00	-33.67	0.00	33.67	2,041.07	1,020.54	2,315.17	1,159.31	1.75	-0.17	0.034
120.00	-10.78	-0.57	0.00	-33.11	0.00	33.11	2,024.90	1,012.45	2,278.43	1,140.91	1.78	-0.17	0.034
121.00	-10.66	-0.58	0.00	-32.55	0.00	32.55	2,008.73	1,004.37	2,241.98	1,122.66	1.82	-0.18	0.034
122.00	-9.02	-0.68	0.00	-31.97	0.00	31.97	1,992.56	996.28	2,205.83	1,104.55	1.86	-0.18	0.033
123.00	-8.90	-0.69	0.00	-31.29	0.00	31.29	1,976.39	988.20	2,169.97	1,086.60	1.90	-0.18	0.033
124.00	-8.79	-0.70	0.00	-30.60	0.00	30.60	1,960.22	980.11	2,134.40	1,068.79	1.94	-0.19	0.033
125.00	-8.68	-0.71	0.00	-29.90	0.00	29.90	1,944.05	972.03	2,099.13	1,051.12	1.97	-0.19	0.033
126.00	-8.57	-0.71	0.00	-29.19	0.00	29.19	1,927.88	963.94	2,064.15	1,033.61	2.02	-0.20	0.033
127.00	-8.46	-0.72	0.00	-28.48	0.00	28.48	1,911.71	955.86	2,029.46	1,016.24	2.06	-0.20	0.032
128.00	-8.35	-0.72	0.00	-27.76	0.00	27.76	1,895.54	947.77	1,995.07	999.02	2.10	-0.20	0.032
129.00	-8.24	-0.73	0.00	-27.04	0.00	27.04	1,879.37	939.68	1,960.98	981.95	2.14	-0.21	0.032
130.00	-8.13	-0.74	0.00	-26.31	0.00	26.31	1,863.20	931.60	1,927.17	965.02	2.19	-0.21	0.032
131.00	-8.02	-0.74	0.00	-25.57	0.00	25.57	1,847.03	923.51	1,893.66	948.24	2.23	-0.21	0.031
132.00	-8.01	-0.74	0.00	-24.83	0.00	24.83	1,830.86	915.43	1,860.45	931.61	2.28	-0.22	0.031
132.12	-7.88	-0.75	0.00	-24.74	0.00	24.74	1,828.92	914.46	1,856.49	929.63	2.28	-0.22	0.031
133.00	-7.73	-0.75	0.00	-24.09	0.00	24.09	1,814.69	907.34	1,827.53	915.12	2.32	-0.22	0.031
134.00	-7.58	-0.76	0.00	-23.34	0.00	23.34	1,798.52	899.26	1,794.90	898.78	2.37	-0.22	0.030
135.00	-7.45	-0.76	0.00	-22.58	0.00	22.58	1,782.35	891.17	1,762.57	882.59	2.42	-0.23	0.030
135.87	-7.44	-0.76	0.00	-21.92	0.00	21.92	993.95	496.97	1,000.68	501.09	2.46	-0.23	0.051
136.00	-7.36	-0.76	0.00	-21.82	0.00	21.82	993.20	496.60	998.76	500.12	2.46	-0.23	0.051
137.00	-4.68	-0.79	0.00	-21.06	0.00	21.06	987.45	493.72	984.00	492.73	2.51	-0.24	0.047
138.00	-4.61	-0.79	0.00	-20.27	0.00	20.27	981.64	490.82	969.28	485.36	2.56	-0.24	0.046
139.00	-4.54	-0.79	0.00	-19.48	0.00	19.48	975.77	487.88	954.62	478.02	2.61	-0.25	0.045
140.00	-4.03	-0.79	0.00	-18.69	0.00	18.69	969.84	484.92	940.01	470.70	2.67	-0.25	0.044
141.00	-3.96	-0.79	0.00	-17.90	0.00	17.90	963.86	481.93	925.45	463.41	2.72	-0.26	0.043
142.00	-3.89	-0.78	0.00	-17.12	0.00	17.12	957.82	478.91	910.95	456.15	2.78	-0.26	0.042
143.00	-3.81	-0.78	0.00	-16.34	0.00	16.34	951.72	475.86	896.50	448.92	2.83	-0.27	0.040
144.00	-3.74	-0.78	0.00	-15.55	0.00	15.55	945.56	472.78	882.11	441.71	2.89	-0.27	0.039
145.00	-3.67	-0.78	0.00	-14.78	0.00	14.78	939.35	469.68	867.78	434.53	2.95	-0.28	0.038
146.00	-2.99	-0.74	0.00	-14.00	0.00	14.00	933.08	466.54	853.51	427.39	3.00	-0.28	0.036
147.00	-2.92	-0.73	0.00	-13.26	0.00	13.26	926.76	463.38	839.30	420.27	3.06	-0.29	0.035
148.00	-2.86	-0.73	0.00	-12.53	0.00	12.53	920.37	460.19	825.16	413.19	3.13	-0.29	0.033
149.00	-2.80	-0.72	0.00	-11.80	0.00	11.80	913.93	456.97	811.08	406.14	3.19	-0.30	0.032
150.00	-2.73	-0.72	0.00	-11.08	0.00	11.08	907.44	453.72	797.07	399.13	3.25	-0.30	0.031
151.00	-2.67	-0.71	0.00	-10.36	0.00	10.36	900.88	450.44	783.12	392.14	3.31	-0.31	0.029
152.00	-2.47	-0.69	0.00	-9.65	0.00	9.65	894.27	447.14	769.25	385.20	3.38	-0.31	0.028
153.00	-2.41	-0.68	0.00	-8.97	0.00	8.97	887.60	443.80	755.45	378.29	3.44	-0.31	0.026
154.00	-2.35	-0.67	0.00	-8.29	0.00	8.29	880.88	440.44	741.72	371.41	3.51	-0.32	0.025
155.00	-2.29	-0.66	0.00	-7.62	0.00	7.62	874.09	437.05	728.06	364.57	3.58	-0.32	0.024
156.00	-2.23	-0.65	0.00	-6.96	0.00	6.96	867.26	433.63	714.49	357.77	3.64	-0.32	0.022
157.00	-2.17	-0.64	0.00	-6.30	0.00	6.30	860.36	430.18	700.99	351.01	3.71	-0.33	0.020
158.00	-2.11	-0.63	0.00	-5.66	0.00	5.66	853.41	426.70	687.57	344.29	3.78	-0.33	0.019
159.00	-2.05	-0.62	0.00	-5.03	0.00	5.03	846.39	423.20	674.23	337.61	3.85	-0.33	0.017
160.00	-1.99	-0.60	0.00	-4.42	0.00	4.42	839.33	419.66	660.97	330.98	3.92	-0.34	0.016
161.00	-1.93	-0.59	0.00	-3.81	0.00	3.81	832.20	416.10	647.80	324.38	3.99	-0.34	0.014
162.00	-1.87	-0.58	0.00	-3.22	0.00	3.22	825.02	412.51	634.71	317.83	4.06	-0.34	0.012
163.00	-0.72	-0.29	0.00	-2.64	0.00	2.64	817.78	408.89	621.71	311.32	4.13	-0.34	0.009
164.00	-0.68	-0.27	0.00	-2.36	0.00	2.36	810.15	405.07	608.54	304.72	4.21	-0.34	0.009
165.00	-0.63	-0.26	0.00	-2.09	0.00	2.09	800.44	400.22	593.98	297.43	4.28	-0.34	0.008
166.00	-0.58	-0.24	0.00	-1.83	0.00	1.83	790.74	395.37	579.60	290.23	4.35	-0.35	0.007
167.00	-0.53	-0.23	0.00	-1.58	0.00	1.58	781.04	390.52	565.39	283.11	4.42	-0.35	0.006
168.00	-0.49	-0.21	0.00	-1.35	0.00	1.35	771.34	385.67	551.35	276.09	4.49	-0.35	0.006
169.00	-0.44	-0.20	0.00	-1.14	0.00	1.14	761.63	380.82	537.50	269.15	4.57	-0.35	0.005
170.00	-0.39	-0.18	0.00	-0.94	0.00	0.94	751.93	375.97	523.82	262.30	4.64	-0.35	0.004
171.00	-0.35	-0.16	0.00	-0.76	0.00	0.76	742.23	371.11	510.32	255.54	4.71	-0.35	0.003
172.00	-0.30	-0.14	0.00	-0.60	0.00	0.60	732.53	366.26	496.99	248.86	4.79	-0.35	0.003
173.00	-0.26	-0.13	0.00	-0.45	0.00	0.45	722.82	361.41	483.84	242.28	4.86	-0.35	0.002
174.00	-0.22	-0.11	0.00	-0.33	0.00	0.33	713.12	356.56	470.86	235.78	4.93	-0.35	0.002
175.00	-0.17	-0.09	0.00	-0.22	0.00	0.22	703.42	351.71	458.07	229.37	5.01	-0.35	0.001

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

176.00	-0.13	-0.07	0.00	-0.13	0.00	0.13	693.72	346.86	445.44	223.05	5.08	-0.35	0.001
177.00	-0.08	-0.04	0.00	-0.07	0.00	0.07	684.02	342.01	433.00	216.82	5.15	-0.35	0.000
178.00	-0.04	-0.02	0.00	-0.02	0.00	0.02	674.31	337.16	420.73	210.68	5.23	-0.35	0.000
179.00	0.00	0.00	0.00	0.00	0.00	0.00	664.61	332.31	408.64	204.62	5.30	-0.35	0.000
180.00	0.00	0.00	0.00	0.00	0.00	0.00	654.91	327.45	396.72	198.65	5.38	-0.35	0.000

Site Number: 302506

Code: ANSI/TIA-222-G

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Site Name: Winchester CT 3, CT

Engineering Number: OAA692405_C3_02

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Customer: AT&T Mobility

Analysis Summary

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	41.42	0.00	70.60	0.00	0.00	4704.42	104.50	0.67
0.9D + 1.6W	40.07	0.00	52.94	0.00	0.00	4553.31	104.50	0.64
1.2D + 1.0Di + 1.0Wi	6.80	0.00	150.62	0.00	0.00	881.33	135.87	0.18
(1.2 + 0.2Sds) * DL + E ELFM	2.57	0.00	69.50	0.00	0.00	321.68	104.50	0.05
(1.2 + 0.2Sds) * DL + E EMAM	2.10	0.00	69.50	0.00	0.00	151.33	135.87	0.05
(0.9 - 0.2Sds) * DL + E ELFM	2.57	0.00	48.41	0.00	0.00	317.31	104.50	0.05
(0.9 - 0.2Sds) * DL + E EMAM	2.10	0.00	48.41	0.00	0.00	149.05	135.87	0.05
1.0D + 1.0W	10.47	0.00	58.84	0.00	0.00	1196.15	104.50	0.18

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors			Upper Termination Connectors				Lower Termination Connectors				Max Member		
			VQ/I (lb/in)	Applied (kips)	phiVn (kips)	MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	Pu (kip)	phiPn (kip)	Ratio
0.00	104.	(4) SOL-#20 All Thre	332.9	10.0	16.8	146.7	12.0	13	24	0.0	12.0	0	0	248.6	330.5	0.752

Base/Flange Plate	Plate Type	Baseplate
	Pole Diameter	52.75 in
	Pole Thickness	0.4375 in
	Plate Diameter	68 in
	Plate Thickness	2 in
	Plate Fy	60 ksi
	Weld Length	0.3125 in
	ϕ_s Resistance	1868.57 k-in
	Applied	516.93 k-in
Stiffeners	#	16 Show
	Thickness	0.75 in
	Length	6 in
	Height	15 in
	Chamfer	1 in
	Offset Angle	45°
	Fy	36 ksi

Bolts	#	16
	Bolt Circle (R)adial / (S)quare	R
	Diameter	2.25 in
	Hole Diameter	2.625 in
	Type	A615-75
	Fy	75 ksi
	Fu	100 ksi
	ϕ_s Resistance	259.82 k
	Applied	172.31 k
Reinforcement	#	4
	DYW. Circle	59.625 in
	Offset Angle	16°
	Type	#20
	Diameter	2.5 in
	Fu	100 ksi
ϕ_s Resistance	392.70 k	
Applied	238.26 k	
Extra Bolts O	#	0

Code Rev. **G**

Date **2/6/2017**
 Engineer **AT**
 Site # **302506**
 Carrier **AT&T**

Moment **4704.4 k-ft**
 Axial **70.6 k**

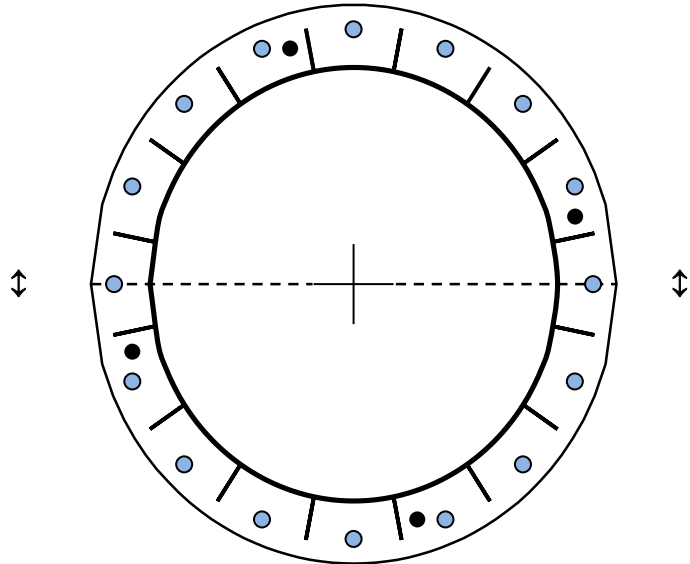


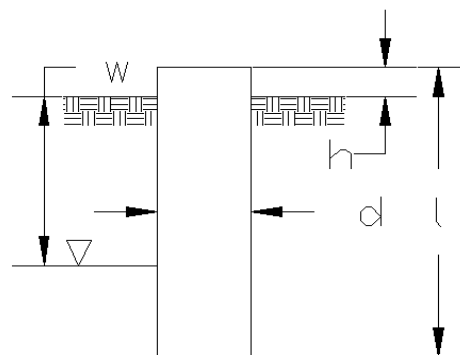
Plate Stress Ratio:
0.28 (Pass)

Bolt Stress Ratio:
0.66 (Pass)

Reinforcement Stress Ratio:
0.61 (Pass)

Site Name: Winchester CT3
 Site Number: 302506
 Engineer: AT
 Engineering Number: OAA692405
 Date: 02/06/17

Program Last Updated: 5/13/2014
 American Tower Corporation



Design Base Loads (Factored) - Analysis per TIA-222-G Standards

Analyze or Design a Foundation? Analyze
 Foundation Mapped: N
 Moment (M): 4704.4 k-ft
 Shear/Leg (V): 41.4 k
 Axial Load (P): 70.6 k
 Uplift/Leg (U): 0.0 k
 Tower Type (GT / SST / MP): MP

Diameter of Caisson (d): 7.0 ft
 Caisson Embedment (L-h): 17.5 ft
 Caisson Height Above Ground (h): 0.5 ft
 Depth Below Ground Surface to Water Table (w): 99.0 ft
 Unit Weight of Concrete: 150.0 pcf
 Unit Weight of Water: 62.4 pcf
 Tension Skin Friction/Compression Skin Friction: 1.00
 Pullout Angle: 35.0 degrees

Engineer Notes

Soil Mechanical Properties

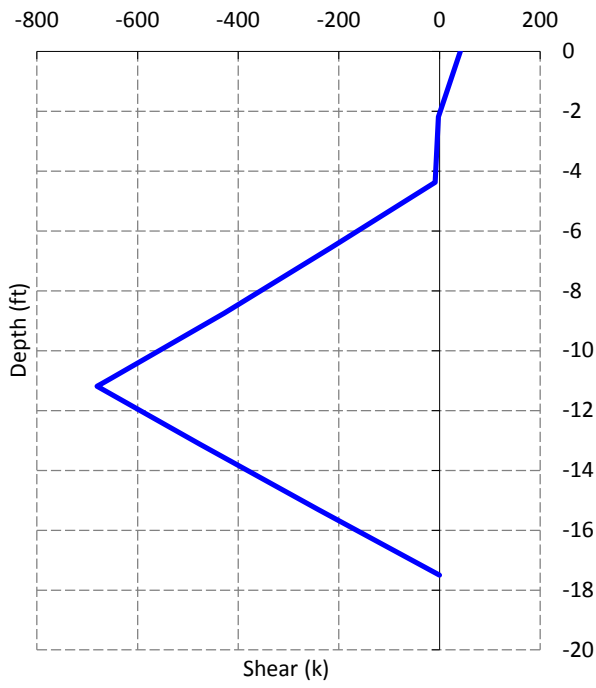
Depth (ft)		γ_{Soil}	Cohesion	ϕ	Ultimate Skin	Ultimate Bearing
Top	Bottom	(pcf)	(psf)	(degree)	Friction (psf)	Pressure (psf)
0.0	2.5	115	0	0	0	0
2.5	7.5	125	4300		2100	0
7.5	18.5	130	4500		2100	40715

Required Embedment: 14.7 ft - OK, Caisson Embedment Satisfactory
 Volume of Concrete: 692.7 ft³ = 25.7 yd³
 Weight of Concrete (Buoyancy Effect Considered): 103.9 k
 Average Soil Unit Weight: 126.4 pcf
 Skin Friction Resistance: 692.7 k
 Compressive Bearing Resistance: 1566.9 k
 Pullout Weight (Minus Concrete Weight): 646.0 k
 Nominal Uplift Capacity per Leg ($\phi_s T_n$): 484.5 k
 Nominal Compressive Capacity per Leg ($\phi_s P_n$): 1694.7 k
 P_u : 89.6 k
 $T_u / \phi_s T_n$: 0.00 Result: OK
 $P_u / \phi_s P_n$: 0.05 Result: OK
 Total Lateral Resistance: 3114.9 k
 Inflection Point (Below Ground Surface): 11.2 ft
 Design Overturning Moment At Inflection Point (M_D): 5188.6 k-ft
 Nominal Moment Capacity ($\phi_s M_n$): 7693.9 k-ft
 $M_D / \phi_s M_n$: 0.67 Result: OK
 ϕ_s : 0.75

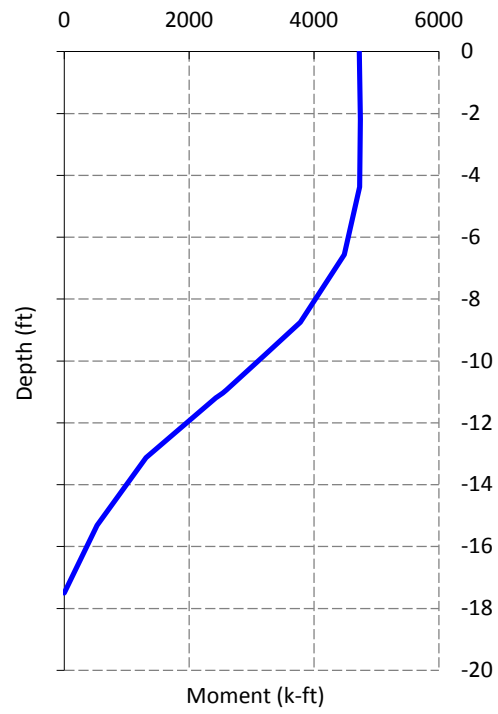
Caisson Strength Capacity

Concrete Compressive Strength (f'_c):	4000 psi
Vertical Steel Rebar Size #:	11
Vertical Steel Rebar Area:	1.56 in ²
# of Vertical Steel Rebars:	42
Vertical Steel Rebar Yield Strength (F_y):	60 ksi
Horizontal Tie / Stirrup Size #:	5
Horizontal Tie / Stirrup Area:	0.31 in ²
Design Horizontal Tie / Stirrup Spacing:	12.0 in
Horizontal Tie / Stirrup Steel Yield Strength (F_y):	60 ksi
Rebar Cage Diameter:	76.0 in
Strength Bending/Tension Reduction Factor (ϕ_B):	0.90 ACI318-05 - 9.3.2.1
Strength Shear Reduction Factor (ϕ_V):	0.75 ACI318-05 - 9.3.2.3
Strength Compression Reduction Factor (ϕ_P):	0.65 ACI318-05 - 9.3.2.2
Steel Elastic Modulus:	29000 ksi
Design Moment (M_u):	4742.6 k-ft
Nominal Moment Capacity ($\phi_B M_n$):	10956.3 k-ft - ACI318-005 - 10.2
$M_u / \phi_B M_n$:	0.43 Result: OK
Design Shear (V_u):	680.5 k
Nominal Shear Capacity ($\phi_V V_n$):	685.3 k - ACI318-05 - 11.3.1.1 or 11.5.7.2
$V_u / \phi_V V_n$:	0.99 Result: OK
Design Tension (T_u):	0.0 k
Nominal Tension Capacity ($\phi_T T_n$):	3538.1 k - ACI318-05 - 10.2
$T_u / \phi_T T_n$:	0.00 Result: OK
Design Compression (P_u):	89.6 k
Nominal Compression Capacity ($\phi_P P_n$):	9682.0 k - ACI318-05 - 10.3.6.2
$P_u / \phi_P P_n$:	0.01 Result: OK
Bending Reinforcement Ratio:	0.012 ACI318-05 - 10.8.4 & 10.9.1
$M_u / \phi_B M_n + T_u / \phi_T T_n$:	0.43 Result: OK

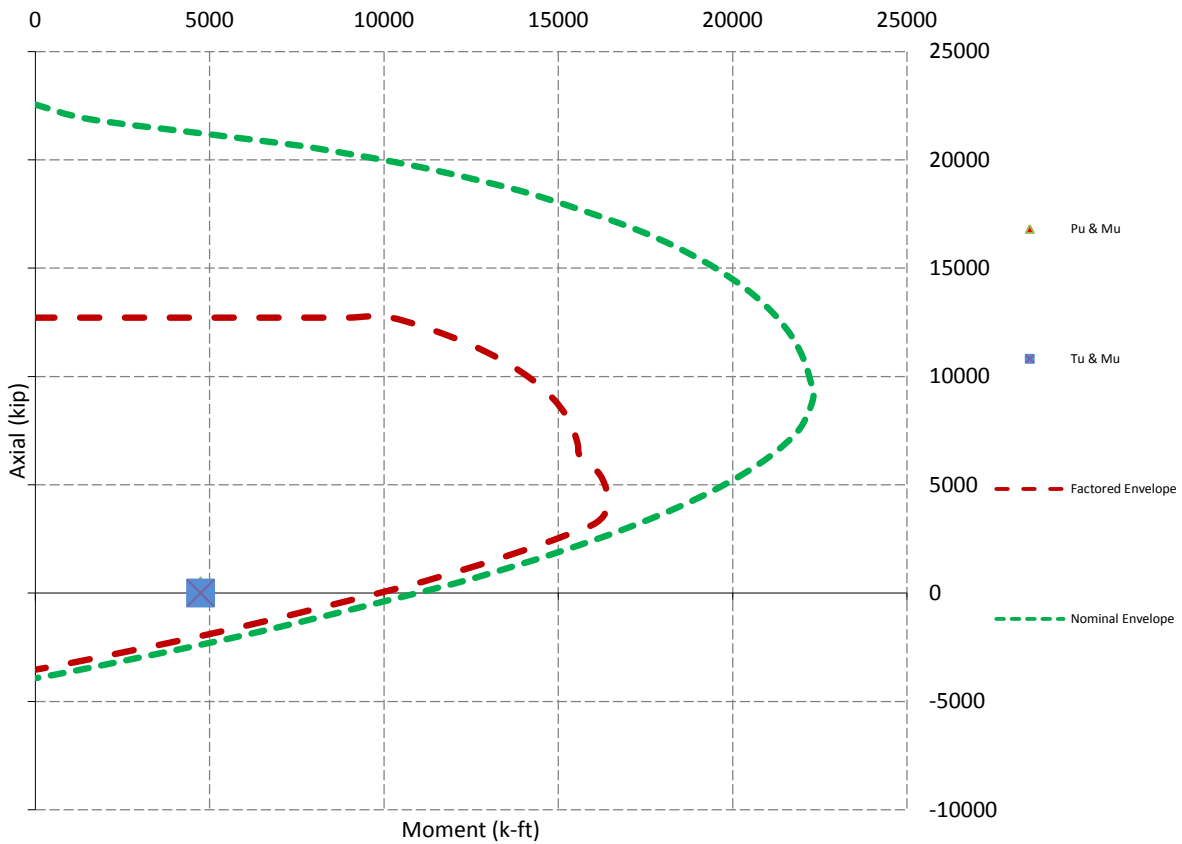
Design Factored Shear / Depth



Design Factored Moment / Depth



Nominal and Factored Moment Capacity and Factored Design Loads

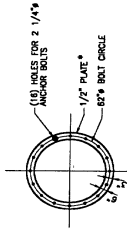


GENERAL TOWER FOUNDATION NOTES

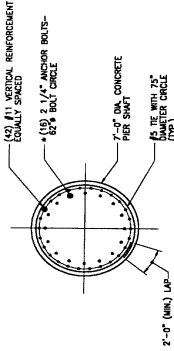
- FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT PROVIDED BY DR. WELT, P.E., P.O. BOX 12848, WASHINGTON, D.C. 20004.
- GEOTECHNICAL AND CONSTRUCTION INSPECTION IS REQUIRED. GEOTECHNICAL INSPECTION SHALL BE CONDUCTED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY UPON ANY DISCREPANCY.
- REINFORCING STEEL SHALL CONFORM TO ASTM A618-57 WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI. ALL REINFORCING STEEL SHALL BE ASSURED USING STEEL WHICH IS FREE OF SULFUR AND PHOSPHORUS.
- CONCRETE MIX DESIGN AND CONSTRUCTION PROCEDURE SHALL BE IN COMPLIANCE WITH ACI 318-92.
- CONCRETE SHALL BE AIR ENTRAINED TO (6% TO 8%) AND SLUMP OF 3" TO 5" AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- FOUNDATION INSTALLER MUST VERIFY ANCHOR BOLT LENGTH, QUANTITY AND POSITION PRIOR TO CONCRETE PLACEMENT.
- FOUNDATION IS DESIGNED IN ACCORDANCE WITH ACI 318-92 AND EN-1992-1-1.
- FOUNDATION DRAWINGS FOR ALL MATERIALS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- ALL SURFACES MUST BE FREE OF FRESH WATER PRIOR TO PLACING CONCRETE OR SUBMIT AN APPROVED METHOD TO THE ENGINEER FOR REVIEW, PRIOR TO CONSTRUCTION.
- THE FOLLOWING STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE WORK SHOWN HEREON UNLESS SUPERSEDED BY LOCAL (OWN) REGULATIONS:
 - STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR BRIDGES, BRACKES AND INFRASTRUCTURE CONSTRUCTION FOR BAY AREA.
 - CONCRETE CURING USE FOR SOIL EROSION AND SEDIMENTATION CONTROL, AS PUBLISHED BY THE NATIONAL CENTER OF SOIL AND WATER CONSERVATION, JANUARY 1985 (REVISED 1990).
 - CONCRETE CURING USE FOR SOIL EROSION AND SEDIMENTATION CONTROL, AS PUBLISHED BY THE NATIONAL CENTER OF SOIL AND WATER CONSERVATION, JANUARY 1985 (REVISED 1990).
- CONCRETE CURING USE FOR SOIL EROSION AND SEDIMENTATION CONTROL, AS PUBLISHED BY THE NATIONAL CENTER OF SOIL AND WATER CONSERVATION, JANUARY 1985 (REVISED 1990).

QUANTITY LOADING (UNFACTORED)	
WIND, 90-11	1377.9
WIND, 90-11	25.3
WIND, 90-11	34.3

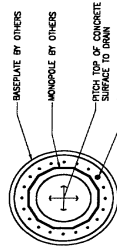
NOTE: ALL DIMENSIONS ARE PROVIDED BY ENGINEER UNLESS OTHERWISE NOTED. MONOPOLE SHALL BE INSTALLED WITH SIX (6) CARRIERS AND A DESIGN WIND SPEED OF 80 MPH.



4 ANCHOR & TEMPLATE PLATE DETAIL *
SCALE: 1/4" = 1'-0"



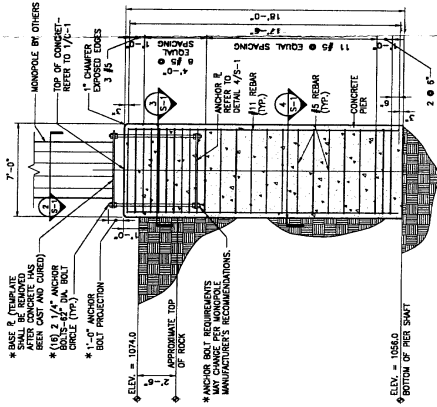
3 ANCHOR BOLTS AND DOWELS PLAN DETAIL *
SCALE: 1/4" = 1'-0"



2 ANCHOR BOLT LAYOUT PLAN DETAIL *
SCALE: 1/4" = 1'-0"

NOTE:
*ANCHOR BOLTS SHALL BE PROVIDED BY THE MANUFACTURER AND INSTALLED IN ACCORDANCE TO THE MONOPOLE MANUFACTURER'S RECOMMENDATIONS. USE TEMPLATE PROVIDED BY MONOPOLE MANUFACTURER.

*ANCHOR BOLT PROJECTION AS PER RECOMMENDED BY MONOPOLE MANUFACTURER.



1 TOWER FOUNDATION DETAIL *
SCALE: 1/4" = 1'-0"



ME: TMH
SNET
500 BATTLE CREEK DRIVE
ROCKY HILL, CONNECTICUT
1-800-928-8882

AME SEAL

PROJECT NO: F301B04.10/704

DRAWN BY: CRS

CHECKED BY:

ISSUED FOR
10-23-00 00000000.F

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH IS SPECIFICALLY AUTHORIZED IS STRICTLY PROHIBITED.

WHALENS HILL
TOWER SITE #1071

00000000.AVE
WINDREBUILT

SCALE: AS NOTED

DATE: 08-23-00

DRAWING 1 OF 1

MONOPOLE
FOUNDATION
AND NOTES

SNET

DR. CLARENCE WELTI, P.E., P.C.

GEOTECHNICAL ENGINEERING

227 Williams Street • P.O. Box 397

Glastonbury, CT 06033

(860) 633-4523 / FAX (860) 657-2514

February 8, 2000

URS Greiner Woodward Clyde, Inc.
500 Enterprise Drive
P.O. Box 4002
Rocky Hill, CT 06067-4002

Post-It® Fax Note	7671	Date	2/12/00	# of pages	▶
To	CHRIS STEINHAUER				
From					
Co./Dept.					
Co.					
Phone #					
Phone #					
Fax #	529-3991				
Fax #					

Attn: Ms. Alitz Abadjian

**Re: Geotechnical Study for Proposed Snet Communications Tower on Whalen's Hill
Winchester, CT**

Dear Ms. Abadjian:

1.0 Herewith is the data from the Test Boring taken at the above referenced site. One boring was drilled at the proposed tower location. Bedrock was encountered at 2.5 feet below the existing ground surface. The boring was cored 5 feet into the rock. There are rock cut faces within the parcel to the north, east and west of the parcel. The proposed tower appears to be within this area of rock cut. *Borings were drilled by Clarence Welti Associates, Inc. and sampling was conducted by this firm solely to obtain indications of subsurface conditions as part of a geotechnical exploration program. No services were performed to evaluate subsurface environmental conditions.*

2.0 The **Bedrock** is a medium grained Gneiss. The main foliation planes are at about 70 degrees.

2.1 The **Ground Water Table** was not encountered above the bedrock.

3.0 The **Subject Project** includes a new monopole tower, 180 feet in height, and an equipment building.

4.0 Regarding seismic assessment the foundation will be on bedrock and will not be subjected to soil liquefaction. The site coefficient should be $S_1 = 1.0$. This will apply to the building and to the tower foundation.

4.1 In general the criteria for tower support is that the foundation capacity would exceed the loads, which might collapse the tower. Movements from strains in the soils should be limited

to differential settlement (or lateral movements of less than 1/4").

5.0 The pole foundations will be on bedrock, which is within three feet of the ground surface. The foundation system for the proposed tower would be as follows:

- 1. A large mat, placed sufficiently deep to prevent overturning by gravity resistance of the pad. This may either require rock removal or construction above grade.
- 2. A mat with anchorage into the bedrock to provide the required resistance to overturning.

5.11 In alternate (1) the mat would provide the required weight for resistance to over turning. The allowable loading on the bedrock would be 6 Tons/sf.

5.12 Regarding alternate (2) the same criteria for loading will apply. The resistance to uplift and overturning would be provide by rock anchors tied into the foundations. The allowable bond ~~between the cement grout and the bedrock would be 75 psi, starting from 4 feet into the bedrock.~~ The minimum anchor depth shall be 10 feet. The recommended angle of pull-out value for stability analysis is 30 degrees from vertical. The weight of the rock is 165 pcf.

6.0 The Criteria for the Building Structure are generally as follows:

- 1. The structural frame shall be subject to settlement less than a maximum of 3/4" and differentially less than 1/2 the maximum subsidence.
- 2. The foundation must address the seismic requirement of the building code.
- 3. The slab on grade (or supported slab) shall not subside more than 1/2" in excess of the structural frame.

6.1 Regarding the building foundations the allowable loading on the weathered rock or sound rock can be 6 Tons/sf. Regarding frost the foundation could be pinned to the rock to avoid the required ~~4.0 feet (minimum) of frost protection cover.~~ The upper 1 to 2 feet of rock can probably be excavated without explosives, but explosives may be more economical for extensive rock excavation.

6.2 Regarding backfill of walls and at least 18" under slabs on grade, the material shall meet the following gradation:

Percent Passing	Sieve size
-----------------	------------

100	3.5"
50 - 100	3/4"
25 - 75	No. 4

The fraction, passing the No. 4 sieve, shall have less than 10%, passing the No. 200 sieve. All backfill and fill must be placed and compacted to at least 95% of modified optimum density (ASTM 1557-D).

A vapor barrier is required below the slab on grade

6.2 Backfill to the top of the mat (tower foundation) should be either 3/8" stone or material conforming to the above gradation and compaction requirements. The 3/8" stone could be placed in layers up to 2 feet thick. The stone should be compacted with at least 4 passes of a compactor weighing at least 750 lbs.

7.0 This report has been prepared for specific application to the subject project in accordance with generally accepted soil and foundation engineering practices. No other warranty, express or implied, is made. In the event that any changes in the nature, design and location of structures are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing.

The analyses and recommendations submitted in this report are based in part upon data obtained from referenced explorations. The extent of variations between explorations may not become evident until construction. If variations then appear evident, it will be necessary to re-evaluate the recommendations of this report.

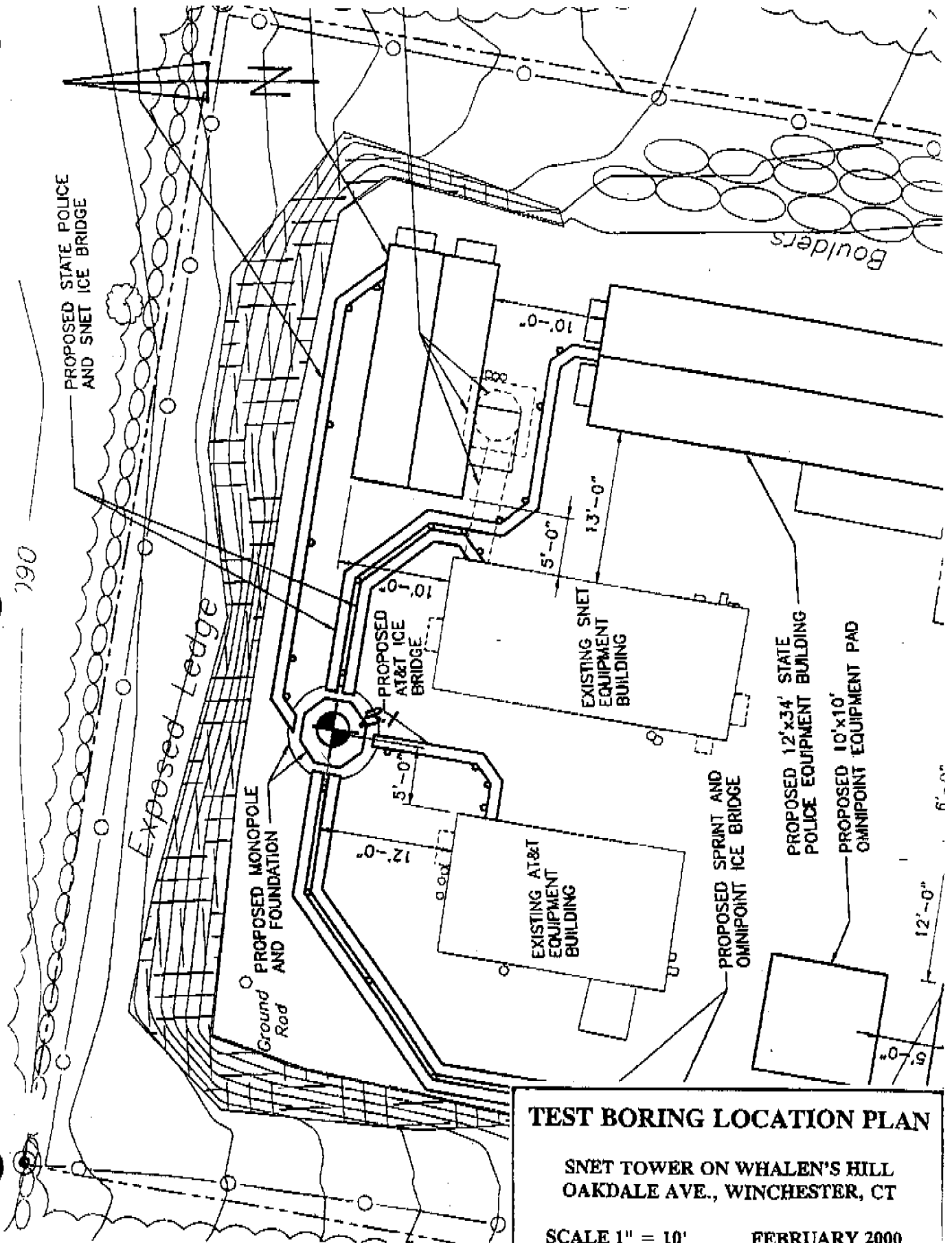
Dr. Clarence Welti, P.E., P.C., should perform a general review of the final design and specifications in order that geotechnical design recommendations may be properly interpreted and implemented as they were intended.

If you have any questions please call me.

Very truly yours



Clarence Welti Ph.D., P. E.
President, Dr. Clarence Welti P.E.; P.C.



TEST BORING LOCATION PLAN

**SNET TOWER ON WHALEN'S HILL
OAKDALE AVE., WINCHESTER, CT**

SCALE 1" = 10'

FEBRUARY 2000

108 OAKDALE AVE

Location 108 OAKDALE AVE

Mblu 028/ 151/ 002-1/ /

Acct# 103466

Owner STOW WILLIAM P
REVOCABLE TRUST

Assessment \$90,650

Appraisal \$129,500

PID 4991

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2012	\$19,900	\$109,600	\$129,500

Assessment			
Valuation Year	Improvements	Land	Total
2012	\$13,930	\$76,720	\$90,650

Owner of Record

Owner STOW WILLIAM P REVOCABLE TRUST
Co-Owner C/O AMERICAN TOWER #302506

Sale Price \$0
Certificate
Book & Page 411/ 779
Sale Date 03/12/2013
Instrument 29

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
STOW WILLIAM P REVOCABLE TRUST	\$0		411/ 779	29	03/12/2013
STOW WILLIAM P & RICHARD D	\$0		00260/0171		11/16/1995

Building Information

Building 1 : Section 1

Year Built: 2004
Living Area: 360
Replacement Cost
Less Depreciation: \$13,700

Building Photo

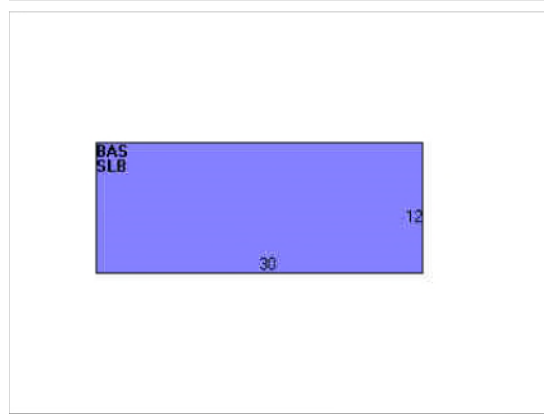
Building Attributes	
Field	Description
STYLE	Warehse Prefab
MODEL	Ind/Comm

Stories:	1
Occupancy	1
Exterior Wall 1	Pre-cast Concr
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Metal/Tin
Interior Wall 1	Minimum
Interior Wall 2	
Interior Floor 1	Concrete Slab
Interior Floor 2	
Heating Fuel	Gas/Oil
Heating Type	Hot Air-no Duc
AC Type	None
Bldg Use	Tele Tower
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	NONE
Ceiling/Wall	NONE
Rooms/Prtns	LIGHT
Wall Height	12



(<http://images.vgsi.com/photos/WinchesterCTPhotos/01\00\49\10.jpg>)

Building Layout



Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	360	360
SLB	Slab	360	0
		720	360

Extra Features

Extra Features		Legend
No Data for Extra Features		

Land

Land Use

Use Code	4310
Description	Tele Tower
Zone	RU-2
Alt Land Appr Category	No

Land Line Valuation

Size (Acres)	3.39
Depth	
Assessed Value	\$76,720
Appraised Value	\$109,600

Outbuildings

Outbuildings						<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD8	Shd Com Mas			252 S.F.	\$6,200	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2011	\$15,900	\$114,300	\$130,200

Assessment			
Valuation Year	Improvements	Land	Total
2011	\$11,130	\$80,010	\$91,140

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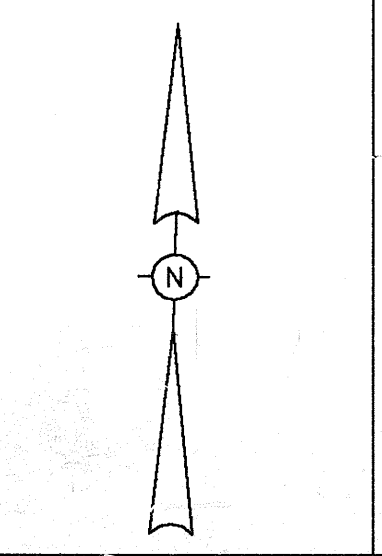
REVISIONS	
DATE	MADE BY CHANGES/ADDITIONS
8-89	A. S. SURVEY 1285, 1305
11-05	DLS 1882
11-07	DLS 1896, 1936, 1937, 1985

REVISIONS	
DATE	MADE BY CHANGES/ADDITIONS

TOWN LINE
 BLOCK LINE
 LOT LINE
 DENOTES COMMON OWNER
 TAX MAP BLOCK NUMBER
 TAX MAP LOT NUMBER
 CALC. ACREAGE
 RECORD ACREAGE
 SCALED DIMENSION
 RECORD DIMENSION

ROAD
 TRAIL
 RAILROAD
 GUARDRAIL
 FENCE
 RETAINING WALL
 STONE WALL
 WALL
 STREAM, RIVER
 LAKE, POND
 CULVERT
 BRIDGE

HIGH VOLTAGE TRANSMISSION LINE
 WOODED AREA TREES
 BUILDINGS
 WETLANDS
 SURVEY NO. S-0000



107	108
111	112
116	117

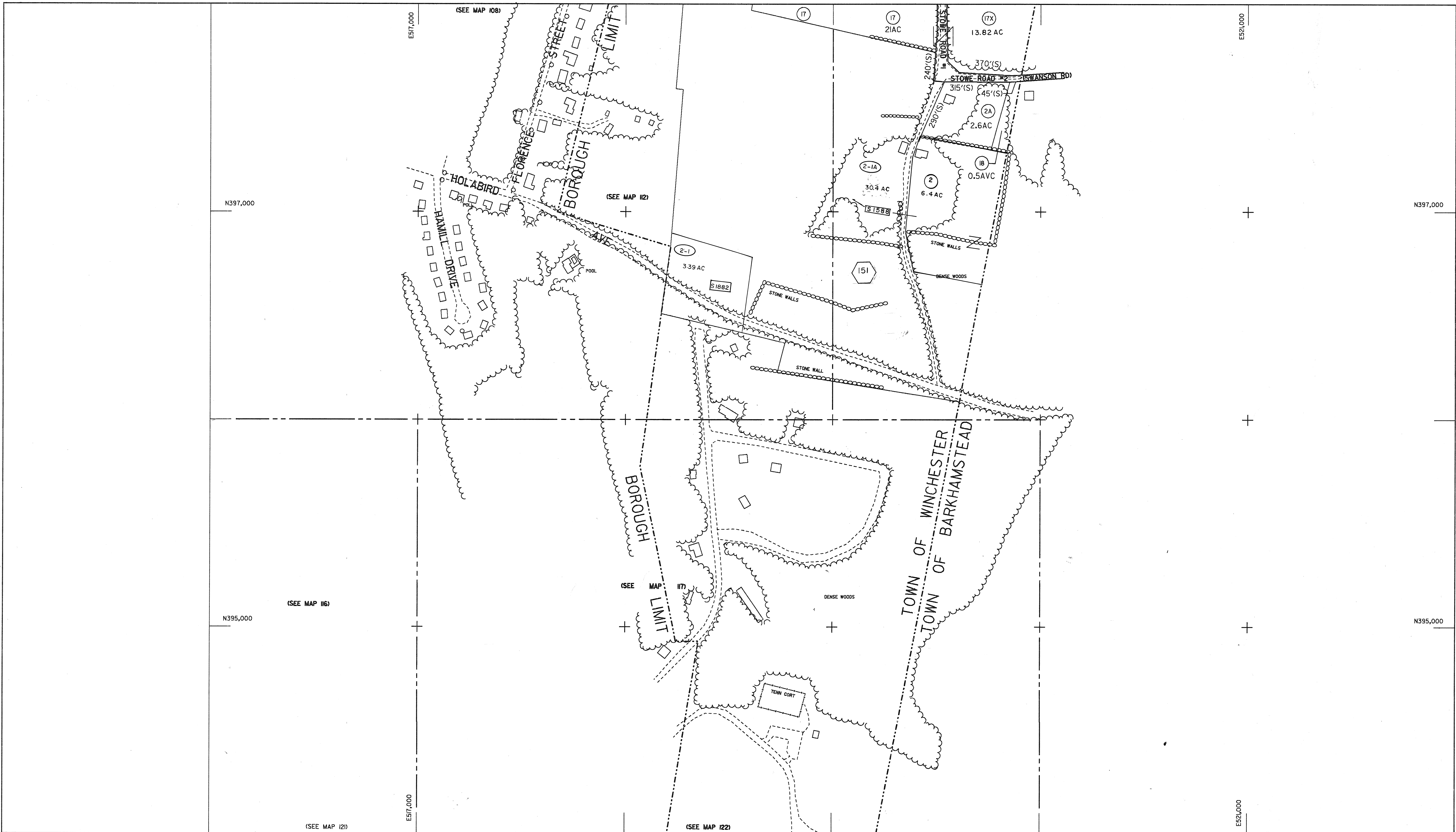
INDEX SHEET

MAP NO. 112

TAX MAP
 TOWN OF WINCHESTER
 LITCHFIELD COUNTY, CONNECTICUT

GRAPHIC SCALE
 MAP DATE: 9/86

PREPARED FOR TAX PURPOSES ONLY, NOT TO BE USED FOR CONVEYANCES



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 73 OAK RIDGE ROAD-DAK RIDGE,N.J. 07438

REVISIONS		
DATE	MADE BY	CHANGES/ADDITIONS
8-05	DLS	1882

REVISIONS		
DATE	MADE BY	CHANGES/ADDITIONS

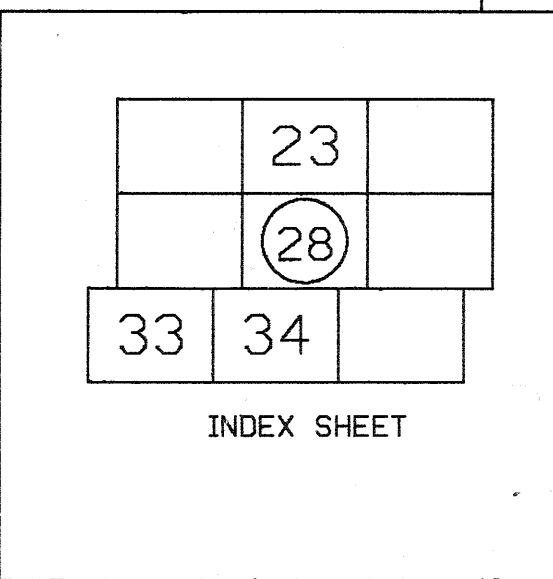
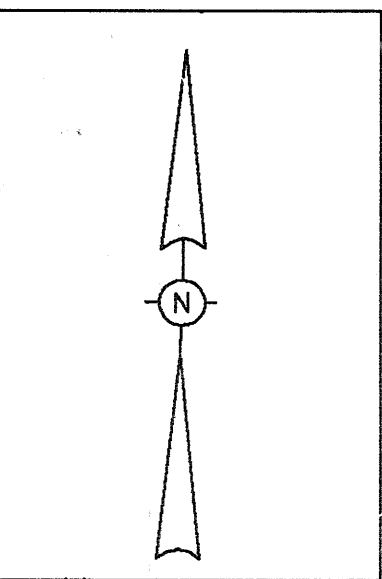
LEGEND

TOWN LINE
 BLOCK LINE
 LOT LINE
 DENOTES COMMON OWNER
 TAX MAP BLOCK NUMBER
 TAX MAP LOT NUMBER
 CALC. ACREAGE
 RECORD ACREAGE
 SCALED DIMENSION
 RECORD DIMENSION

75 AC. (C)
 18.2 AC.
 100' (S)
 142.52'

ROAD
 TRAIL
 RAILROAD
 GUARDRAIL
 FENCE
 RETAINING WALL
 STONE WALL
 WALL
 STREAM, RIVER
 LAKE, POND
 CULVERT
 BRIDGE

HIGH VOLTAGE TRANSMISSION LINE
 WOODED AREA TREES
 BUILDINGS
 WETLANDS



MAP NO. 28

TAX MAP
 TOWN OF WINCHESTER
 LITCHFIELD COUNTY, CONNECTICUT

GRAPHIC SCALE
 MAP DATE: 7/86

PREPARED FOR TAX PURPOSES ONLY, NOT TO BE USED FOR CONVEYANCES