



CRAIG CODY

16 Chestnut Street, Suite 420
Foxboro, MA 02035
Tel (781) 831-1281
Fax (774) 215-5423

Melanie Bachman
Executive Director
Connecticut Siting Counsel
10 Franklin Square
New Britain, CT 06051

Re: Notice of Exempt Modification – 185 (181-1) Research Drive, Milford, CT

Dear Ms. Bachman:

Please accept this letter as notification pursuant to R.C.S.A Section 16-50j-73, for construction that constitutes modification pursuant to R.C.S.A Section 16-50j-72(b) and 16-50j-73. In accordance with R.C.S.A Section 16-50j-73, a copy of this submission is being sent to the Chief Elected Official, Benjamin G. Blake Mayor, City of Milford. A copy of this submission is also being sent to American Tower, the property owner on which the tower is located and the tower owner.

T-Mobile Northeast LLC's Proposed Wireless Modifications

T-Mobile as successor in interest to Omnipoint Communications achieved an initial approval from the Siting Council to install antennas as well as related ground equipment and currently maintains this equipment. The facility consists of a One Hundred and Eighty-Five foot (185') high communications tower within a fenced in compound. T-Mobile now intends to modify the facility as shown on the enclosed plans prepared by Infinigy Engineering and annexed hereto in Exhibit 1. The modifications will consist of adding three (3) new antennas at the existing AGL of One Hundred and Forty-Five feet (145'). A structural analysis has been completed for the site and attached as Exhibit 3.

This facility was not originally approved by the Connecticut Siting Council, when speaking with the City of Milford Planning and Zoning office it was determined the original approval was completed on December 3rd 1993 with no conditions noted.

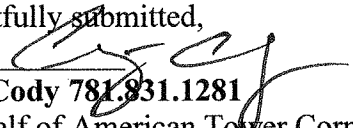
T-Mobile's Proposed Wireless Modifications Constitutes An "Exempt Modification"

The proposed modification to the above mentioned Facility constitutes an exempt modification of an existing facility provided for in R.C.S.A Section 16-50j-72(b)(2) and Council regulations promulgated pursuant thereto.

- 1) The proposed modification will not result in an increase in the height of the existing tower.
- 2) The modifications will remain entirely within the limits of the leased area. The modifications therefor, will not require the extension of the boundary.
- 3) The proposed modification does not increase the noise levels at the boundary by six(6) decibels or more under normal conditions.
- 4) T-Mobile's proposed facility will not increase the cumulative radio frequency electromagnetic radiation power density at the Tower sites' boundary to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and MPE limits established by the Federal Communications Commission. A cumulative General Power Density table for T-Mobile's proposed modified facility is included as Exhibit 2.
- 5) The facility has received all municipal zoning approvals and building permits. (Regs., Conn. State Agencies Section 16-50j-72))

For all the foregoing reasons, T-Mobile Northeast LLC respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A Section 16-50j-72(b)(2)

Respectfully submitted,


Craig Cody 781.831.1281

On behalf of American Tower Corporation
c/o Tower Resource Management, Inc.
16 Chestnut Street, Suite 420
Foxboro, MA 02035

cc: **Benjamin Blake – Chief Elected Official of City of Milford**
American Tower Corporation
American Tower Corporation

Exhibit 1

Site Plan



Exhibit 2
Power Density Report

Frequency (MHz)	Power Density (dBm/MHz)
100	-100
101	-100
102	-100
103	-100
104	-100
105	-100
106	-100
107	-100
108	-100
109	-100
110	-100
111	-100
112	-100
113	-100
114	-100
115	-100
116	-100
117	-100
118	-100
119	-100
120	-100
121	-100
122	-100
123	-100
124	-100
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180	-100
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182	-100
183	-100
184	-100
185	-100
186	-100
187	-100
188	-100
189	-100
190	-100
191	-100
192	-100
193	-100
194	-100
195	-100
196	-100
197	-100
198	-100
199	-100
200	-100

Exhibit 3
Structural Analysis

RADIO FREQUENCY EMISSIONS ANALYSIS REPORT
EVALUATION OF HUMAN EXPOSURE POTENTIAL
TO NON-IONIZING EMISSIONS

T-Mobile Existing Facility

Site ID: CT11020D

Milford/ I-95/ X40/ QUA_1
185 Research Drive
Milford, CT 06460

November 6, 2015

EBI Project Number: 6215005556

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general public allowable limit:	5.17 %

November 6, 2015

T-Mobile USA
Attn: Jason Overbey, RF Manager
35 Griffin Road South
Bloomfield, CT 06002

Emissions Analysis for Site: **CT11020D – Milford/ I-95/ X40/ QUA_1**

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **185 Research Drive, Milford, CT**, for the purpose of determining whether the emissions from the Proposed T-Mobile Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The number of $\mu\text{W}/\text{cm}^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The general population exposure limit for the 700 MHz Band is approximately 467 $\mu\text{W}/\text{cm}^2$, and the general population exposure limit for the PCS and AWS bands is 1000 $\mu\text{W}/\text{cm}^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

CALCULATIONS

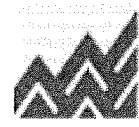
Calculations were done for the proposed T-Mobile Wireless antenna facility located at **185 Research Drive, Milford, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was focused at the base of the tower. For this report the sample point is the top of a 6 foot person standing at the base of the tower.

For all calculations, all equipment was calculated using the following assumptions:

- 1) 2 GSM / UMTS channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel
- 2) 2 UMTS channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 3) 2 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.
- 4) 1 LTE channel (700 MHz Band) was considered for each sector of the proposed installation. This channel has a transmit power of 30 Watts.
- 5) Since the radios are ground mounted there are additional cabling losses accounted for. For each RF path the following losses were calculated. 0.93 dB of additional cable loss for all 700 MHz Channels, 1.70 dB of additional cable loss for all 1900 MHz channels and 1.75 dB of additional cable loss at 700 MHz. This is based on manufacturers Specifications for 165 feet of 1-5/8” coax cable on each path.

- 6) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
- 7) For the following calculations the sample point was the top of a six foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufactures supplied specifications minus 10 dB was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 8) The antennas used in this modeling are the **Commscope SBNHH-1D65A** for 700 MHz, 1900 MHz (PCS) and 2100 MHz (AWS). This is based on feedback from the carrier with regards to anticipated antenna selection. The **Commscope SBNHH-1D65A** has a maximum gain of **14.7 dBd** at its main lobe for 700 MHz and a maximum gain of **14.7 dBd** at its main lobe for 1900 MHz and 2100 MHz. The maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 9) The antenna mounting height centerline of the proposed antennas is **145 feet** above ground level (AGL).
- 10) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

All calculations were done with respect to uncontrolled / general public threshold limits.



EBI Consulting

environmental | engineering | due diligence

T-Mobile Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	Commscope SBNHH-1D65A	Make / Model:	Commscope SBNHH-1D65A	Make / Model:	Commscope SBNHH-1D65A
Gain:	10.9 dBd / 14.7 dBd	Gain:	10.9 dBd / 14.7 dBd	Gain:	10.9 dBd / 14.7 dBd
Height (AGL):	145	Height (AGL):	145	Height (AGL):	145
Frequency Bands	700 MHz / 1900 MHz(PCS) / 2100 MHz(AWS)	Frequency Bands	700 MHz / 1900 MHz(PCS) / 2100 MHz(AWS)	Frequency Bands	700 MHz / 1900 MHz(PCS) / 2100 MHz(AWS)
Channel Count	7	Channel Count	7	# PCS Channels:	7
Total TX Power:	270	Total TX Power:	270	# AWS Channels:	270
ERP (W):	5,045.45	ERP (W):	5,045.45	ERP (W):	5,045.45
Antenna A1 MPE%	1.00	Antenna B1 MPE%	1.00	Antenna C1 MPE%	1.00

Site Composite MPE%	
Carrier	MPE%
T-Mobile (Per Sector Max)	1.00 %
AT&T	0.44 %
Computer Hospital	0.01 %
MetroPCS	0.40 %
Sprint	0.58 %
Nextel	0.17 %
Clearwire	0.05 %
Verizon Wireless	2.52 %
Site Total MPE %:	5.17 %

T-Mobile Sector 1 Total:	1.00 %
T-Mobile Sector 2 Total:	1.00 %
T-Mobile Sector 3 Total:	1.00 %
Site Total:	5.17 %

T-Mobile_per sector	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Frequency (MHz)	Allowable MPE ($\mu\text{W}/\text{cm}^2$)	Calculated % MPE
T-Mobile 2100 MHz (AWS) LTE	2	1183.45	145	4.40	2100	1000	0.44 %
T-Mobile 1900 MHz (PCS) GSM/UMTS	2	598.57	145	2.23	1900	1000	0.22 %
T-Mobile 2100 MHz (AWS) UMTS	2	591.73	145	2.20	2100	1000	0.22 %
T-Mobile 700 MHz LTE	1	297.93	145	0.55	700	467	0.12 %
						Total:	1.00 %

Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general public exposure to RF Emissions.

The anticipated maximum composite contributions from the T-Mobile facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general public exposure to RF Emissions are shown here:

T-Mobile Sector	Power Density Value (%)
Sector 1:	1.00 %
Sector 2:	1.00 %
Sector 3 :	1.00 %
T-Mobile Per Sector Maximum:	1.00 %
Site Total:	5.17 %
Site Compliance Status:	COMPLIANT

The anticipated composite MPE value for this site assuming all carriers present is **5.17%** of the allowable FCC established general public limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government.



Scott Heffernan
RF Engineering Director

EBI Consulting
21 B Street
Burlington, MA 01803

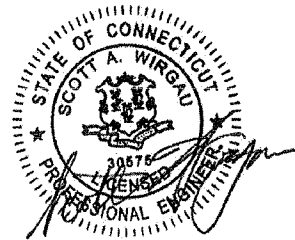


AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 183 ft Monopole
ATC Site Name : Milford CT 2, CT
ATC Site Number : 302535
Engineering Number : 64042522
Proposed Carrier : T-Mobile
Carrier Site Name : N/A
Carrier Site Number : CT11020D
Site Location : 185 Research Drive
Milford, CT 06460-7733
41.240419,-73.011900
County : New Haven
Date : November 3, 2015
Max Usage : 99%
Result : Pass

Reviewed by:
Scott Wirgau, PE
Structural Team Leader



Prepared By:
Robert D. Barrett, E.I.
Structural Engineer I

Robert D. Barrett

Nov 3 2015 5:49 PM

COA: PEC.0001553



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Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 183 ft monopole to reflect the change in loading by T-Mobile.

Supporting Documents

Tower Drawings	Summit Manufacturing Inc. Drawing #1237-D1, dated September 9, 1994
Foundation Drawing	Summit Manufacturing Inc. Drawing #1237-F1 dated October 10, 1994
Geotechnical Report	French & Parrello Project #93N035CR1, dated November 2, 1993
Modifications	ATC Job #42659834, dated January 16, 2009 ATC Job #43915332, dated September 2, 2009 ATC Job #56682734, dated April 16, 2014

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:	110 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
Code:	ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
Structure Class:	II
Exposure Category:	B
Topographic Category:	1
Crest Height:	0 ft
Spectral Response:	$S_s = 0.19, S_1 = 0.06$
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						
185.0	185.0	6	Decibel DB844H90E-XY	Platform w/ Handrails	(12) 1 5/8" Coax	Sprint Nextel	
		3	Andrew 844G65VTZASX				
	185.0	2	DragonWave Horizon Compact		(6) 5/16" Coax (2) 2" Conduit	Clearwire	
		3	NextNet BTS-2500				
		3	Argus LLPX310R				
178.0	2	DragonWave A-ANT-18G-2-C	(2) 2" Conduit (3) 1/2" Coax				
182.0	-	-	-				
175.0	175.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	Metro PCS	
167.0	167.0	2	KMW AM-X-CD-14-65-00T-RET	Platform w/ Handrails	(12) 1 1/4" Coax (2) 0.74" 8 AWG 7 (1) 0.28" RG-6	AT&T Mobility	
		1	Kathrein 800 10764				
	166.0	6	Ericsson RRUS 11 (Band 4)				LGP LGP21903
		6	Powerwave 7770.00				
		6	Powerwave LGP21401				
164.0	1	Raycap DC6-48-60-18-8F					
145.0	145.0	3	Andrew ETW200VS12UB	Sector Frames	(12) 1 5/8" Coax	T-Mobile	
		3	Andrew ETW190VS12UB				
126.0	126.0	2	RFS DB-T1-6Z-8AB-0Z	Platform w/ Handrails	(6) 1 5/8" Coax (3) 3" Coax (2) 1 5/8" Fiber	Verizon Wireless	
		3	Andrew HBXX-6516DS-A2M				
		3	Andrew LNX-4514DS-A1M				
		3	Antel BXA-80063/6CF				
		3	Andrew HBXX-6517DS-A2M				
	125.0	6	RFS FD9R6004/1C-3L				Alcatel-Lucent RRH2X60-1900A-4R
		3	Alcatel-Lucent RRH2X60-AWS				
		3	Alcatel-Lucent RRH2x40-AWS				
121.0	-	-	-	(3) 7/8" Coax			
50.0	50.0	2	Thales PCS VP/360/2 Type 8100	Stand-Off	-	T-Mobile	

Equipment to be Removed

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
145.0	145.0	3	RFS APX16DWV-16DWVS-E-A20	-	-	T-Mobile



Proposed Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
145.0	145.0	3	Kathrein Scala Smart Bias Tee	Sector Frames	(6) 1 5/8" Coax	T-Mobile
		3	Andrew SBNHH-1D65A			

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).

Install proposed coax inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts*	68%	Pass
Shaft	99%	Pass
Base Plate	60%	Pass
Reinforcement	91%	Pass

*Includes a factor of safety of 2 or greater

Foundations*

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	5,630.5	83%
Axial (Kips)	67.7	6%

*Includes a factor of safety of 2 or greater

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) (°)
185.0	DragonWave A-ANT-18G-2-C	Clearwire	3.000	1.858
145.0	Kathrein Scala Smart Bias Tee	T-Mobile	1.833	1.582
	Andrew SBNHH-1D65A			

*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.



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 183 ft Monopole
ATC Site Name : Milford CT 2, CT
ATC Site Number : 302535
Engineering Number : 64042523
Proposed Carrier : T-Mobile
Carrier Site Name : N/A
Carrier Site Number : CT11020D
Site Location : 185 Research Drive
Milford, CT 06460-7733
41.240419,-73.011900
County : New Haven
Date : November 12, 2015
Max Usage : 99%
Result : Pass

Reviewed by:
Scott Wirgau, PE
Structural Team Leader

Prepared By:
Robert D. Barrett, E.I.
Structural Engineer I

Robert D. Barrett



Nov 13 2015 3:31 PM

COA: PEC.0001553



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Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
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Structure Class:	II
Exposure Category:	B
Topographic Category:	1
Crest Height:	0 ft
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		3	Andrew 844G65VTZASX			
		2	DragonWave Horizon Compact			
		3	NextNet BTS-2500			
		3	Argus LLPX310R			
	178.0	2	DragonWave A-ANT-18G-2-C		(6) 5/16" Coax (2) 2" Conduit	
182.0	-	-	(2) 2" Conduit (3) 1/2" Coax			
175.0	175.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	Metro PCS
167.0	167.0	2	KMW AM-X-CD-14-65-00T-RET	Platform w/ Handrails	(12) 1 1/4" Coax (2) 0.74" 8 AWG 7 (1) 0.28" RG-6	AT&T Mobility
		1	Kathrein 800 10764			
	166.0	6	Ericsson RRUS 11 (Band 4)			
	165.0	6	LGP LGP21903			
		6	Powerwave 7770.00			
	164.0	6	Powerwave LGP21401			
		1	Raycap DC6-48-60-18-8F			
145.0	145.0	3	Andrew ETW200VS12UB	Sector Frames	(12) 1 5/8" Coax	T-Mobile
		3	Andrew ETW190VS12UB			
126.0	126.0	2	RFS DB-T1-6Z-8AB-0Z	Platform w/ Handrails	(6) 1 5/8" Coax (3) 3" Coax (2) 1 5/8" Fiber	Verizon Wireless
		3	Andrew HBXX-6516DS-A2M			
		3	Andrew LNX-4514DS-A1M			
		3	Antel BXA-80063/6CF			
		3	Andrew HBXX-6517DS-A2M			
	125.0	6	RFS FD9R6004/1C-3L			
	124.0	3	Alcatel-Lucent RRH2X60-1900A-4R			
		3	Alcatel-Lucent RRH2X60-AWS			
		3	Alcatel-Lucent RRH2x40-AWS			
121.0	-	-	-	(3) 7/8" Coax		
50.0	50.0	2	Thales PCS VP/360/2 Type 8100	Stand-Off	-	T-Mobile

Equipment to be Removed

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
145.0	145.0	3	RFS APX16DWV-16DWVS-E-A20	-	(12) 1 5/8" Coax	T-Mobile



Proposed Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
145.0	145.0	3	Kathrein Smart Bias Tee	Sector Frames	(6) 1 5/8" Coax	T-Mobile
		3	Andrew SBNHH-1D65A			

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).

Install proposed coax outside the pole shaft. Stacking coax is not allowed.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	68%	Pass
Shaft	99%	Pass
Base Plate	60%	Pass
Reinforcement	91%	Pass

*Includes a factor of safety of 2 or greater

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	5,630.5	83%
Axial (Kips)	67.7	6%

*Includes a factor of safety of 2 or greater

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) (°)
183.0	DragonWave A-ANT-18G-2-C	Clearwire	3.000	1.858
145.0	Kathrein Scala Smart Bias Tee	T-Mobile	1.833	1.582
	Andrew SBNHH-1D65A			

*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:

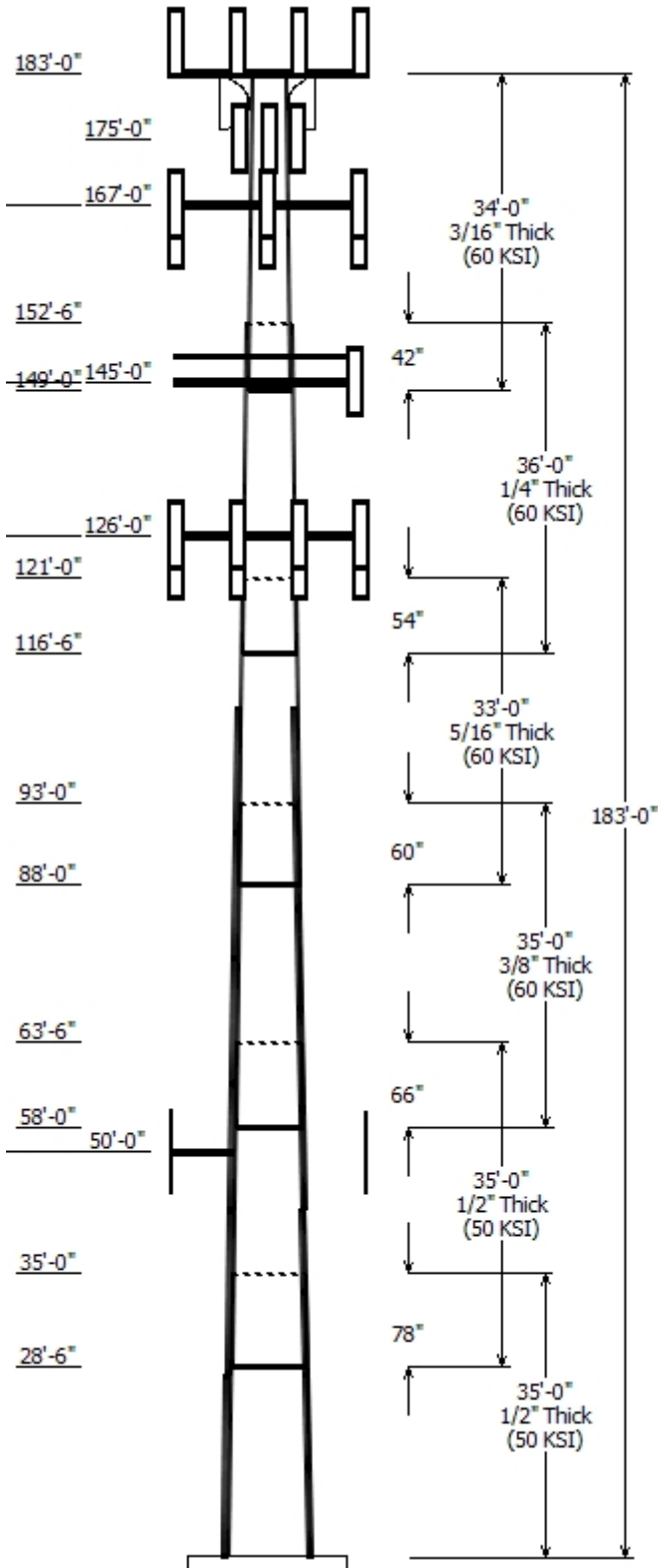
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements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

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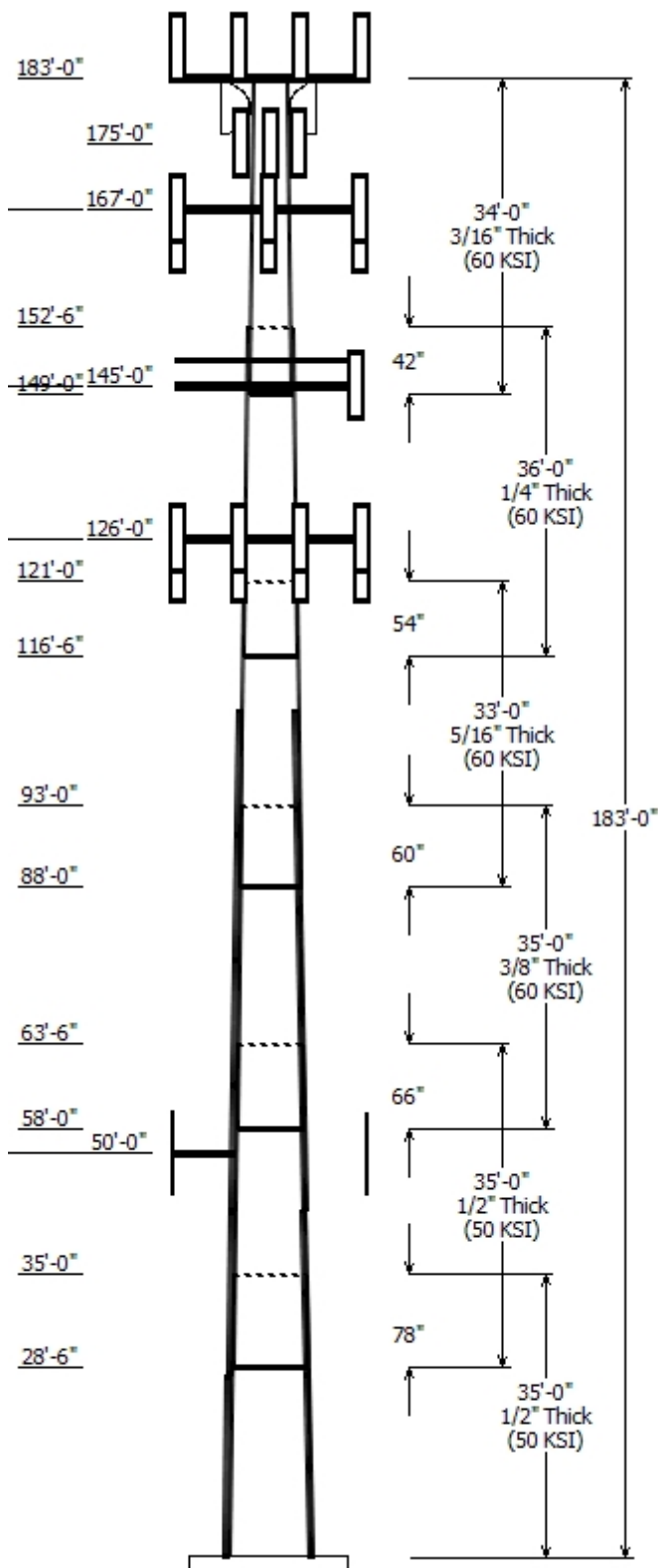


Job Information	
Pole :	302535
Code :	ANSI/TIA-222-G
Description :	183 ft Summit Monopole - Model verified 2/27/13
Client :	T- Mobile
Struct Class :	II
Location :	Milford CT 2, CT
Shape :	18 Sides
Exposure :	B
Height :	183.00 (ft)
Topo :	1
Base Elev (ft):	0.00
Taper:	0.17491(in/ft)

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap		Steel Grade (ksi)
		Across Top	Across Bottom			Length (in)	Taper (in/ft)	
1	35.000	42.49	48.62	0.500		0.000	0.174900	50
2	35.000	38.51	44.63	0.500	Slip Joint	78.000	0.174900	50
3	35.000	34.10	40.22	0.375	Slip Joint	66.000	0.174900	60
4	33.000	29.83	35.60	0.313	Slip Joint	60.000	0.174900	60
5	36.000	24.82	31.11	0.250	Slip Joint	54.000	0.174900	60
6	34.000	19.86	25.80	0.188	Slip Joint	42.000	0.174900	60

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
183.000	185.000	3	Andrew 844G65VTZASX
183.000	183.000	1	Flat Platform w/ Handrails
183.000	185.000	6	Decibel DB844H90E-XY
183.000	185.000	2	DragonWave Horizon Compact
183.000	185.000	3	Argus LLPX310R
183.000	185.000	3	NextNet BTS-2500
183.000	178.000	2	DragonWave A-ANT-18G-2-C
175.000	175.000	3	RFS APXV18-206517S-C
167.000	167.000	1	Kathrein 800 10764
167.000	164.000	1	Raycap DC6-48-60-18-8F
167.000	166.000	6	Ericsson RRUS 11 (Band 4)
167.000	167.000	2	KMW AM-X-CD-14-65-00T-RET
167.000	167.000	1	Flat Platform w/ Handrails
167.000	164.000	6	Powerwave Allgon LGP21401
167.000	165.000	6	Powerwave Allgon 7770.00
167.000	165.000	6	LGP Allgon LGP21903
145.000	145.000	3	Flat Light Sector Frame
145.000	145.000	3	Andrew SBNHH-1D65A
145.000	145.000	3	Kathrein Scala Smart Bias Tee
145.000	145.000	3	Andrew ETW190VS12UB
145.000	145.000	3	Andrew ETW200VS12UB
126.000	124.000	3	Alcatel-Lucent RRH2X60-1900A-
126.000	126.000	3	Andrew HBXX-6517DS-A2M
126.000	126.000	3	Andrew LNX-4514DS-A1M
126.000	126.000	3	Andrew HBXX-6516DS-A2M
126.000	124.000	3	Alcatel-Lucent RRH2X60-AWS
126.000	126.000	1	RFS DB-T1-6Z-8AB-0Z
126.000	126.000	1	RFS DB-T1-6Z-8AB-0Z
126.000	124.000	3	Alcatel-Lucent RRH2x40-AWS
126.000	126.000	3	Antel BXA-80063/6CF
126.000	125.000	6	RFS FD9R6004/1C-3L
126.000	126.000	1	Flat Platform w/ Handrails
50.000	50.000	1	Stand-Off
50.000	50.000	2	Thales PCS VP/360/2 Type 8100

Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
5.000	121.0	7/8" Coax	No
5.000	126.0	1 5/8" Coax	No

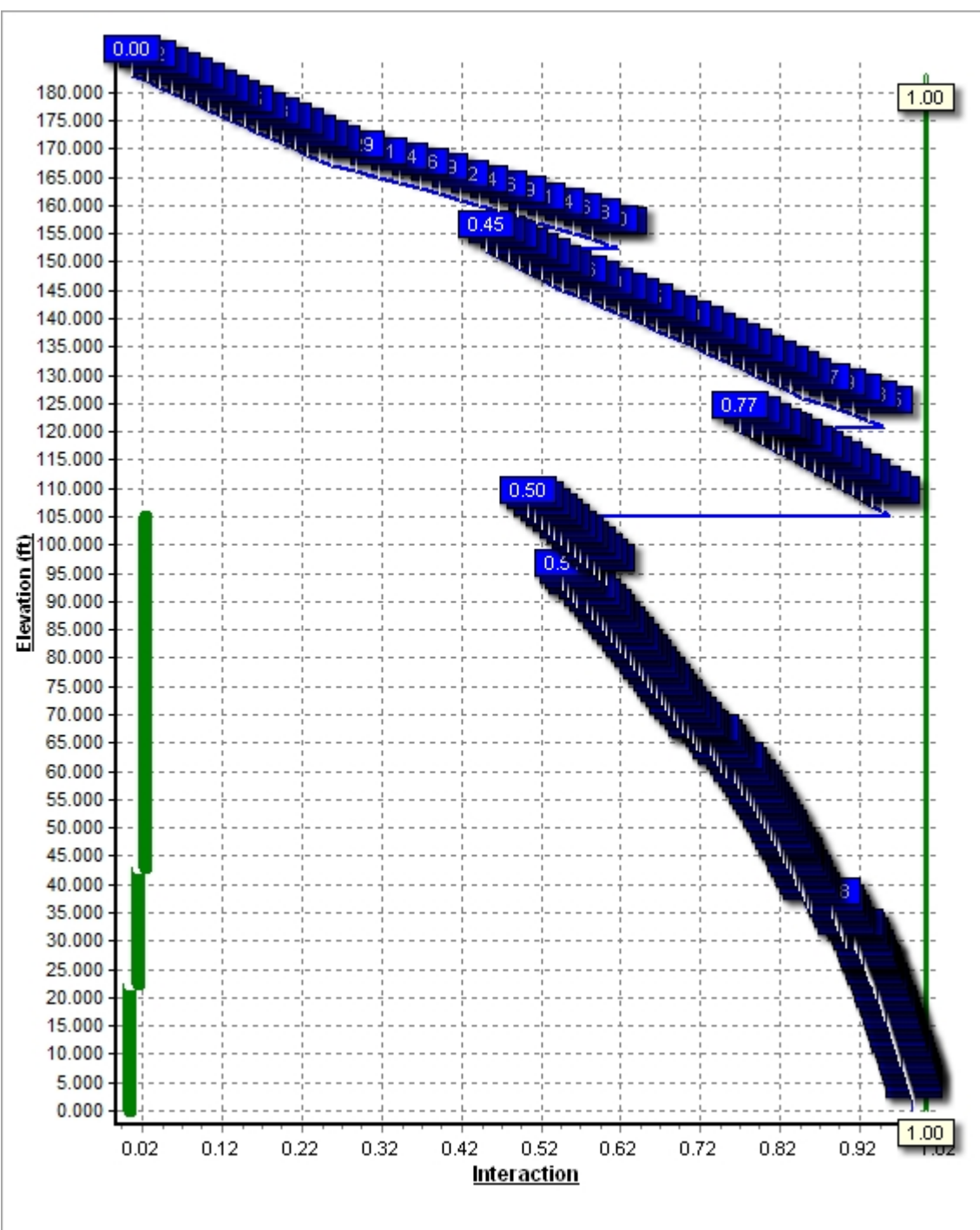


5.000	126.0	1 5/8" Fiber	No
5.000	126.0	1 5/8" Fiber	No
5.000	126.0	3" Coax	No
5.000	145.0	1 5/8" Coax	No
5.000	145.0	1 5/8" Coax	Yes
5.000	145.0	1 5/8" Coax	Yes
5.000	167.0	0.28" RG-6	No
5.000	167.0	0.74" 8 AWG 7	No
5.000	167.0	1 1/4" Coax	No
5.000	175.0	1 5/8" Coax	Yes
5.000	183.0	1 5/8" Coax	No
5.000	183.0	1/2" Coax	Yes
5.000	183.0	2" Conduit	Yes
5.000	183.0	5/16" Coax	Yes
0.000	110.7	#20 Dywidag Bars	Yes

Load Cases	
1.2D + 1.6W	110 mph with No Ice
0.9D + 1.6W	110 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 0.75 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	5630.48	46.00	67.71
0.9D + 1.6W	5413.68	44.25	50.78
1.2D + 1.0Di + 1.0Wi	1109.00	8.59	107.92
(1.2 + 0.2Sds) * DL + E ELFM	318.35	2.20	69.63
(1.2 + 0.2Sds) * DL + E EMAM	329.47	2.70	69.63
(0.9 - 0.2Sds) * DL + E ELFM	311.74	2.20	48.22
(0.9 - 0.2Sds) * DL + E EMAM	322.05	2.69	48.22
1.0D + 1.0W	1014.31	8.23	56.44

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	183.00	35.996	1.858



Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T-Mobile

Analysis Parameters

Location:	New Haven County, CT		
Code:	ANSI/TIA-222-G	Height (ft):	183
Shape:	18 Sides	Base Diameter (in):	48.62
Pole Type:	Taper	Top Diameter (in):	19.86
Pole Manufacturer:	Summit Manufacturing	Taper (in/ft):	0.175

Ice & Wind Parameters

Structure Class:	II	Design Wind Speed Without Ice:	110 mph
Exposure Category:	B	Design Wind Speed With Ice:	50 mph
Topographic Category:	1	Operational Wind Speed:	60 mph
Crest Height:	0.0 ft	Design Ice Thickness:	0.75 in

Seismic Parameters

Analysis Method:	Equivalent Modal Analysis & Equivalent Lateral Force Methods		
Site Class:	D - Stiff Soil		
Period Based on Rayleigh Method (sec):	2.84		
T _L (sec):	6	p:	1.3
S _s :	0.191	S ₁ :	0.063
F _a :	1.600	F _v :	2.400
S _{ds} :	0.204	S _{d1} :	0.101
		C _s :	0.030
		C _s Max:	0.030
		C _s Min:	0.030

Load Cases

1.2D + 1.6W	110 mph with No Ice
0.9D + 1.6W	110 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 0.75 in Radial Ice
(1.2 + 0.2Sds) * DL + E ELFM	Seismic Equivalent Lateral Forces Method
(1.2 + 0.2Sds) * DL + E EMAM	Seismic Equivalent Modal Analysis Method
(0.9 - 0.2Sds) * DL + E ELFM	Seismic (Reduced DL) Equivalent Lateral Forces Method
(0.9 - 0.2Sds) * DL + E EMAM	Seismic (Reduced DL) Equivalent Modal Analysis Method
1.0D + 1.0W	Serviceability 60 mph

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T-Mobile

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip 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	35.000	0.5000	50		0.00	8,516	48.62	0.00	76.36	22340.1	15.74	97.24	42.49	35.00	66.65	14852.2	13.58	85.00	0.174917
2-18	35.000	0.5000	50	Slip	78.00	7,763	44.63	28.50	70.04	17236.7	14.33	89.27	38.51	63.50	60.32	11012.7	12.17	77.03	0.174917
3-18	35.000	0.3750	60	Slip	66.00	5,215	40.22	58.00	47.43	9515.8	17.50	107.27	34.10	93.00	40.14	5769.4	14.62	90.94	0.174917
4-18	33.000	0.3125	60	Slip	60.00	3,609	35.60	88.00	35.00	5507.2	18.68	113.93	29.83	121.00	29.28	3222.7	15.42	95.46	0.174917
5-18	36.000	0.2500	60	Slip	54.00	2,694	31.11	116.50	24.49	2948.2	20.54	124.47	24.82	152.50	19.50	1486.9	16.10	99.28	0.174917
6-18	34.000	0.1875	60	Slip	42.00	1,559	25.80	149.00	15.25	1264.3	22.86	137.64	19.86	183.00	11.71	572.4	17.27	105.92	0.174917
Shaft Weight						29,356													

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		
183.00	Andrew 844G65VTZASX	3	16.00	5.310	0.71	175.69	6.332	0.71	0.000	2.000
183.00	Argus LLPX310R	3	28.60	4.290	0.63	139.10	5.208	0.63	0.000	2.000
183.00	Decibel DB844H90E-XY	6	14.00	3.610	0.74	127.41	3.941	0.74	0.000	2.000
183.00	DragonWave A-ANT-18G-2-C	2	27.10	4.690	1.00	126.82	5.992	1.00	0.000	-5.000
183.00	DragonWave Horizon	2	10.60	0.430	0.50	41.81	1.110	0.50	0.000	2.000
183.00	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	3,452.29	63.831	1.00	0.000	0.000
183.00	NextNet BTS-2500	3	35.00	1.820	0.50	64.90	3.116	0.50	0.000	2.000
175.00	RFS APXV18-206517S-C	3	26.40	5.170	0.68	146.40	6.429	0.68	0.000	0.000
167.00	Ericsson RRUS 11 (Band 4)	6	44.00	2.570	0.50	126.56	3.228	0.50	0.000	-1.000
167.00	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	3,439.02	63.636	1.00	0.000	0.000
167.00	Kathrein 800 10764	1	40.80	5.870	1.00	192.05	6.956	1.00	0.000	0.000
167.00	KMW AM-X-CD-14-65-00T-	2	36.40	4.990	0.49	169.38	5.986	0.49	0.000	0.000
167.00	LGP Allgon LGP21903	6	5.50	0.270	0.50	19.28	0.475	0.50	0.000	-2.000
167.00	Powerwave Allgon 7770.00	6	35.00	5.510	0.65	171.83	6.572	0.65	0.000	-2.000
167.00	Powerwave Allgon LGP21401	6	14.10	1.100	0.50	48.24	1.569	0.50	0.000	-3.000
167.00	Raycap DC6-48-60-18-8F	1	31.80	1.280	1.00	125.95	2.861	1.00	0.000	-3.000
145.00	Andrew ETW190VS12UB	3	11.00	0.760	0.50	36.66	1.016	0.50	0.000	0.000
145.00	Andrew ETW200VS12UB	3	11.00	0.470	0.50	29.22	0.373	0.50	0.000	0.000
145.00	Andrew SBNHH-1D65A	3	40.90	5.880	0.69	198.45	6.951	0.69	0.000	0.000
145.00	Flat Light Sector Frame	3	400.00	17.900	0.75	700.45	32.963	0.75	0.000	0.000
145.00	Kathrein Scala Smart Bias	3	3.30	0.090	0.50	10.06	0.244	0.50	0.000	0.000
126.00	Alcatel-Lucent RRH2x40-AWS	3	44.00	2.160	0.50	115.90	2.792	0.50	0.000	-2.000
126.00	Alcatel-Lucent RRH2X60-	3	46.00	1.870	0.50	113.43	2.448	0.50	0.000	-2.000
126.00	Alcatel-Lucent RRH2X60-	3	44.00	1.880	0.50	111.72	2.461	0.50	0.000	-2.000
126.00	Andrew HBXX-6516DS-A2M	3	30.60	5.420	0.67	171.60	6.421	0.67	0.000	0.000
126.00	Andrew HBXX-6517DS-A2M	3	43.00	8.530	0.68	216.12	11.390	0.68	0.000	0.000
126.00	Andrew LNX-4514DS-A1M	3	29.50	6.780	0.64	193.70	7.855	0.64	0.000	0.000
126.00	Antel BXA-80063/6CF	3	14.90	7.580	0.65	178.91	8.820	0.65	0.000	0.000
126.00	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	3,398.91	63.044	1.00	0.000	0.000
126.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	4.800	0.50	184.74	5.657	0.50	0.000	0.000
126.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	4.800	0.50	184.74	5.657	0.50	0.000	0.000
126.00	RFS FD9R6004/1C-3L	6	3.10	0.370	0.50	15.90	0.576	0.50	0.000	-1.000
50.00	Stand-Off	1	75.00	2.500	1.00	107.80	3.672	1.00	0.000	0.000
50.00	Thales PCS VP/360/2 Type	2	0.30	0.030	1.00	4.73	0.174	1.00	0.000	0.000
Totals		100	9551.20			22,633.19			Number of Loadings : 34	

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Diameter (in)	Coax Weight (lb/ft)	Projected Flat	Projected Width (in)	Exposed To Wind	Carrier
5.00	183.00	12	1 5/8" Coax	1.98	0.82	N	0.00	N	Sprint Nextel

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T-Mobile

5.00	183.00	3	1/2" Coax	0.63	0.15	N	0.00	Y	Clearwire Corporation
5.00	183.00	4	2" Conduit	2.38	3.65	N	2.38	Y	Clearwire Corporation
5.00	183.00	6	5/16" Coax	0.31	0.05	N	0.00	Y	Clearwire Corporation
5.00	175.00	6	1 5/8" Coax	1.98	0.82	N	1.98	Y	Metro PCS Inc
5.00	167.00	1	0.28" RG-6	0.28	0.03	N	0.00	N	AT&T Mobility
5.00	167.00	2	0.74" 8 AWG 7	0.74	0.49	N	0.00	N	AT&T Mobility
5.00	167.00	12	1 1/4" Coax	1.55	0.63	N	0.00	N	AT&T Mobility
5.00	145.00	6	1 5/8" Coax	1.98	0.82	N	0.00	N	T-Mobile
5.00	145.00	6	1 5/8" Coax	1.98	0.82	N	1.98	Y	T-Mobile
5.00	145.00	6	1 5/8" Coax	1.98	0.82	N	0.00	Y	T-Mobile
5.00	126.00	6	1 5/8" Coax	1.98	0.82	N	0.00	N	Verizon Wireless
5.00	126.00	1	1 5/8" Fiber	1.63	1.61	N	0.00	N	Verizon Wireless
5.00	126.00	1	1 5/8" Fiber	1.63	1.61	N	0.00	N	Verizon Wireless
5.00	126.00	3	3" Coax	3.02	1.78	N	0.00	N	Verizon Wireless
5.00	121.00	3	7/8" Coax	1.09	0.33	N	0.00	N	Verizon Wireless
0.00	110.78	4	#20 Dywidag Bars	2.50	0.00	N	1.82	Y	--

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	22.50	4	SOL #20 All Thread	80	2.19	6" Angle Bracket	20.0	3.31	5/8" A36 U-Bolt	No
22.50	43.00	4	SOL #20 All Thread	80	2.19	6" Angle Bracket	18.0	3.31	5/8" A36 U-Bolt	Yes
43.00	105.0	4	SOL #20 All Thread	80	2.19	6" Angle Bracket	30.0	3.31	5/8" A36 U-Bolt	Yes

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T-Mobile

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	Fy (ksi)	S (in ³)	Z (in ³)	Weight (lb)	Additional Reinforcing		
												Area (in ²)	Ix (in ⁴)	Weight (lb)
0.00		0.5000	48.620	76.363	22,340.1	15.74	97.24	63.5	905.0	0.0	0.0	19.64	7,654	0.0
1.00		0.5000	48.445	76.086	22,097.4	15.67	96.89	63.5	898.4	0.0	259.4	19.64	7,605	66.8
2.00		0.5000	48.270	75.808	21,856.4	15.61	96.54	63.5	891.8	0.0	258.4	19.64	7,557	66.8
3.00		0.5000	48.095	75.531	21,617.2	15.55	96.19	63.5	885.3	0.0	257.5	19.64	7,508	66.8
4.00		0.5000	47.920	75.253	21,379.8	15.49	95.84	63.5	878.8	0.0	256.5	19.64	7,460	66.8
5.00		0.5000	47.745	74.975	21,144.0	15.43	95.49	63.5	872.2	0.0	255.6	19.64	7,412	66.8
6.00		0.5000	47.570	74.698	20,910.1	15.37	95.14	63.5	865.8	0.0	254.7	19.64	7,364	66.8
7.00		0.5000	47.395	74.420	20,677.8	15.30	94.79	63.5	859.3	0.0	253.7	19.64	7,317	66.8
8.00		0.5000	47.220	74.143	20,447.3	15.24	94.44	63.5	852.9	0.0	252.8	19.64	7,269	66.8
9.00		0.5000	47.046	73.865	20,218.5	15.18	94.09	63.5	846.5	0.0	251.8	19.64	7,222	66.8
10.00		0.5000	46.871	73.588	19,991.4	15.12	93.74	63.5	840.1	0.0	250.9	19.64	7,175	66.8
11.00		0.5000	46.696	73.310	19,766.0	15.06	93.39	63.5	833.7	0.0	249.9	19.64	7,128	66.8
12.00		0.5000	46.521	73.032	19,542.3	15.00	93.04	63.5	827.4	0.0	249.0	19.64	7,081	66.8
13.00		0.5000	46.346	72.755	19,320.4	14.93	92.69	63.5	821.1	0.0	248.0	19.64	7,034	66.8
14.00		0.5000	46.171	72.477	19,100.1	14.87	92.34	63.5	814.8	0.0	247.1	19.64	6,987	66.8
15.00		0.5000	45.996	72.200	18,881.4	14.81	91.99	63.5	808.5	0.0	246.2	19.64	6,941	66.8
16.00		0.5000	45.821	71.922	18,664.5	14.75	91.64	63.5	802.3	0.0	245.2	19.64	6,895	66.8
17.00		0.5000	45.646	71.644	18,449.2	14.69	91.29	63.5	796.1	0.0	244.3	19.64	6,849	66.8
18.00		0.5000	45.471	71.367	18,235.6	14.63	90.94	63.5	789.9	0.0	243.3	19.64	6,803	66.8
19.00		0.5000	45.296	71.089	18,023.7	14.56	90.59	63.5	783.7	0.0	242.4	19.64	6,757	66.8
20.00		0.5000	45.121	70.812	17,813.3	14.50	90.24	63.5	777.6	0.0	241.4	19.64	6,711	66.8
21.00		0.5000	44.947	70.534	17,604.7	14.44	89.89	63.5	771.5	0.0	240.5	19.64	6,666	66.8
22.00		0.5000	44.772	70.257	17,397.6	14.38	89.54	63.5	765.4	0.0	239.5	19.64	6,620	66.8
22.50	Reinf. Top Reinf	0.5000	44.684	70.118	17,294.7	14.35	89.37	63.5	762.3	0.0	119.4	19.64	6,598	33.4
23.00		0.5000	44.597	69.979	17,192.2	14.32	89.19	63.5	759.3	0.0	119.2	19.64	6,575	33.4
24.00		0.5000	44.422	69.701	16,988.5	14.25	88.84	63.5	753.3	0.0	237.7	19.64	6,530	66.8
25.00		0.5000	44.247	69.424	16,786.3	14.19	88.49	63.5	747.2	0.0	236.7	19.64	6,485	66.8
26.00		0.5000	44.072	69.146	16,585.8	14.13	88.14	63.5	741.2	0.0	235.8	19.64	6,441	66.8
27.00		0.5000	43.897	68.869	16,386.8	14.07	87.79	63.5	735.3	0.0	234.8	19.64	6,396	66.8
28.00		0.5000	43.722	68.591	16,189.5	14.01	87.44	63.5	729.3	0.0	233.9	19.64	6,352	66.8
28.50	Bot - Section 2	0.5000	43.635	68.452	16,091.4	13.98	87.27	63.5	726.3	0.0	116.6	19.64	6,329	33.4
29.00		0.5000	43.547	68.313	15,993.7	13.95	87.09	63.5	723.4	0.0	235.4	19.64	6,562	33.4
30.00		0.5000	43.372	68.036	15,799.5	13.88	86.74	63.5	717.5	0.0	469.4	19.64	6,517	66.8
31.00		0.5000	43.197	67.758	15,606.9	13.82	86.39	63.5	711.6	0.0	467.5	19.64	6,473	66.8
32.00		0.5000	43.022	67.481	15,415.9	13.76	86.04	63.5	705.8	0.0	465.6	19.64	6,428	66.8
33.00		0.5000	42.848	67.203	15,226.4	13.70	85.70	63.5	699.9	0.0	463.7	19.64	6,383	66.8
34.00		0.5000	42.673	66.926	15,038.5	13.64	85.35	63.5	694.1	0.0	461.8	19.64	6,339	66.8
35.00	Top - Section 1	0.5000	43.498	68.235	15,938.6	13.93	87.00	63.5	721.7	0.0	459.9	19.64	6,295	66.8
36.00		0.5000	43.323	67.957	15,744.9	13.87	86.65	63.5	715.8	0.0	231.7	19.64	6,251	66.8
37.00		0.5000	43.148	67.680	15,552.7	13.81	86.30	63.5	710.0	0.0	230.8	19.64	6,207	66.8
38.00		0.5000	42.973	67.402	15,362.1	13.74	85.95	63.5	704.1	0.0	229.8	19.64	6,163	66.8
39.00		0.5000	42.798	67.125	15,173.1	13.68	85.60	63.5	698.3	0.0	228.9	19.64	6,120	66.8
40.00		0.5000	42.623	66.847	14,985.6	13.62	85.25	63.5	692.5	0.0	227.9	19.64	6,076	66.8
41.00		0.5000	42.448	66.569	14,799.7	13.56	84.90	63.5	686.7	0.0	227.0	19.64	6,033	66.8
42.00		0.5000	42.273	66.292	14,615.4	13.50	84.55	63.5	681.0	0.0	226.0	19.64	5,990	66.8
43.00	Reinf. Top Reinf	0.5000	42.098	66.014	14,432.5	13.44	84.20	63.5	675.2	0.0	225.1	19.64	5,947	66.8
44.00		0.5000	41.923	65.737	14,251.2	13.37	83.85	63.5	669.5	0.0	224.2	19.64	5,904	66.8
45.00		0.5000	41.749	65.459	14,071.5	13.31	83.50	63.5	663.9	0.0	223.2	19.64	5,861	66.8
46.00		0.5000	41.574	65.181	13,893.2	13.25	83.15	63.5	658.2	0.0	222.3	19.64	5,819	66.8
47.00		0.5000	41.399	64.904	13,716.5	13.19	82.80	63.5	652.6	0.0	221.3	19.64	5,776	66.8
48.00		0.5000	41.224	64.626	13,541.2	13.13	82.45	63.5	647.0	0.0	220.4	19.64	5,734	66.8
49.00		0.5000	41.049	64.349	13,367.5	13.07	82.10	63.5	641.4	0.0	219.4	19.64	5,692	66.8
50.00		0.5000	40.874	64.071	13,195.2	13.00	81.75	63.5	635.8	0.0	218.5	19.64	5,650	66.8
51.00		0.5000	40.699	63.794	13,024.5	12.94	81.40	63.5	630.3	0.0	217.5	19.64	5,609	66.8
52.00		0.5000	40.524	63.516	12,855.2	12.88	81.05	63.5	624.8	0.0	216.6	19.64	5,567	66.8
53.00		0.5000	40.349	63.238	12,687.4	12.82	80.70	63.5	619.3	0.0	215.7	19.64	5,526	66.8
54.00		0.5000	40.174	62.961	12,521.0	12.76	80.35	63.5	613.9	0.0	214.7	19.64	5,484	66.8
55.00		0.5000	39.999	62.683	12,356.2	12.70	80.00	63.5	608.4	0.0	213.8	19.64	5,443	66.8

56.00		0.5000	39.824	62.406	12,192.7	12.63	79.65	63.5	603.0	0.0	212.8	19.64	5,402	66.8
57.00		0.5000	39.650	62.128	12,030.8	12.57	79.30	63.5	597.6	0.0	211.9	19.64	5,361	66.8
58.00	Bot - Section 3	0.5000	39.475	61.850	11,870.2	12.51	78.95	63.5	592.3	0.0	210.9	19.64	5,321	66.8
59.00		0.5000	39.300	61.573	11,711.1	12.45	78.60	63.5	586.9	0.0	371.0	19.64	5,455	66.8
60.00		0.5000	39.125	61.295	11,553.4	12.39	78.25	63.5	581.6	0.0	369.4	19.64	5,414	66.8
61.00		0.5000	38.950	61.018	11,397.2	12.33	77.90	63.5	576.3	0.0	367.7	19.64	5,373	66.8
62.00		0.5000	38.775	60.740	11,242.4	12.26	77.55	63.5	571.1	0.0	366.1	19.64	5,332	66.8
63.00		0.5000	38.600	60.463	11,088.9	12.20	77.20	63.5	565.8	0.0	364.4	19.64	5,292	66.8
63.50	Top - Section 2	0.3750	39.263	46.284	8,843.2	17.05	104.70	75.8	443.6	0.0	181.6	19.64	5,272	33.4
64.00		0.3750	39.175	46.180	8,783.6	17.01	104.47	75.9	441.6	0.0	78.7	19.64	5,251	33.4
65.00		0.3750	39.000	45.972	8,665.4	16.93	104.00	75.9	437.6	0.0	156.8	19.64	5,211	66.8
66.00		0.3750	38.825	45.764	8,548.2	16.85	103.53	76.0	433.7	0.0	156.1	19.64	5,171	66.8
67.00		0.3750	38.650	45.556	8,432.0	16.76	103.07	76.1	429.7	0.0	155.4	19.64	5,131	66.8
68.00		0.3750	38.475	45.347	8,317.0	16.68	102.60	76.2	425.8	0.0	154.7	19.64	5,092	66.8
69.00		0.3750	38.300	45.139	8,202.9	16.60	102.13	76.2	421.8	0.0	154.0	19.64	5,052	66.8
70.00		0.3750	38.126	44.931	8,090.0	16.52	101.67	76.2	417.9	0.0	153.2	19.64	5,012	66.8
71.00		0.3750	37.951	44.723	7,978.0	16.43	101.20	76.2	414.1	0.0	152.5	19.64	4,973	66.8
72.00		0.3750	37.776	44.515	7,867.1	16.35	100.74	76.2	410.2	0.0	151.8	19.64	4,934	66.8
73.00		0.3750	37.601	44.306	7,757.3	16.27	100.27	76.2	406.3	0.0	151.1	19.64	4,895	66.8
74.00		0.3750	37.426	44.098	7,648.4	16.19	99.80	76.2	402.5	0.0	150.4	19.64	4,856	66.8
75.00		0.3750	37.251	43.890	7,540.6	16.10	99.34	76.2	398.7	0.0	149.7	19.64	4,817	66.8
76.00		0.3750	37.076	43.682	7,433.8	16.02	98.87	76.2	394.9	0.0	149.0	19.64	4,779	66.8
77.00		0.3750	36.901	43.474	7,328.0	15.94	98.40	76.2	391.1	0.0	148.3	19.64	4,741	66.8
78.00		0.3750	36.726	43.266	7,223.3	15.86	97.94	76.2	387.4	0.0	147.6	19.64	4,702	66.8
79.00		0.3750	36.551	43.057	7,119.5	15.78	97.47	76.2	383.6	0.0	146.9	19.64	4,664	66.8
80.00		0.3750	36.376	42.849	7,016.7	15.69	97.00	76.2	379.9	0.0	146.2	19.64	4,626	66.8
81.00		0.3750	36.201	42.641	6,914.9	15.61	96.54	76.2	376.2	0.0	145.5	19.64	4,589	66.8
82.00		0.3750	36.027	42.433	6,814.1	15.53	96.07	76.2	372.5	0.0	144.7	19.64	4,551	66.8
83.00		0.3750	35.852	42.225	6,714.3	15.45	95.60	76.2	368.9	0.0	144.0	19.64	4,514	66.8
84.00		0.3750	35.677	42.016	6,615.5	15.36	95.14	76.2	365.2	0.0	143.3	19.64	4,476	66.8
85.00		0.3750	35.502	41.808	6,517.7	15.28	94.67	76.2	361.6	0.0	142.6	19.64	4,439	66.8
86.00		0.3750	35.327	41.600	6,420.8	15.20	94.21	76.2	358.0	0.0	141.9	19.64	4,402	66.8
87.00		0.3750	35.152	41.392	6,324.9	15.12	93.74	76.2	354.4	0.0	141.2	19.64	4,365	66.8
88.00	Bot - Section 4	0.3750	34.977	41.184	6,229.9	15.04	93.27	76.2	350.8	0.0	140.5	19.64	4,329	66.8
89.00		0.3750	34.802	40.975	6,135.9	14.95	92.81	76.2	347.3	0.0	258.6	19.64	4,423	66.8
90.00		0.3750	34.627	40.767	6,042.9	14.87	92.34	76.2	343.7	0.0	257.3	19.64	4,386	66.8
91.00		0.3750	34.452	40.559	5,950.7	14.79	91.87	76.2	340.2	0.0	256.0	19.64	4,350	66.8
92.00		0.3750	34.277	40.351	5,859.6	14.71	91.41	76.2	336.7	0.0	254.7	19.64	4,313	66.8
93.00	Top - Section 3	0.3125	34.727	34.134	5,107.8	18.18	111.13	74.6	289.7	0.0	253.4	19.64	4,277	66.8
94.00		0.3125	34.553	33.961	5,030.3	18.09	110.57	74.7	286.7	0.0	115.9	19.64	4,240	66.8
95.00		0.3125	34.378	33.787	4,953.6	17.99	110.01	74.8	283.8	0.0	115.3	19.64	4,204	66.8
96.00		0.3125	34.203	33.614	4,877.7	17.89	109.45	74.9	280.9	0.0	114.7	19.64	4,168	66.8
97.00		0.3125	34.028	33.440	4,802.6	17.79	108.89	75.0	278.0	0.0	114.1	19.64	4,132	66.8
98.00		0.3125	33.853	33.267	4,728.2	17.69	108.33	75.1	275.1	0.0	113.5	19.64	4,097	66.8
99.00		0.3125	33.678	33.093	4,654.6	17.59	107.77	75.3	272.2	0.0	112.9	19.64	4,061	66.8
100.00		0.3125	33.503	32.920	4,581.8	17.49	107.21	75.4	269.4	0.0	112.3	19.64	4,026	66.8
101.00		0.3125	33.328	32.746	4,509.8	17.39	106.65	75.5	266.5	0.0	111.7	19.64	3,991	66.8
102.00		0.3125	33.153	32.573	4,438.5	17.30	106.09	75.6	263.7	0.0	111.1	19.64	3,956	66.8
103.00		0.3125	32.978	32.399	4,367.9	17.20	105.53	75.7	260.9	0.0	110.5	19.64	3,921	66.8
104.00		0.3125	32.803	32.226	4,298.1	17.10	104.97	75.8	258.1	0.0	110.0	19.64	3,886	66.8
105.00	Reinf. Top	0.3125	32.628	32.052	4,229.1	17.00	104.41	75.9	255.3	0.0	109.4	19.64	3,851	66.8
106.00		0.3125	32.454	31.879	4,160.8	16.90	103.85	76.0	252.5	0.0	108.8			
107.00		0.3125	32.279	31.705	4,093.2	16.80	103.29	76.1	249.8	0.0	108.2			
108.00		0.3125	32.104	31.532	4,026.4	16.70	102.73	76.2	247.0	0.0	107.6			
109.00		0.3125	31.929	31.358	3,960.3	16.61	102.17	76.2	244.3	0.0	107.0			
110.00		0.3125	31.754	31.185	3,894.9	16.51	101.61	76.2	241.6	0.0	106.4			
111.00		0.3125	31.579	31.011	3,830.3	16.41	101.05	76.2	238.9	0.0	105.8			
112.00		0.3125	31.404	30.838	3,766.4	16.31	100.49	76.2	236.2	0.0	105.2			
113.00		0.3125	31.229	30.664	3,703.1	16.21	99.93	76.2	233.6	0.0	104.6			
114.00		0.3125	31.054	30.491	3,640.6	16.11	99.37	76.2	230.9	0.0	104.0			
115.00		0.3125	30.879	30.317	3,578.9	16.01	98.81	76.2	228.3	0.0	103.5			
116.00		0.3125	30.704	30.144	3,517.8	15.91	98.25	76.2	225.7	0.0	102.9			
116.50	Bot - Section 5	0.3125	30.617	30.057	3,487.5	15.86	97.97	76.2	224.4	0.0	51.2			
117.00		0.3125	30.529	29.970	3,457.4	15.82	97.69	76.2	223.1	0.0	92.7			

118.0		0.3125	30.355	29.797	3,397.7	15.72	97.13	76.2	220.5	0.0	184.6
119.0		0.3125	30.180	29.623	3,338.7	15.62	96.57	76.2	217.9	0.0	183.5
120.0		0.3125	30.005	29.450	3,280.4	15.52	96.02	76.2	215.3	0.0	182.4
121.0	Top - Section 4	0.2500	30.330	23.867	2,728.4	19.98	121.32	72.8	177.2	0.0	181.4
122.0		0.2500	30.155	23.729	2,681.1	19.86	120.62	72.9	175.1	0.0	81.0
123.0		0.2500	29.980	23.590	2,634.3	19.73	119.92	73.0	173.1	0.0	80.5
124.0		0.2500	29.805	23.451	2,588.1	19.61	119.22	73.1	171.0	0.0	80.0
125.0		0.2500	29.630	23.312	2,542.4	19.49	118.52	73.3	169.0	0.0	79.6
126.0		0.2500	29.455	23.173	2,497.3	19.36	117.82	73.4	167.0	0.0	79.1
127.0		0.2500	29.280	23.035	2,452.7	19.24	117.12	73.5	165.0	0.0	78.6
128.0		0.2500	29.105	22.896	2,408.6	19.12	116.42	73.7	163.0	0.0	78.1
129.0		0.2500	28.930	22.757	2,365.1	18.99	115.72	73.8	161.0	0.0	77.7
130.0		0.2500	28.756	22.618	2,322.1	18.87	115.02	73.9	159.0	0.0	77.2
131.0		0.2500	28.581	22.480	2,279.6	18.75	114.32	74.0	157.1	0.0	76.7
132.0		0.2500	28.406	22.341	2,237.6	18.62	113.62	74.2	155.2	0.0	76.3
133.0		0.2500	28.231	22.202	2,196.2	18.50	112.92	74.3	153.2	0.0	75.8
134.0		0.2500	28.056	22.063	2,155.2	18.38	112.22	74.4	151.3	0.0	75.3
135.0		0.2500	27.881	21.924	2,114.8	18.25	111.52	74.6	149.4	0.0	74.8
136.0		0.2500	27.706	21.786	2,074.9	18.13	110.82	74.7	147.5	0.0	74.4
137.0		0.2500	27.531	21.647	2,035.5	18.01	110.12	74.8	145.6	0.0	73.9
138.0		0.2500	27.356	21.508	1,996.6	17.88	109.42	74.9	143.8	0.0	73.4
139.0		0.2500	27.181	21.369	1,958.2	17.76	108.73	75.1	141.9	0.0	73.0
140.0		0.2500	27.006	21.230	1,920.3	17.64	108.03	75.2	140.0	0.0	72.5
141.0		0.2500	26.831	21.092	1,882.9	17.51	107.33	75.3	138.2	0.0	72.0
142.0		0.2500	26.657	20.953	1,845.9	17.39	106.63	75.5	136.4	0.0	71.5
143.0		0.2500	26.482	20.814	1,809.5	17.27	105.93	75.6	134.6	0.0	71.1
144.0		0.2500	26.307	20.675	1,773.5	17.14	105.23	75.7	132.8	0.0	70.6
145.0		0.2500	26.132	20.536	1,738.1	17.02	104.53	75.8	131.0	0.0	70.1
146.0		0.2500	25.957	20.398	1,703.1	16.90	103.83	76.0	129.2	0.0	69.6
147.0		0.2500	25.782	20.259	1,668.5	16.77	103.13	76.1	127.5	0.0	69.2
148.0		0.2500	25.607	20.120	1,634.5	16.65	102.43	76.2	125.7	0.0	68.7
149.0	Bot - Section 6	0.2500	25.432	19.981	1,600.9	16.53	101.73	76.2	124.0	0.0	68.2
150.0		0.2500	25.257	19.842	1,567.8	16.40	101.03	76.2	122.3	0.0	119.5
151.0		0.2500	25.082	19.704	1,535.1	16.28	100.33	76.2	120.5	0.0	118.6
152.0		0.2500	24.907	19.565	1,502.9	16.16	99.63	76.2	118.8	0.0	117.8
152.5	Top - Section 5	0.1875	25.195	14.882	1,175.8	22.28	134.37	70.4	91.9	0.0	58.6
153.0		0.1875	25.107	14.830	1,163.6	22.20	133.91	70.4	91.3	0.0	25.3
154.0		0.1875	24.933	14.726	1,139.2	22.04	132.97	70.6	90.0	0.0	50.3
155.0		0.1875	24.758	14.622	1,115.2	21.87	132.04	70.8	88.7	0.0	49.9
156.0		0.1875	24.583	14.518	1,091.6	21.71	131.11	71.0	87.5	0.0	49.6
157.0		0.1875	24.408	14.414	1,068.3	21.54	130.17	71.1	86.2	0.0	49.2
158.0		0.1875	24.233	14.309	1,045.3	21.38	129.24	71.3	85.0	0.0	48.9
159.0		0.1875	24.058	14.205	1,022.6	21.21	128.31	71.5	83.7	0.0	48.5
160.0		0.1875	23.883	14.101	1,000.3	21.05	127.38	71.6	82.5	0.0	48.2
161.0		0.1875	23.708	13.997	978.3	20.88	126.44	71.8	81.3	0.0	47.8
162.0		0.1875	23.533	13.893	956.7	20.72	125.51	72.0	80.1	0.0	47.5
163.0		0.1875	23.358	13.789	935.3	20.56	124.58	72.2	78.9	0.0	47.1
164.0		0.1875	23.183	13.685	914.3	20.39	123.64	72.3	77.7	0.0	46.7
165.0		0.1875	23.008	13.581	893.6	20.23	122.71	72.5	76.5	0.0	46.4
166.0		0.1875	22.833	13.477	873.2	20.06	121.78	72.7	75.3	0.0	46.0
167.0		0.1875	22.659	13.373	853.1	19.90	120.85	72.8	74.2	0.0	45.7
168.0		0.1875	22.484	13.269	833.4	19.73	119.91	73.0	73.0	0.0	45.3
169.0		0.1875	22.309	13.164	813.9	19.57	118.98	73.2	71.9	0.0	45.0
170.0		0.1875	22.134	13.060	794.8	19.40	118.05	73.4	70.7	0.0	44.6
171.0		0.1875	21.959	12.956	775.9	19.24	117.11	73.5	69.6	0.0	44.3
172.0		0.1875	21.784	12.852	757.3	19.08	116.18	73.7	68.5	0.0	43.9
173.0		0.1875	21.609	12.748	739.1	18.91	115.25	73.9	67.4	0.0	43.6
174.0		0.1875	21.434	12.644	721.1	18.75	114.32	74.0	66.3	0.0	43.2
175.0		0.1875	21.259	12.540	703.5	18.58	113.38	74.2	65.2	0.0	42.8
176.0		0.1875	21.084	12.436	686.1	18.42	112.45	74.4	64.1	0.0	42.5
177.0		0.1875	20.909	12.332	669.0	18.25	111.52	74.6	63.0	0.0	42.1
178.0		0.1875	20.734	12.228	652.2	18.09	110.58	74.7	62.0	0.0	41.8
179.0		0.1875	20.560	12.123	635.7	17.92	109.65	74.9	60.9	0.0	41.4
180.0		0.1875	20.385	12.019	619.5	17.76	108.72	75.1	59.9	0.0	41.1

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T- Mobile

181.0	0.1875	20.210	11.915	603.5	17.59	107.79	75.2	58.8	0.0	40.7	
182.0	0.1875	20.035	11.811	587.8	17.43	106.85	75.4	57.8	0.0	40.4	
183.0	0.1875	19.860	11.707	572.4	17.27	105.92	75.6	56.8	0.0	40.0	
									29,356.2		7,014.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:20 PM

Customer: T-Mobile

Load Case: 1.2D + 1.6W

110 mph with No Ice

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

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		48.4	0.0					0.0	0.0	48.4	0.0	0.0	0.0
1.00		96.6	311.3					0.0	80.2	96.6	391.4	0.0	0.0
2.00		96.3	310.1					0.0	80.2	96.3	390.3	0.0	0.0
3.00		95.9	309.0					0.0	80.2	95.9	389.1	0.0	0.0
4.00		95.6	307.8					0.0	80.2	95.6	388.0	0.0	0.0
5.00		105.0	306.7					0.0	80.2	105.0	386.9	0.0	0.0
6.00		114.5	305.6					0.0	161.7	114.5	467.2	0.0	0.0
7.00		114.2	304.4					0.0	161.7	114.2	466.1	0.0	0.0
8.00		114.0	303.3					0.0	161.7	114.0	465.0	0.0	0.0
9.00		113.7	302.2					0.0	161.7	113.7	463.8	0.0	0.0
10.00		113.5	301.0					0.0	161.7	113.5	462.7	0.0	0.0
11.00		113.3	299.9					0.0	161.7	113.3	461.6	0.0	0.0
12.00		113.0	298.8					0.0	161.7	113.0	460.4	0.0	0.0
13.00		112.8	297.6					0.0	161.7	112.8	459.3	0.0	0.0
14.00		112.5	296.5					0.0	161.7	112.5	458.2	0.0	0.0
15.00		112.3	295.4					0.0	161.7	112.3	457.0	0.0	0.0
16.00		112.0	294.2					0.0	161.7	112.0	455.9	0.0	0.0
17.00		111.8	293.1					0.0	161.7	111.8	454.8	0.0	0.0
18.00		111.5	292.0					0.0	161.7	111.5	453.6	0.0	0.0
19.00		111.3	290.8					0.0	161.7	111.3	452.5	0.0	0.0
20.00		111.1	289.7					0.0	161.7	111.1	451.4	0.0	0.0
21.00		110.8	288.6					0.0	161.7	110.8	450.2	0.0	0.0
22.00		83.0	287.4					0.0	161.7	83.0	449.1	0.0	0.0
22.50	Reinf. Top Reinf	55.2	143.3					0.0	80.8	55.2	224.1	0.0	0.0
23.00		82.7	143.0					0.0	80.8	82.7	223.8	0.0	0.0
24.00		110.1	285.2					0.0	161.7	110.1	446.8	0.0	0.0
25.00		109.8	284.0					0.0	161.7	109.8	445.7	0.0	0.0
26.00		109.6	282.9					0.0	161.7	109.6	444.6	0.0	0.0
27.00		109.3	281.8					0.0	161.7	109.3	443.4	0.0	0.0
28.00		81.9	280.6					0.0	161.7	81.9	442.3	0.0	0.0
28.50	Bot - Section 2	55.1	139.9					0.0	80.8	55.1	220.7	0.0	0.0
29.00		83.5	282.5					0.0	80.8	83.5	363.3	0.0	0.0
30.00		111.4	563.2					0.0	161.7	111.4	724.9	0.0	0.0
31.00		112.0	561.0					0.0	161.7	112.0	722.6	0.0	0.0
32.00		112.8	558.7					0.0	161.7	112.8	720.4	0.0	0.0
33.00		113.5	556.4					0.0	161.7	113.5	718.1	0.0	0.0
34.00		114.3	554.2					0.0	161.7	114.3	715.8	0.0	0.0
35.00	Top - Section 1	114.4	551.9					0.0	161.7	114.4	713.6	0.0	0.0
36.00		114.4	278.1					0.0	161.7	114.4	439.7	0.0	0.0
37.00		115.1	276.9					0.0	161.7	115.1	438.6	0.0	0.0
38.00		115.7	275.8					0.0	161.7	115.7	437.4	0.0	0.0
39.00		116.3	274.7					0.0	161.7	116.3	436.3	0.0	0.0
40.00		116.9	273.5					0.0	161.7	116.9	435.2	0.0	0.0
41.00		117.4	272.4					0.0	161.7	117.4	434.0	0.0	0.0
42.00		118.0	271.3					0.0	161.7	118.0	432.9	0.0	0.0
43.00	Reinf. Top Reinf	118.5	270.1					0.0	161.7	118.5	431.8	0.0	0.0
44.00		119.0	269.0					0.0	161.7	119.0	430.6	0.0	0.0
45.00		119.5	267.9					0.0	161.7	119.5	429.5	0.0	0.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:34 PM

Customer: T- Mobile

Load Case: 1.2D + 1.6W	110 mph with No Ice						36 Iterations			
Gust Response Factor : 1.10							Wind Importance Factor : 1.00			
Dead Load Factor : 1.20										
Wind Load Factor : 1.60										

46.00		120.0	266.7					0.0	161.7	120.0	428.4	0.0	0.0
47.00		120.4	265.6					0.0	161.7	120.4	427.2	0.0	0.0
48.00		120.9	264.5					0.0	161.7	120.9	426.1	0.0	0.0
49.00		121.3	263.3					0.0	161.7	121.3	425.0	0.0	0.0
50.00	Appertunance(s)	121.7	262.2	107.5	0.0	0.0	90.7	0.0	161.7	229.2	514.6	0.0	0.0
51.00		122.2	261.1					0.0	161.7	122.2	422.7	0.0	0.0
52.00		122.5	259.9					0.0	161.7	122.5	421.6	0.0	0.0
53.00		122.9	258.8					0.0	161.7	122.9	420.4	0.0	0.0
54.00		149.1	257.7					0.0	161.7	149.1	419.3	0.0	0.0
55.00		175.2	256.5					35.1	161.7	210.4	418.2	0.0	0.0
56.00		175.4	255.4					35.3	161.7	210.7	417.0	0.0	0.0
57.00		175.5	254.3					35.5	161.7	211.0	415.9	0.0	0.0
58.00	Bot - Section 3	177.3	253.1					35.7	161.7	212.9	414.8	0.0	0.0
59.00		179.0	445.2					35.8	161.7	214.8	606.9	0.0	0.0
60.00		179.1	443.3					36.0	161.7	215.1	604.9	0.0	0.0
61.00		179.2	441.3					36.2	161.7	215.3	602.9	0.0	0.0
62.00		179.2	439.3					36.3	161.7	215.5	600.9	0.0	0.0
63.00		134.4	437.3					36.5	161.7	170.9	599.0	0.0	0.0
63.50	Top - Section 2	89.6	217.9					18.3	80.8	107.9	298.7	0.0	0.0
64.00		134.4	94.4					18.4	80.8	152.8	175.2	0.0	0.0
65.00		179.2	188.1					36.8	161.7	216.1	349.8	0.0	0.0
66.00		179.2	187.3					37.0	161.7	216.2	348.9	0.0	0.0
67.00		179.2	186.4					37.2	161.7	216.3	348.1	0.0	0.0
68.00		179.1	185.6					37.3	161.7	216.4	347.2	0.0	0.0
69.00		179.0	184.7					37.5	161.7	216.5	346.4	0.0	0.0
70.00		178.9	183.9					37.6	161.7	216.6	345.5	0.0	0.0
71.00		178.8	183.0					37.8	161.7	216.6	344.7	0.0	0.0
72.00		178.7	182.2					37.9	161.7	216.7	343.8	0.0	0.0
73.00		178.6	181.3					38.1	161.7	216.7	343.0	0.0	0.0
74.00		178.5	180.5					38.2	161.7	216.7	342.1	0.0	0.0
75.00		178.3	179.6					38.4	161.7	216.7	341.3	0.0	0.0
76.00		178.2	178.8					38.5	161.7	216.7	340.4	0.0	0.0
77.00		178.0	177.9					38.7	161.7	216.7	339.6	0.0	0.0
78.00		177.8	177.1					38.8	161.7	216.6	338.7	0.0	0.0
79.00		177.6	176.2					39.0	161.7	216.6	337.9	0.0	0.0
80.00		177.4	175.4					39.1	161.7	216.5	337.0	0.0	0.0
81.00		177.2	174.5					39.3	161.7	216.4	336.2	0.0	0.0
82.00		176.9	173.7					39.4	161.7	216.3	335.3	0.0	0.0
83.00		176.7	172.8					39.5	161.7	216.2	334.5	0.0	0.0
84.00		176.4	172.0					39.7	161.7	216.1	333.6	0.0	0.0
85.00		176.1	171.1					39.8	161.7	215.9	332.8	0.0	0.0
86.00		175.9	170.3					39.9	161.7	215.8	331.9	0.0	0.0
87.00		175.6	169.4					40.1	161.7	215.6	331.1	0.0	0.0
88.00	Bot - Section 4	176.8	168.6					40.2	161.7	217.0	330.2	0.0	0.0
89.00		178.1	310.3					40.3	161.7	218.4	472.0	0.0	0.0
90.00		177.8	308.8					40.5	161.7	218.2	470.4	0.0	0.0
91.00		177.5	307.2					40.6	161.7	218.0	468.8	0.0	0.0
92.00		177.1	305.6					40.7	161.7	217.8	467.3	0.0	0.0
93.00	Top - Section 3	176.8	304.1					40.8	161.7	217.6	465.7	0.0	0.0
94.00		176.4	139.0					41.0	161.7	217.4	300.7	0.0	0.0
95.00		176.1	138.3					41.1	161.7	217.2	300.0	0.0	0.0
96.00		175.7	137.6					41.2	161.7	216.9	299.3	0.0	0.0
97.00		175.3	136.9					41.3	161.7	216.7	298.6	0.0	0.0
98.00		174.9	136.2					41.5	161.7	216.4	297.8	0.0	0.0
99.00		174.5	135.5					41.6	161.7	216.1	297.1	0.0	0.0
100.00		174.1	134.8					41.7	161.7	215.8	296.4	0.0	0.0
101.00		173.7	134.1					41.8	161.7	215.5	295.7	0.0	0.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:34 PM

Customer: T- Mobile

Load Case: 1.2D + 1.6W	110 mph with No Ice						36 Iterations			
Gust Response Factor : 1.10							Wind Importance Factor : 1.00			
Dead Load Factor : 1.20										
Wind Load Factor : 1.60										

102.00		173.3	133.4				41.9	161.7	215.2	295.0	0.0	0.0	
103.00		172.8	132.7				42.1	161.7	214.9	294.3	0.0	0.0	
104.00		172.4	131.9				42.2	161.7	214.6	293.6	0.0	0.0	
105.00	Reinf. Top	172.0	131.2				42.3	161.7	214.2	292.9	0.0	0.0	
106.00		171.5	130.5				42.4	81.5	213.9	212.0	0.0	0.0	
107.00		171.0	129.8				42.5	81.5	213.6	211.3	0.0	0.0	
108.00		170.6	129.1				42.6	81.5	213.2	210.6	0.0	0.0	
109.00		170.1	128.4				42.7	81.5	212.8	209.9	0.0	0.0	
110.00		169.6	127.7				42.9	81.5	212.4	209.2	0.0	0.0	
111.00		143.9	127.0				40.9	81.5	184.8	208.5	0.0	0.0	
112.00		118.4	126.3				0.0	81.5	118.4	207.8	0.0	0.0	
113.00		143.1	125.6				0.0	81.5	143.1	207.1	0.0	0.0	
114.00		167.6	124.9				33.6	81.5	201.2	206.4	0.0	0.0	
115.00		167.0	124.2				33.7	81.5	200.8	205.6	0.0	0.0	
116.00		125.0	123.4				33.8	81.5	158.8	204.9	0.0	0.0	
116.50	Bot - Section 5	83.8	61.5				16.9	40.7	100.7	102.2	0.0	0.0	
117.00		126.4	111.2				17.0	40.7	143.4	152.0	0.0	0.0	
118.00		168.1	221.5				34.0	81.5	202.1	303.0	0.0	0.0	
119.00		167.6	220.2				34.1	81.5	201.6	301.7	0.0	0.0	
120.00		167.0	218.9				34.1	81.5	201.2	300.4	0.0	0.0	
121.00	Top - Section 4	166.5	217.6				34.2	81.5	200.7	299.1	0.0	0.0	
122.00		165.9	97.2				34.3	80.3	200.2	177.5	0.0	0.0	
123.00		165.3	96.6				34.4	80.3	199.7	176.9	0.0	0.0	
124.00		164.7	96.0				34.5	80.3	199.2	176.3	0.0	0.0	
125.00		164.1	95.5				34.5	80.3	198.7	175.8	0.0	0.0	
126.00	Appertunance(s)	163.5	94.9	5,222.6	0.0	-769.2	3,435.1	34.6	80.3	5,420.8	3,610.3	0.0	0.0
127.00		162.9	94.3				34.7	64.1	197.6	158.5	0.0	0.0	
128.00		162.3	93.8				34.8	64.1	197.1	157.9	0.0	0.0	
129.00		161.7	93.2				34.9	64.1	196.6	157.3	0.0	0.0	
130.00		161.1	92.6				34.9	64.1	196.0	156.8	0.0	0.0	
131.00		160.5	92.1				35.0	64.1	195.5	156.2	0.0	0.0	
132.00		159.8	91.5				35.1	64.1	194.9	155.6	0.0	0.0	
133.00		159.2	90.9				35.2	64.1	194.3	155.1	0.0	0.0	
134.00		158.5	90.4				35.2	64.1	193.8	154.5	0.0	0.0	
135.00		157.9	89.8				35.3	64.1	193.2	153.9	0.0	0.0	
136.00		157.2	89.2				35.4	64.1	192.6	153.4	0.0	0.0	
137.00		156.6	88.7				35.5	64.1	192.0	152.8	0.0	0.0	
138.00		155.9	88.1				35.5	64.1	191.4	152.2	0.0	0.0	
139.00		155.2	87.5				35.6	64.1	190.8	151.7	0.0	0.0	
140.00		154.5	87.0				35.7	64.1	190.2	151.1	0.0	0.0	
141.00		153.8	86.4				35.8	64.1	189.6	150.5	0.0	0.0	
142.00		153.1	85.8				35.8	64.1	189.0	150.0	0.0	0.0	
143.00		152.4	85.3				35.9	64.1	188.3	149.4	0.0	0.0	
144.00		151.7	84.7				36.0	64.1	187.7	148.8	0.0	0.0	
145.00	Appertunance(s)	124.4	84.1	2,363.5	0.0	0.0	1,678.3	36.0	64.1	2,524.0	1,826.6	0.0	0.0
146.00		97.4	83.6				0.0	46.4	97.4	130.0	0.0	0.0	
147.00		97.2	83.0				0.0	46.4	97.2	129.4	0.0	0.0	
148.00		97.0	82.4				0.0	46.4	97.0	128.9	0.0	0.0	
149.00	Bot - Section 6	97.5	81.9				0.0	46.4	97.5	128.3	0.0	0.0	
150.00		98.0	143.4				0.0	46.4	98.0	189.8	0.0	0.0	
151.00		97.8	142.4				0.0	46.4	97.8	188.8	0.0	0.0	
152.00		73.3	141.4				0.0	46.4	73.3	187.8	0.0	0.0	
152.50	Top - Section 5	48.6	70.3				0.0	23.2	48.6	93.5	0.0	0.0	
153.00		72.6	30.3				0.0	23.2	72.6	53.5	0.0	0.0	
154.00		96.6	60.3				0.0	46.4	96.6	106.8	0.0	0.0	
155.00		96.4	59.9				0.0	46.4	96.4	106.3	0.0	0.0	
156.00		96.2	59.5				0.0	46.4	96.2	105.9	0.0	0.0	

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:34 PM

Customer: T- Mobile

Load Case: 1.2D + 1.6W

110 mph with No Ice

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

157.00		96.0	59.1				0.0	46.4	96.0	105.5	0.0	0.0	
158.00		95.7	58.6				0.0	46.4	95.7	105.1	0.0	0.0	
159.00		95.5	58.2				0.0	46.4	95.5	104.6	0.0	0.0	
160.00		95.3	57.8				0.0	46.4	95.3	104.2	0.0	0.0	
161.00		95.1	57.4				0.0	46.4	95.1	103.8	0.0	0.0	
162.00		94.8	56.9				0.0	46.4	94.8	103.4	0.0	0.0	
163.00		94.6	56.5				0.0	46.4	94.6	102.9	0.0	0.0	
164.00		94.4	56.1				0.0	46.4	94.4	102.5	0.0	0.0	
165.00		94.2	55.7				0.0	46.4	94.2	102.1	0.0	0.0	
166.00		93.9	55.2				0.0	46.4	93.9	101.7	0.0	0.0	
167.00	Appertunance(s)	93.7	54.8	4,523.0	0.0	-2,924.9	3,284.4	0.0	46.4	4,616.7	3,385.6	0.0	0.0
168.00		93.4	54.4					0.0	36.1	93.4	90.5	0.0	0.0
169.00		93.2	54.0					0.0	36.1	93.2	90.1	0.0	0.0
170.00		93.0	53.5					0.0	36.1	93.0	89.7	0.0	0.0
171.00		92.7	53.1					0.0	36.1	92.7	89.2	0.0	0.0
172.00		92.5	52.7					0.0	36.1	92.5	88.8	0.0	0.0
173.00		92.2	52.3					0.0	36.1	92.2	88.4	0.0	0.0
174.00		111.1	51.8					0.0	36.1	111.1	88.0	0.0	0.0
175.00	Appertunance(s)	101.2	51.4	633.4	0.0	0.0	95.0	26.2	36.1	760.7	182.6	0.0	0.0
176.00		72.1	51.0					0.0	30.2	72.1	81.2	0.0	0.0
177.00		71.8	50.6					0.0	30.2	71.8	80.8	0.0	0.0
178.00		71.5	50.1					0.0	30.2	71.5	80.4	0.0	0.0
179.00		71.2	49.7					0.0	30.2	71.2	79.9	0.0	0.0
180.00		70.9	49.3					0.0	30.2	70.9	79.5	0.0	0.0
181.00		70.6	48.9					0.0	30.2	70.6	79.1	0.0	0.0
182.00		70.3	48.4					0.0	30.2	70.3	78.7	0.0	0.0
183.00	Appertunance(s)	35.1	48.0	4,770.4	0.0	1,410.8	2,877.8	0.0	30.2	4,805.5	2,956.1	0.0	0.0
									Totals:	46,014.1	67,730.6	0.00	0.00

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

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Customer: T- Mobile

Load Case: 1.2D + 1.6W

110 mph with No Ice

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

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	-67.71	-46.00	0.00	-5,630.48	0.00	5,630.48	4,364.17	2,182.08	8,607.44	4,310.12	0.00	0.00	0.986
1.00	-67.27	-45.96	0.00	-5,584.48	0.00	5,584.48	4,348.30	2,174.15	8,544.66	4,278.68	0.01	-0.05	0.984
2.00	-66.84	-45.93	0.00	-5,538.52	0.00	5,538.52	4,332.44	2,166.22	8,482.10	4,247.36	0.02	-0.11	0.982
3.00	-66.41	-45.89	0.00	-5,492.59	0.00	5,492.59	4,316.57	2,158.29	8,419.78	4,216.15	0.05	-0.16	0.980
4.00	-65.98	-45.86	0.00	-5,446.70	0.00	5,446.70	4,300.71	2,150.36	8,357.68	4,185.05	0.09	-0.21	0.977
5.00	-65.55	-45.81	0.00	-5,400.84	0.00	5,400.84	4,284.85	2,142.42	8,295.82	4,154.08	0.14	-0.27	0.975
6.00	-65.04	-45.76	0.00	-5,355.03	0.00	5,355.03	4,268.98	2,134.49	8,234.19	4,123.21	0.20	-0.32	0.973
7.00	-64.53	-45.70	0.00	-5,309.27	0.00	5,309.27	4,253.12	2,126.56	8,172.78	4,092.46	0.28	-0.37	0.971
8.00	-64.02	-45.64	0.00	-5,263.57	0.00	5,263.57	4,237.26	2,118.63	8,111.60	4,061.83	0.36	-0.43	0.968
9.00	-63.52	-45.59	0.00	-5,217.93	0.00	5,217.93	4,221.39	2,110.70	8,050.66	4,031.31	0.46	-0.48	0.966
10.00	-63.01	-45.53	0.00	-5,172.34	0.00	5,172.34	4,205.53	2,102.76	7,989.95	4,000.91	0.56	-0.54	0.964
11.00	-62.51	-45.47	0.00	-5,126.81	0.00	5,126.81	4,189.66	2,094.83	7,929.46	3,970.62	0.68	-0.59	0.961
12.00	-62.01	-45.41	0.00	-5,081.35	0.00	5,081.35	4,173.80	2,086.90	7,869.20	3,940.45	0.81	-0.64	0.959
13.00	-61.51	-45.35	0.00	-5,035.94	0.00	5,035.94	4,157.94	2,078.97	7,809.18	3,910.39	0.95	-0.70	0.956
14.00	-61.01	-45.29	0.00	-4,990.59	0.00	4,990.59	4,142.07	2,071.04	7,749.38	3,880.45	1.11	-0.75	0.954
15.00	-60.51	-45.23	0.00	-4,945.30	0.00	4,945.30	4,126.21	2,063.10	7,689.82	3,850.62	1.27	-0.81	0.951
16.00	-60.01	-45.17	0.00	-4,900.07	0.00	4,900.07	4,110.34	2,055.17	7,630.48	3,820.91	1.44	-0.86	0.948
17.00	-59.52	-45.10	0.00	-4,854.91	0.00	4,854.91	4,094.48	2,047.24	7,571.37	3,791.31	1.63	-0.91	0.946
18.00	-59.02	-45.04	0.00	-4,809.81	0.00	4,809.81	4,078.62	2,039.31	7,512.50	3,761.83	1.83	-0.97	0.943
19.00	-58.53	-44.98	0.00	-4,764.77	0.00	4,764.77	4,062.75	2,031.38	7,453.85	3,732.47	2.04	-1.02	0.940
20.00	-58.04	-44.91	0.00	-4,719.79	0.00	4,719.79	4,046.89	2,023.44	7,395.44	3,703.21	2.26	-1.08	0.937
21.00	-57.55	-44.85	0.00	-4,674.88	0.00	4,674.88	4,031.02	2,015.51	7,337.25	3,674.08	2.49	-1.13	0.935
22.00	-57.07	-44.80	0.00	-4,630.03	0.00	4,630.03	4,015.16	2,007.58	7,279.29	3,645.06	2.73	-1.19	0.932
22.50	-56.82	-44.76	0.00	-4,607.63	0.00	4,607.63	4,007.23	2,003.61	7,250.40	3,630.59	2.86	-1.21	0.930
23.00	-56.57	-44.72	0.00	-4,585.25	0.00	4,585.25	3,999.30	1,999.65	7,221.56	3,616.15	2.99	-1.24	0.929
24.00	-56.08	-44.65	0.00	-4,540.53	0.00	4,540.53	3,983.43	1,991.72	7,164.07	3,587.36	3.25	-1.30	0.926
25.00	-55.60	-44.58	0.00	-4,495.88	0.00	4,495.88	3,967.57	1,983.78	7,106.80	3,558.68	3.53	-1.35	0.923
26.00	-55.11	-44.52	0.00	-4,451.30	0.00	4,451.30	3,951.70	1,975.85	7,049.76	3,530.12	3.82	-1.41	0.920
27.00	-54.63	-44.45	0.00	-4,406.79	0.00	4,406.79	3,935.84	1,967.92	6,992.95	3,501.67	4.12	-1.46	0.916
28.00	-54.16	-44.39	0.00	-4,362.34	0.00	4,362.34	3,919.98	1,959.99	6,936.37	3,473.34	4.43	-1.51	0.913
28.50	-53.92	-44.36	0.00	-4,340.14	0.00	4,340.14	3,912.04	1,956.02	6,908.17	3,459.22	4.59	-1.54	0.912
29.00	-53.53	-44.30	0.00	-4,317.96	0.00	4,317.96	3,904.11	1,952.06	6,880.03	3,445.13	4.76	-1.57	0.900
30.00	-52.76	-44.22	0.00	-4,273.66	0.00	4,273.66	3,888.25	1,944.12	6,823.91	3,417.03	5.09	-1.62	0.896
31.00	-52.00	-44.14	0.00	-4,229.44	0.00	4,229.44	3,872.38	1,936.19	6,768.02	3,389.04	5.44	-1.68	0.893
32.00	-51.24	-44.05	0.00	-4,185.30	0.00	4,185.30	3,856.52	1,928.26	6,712.36	3,361.17	5.79	-1.73	0.890
33.00	-50.49	-43.96	0.00	-4,141.25	0.00	4,141.25	3,840.66	1,920.33	6,656.93	3,333.41	6.16	-1.79	0.886
34.00	-49.73	-43.87	0.00	-4,097.29	0.00	4,097.29	3,824.79	1,912.40	6,601.73	3,305.77	6.54	-1.84	0.882
35.00	-48.98	-43.78	0.00	-4,053.41	0.00	4,053.41	3,809.62	1,909.81	6,546.12	3,277.16	6.94	-1.89	0.856
36.00	-48.51	-43.70	0.00	-4,009.63	0.00	4,009.63	3,883.76	1,941.88	6,808.07	3,409.09	7.34	-1.95	0.852
37.00	-48.03	-43.61	0.00	-3,965.93	0.00	3,965.93	3,867.90	1,933.95	6,752.24	3,381.14	7.75	-2.00	0.848
38.00	-47.56	-43.52	0.00	-3,922.32	0.00	3,922.32	3,852.03	1,926.02	6,696.65	3,353.30	8.18	-2.05	0.845
39.00	-47.09	-43.43	0.00	-3,878.80	0.00	3,878.80	3,836.17	1,918.08	6,641.29	3,325.58	8.61	-2.10	0.841
40.00	-46.62	-43.34	0.00	-3,835.37	0.00	3,835.37	3,820.30	1,910.15	6,586.15	3,297.97	9.06	-2.16	0.837
41.00	-46.15	-43.25	0.00	-3,792.02	0.00	3,792.02	3,804.44	1,902.22	6,531.25	3,270.48	9.52	-2.21	0.834
42.00	-45.69	-43.16	0.00	-3,748.77	0.00	3,748.77	3,788.58	1,894.29	6,476.57	3,243.10	9.98	-2.26	0.830
43.00	-45.22	-43.06	0.00	-3,705.62	0.00	3,705.62	3,772.71	1,886.36	6,422.13	3,215.84	10.46	-2.31	0.826
43.00	-45.22	-43.06	0.00	-3,705.62	0.00	3,705.62	3,772.71	1,886.36	6,422.13	3,215.84	10.46	-2.31	0.826
44.00	-44.76	-42.97	0.00	-3,662.56	0.00	3,662.56	3,756.85	1,878.42	6,367.91	3,188.69	10.95	-2.36	0.822
45.00	-44.29	-42.87	0.00	-3,619.59	0.00	3,619.59	3,740.98	1,870.49	6,313.93	3,161.66	11.45	-2.41	0.818
46.00	-43.83	-42.77	0.00	-3,576.72	0.00	3,576.72	3,725.12	1,862.56	6,260.17	3,134.74	11.96	-2.46	0.814

Site Number: 302535

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47.00	-43.37	-42.67	0.00	-3,533.95	0.00	3,533.95	3,709.26	1,854.63	6,206.65	3,107.94	12.49	-2.52	0.810
48.00	-42.91	-42.57	0.00	-3,491.29	0.00	3,491.29	3,693.39	1,846.70	6,153.35	3,081.25	13.02	-2.57	0.805
49.00	-42.46	-42.47	0.00	-3,448.72	0.00	3,448.72	3,677.53	1,838.76	6,100.29	3,054.68	13.56	-2.62	0.801
50.00	-41.92	-42.25	0.00	-3,406.25	0.00	3,406.25	3,661.66	1,830.83	6,047.45	3,028.22	14.12	-2.67	0.797
51.00	-41.46	-42.15	0.00	-3,364.00	0.00	3,364.00	3,645.80	1,822.90	5,994.84	3,001.88	14.68	-2.72	0.793
52.00	-41.01	-42.04	0.00	-3,321.86	0.00	3,321.86	3,629.94	1,814.97	5,942.47	2,975.65	15.26	-2.77	0.788
53.00	-40.56	-41.93	0.00	-3,279.82	0.00	3,279.82	3,614.07	1,807.04	5,890.32	2,949.54	15.84	-2.82	0.784
54.00	-40.11	-41.80	0.00	-3,237.89	0.00	3,237.89	3,598.21	1,799.10	5,838.41	2,923.54	16.44	-2.87	0.779
55.00	-39.67	-41.60	0.00	-3,196.09	0.00	3,196.09	3,582.34	1,791.17	5,786.72	2,897.66	17.05	-2.92	0.775
56.00	-39.22	-41.40	0.00	-3,154.49	0.00	3,154.49	3,566.48	1,783.24	5,735.26	2,871.89	17.66	-2.97	0.770
57.00	-38.78	-41.21	0.00	-3,113.09	0.00	3,113.09	3,550.62	1,775.31	5,684.03	2,846.24	18.29	-3.03	0.765
58.00	-38.34	-41.01	0.00	-3,071.88	0.00	3,071.88	3,534.75	1,767.38	5,633.04	2,820.71	18.93	-3.08	0.761
59.00	-37.71	-40.79	0.00	-3,030.88	0.00	3,030.88	3,518.89	1,759.44	5,582.27	2,795.28	19.58	-3.13	0.748
60.00	-37.09	-40.58	0.00	-2,990.09	0.00	2,990.09	3,503.02	1,751.51	5,531.73	2,769.98	20.24	-3.18	0.744
61.00	-36.46	-40.36	0.00	-2,949.51	0.00	2,949.51	3,487.16	1,743.58	5,481.43	2,744.79	20.91	-3.23	0.739
62.00	-35.84	-40.14	0.00	-2,909.15	0.00	2,909.15	3,471.30	1,735.65	5,431.35	2,719.71	21.59	-3.28	0.734
63.00	-35.23	-39.96	0.00	-2,869.01	0.00	2,869.01	3,455.43	1,727.72	5,381.50	2,694.75	22.28	-3.33	0.729
63.50	-34.92	-39.85	0.00	-2,849.03	0.00	2,849.03	3,158.12	1,579.06	5,037.43	2,522.46	22.63	-3.35	0.716
64.00	-34.72	-39.71	0.00	-2,829.11	0.00	2,829.11	3,152.80	1,576.40	5,017.53	2,512.49	22.99	-3.37	0.713
65.00	-34.35	-39.51	0.00	-2,789.40	0.00	2,789.40	3,142.13	1,571.07	4,977.80	2,492.60	23.70	-3.43	0.707
66.00	-33.97	-39.30	0.00	-2,749.89	0.00	2,749.89	3,131.44	1,565.72	4,938.17	2,472.75	24.42	-3.49	0.701
67.00	-33.60	-39.10	0.00	-2,710.59	0.00	2,710.59	3,120.71	1,560.35	4,898.65	2,452.96	25.16	-3.55	0.695
68.00	-33.23	-38.90	0.00	-2,671.49	0.00	2,671.49	3,109.92	1,554.96	4,859.19	2,433.21	25.91	-3.60	0.689
69.00	-32.86	-38.69	0.00	-2,632.59	0.00	2,632.59	3,095.65	1,547.82	4,814.46	2,410.81	26.67	-3.66	0.684
70.00	-32.49	-38.48	0.00	-2,593.90	0.00	2,593.90	3,081.37	1,540.68	4,769.94	2,388.51	27.44	-3.71	0.678
71.00	-32.12	-38.28	0.00	-2,555.42	0.00	2,555.42	3,067.09	1,533.55	4,725.62	2,366.32	28.23	-3.77	0.673
72.00	-31.76	-38.07	0.00	-2,517.15	0.00	2,517.15	3,052.81	1,526.41	4,681.51	2,344.23	29.02	-3.83	0.668
73.00	-31.39	-37.86	0.00	-2,479.08	0.00	2,479.08	3,038.54	1,519.27	4,637.61	2,322.25	29.83	-3.88	0.662
74.00	-31.03	-37.65	0.00	-2,441.22	0.00	2,441.22	3,024.26	1,512.13	4,593.91	2,300.37	30.65	-3.94	0.657
75.00	-30.67	-37.44	0.00	-2,403.57	0.00	2,403.57	3,009.98	1,504.99	4,550.42	2,278.59	31.48	-3.99	0.651
76.00	-30.31	-37.23	0.00	-2,366.13	0.00	2,366.13	2,995.70	1,497.85	4,507.14	2,256.92	32.32	-4.05	0.646
77.00	-29.95	-37.02	0.00	-2,328.91	0.00	2,328.91	2,981.43	1,490.71	4,464.06	2,235.35	33.17	-4.10	0.640
78.00	-29.59	-36.80	0.00	-2,291.89	0.00	2,291.89	2,967.15	1,483.57	4,421.19	2,213.88	34.04	-4.16	0.634
79.00	-29.24	-36.59	0.00	-2,255.09	0.00	2,255.09	2,952.87	1,476.44	4,378.53	2,192.52	34.91	-4.21	0.629
80.00	-28.88	-36.38	0.00	-2,218.50	0.00	2,218.50	2,938.59	1,469.30	4,336.07	2,171.26	35.80	-4.26	0.623
81.00	-28.53	-36.16	0.00	-2,182.12	0.00	2,182.12	2,924.32	1,462.16	4,293.83	2,150.10	36.70	-4.32	0.617
82.00	-28.18	-35.95	0.00	-2,145.96	0.00	2,145.96	2,910.04	1,455.02	4,251.78	2,129.05	37.61	-4.37	0.612
83.00	-27.83	-35.73	0.00	-2,110.01	0.00	2,110.01	2,895.76	1,447.88	4,209.95	2,108.10	38.53	-4.42	0.606
84.00	-27.48	-35.52	0.00	-2,074.28	0.00	2,074.28	2,881.48	1,440.74	4,168.32	2,087.26	39.46	-4.48	0.600
85.00	-27.13	-35.30	0.00	-2,038.76	0.00	2,038.76	2,867.21	1,433.60	4,126.90	2,066.52	40.40	-4.53	0.594
86.00	-26.79	-35.08	0.00	-2,003.46	0.00	2,003.46	2,852.93	1,426.46	4,085.69	2,045.88	41.36	-4.58	0.588
87.00	-26.44	-34.87	0.00	-1,968.38	0.00	1,968.38	2,838.65	1,419.33	4,044.68	2,025.35	42.32	-4.63	0.582
88.00	-26.10	-34.65	0.00	-1,933.51	0.00	1,933.51	2,824.37	1,412.19	4,003.88	2,004.91	43.30	-4.69	0.576
89.00	-25.62	-34.41	0.00	-1,898.87	0.00	1,898.87	2,810.09	1,405.05	3,963.28	1,984.59	44.29	-4.74	0.563
90.00	-25.14	-34.18	0.00	-1,864.46	0.00	1,864.46	2,795.82	1,397.91	3,922.90	1,964.36	45.28	-4.79	0.557
91.00	-24.66	-33.94	0.00	-1,830.28	0.00	1,830.28	2,781.54	1,390.77	3,882.72	1,944.24	46.29	-4.84	0.550
92.00	-24.18	-33.71	0.00	-1,796.34	0.00	1,796.34	2,767.26	1,383.63	3,842.74	1,924.23	47.31	-4.89	0.544
93.00	-23.71	-33.47	0.00	-1,762.63	0.00	1,762.63	2,292.76	1,146.38	3,238.31	1,621.56	48.34	-4.94	0.599
94.00	-23.40	-33.25	0.00	-1,729.16	0.00	1,729.16	2,284.25	1,142.13	3,209.75	1,607.26	49.38	-4.99	0.591
95.00	-23.09	-33.03	0.00	-1,695.91	0.00	1,695.91	2,275.71	1,137.86	3,181.27	1,593.00	50.43	-5.04	0.583
96.00	-22.78	-32.81	0.00	-1,662.88	0.00	1,662.88	2,267.14	1,133.57	3,152.86	1,578.78	51.49	-5.09	0.575
97.00	-22.47	-32.58	0.00	-1,630.07	0.00	1,630.07	2,258.54	1,129.27	3,124.54	1,564.59	52.56	-5.15	0.567
98.00	-22.16	-32.36	0.00	-1,597.49	0.00	1,597.49	2,249.90	1,124.95	3,096.30	1,550.45	53.64	-5.20	0.559
99.00	-21.86	-32.14	0.00	-1,565.13	0.00	1,565.13	2,241.24	1,120.62	3,068.14	1,536.35	54.73	-5.25	0.551
100.00	-21.56	-31.92	0.00	-1,532.99	0.00	1,532.99	2,232.54	1,116.27	3,040.06	1,522.29	55.84	-5.30	0.543
101.00	-21.25	-31.69	0.00	-1,501.08	0.00	1,501.08	2,223.81	1,111.90	3,012.06	1,508.27	56.95	-5.35	0.535
102.00	-20.95	-31.47	0.00	-1,469.38	0.00	1,469.38	2,215.04	1,107.52	2,984.14	1,494.29	58.08	-5.40	0.527

Load Case: 1.2D + 1.6W

110 mph with No Ice

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

103.00	-20.65	-31.24	0.00	-1,437.92	0.00	1,437.92	2,206.25	1,103.12	2,956.31	1,480.35	59.21	-5.45	0.518
104.00	-20.36	-31.02	0.00	-1,406.67	0.00	1,406.67	2,197.42	1,098.71	2,928.57	1,466.46	60.36	-5.50	0.510
105.00	-20.06	-30.80	0.00	-1,375.65	0.00	1,375.65	2,188.56	1,094.28	2,900.91	1,452.61	61.51	-5.54	0.502
105.00	-20.06	-30.80	0.00	-1,375.65	0.00	1,375.65	2,188.56	1,094.28	2,900.91	1,452.61	61.51	-5.54	0.957
106.00	-19.83	-30.59	0.00	-1,344.86	0.00	1,344.86	2,179.67	1,089.83	2,873.33	1,438.80	62.68	-5.59	0.945
107.00	-19.59	-30.38	0.00	-1,314.27	0.00	1,314.27	2,170.74	1,085.37	2,845.85	1,425.04	63.86	-5.68	0.932
108.00	-19.36	-30.18	0.00	-1,283.89	0.00	1,283.89	2,161.78	1,080.89	2,818.44	1,411.32	65.05	-5.77	0.919
109.00	-19.12	-29.98	0.00	-1,253.71	0.00	1,253.71	2,150.55	1,075.28	2,788.22	1,396.18	66.27	-5.86	0.908
110.00	-18.89	-29.77	0.00	-1,223.73	0.00	1,223.73	2,138.65	1,069.33	2,757.31	1,380.70	67.51	-5.95	0.896
111.00	-18.66	-29.60	0.00	-1,193.96	0.00	1,193.96	2,126.76	1,063.38	2,726.56	1,365.31	68.76	-6.04	0.884
112.00	-18.42	-29.49	0.00	-1,164.36	0.00	1,164.36	2,114.86	1,057.43	2,695.99	1,350.00	70.03	-6.13	0.872
113.00	-18.19	-29.35	0.00	-1,134.88	0.00	1,134.88	2,102.96	1,051.48	2,665.59	1,334.78	71.33	-6.21	0.860
114.00	-17.96	-29.15	0.00	-1,105.53	0.00	1,105.53	2,091.06	1,045.53	2,635.36	1,319.64	72.63	-6.30	0.847
115.00	-17.73	-28.96	0.00	-1,076.38	0.00	1,076.38	2,079.16	1,039.58	2,605.31	1,304.59	73.96	-6.39	0.834
116.00	-17.52	-28.80	0.00	-1,047.42	0.00	1,047.42	2,067.27	1,033.63	2,575.43	1,289.63	75.30	-6.47	0.821
116.50	-17.40	-28.70	0.00	-1,033.02	0.00	1,033.02	2,061.32	1,030.66	2,560.55	1,282.18	75.98	-6.51	0.815
117.00	-17.24	-28.56	0.00	-1,018.67	0.00	1,018.67	2,055.37	1,027.68	2,545.72	1,274.75	76.67	-6.55	0.808
118.00	-16.92	-28.34	0.00	-990.12	0.00	990.12	2,043.47	1,021.73	2,516.18	1,259.96	78.05	-6.64	0.795
119.00	-16.60	-28.13	0.00	-961.77	0.00	961.77	2,031.57	1,015.79	2,486.81	1,245.26	79.44	-6.72	0.781
120.00	-16.29	-27.92	0.00	-933.64	0.00	933.64	2,019.67	1,009.84	2,457.62	1,230.64	80.86	-6.80	0.767
121.00	-15.98	-27.71	0.00	-905.72	0.00	905.72	1,562.89	781.45	1,930.84	966.86	82.29	-6.88	0.948
122.00	-15.79	-27.51	0.00	-878.02	0.00	878.02	1,556.55	778.28	1,911.74	957.29	83.73	-6.96	0.929
123.00	-15.59	-27.32	0.00	-850.50	0.00	850.50	1,550.18	775.09	1,892.68	947.75	85.20	-7.05	0.909
124.00	-15.40	-27.12	0.00	-823.19	0.00	823.19	1,543.77	771.89	1,873.68	938.23	86.68	-7.14	0.889
125.00	-15.21	-26.93	0.00	-796.07	0.00	796.07	1,537.34	768.67	1,854.73	928.74	88.18	-7.23	0.868
126.00	-12.28	-21.11	0.00	-769.14	0.00	769.14	1,530.87	765.43	1,835.84	919.28	89.70	-7.32	0.845
127.00	-12.12	-20.91	0.00	-748.03	0.00	748.03	1,524.37	762.18	1,817.00	909.85	91.24	-7.40	0.831
128.00	-11.96	-20.71	0.00	-727.12	0.00	727.12	1,517.84	758.92	1,798.22	900.45	92.79	-7.49	0.816
129.00	-11.80	-20.52	0.00	-706.41	0.00	706.41	1,511.27	755.64	1,779.50	891.07	94.37	-7.57	0.801
130.00	-11.64	-20.32	0.00	-685.90	0.00	685.90	1,504.67	752.34	1,760.83	881.72	95.96	-7.66	0.786
131.00	-11.48	-20.12	0.00	-665.58	0.00	665.58	1,498.04	749.02	1,742.22	872.40	97.57	-7.74	0.771
132.00	-11.32	-19.92	0.00	-645.46	0.00	645.46	1,491.38	745.69	1,723.67	863.12	99.19	-7.82	0.756
133.00	-11.17	-19.72	0.00	-625.54	0.00	625.54	1,484.69	742.34	1,705.18	853.86	100.84	-7.90	0.741
134.00	-11.02	-19.52	0.00	-605.82	0.00	605.82	1,477.96	738.98	1,686.75	844.63	102.49	-7.98	0.725
135.00	-10.86	-19.33	0.00	-586.29	0.00	586.29	1,471.20	735.60	1,668.38	835.43	104.17	-8.06	0.710
136.00	-10.71	-19.13	0.00	-566.97	0.00	566.97	1,464.41	732.21	1,650.07	826.26	105.86	-8.14	0.694
137.00	-10.56	-18.93	0.00	-547.84	0.00	547.84	1,457.59	728.80	1,631.83	817.13	107.57	-8.22	0.678
138.00	-10.42	-18.73	0.00	-528.91	0.00	528.91	1,450.74	725.37	1,613.64	808.02	109.29	-8.29	0.662
139.00	-10.27	-18.54	0.00	-510.17	0.00	510.17	1,443.85	721.92	1,595.53	798.95	111.03	-8.36	0.646
140.00	-10.13	-18.34	0.00	-491.64	0.00	491.64	1,436.93	718.47	1,577.47	789.91	112.78	-8.44	0.630
141.00	-9.98	-18.14	0.00	-473.30	0.00	473.30	1,429.98	714.99	1,559.48	780.90	114.55	-8.51	0.614
142.00	-9.84	-17.94	0.00	-455.16	0.00	455.16	1,423.00	711.50	1,541.56	771.93	116.34	-8.58	0.597
143.00	-9.70	-17.75	0.00	-437.22	0.00	437.22	1,415.98	707.99	1,523.71	762.99	118.13	-8.65	0.581
144.00	-9.56	-17.55	0.00	-419.47	0.00	419.47	1,408.93	704.47	1,505.92	754.08	119.95	-8.71	0.564
145.00	-8.12	-14.79	0.00	-401.92	0.00	401.92	1,401.85	700.93	1,488.20	745.20	121.77	-8.78	0.546
146.00	-7.99	-14.68	0.00	-387.13	0.00	387.13	1,394.74	697.37	1,470.54	736.36	123.61	-8.85	0.532
147.00	-7.86	-14.57	0.00	-372.46	0.00	372.46	1,387.60	693.80	1,452.96	727.56	125.46	-8.91	0.518
148.00	-7.74	-14.46	0.00	-357.88	0.00	357.88	1,379.83	689.92	1,434.84	718.48	127.33	-8.97	0.504
149.00	-7.61	-14.36	0.00	-343.42	0.00	343.42	1,370.32	685.16	1,415.01	708.56	129.21	-9.03	0.491
150.00	-7.42	-14.24	0.00	-329.06	0.00	329.06	1,360.80	680.40	1,395.33	698.70	131.10	-9.09	0.477
151.00	-7.24	-14.12	0.00	-314.83	0.00	314.83	1,351.28	675.64	1,375.78	688.91	133.00	-9.15	0.463
152.00	-7.05	-14.02	0.00	-300.71	0.00	300.71	1,341.76	670.88	1,356.37	679.19	134.92	-9.21	0.448
152.50	-6.96	-13.96	0.00	-293.70	0.00	293.70	942.35	471.17	968.66	485.05	135.88	-9.24	0.614
153.00	-6.91	-13.89	0.00	-286.72	0.00	286.72	940.20	470.10	963.05	482.24	136.84	-9.26	0.603
154.00	-6.80	-13.78	0.00	-272.83	0.00	272.83	935.87	467.94	951.84	476.63	138.78	-9.33	0.581
155.00	-6.70	-13.68	0.00	-259.05	0.00	259.05	931.51	465.76	940.66	471.03	140.73	-9.40	0.558
156.00	-6.60	-13.57	0.00	-245.37	0.00	245.37	927.12	463.56	929.51	465.45	142.70	-9.46	0.535

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:34 PM

Customer: T- Mobile

Load Case: 1.2D + 1.6W

110 mph with No Ice

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

157.00	-6.49	-13.47	0.00	-231.80	0.00	231.80	922.70	461.35	918.40	459.88	144.68	-9.52	0.512
158.00	-6.39	-13.36	0.00	-218.33	0.00	218.33	918.25	459.12	907.31	454.33	146.67	-9.58	0.488
159.00	-6.29	-13.26	0.00	-204.97	0.00	204.97	913.76	456.88	896.26	448.80	148.68	-9.64	0.464
160.00	-6.19	-13.15	0.00	-191.71	0.00	191.71	909.24	454.62	885.24	443.28	150.70	-9.70	0.440
161.00	-6.09	-13.05	0.00	-178.56	0.00	178.56	904.69	452.35	874.26	437.78	152.72	-9.75	0.415
162.00	-6.00	-12.94	0.00	-165.52	0.00	165.52	900.11	450.06	863.31	432.30	154.76	-9.80	0.390
163.00	-5.90	-12.83	0.00	-152.58	0.00	152.58	895.50	447.75	852.40	426.83	156.81	-9.85	0.365
164.00	-5.81	-12.73	0.00	-139.74	0.00	139.74	890.85	445.42	841.52	421.39	158.87	-9.89	0.339
165.00	-5.71	-12.62	0.00	-127.02	0.00	127.02	886.17	443.09	830.68	415.96	160.93	-9.93	0.313
166.00	-5.62	-12.51	0.00	-114.40	0.00	114.40	881.46	440.73	819.88	410.55	163.01	-9.97	0.286
167.00	-3.08	-7.38	0.00	-101.88	0.00	101.88	876.72	438.36	809.12	405.16	165.09	-10.01	0.255
168.00	-3.01	-7.28	0.00	-94.50	0.00	94.50	871.94	435.97	798.40	399.79	167.18	-10.04	0.240
169.00	-2.93	-7.17	0.00	-87.22	0.00	87.22	867.13	433.57	787.71	394.44	169.27	-10.07	0.225
170.00	-2.86	-7.06	0.00	-80.05	0.00	80.05	862.29	431.15	777.07	389.11	171.38	-10.10	0.209
171.00	-2.78	-6.96	0.00	-72.99	0.00	72.99	857.42	428.71	766.47	383.80	173.48	-10.13	0.194
172.00	-2.71	-6.85	0.00	-66.03	0.00	66.03	852.52	426.26	755.91	378.52	175.60	-10.15	0.178
173.00	-2.63	-6.75	0.00	-59.18	0.00	59.18	847.58	423.79	745.39	373.25	177.72	-10.18	0.162
174.00	-2.56	-6.62	0.00	-52.43	0.00	52.43	842.61	421.31	734.92	368.01	179.84	-10.20	0.146
175.00	-2.52	-5.84	0.00	-45.80	0.00	45.80	837.61	418.81	724.49	362.78	181.97	-10.22	0.129
176.00	-2.45	-5.76	0.00	-39.96	0.00	39.96	832.58	416.29	714.11	357.59	184.10	-10.23	0.115
177.00	-2.38	-5.67	0.00	-34.20	0.00	34.20	827.51	413.76	703.77	352.41	186.23	-10.25	0.100
178.00	-2.31	-5.59	0.00	-28.53	0.00	28.53	822.42	411.21	693.48	347.26	188.37	-10.26	0.085
179.00	-2.25	-5.51	0.00	-22.94	0.00	22.94	817.29	408.64	683.23	342.12	190.51	-10.27	0.070
180.00	-2.18	-5.42	0.00	-17.43	0.00	17.43	812.13	406.06	673.04	337.02	192.65	-10.28	0.055
181.00	-2.11	-5.34	0.00	-12.01	0.00	12.01	806.93	403.47	662.89	331.94	194.79	-10.29	0.039
182.00	-2.05	-5.26	0.00	-6.67	0.00	6.67	801.71	400.85	652.79	326.88	196.94	-10.29	0.023
183.00	0.00	-4.81	0.00	-1.41	0.00	1.41	796.45	398.23	642.74	321.85	199.08	-10.30	0.005

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:35 PM

Customer: T- Mobile

Load Case: 0.9D + 1.6W

110 mph with No Ice (Reduced DL)

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

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		48.4	0.0					0.0	0.0	48.4	0.0	0.0	0.0
1.00		96.6	233.4					0.0	60.1	96.6	293.6	0.0	0.0
2.00		96.3	232.6					0.0	60.1	96.3	292.7	0.0	0.0
3.00		95.9	231.7					0.0	60.1	95.9	291.9	0.0	0.0
4.00		95.6	230.9					0.0	60.1	95.6	291.0	0.0	0.0
5.00		95.2	230.0					0.0	60.1	95.2	290.2	0.0	0.0
6.00		94.9	229.2					0.0	121.2	94.9	350.4	0.0	0.0
7.00		94.5	228.3					0.0	121.2	94.5	349.6	0.0	0.0
8.00		94.2	227.5					0.0	121.2	94.2	348.7	0.0	0.0
9.00		93.8	226.6					0.0	121.2	93.8	347.9	0.0	0.0
10.00		93.5	225.8					0.0	121.2	93.5	347.0	0.0	0.0
11.00		93.1	224.9					0.0	121.2	93.1	346.2	0.0	0.0
12.00		92.8	224.1					0.0	121.2	92.8	345.3	0.0	0.0
13.00		92.4	223.2					0.0	121.2	92.4	344.5	0.0	0.0
14.00		92.1	222.4					0.0	121.2	92.1	343.6	0.0	0.0
15.00		91.7	221.5					0.0	121.2	91.7	342.8	0.0	0.0
16.00		91.4	220.7					0.0	121.2	91.4	341.9	0.0	0.0
17.00		91.0	219.8					0.0	121.2	91.0	341.1	0.0	0.0
18.00		90.7	219.0					0.0	121.2	90.7	340.2	0.0	0.0
19.00		90.3	218.1					0.0	121.2	90.3	339.4	0.0	0.0
20.00		90.0	217.3					0.0	121.2	90.0	338.5	0.0	0.0
21.00		89.6	216.4					0.0	121.2	89.6	337.7	0.0	0.0
22.00		89.6	216.4					0.0	121.2	89.6	337.7	0.0	0.0
22.50	Reinf. Top Reinf	44.6	107.5					0.0	60.6	44.6	168.1	0.0	0.0
23.00		66.6	107.3					0.0	60.6	66.6	167.9	0.0	0.0
24.00		88.6	213.9					0.0	121.2	88.6	335.1	0.0	0.0
25.00		88.2	213.0					0.0	121.2	88.2	334.3	0.0	0.0
26.00		87.9	212.2					0.0	121.2	87.9	333.4	0.0	0.0
27.00		87.5	211.3					0.0	121.2	87.5	332.6	0.0	0.0
28.00		65.5	210.5					0.0	121.2	65.5	331.7	0.0	0.0
28.50	Bot - Section 2	44.0	104.9					0.0	60.6	44.0	165.5	0.0	0.0
29.00		66.6	211.9					0.0	60.6	66.6	272.5	0.0	0.0
30.00		88.7	422.4					0.0	121.2	88.7	543.7	0.0	0.0
31.00		89.0	420.7					0.0	121.2	89.0	542.0	0.0	0.0
32.00		89.5	419.0					0.0	121.2	89.5	540.3	0.0	0.0
33.00		89.9	417.3					0.0	121.2	89.9	538.6	0.0	0.0
34.00		90.3	415.6					0.0	121.2	90.3	536.9	0.0	0.0
35.00	Top - Section 1	90.7	413.9					0.0	121.2	90.7	535.2	0.0	0.0
36.00		91.1	208.5					0.0	121.2	91.1	329.8	0.0	0.0
37.00		91.4	207.7					0.0	121.2	91.4	328.9	0.0	0.0
38.00		91.8	206.8					0.0	121.2	91.8	328.1	0.0	0.0
39.00		92.1	206.0					0.0	121.2	92.1	327.2	0.0	0.0
40.00		92.4	205.1					0.0	121.2	92.4	326.4	0.0	0.0
41.00		92.6	204.3					0.0	121.2	92.6	325.5	0.0	0.0
42.00		92.9	203.4					0.0	121.2	92.9	324.7	0.0	0.0
43.00	Reinf. Top Reinf	93.1	202.6					0.0	121.2	93.1	323.8	0.0	0.0
44.00		93.3	201.7					0.0	121.2	93.3	323.0	0.0	0.0
45.00		93.6	200.9					0.0	121.2	93.6	322.1	0.0	0.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:48 PM

Customer: T- Mobile

Load Case: 0.9D + 1.6W

110 mph with No Ice (Reduced DL)

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

46.00		93.7	200.0					0.0	121.2	93.7	321.3	0.0	0.0
47.00		93.9	199.2					0.0	121.2	93.9	320.4	0.0	0.0
48.00		94.1	198.3					0.0	121.2	94.1	319.6	0.0	0.0
49.00		94.2	197.5					0.0	121.2	94.2	318.7	0.0	0.0
50.00	Appertunance(s)	94.4	196.6	107.5	0.0	0.0	68.0	0.0	121.2	201.9	385.9	0.0	0.0
51.00		94.5	195.8					0.0	121.2	94.5	317.0	0.0	0.0
52.00		94.6	194.9					0.0	121.2	94.6	316.2	0.0	0.0
53.00		94.7	194.1					0.0	121.2	94.7	315.3	0.0	0.0
54.00		135.0	193.2					0.0	121.2	135.0	314.5	0.0	0.0
55.00		175.2	192.4					35.1	121.2	210.4	313.6	0.0	0.0
56.00		175.4	191.5					35.3	121.2	210.7	312.8	0.0	0.0
57.00		175.5	190.7					35.5	121.2	211.0	311.9	0.0	0.0
58.00	Bot - Section 3	177.3	189.8					35.7	121.2	212.9	311.1	0.0	0.0
59.00		179.0	333.9					35.8	121.2	214.8	455.2	0.0	0.0
60.00		179.1	332.4					36.0	121.2	215.1	453.7	0.0	0.0
61.00		179.2	330.9					36.2	121.2	215.3	452.2	0.0	0.0
62.00		179.2	329.5					36.3	121.2	215.5	450.7	0.0	0.0
63.00		134.4	328.0					36.5	121.2	170.9	449.2	0.0	0.0
63.50	Top - Section 2	89.6	163.4					18.3	60.6	107.9	224.0	0.0	0.0
64.00		134.4	70.8					18.4	60.6	152.8	131.4	0.0	0.0
65.00		179.2	141.1					36.8	121.2	216.1	262.3	0.0	0.0
66.00		179.2	140.5					37.0	121.2	216.2	261.7	0.0	0.0
67.00		179.2	139.8					37.2	121.2	216.3	261.1	0.0	0.0
68.00		179.1	139.2					37.3	121.2	216.4	260.4	0.0	0.0
69.00		179.0	138.6					37.5	121.2	216.5	259.8	0.0	0.0
70.00		178.9	137.9					37.6	121.2	216.6	259.2	0.0	0.0
71.00		178.8	137.3					37.8	121.2	216.6	258.5	0.0	0.0
72.00		178.7	136.6					37.9	121.2	216.7	257.9	0.0	0.0
73.00		178.6	136.0					38.1	121.2	216.7	257.2	0.0	0.0
74.00		178.5	135.4					38.2	121.2	216.7	256.6	0.0	0.0
75.00		178.3	134.7					38.4	121.2	216.7	256.0	0.0	0.0
76.00		178.2	134.1					38.5	121.2	216.7	255.3	0.0	0.0
77.00		178.0	133.5					38.7	121.2	216.7	254.7	0.0	0.0
78.00		177.8	132.8					38.8	121.2	216.6	254.1	0.0	0.0
79.00		177.6	132.2					39.0	121.2	216.6	253.4	0.0	0.0
80.00		177.4	131.5					39.1	121.2	216.5	252.8	0.0	0.0
81.00		177.2	130.9					39.3	121.2	216.4	252.1	0.0	0.0
82.00		176.9	130.3					39.4	121.2	216.3	251.5	0.0	0.0
83.00		176.7	129.6					39.5	121.2	216.2	250.9	0.0	0.0
84.00		176.4	129.0					39.7	121.2	216.1	250.2	0.0	0.0
85.00		176.1	128.4					39.8	121.2	215.9	249.6	0.0	0.0
86.00		175.9	127.7					39.9	121.2	215.8	249.0	0.0	0.0
87.00		175.6	127.1					40.1	121.2	215.6	248.3	0.0	0.0
88.00	Bot - Section 4	176.8	126.4					40.2	121.2	217.0	247.7	0.0	0.0
89.00		178.1	232.7					40.3	121.2	218.4	354.0	0.0	0.0
90.00		177.8	231.6					40.5	121.2	218.2	352.8	0.0	0.0
91.00		177.5	230.4					40.6	121.2	218.0	351.6	0.0	0.0
92.00		177.1	229.2					40.7	121.2	217.8	350.5	0.0	0.0
93.00	Top - Section 3	176.8	228.1					40.8	121.2	217.6	349.3	0.0	0.0
94.00		176.4	104.3					41.0	121.2	217.4	225.5	0.0	0.0
95.00		176.1	103.7					41.1	121.2	217.2	225.0	0.0	0.0
96.00		175.7	103.2					41.2	121.2	216.9	224.4	0.0	0.0
97.00		175.3	102.7					41.3	121.2	216.7	223.9	0.0	0.0
98.00		174.9	102.1					41.5	121.2	216.4	223.4	0.0	0.0
99.00		174.5	101.6					41.6	121.2	216.1	222.9	0.0	0.0
100.00		174.1	101.1					41.7	121.2	215.8	222.3	0.0	0.0
101.00		173.7	100.6					41.8	121.2	215.5	221.8	0.0	0.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:48 PM

Customer: T- Mobile

Load Case: 0.9D + 1.6W	110 mph with No Ice (Reduced DL)						36 Iterations			
Gust Response Factor : 1.10							Wind Importance Factor : 1.00			
Dead Load Factor : 0.90										
Wind Load Factor : 1.60										

102.00		173.3	100.0				41.9	121.2	215.2	221.3	0.0	0.0	
103.00		172.8	99.5				42.1	121.2	214.9	220.7	0.0	0.0	
104.00		172.4	99.0				42.2	121.2	214.6	220.2	0.0	0.0	
105.00	Reinf. Top	172.0	98.4				42.3	121.2	214.2	219.7	0.0	0.0	
106.00		171.5	97.9				42.4	61.1	213.9	159.0	0.0	0.0	
107.00		171.0	97.4				42.5	61.1	213.6	158.5	0.0	0.0	
108.00		170.6	96.8				42.6	61.1	213.2	158.0	0.0	0.0	
109.00		170.1	96.3				42.7	61.1	212.8	157.4	0.0	0.0	
110.00		169.6	95.8				42.9	61.1	212.4	156.9	0.0	0.0	
111.00		130.4	95.2				40.9	61.1	171.3	156.4	0.0	0.0	
112.00		91.3	94.7				0.0	61.1	91.3	155.8	0.0	0.0	
113.00		129.5	94.2				0.0	61.1	129.5	155.3	0.0	0.0	
114.00		167.6	93.6				33.6	61.1	201.2	154.8	0.0	0.0	
115.00		167.0	93.1				33.7	61.1	200.8	154.2	0.0	0.0	
116.00		125.0	92.6				33.8	61.1	158.8	153.7	0.0	0.0	
116.50	Bot - Section 5	83.8	46.1				16.9	30.6	100.7	76.7	0.0	0.0	
117.00		126.4	83.4				17.0	30.6	143.4	114.0	0.0	0.0	
118.00		168.1	166.1				34.0	61.1	202.1	227.2	0.0	0.0	
119.00		167.6	165.1				34.1	61.1	201.6	226.3	0.0	0.0	
120.00		167.0	164.2				34.1	61.1	201.2	225.3	0.0	0.0	
121.00	Top - Section 4	166.5	163.2				34.2	61.1	200.7	224.4	0.0	0.0	
122.00		165.9	72.9				34.3	60.2	200.2	133.1	0.0	0.0	
123.00		165.3	72.5				34.4	60.2	199.7	132.7	0.0	0.0	
124.00		164.7	72.0				34.5	60.2	199.2	132.3	0.0	0.0	
125.00		164.1	71.6				34.5	60.2	198.7	131.8	0.0	0.0	
126.00	Appertunance(s)	163.5	71.2	5,222.6	0.0	-769.2	2,576.3	34.6	60.2	5,420.8	2,707.7	0.0	0.0
127.00		162.9	70.8				34.7	48.1	197.6	118.9	0.0	0.0	
128.00		162.3	70.3				34.8	48.1	197.1	118.4	0.0	0.0	
129.00		161.7	69.9				34.9	48.1	196.6	118.0	0.0	0.0	
130.00		161.1	69.5				34.9	48.1	196.0	117.6	0.0	0.0	
131.00		160.5	69.1				35.0	48.1	195.5	117.2	0.0	0.0	
132.00		159.8	68.6				35.1	48.1	194.9	116.7	0.0	0.0	
133.00		159.2	68.2				35.2	48.1	194.3	116.3	0.0	0.0	
134.00		158.5	67.8				35.2	48.1	193.8	115.9	0.0	0.0	
135.00		157.9	67.4				35.3	48.1	193.2	115.5	0.0	0.0	
136.00		157.2	66.9				35.4	48.1	192.6	115.0	0.0	0.0	
137.00		156.6	66.5				35.5	48.1	192.0	114.6	0.0	0.0	
138.00		155.9	66.1				35.5	48.1	191.4	114.2	0.0	0.0	
139.00		155.2	65.7				35.6	48.1	190.8	113.8	0.0	0.0	
140.00		154.5	65.2				35.7	48.1	190.2	113.3	0.0	0.0	
141.00		153.8	64.8				35.8	48.1	189.6	112.9	0.0	0.0	
142.00		153.1	64.4				35.8	48.1	189.0	112.5	0.0	0.0	
143.00		152.4	64.0				35.9	48.1	188.3	112.1	0.0	0.0	
144.00		151.7	63.5				36.0	48.1	187.7	111.6	0.0	0.0	
145.00	Appertunance(s)	116.5	63.1	2,363.5	0.0	0.0	1,258.7	36.0	48.1	2,516.1	1,369.9	0.0	0.0
146.00		81.4	62.7				0.0	34.8	81.4	97.5	0.0	0.0	
147.00		81.0	62.3				0.0	34.8	81.0	97.1	0.0	0.0	
148.00		80.6	61.8				0.0	34.8	80.6	96.6	0.0	0.0	
149.00	Bot - Section 6	80.8	61.4				0.0	34.8	80.8	96.2	0.0	0.0	
150.00		81.0	107.5				0.0	34.8	81.0	142.3	0.0	0.0	
151.00		80.6	106.8				0.0	34.8	80.6	141.6	0.0	0.0	
152.00		60.2	106.0				0.0	34.8	60.2	140.8	0.0	0.0	
152.50	Top - Section 5	40.0	52.7				0.0	17.4	40.0	70.1	0.0	0.0	
153.00		59.8	22.7				0.0	17.4	59.8	40.2	0.0	0.0	
154.00		79.4	45.3				0.0	34.8	79.4	80.1	0.0	0.0	
155.00		79.0	44.9				0.0	34.8	79.0	79.8	0.0	0.0	
156.00		78.6	44.6				0.0	34.8	78.6	79.4	0.0	0.0	

Site Number: 302535

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Customer: T- Mobile

Load Case: 0.9D + 1.6W

110 mph with No Ice (Reduced DL)

36 Iterations

Gust Response Factor : 1.10

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Dead Load Factor : 0.90

Wind Load Factor : 1.60

157.00		78.2	44.3				0.0	34.8	78.2	79.1	0.0	0.0	
158.00		77.7	44.0				0.0	34.8	77.7	78.8	0.0	0.0	
159.00		77.3	43.7				0.0	34.8	77.3	78.5	0.0	0.0	
160.00		76.9	43.3				0.0	34.8	76.9	78.2	0.0	0.0	
161.00		76.5	43.0				0.0	34.8	76.5	77.8	0.0	0.0	
162.00		76.0	42.7				0.0	34.8	76.0	77.5	0.0	0.0	
163.00		75.6	42.4				0.0	34.8	75.6	77.2	0.0	0.0	
164.00		75.2	42.1				0.0	34.8	75.2	76.9	0.0	0.0	
165.00		74.7	41.8				0.0	34.8	74.7	76.6	0.0	0.0	
166.00		74.3	41.4				0.0	34.8	74.3	76.2	0.0	0.0	
167.00	Appertunance(s)	73.9	41.1	4,523.0	0.0	-2,924.9	2,463.3	0.0	34.8	4,596.9	2,539.2	0.0	0.0
168.00		73.4	40.8					0.0	27.1	73.4	67.9	0.0	0.0
169.00		73.0	40.5					0.0	27.1	73.0	67.6	0.0	0.0
170.00		72.5	40.2					0.0	27.1	72.5	67.3	0.0	0.0
171.00		72.1	39.8					0.0	27.1	72.1	66.9	0.0	0.0
172.00		71.6	39.5					0.0	27.1	71.6	66.6	0.0	0.0
173.00		71.1	39.2					0.0	27.1	71.1	66.3	0.0	0.0
174.00		100.5	38.9					0.0	27.1	100.5	66.0	0.0	0.0
175.00	Appertunance(s)	100.0	38.6	633.4	0.0	0.0	71.3	26.2	27.1	759.6	136.9	0.0	0.0
176.00		69.8	38.2					0.0	22.7	69.8	60.9	0.0	0.0
177.00		69.3	37.9					0.0	22.7	69.3	60.6	0.0	0.0
178.00		68.8	37.6					0.0	22.7	68.8	60.3	0.0	0.0
179.00		68.4	37.3					0.0	22.7	68.4	60.0	0.0	0.0
180.00		67.9	37.0					0.0	22.7	67.9	59.6	0.0	0.0
181.00		67.4	36.7					0.0	22.7	67.4	59.3	0.0	0.0
182.00		66.9	36.3					0.0	22.7	66.9	59.0	0.0	0.0
183.00	Appertunance(s)	33.3	36.0	4,770.4	0.0	1,410.8	2,158.4	0.0	22.7	4,803.8	2,217.1	0.0	0.0
									Totals:	44,273.4	50,798.0	0.00	0.00

Load Case: 0.9D + 1.6W

110 mph with No Ice (Reduced DL)

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

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	-50.78	-44.25	0.00	-5,413.68	0.00	5,413.68	4,364.17	2,182.08	8,607.44	4,310.12	0.00	0.00	0.945
1.00	-50.44	-44.20	0.00	-5,369.43	0.00	5,369.43	4,348.30	2,174.15	8,544.66	4,278.68	0.01	-0.05	0.943
2.00	-50.11	-44.14	0.00	-5,325.24	0.00	5,325.24	4,332.44	2,166.22	8,482.10	4,247.36	0.02	-0.10	0.941
3.00	-49.78	-44.09	0.00	-5,281.09	0.00	5,281.09	4,316.57	2,158.29	8,419.78	4,216.15	0.05	-0.15	0.939
4.00	-49.45	-44.04	0.00	-5,237.00	0.00	5,237.00	4,300.71	2,150.36	8,357.68	4,185.05	0.09	-0.21	0.937
5.00	-49.12	-43.99	0.00	-5,192.96	0.00	5,192.96	4,284.85	2,142.42	8,295.82	4,154.08	0.14	-0.26	0.935
6.00	-48.73	-43.94	0.00	-5,148.97	0.00	5,148.97	4,268.98	2,134.49	8,234.19	4,123.21	0.20	-0.31	0.933
7.00	-48.34	-43.88	0.00	-5,105.04	0.00	5,105.04	4,253.12	2,126.56	8,172.78	4,092.46	0.27	-0.36	0.931
8.00	-47.96	-43.83	0.00	-5,061.16	0.00	5,061.16	4,237.26	2,118.63	8,111.60	4,061.83	0.35	-0.41	0.929
9.00	-47.57	-43.78	0.00	-5,017.33	0.00	5,017.33	4,221.39	2,110.70	8,050.66	4,031.31	0.44	-0.46	0.926
10.00	-47.18	-43.72	0.00	-4,973.55	0.00	4,973.55	4,205.53	2,102.76	7,989.95	4,000.91	0.54	-0.51	0.924
11.00	-46.80	-43.67	0.00	-4,929.83	0.00	4,929.83	4,189.66	2,094.83	7,929.46	3,970.62	0.66	-0.57	0.922
12.00	-46.41	-43.61	0.00	-4,886.16	0.00	4,886.16	4,173.80	2,086.90	7,869.20	3,940.45	0.78	-0.62	0.919
13.00	-46.03	-43.56	0.00	-4,842.55	0.00	4,842.55	4,157.94	2,078.97	7,809.18	3,910.39	0.92	-0.67	0.917
14.00	-45.65	-43.51	0.00	-4,798.99	0.00	4,798.99	4,142.07	2,071.04	7,749.38	3,880.45	1.06	-0.72	0.915
15.00	-45.27	-43.45	0.00	-4,755.49	0.00	4,755.49	4,126.21	2,063.10	7,689.82	3,850.62	1.22	-0.77	0.912
16.00	-44.89	-43.39	0.00	-4,712.04	0.00	4,712.04	4,110.34	2,055.17	7,630.48	3,820.91	1.39	-0.83	0.910
17.00	-44.51	-43.34	0.00	-4,668.64	0.00	4,668.64	4,094.48	2,047.24	7,571.37	3,791.31	1.57	-0.88	0.907
18.00	-44.13	-43.28	0.00	-4,625.30	0.00	4,625.30	4,078.62	2,039.31	7,512.50	3,761.83	1.76	-0.93	0.904
19.00	-43.75	-43.23	0.00	-4,582.02	0.00	4,582.02	4,062.75	2,031.38	7,453.85	3,732.47	1.96	-0.98	0.902
20.00	-43.38	-43.17	0.00	-4,538.79	0.00	4,538.79	4,046.89	2,023.44	7,395.44	3,703.21	2.17	-1.04	0.899
21.00	-43.00	-43.11	0.00	-4,495.62	0.00	4,495.62	4,031.02	2,015.51	7,337.25	3,674.08	2.39	-1.09	0.896
22.00	-42.64	-43.07	0.00	-4,452.51	0.00	4,452.51	4,015.16	2,007.58	7,279.29	3,645.06	2.63	-1.14	0.894
22.50	-42.45	-43.04	0.00	-4,430.97	0.00	4,430.97	4,007.23	2,003.61	7,250.40	3,630.59	2.75	-1.17	0.892
23.00	-42.25	-43.00	0.00	-4,409.45	0.00	4,409.45	3,999.30	1,999.65	7,221.56	3,616.15	2.87	-1.19	0.891
24.00	-41.88	-42.94	0.00	-4,366.45	0.00	4,366.45	3,983.43	1,991.72	7,164.07	3,587.36	3.13	-1.25	0.888
25.00	-41.51	-42.89	0.00	-4,323.51	0.00	4,323.51	3,967.57	1,983.78	7,106.80	3,558.68	3.40	-1.30	0.885
26.00	-41.14	-42.83	0.00	-4,280.63	0.00	4,280.63	3,951.70	1,975.85	7,049.76	3,530.12	3.67	-1.35	0.882
27.00	-40.77	-42.77	0.00	-4,237.80	0.00	4,237.80	3,935.84	1,967.92	6,992.95	3,501.67	3.96	-1.40	0.879
28.00	-40.41	-42.72	0.00	-4,195.03	0.00	4,195.03	3,919.98	1,959.99	6,936.37	3,473.34	4.26	-1.46	0.876
28.50	-40.23	-42.69	0.00	-4,173.67	0.00	4,173.67	3,912.04	1,956.02	6,908.17	3,459.22	4.42	-1.48	0.874
29.00	-39.93	-42.65	0.00	-4,152.32	0.00	4,152.32	3,904.11	1,952.06	6,880.03	3,445.13	4.57	-1.51	0.863
30.00	-39.35	-42.58	0.00	-4,109.67	0.00	4,109.67	3,888.25	1,944.12	6,823.91	3,417.03	4.90	-1.56	0.860
31.00	-38.77	-42.51	0.00	-4,067.09	0.00	4,067.09	3,872.38	1,936.19	6,768.02	3,389.04	5.23	-1.61	0.856
32.00	-38.19	-42.44	0.00	-4,024.58	0.00	4,024.58	3,856.52	1,928.26	6,712.36	3,361.17	5.57	-1.67	0.853
33.00	-37.62	-42.37	0.00	-3,982.14	0.00	3,982.14	3,840.66	1,920.33	6,656.93	3,333.41	5.93	-1.72	0.850
34.00	-37.05	-42.30	0.00	-3,939.77	0.00	3,939.77	3,824.79	1,912.40	6,601.73	3,305.77	6.29	-1.77	0.846
35.00	-36.47	-42.22	0.00	-3,897.47	0.00	3,897.47	3,809.62	1,909.81	6,548.12	3,278.16	6.67	-1.82	0.821
36.00	-36.11	-42.15	0.00	-3,855.25	0.00	3,855.25	3,883.76	1,941.88	6,808.07	3,409.09	7.06	-1.87	0.817
37.00	-35.75	-42.08	0.00	-3,813.09	0.00	3,813.09	3,867.90	1,933.95	6,752.24	3,381.14	7.45	-1.92	0.814
38.00	-35.39	-42.01	0.00	-3,771.01	0.00	3,771.01	3,852.03	1,926.02	6,696.65	3,353.30	7.86	-1.97	0.810
39.00	-35.03	-41.94	0.00	-3,729.00	0.00	3,729.00	3,836.17	1,918.08	6,641.29	3,325.58	8.28	-2.02	0.807
40.00	-34.67	-41.86	0.00	-3,687.06	0.00	3,687.06	3,820.30	1,910.15	6,586.15	3,297.97	8.71	-2.07	0.803
41.00	-34.31	-41.79	0.00	-3,645.20	0.00	3,645.20	3,804.44	1,902.22	6,531.25	3,270.48	9.15	-2.12	0.799
42.00	-33.95	-41.71	0.00	-3,603.41	0.00	3,603.41	3,788.58	1,894.29	6,476.57	3,243.10	9.60	-2.17	0.795
43.00	-33.60	-41.64	0.00	-3,561.70	0.00	3,561.70	3,772.71	1,886.36	6,422.13	3,215.84	10.06	-2.22	0.792
43.00	-33.60	-41.64	0.00	-3,561.70	0.00	3,561.70	3,772.71	1,886.36	6,422.13	3,215.84	10.06	-2.22	0.792
44.00	-33.24	-41.56	0.00	-3,520.07	0.00	3,520.07	3,756.85	1,878.42	6,367.91	3,188.69	10.53	-2.27	0.788
45.00	-32.89	-41.48	0.00	-3,478.51	0.00	3,478.51	3,740.98	1,870.49	6,313.93	3,161.66	11.01	-2.32	0.784
46.00	-32.54	-41.40	0.00	-3,437.03	0.00	3,437.03	3,725.12	1,862.56	6,260.17	3,134.74	11.50	-2.37	0.780

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:48 PM

Customer: T- Mobile

Load Case: 0.9D + 1.6W

110 mph with No Ice (Reduced DL)

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

47.00	-32.18	-41.32	0.00	-3,395.63	0.00	3,395.63	3,709.26	1,854.63	6,206.65	3,107.94	12.01	-2.42	0.776
48.00	-31.83	-41.24	0.00	-3,354.30	0.00	3,354.30	3,693.39	1,846.70	6,153.35	3,081.25	12.52	-2.47	0.772
49.00	-31.48	-41.16	0.00	-3,313.06	0.00	3,313.06	3,677.53	1,838.76	6,100.29	3,054.68	13.04	-2.52	0.768
50.00	-31.07	-40.97	0.00	-3,271.90	0.00	3,271.90	3,661.66	1,830.83	6,047.45	3,028.22	13.57	-2.57	0.764
51.00	-30.72	-40.89	0.00	-3,230.93	0.00	3,230.93	3,645.80	1,822.90	5,994.84	3,001.88	14.12	-2.62	0.759
52.00	-30.38	-40.80	0.00	-3,190.05	0.00	3,190.05	3,629.94	1,814.97	5,942.47	2,975.65	14.67	-2.66	0.755
53.00	-30.03	-40.72	0.00	-3,149.24	0.00	3,149.24	3,614.07	1,807.04	5,890.32	2,949.54	15.23	-2.71	0.751
54.00	-29.69	-40.60	0.00	-3,108.52	0.00	3,108.52	3,598.21	1,799.10	5,838.41	2,923.54	15.81	-2.76	0.746
55.00	-29.35	-40.40	0.00	-3,067.93	0.00	3,067.93	3,582.34	1,791.17	5,786.72	2,897.66	16.39	-2.81	0.742
56.00	-29.02	-40.19	0.00	-3,027.53	0.00	3,027.53	3,566.48	1,783.24	5,735.26	2,871.89	16.98	-2.86	0.737
57.00	-28.68	-39.99	0.00	-2,987.34	0.00	2,987.34	3,550.62	1,775.31	5,684.03	2,846.24	17.59	-2.91	0.733
58.00	-28.35	-39.79	0.00	-2,947.35	0.00	2,947.35	3,534.75	1,767.38	5,633.04	2,820.71	18.20	-2.96	0.728
59.00	-27.87	-39.57	0.00	-2,907.56	0.00	2,907.56	3,518.89	1,759.44	5,582.27	2,795.28	18.83	-3.01	0.716
60.00	-27.40	-39.36	0.00	-2,867.99	0.00	2,867.99	3,503.02	1,751.51	5,531.73	2,769.98	19.46	-3.05	0.711
61.00	-26.93	-39.14	0.00	-2,828.63	0.00	2,828.63	3,487.16	1,743.58	5,481.43	2,744.79	20.11	-3.10	0.707
62.00	-26.45	-38.92	0.00	-2,789.49	0.00	2,789.49	3,471.30	1,735.65	5,431.35	2,719.71	20.76	-3.15	0.702
63.00	-25.99	-38.74	0.00	-2,750.57	0.00	2,750.57	3,455.43	1,727.72	5,381.50	2,694.75	21.43	-3.20	0.697
63.50	-25.76	-38.63	0.00	-2,731.20	0.00	2,731.20	3,158.12	1,579.06	5,037.43	2,522.46	21.76	-3.22	0.685
64.00	-25.61	-38.49	0.00	-2,711.89	0.00	2,711.89	3,152.80	1,576.40	5,017.53	2,512.49	22.10	-3.24	0.682
65.00	-25.32	-38.28	0.00	-2,673.40	0.00	2,673.40	3,142.13	1,571.07	4,977.80	2,492.60	22.79	-3.30	0.676
66.00	-25.04	-38.08	0.00	-2,635.11	0.00	2,635.11	3,131.44	1,565.72	4,938.17	2,472.75	23.48	-3.35	0.670
67.00	-24.75	-37.87	0.00	-2,597.04	0.00	2,597.04	3,120.71	1,560.35	4,898.65	2,452.96	24.19	-3.41	0.664
68.00	-24.47	-37.66	0.00	-2,559.17	0.00	2,559.17	3,109.92	1,554.96	4,859.19	2,433.21	24.91	-3.46	0.658
69.00	-24.19	-37.45	0.00	-2,521.51	0.00	2,521.51	3,095.65	1,547.82	4,814.46	2,410.81	25.64	-3.51	0.653
70.00	-23.91	-37.24	0.00	-2,484.06	0.00	2,484.06	3,081.37	1,540.68	4,769.94	2,388.51	26.38	-3.57	0.648
71.00	-23.63	-37.03	0.00	-2,446.82	0.00	2,446.82	3,067.09	1,533.55	4,725.62	2,366.32	27.14	-3.62	0.643
72.00	-23.35	-36.82	0.00	-2,409.79	0.00	2,409.79	3,052.81	1,526.41	4,681.51	2,344.23	27.90	-3.68	0.638
73.00	-23.08	-36.61	0.00	-2,372.97	0.00	2,372.97	3,038.54	1,519.27	4,637.61	2,322.25	28.68	-3.73	0.632
74.00	-22.80	-36.40	0.00	-2,336.36	0.00	2,336.36	3,024.26	1,512.13	4,593.91	2,300.37	29.46	-3.78	0.627
75.00	-22.53	-36.18	0.00	-2,299.96	0.00	2,299.96	3,009.98	1,504.99	4,550.42	2,278.59	30.26	-3.83	0.622
76.00	-22.25	-35.97	0.00	-2,263.78	0.00	2,263.78	2,995.70	1,497.85	4,507.14	2,256.92	31.07	-3.89	0.616
77.00	-21.98	-35.76	0.00	-2,227.81	0.00	2,227.81	2,981.43	1,490.71	4,464.06	2,235.35	31.89	-3.94	0.611
78.00	-21.71	-35.54	0.00	-2,192.05	0.00	2,192.05	2,967.15	1,483.57	4,421.19	2,213.88	32.72	-3.99	0.605
79.00	-21.44	-35.33	0.00	-2,156.51	0.00	2,156.51	2,952.87	1,476.44	4,378.53	2,192.52	33.56	-4.04	0.600
80.00	-21.17	-35.11	0.00	-2,121.18	0.00	2,121.18	2,938.59	1,469.30	4,336.07	2,171.26	34.41	-4.09	0.594
81.00	-20.91	-34.90	0.00	-2,086.07	0.00	2,086.07	2,924.32	1,462.16	4,293.83	2,150.10	35.27	-4.15	0.589
82.00	-20.64	-34.68	0.00	-2,051.17	0.00	2,051.17	2,910.04	1,455.02	4,251.78	2,129.05	36.15	-4.20	0.583
83.00	-20.38	-34.47	0.00	-2,016.48	0.00	2,016.48	2,895.76	1,447.88	4,209.95	2,108.10	37.03	-4.25	0.577
84.00	-20.11	-34.25	0.00	-1,982.02	0.00	1,982.02	2,881.48	1,440.74	4,168.32	2,087.26	37.93	-4.30	0.572
85.00	-19.85	-34.03	0.00	-1,947.77	0.00	1,947.77	2,867.21	1,433.60	4,126.90	2,066.52	38.83	-4.35	0.566
86.00	-19.59	-33.82	0.00	-1,913.73	0.00	1,913.73	2,852.93	1,426.46	4,085.69	2,045.88	39.75	-4.40	0.560
87.00	-19.33	-33.60	0.00	-1,879.92	0.00	1,879.92	2,838.65	1,419.33	4,044.68	2,025.35	40.67	-4.45	0.554
88.00	-19.07	-33.38	0.00	-1,846.32	0.00	1,846.32	2,824.37	1,412.19	4,003.88	2,004.91	41.61	-4.50	0.548
89.00	-18.71	-33.15	0.00	-1,812.94	0.00	1,812.94	2,810.09	1,405.05	3,963.28	1,984.59	42.56	-4.55	0.536
90.00	-18.34	-32.92	0.00	-1,779.79	0.00	1,779.79	2,795.82	1,397.91	3,922.90	1,964.36	43.52	-4.60	0.530
91.00	-17.98	-32.69	0.00	-1,746.87	0.00	1,746.87	2,781.54	1,390.77	3,882.72	1,944.24	44.48	-4.64	0.524
92.00	-17.63	-32.46	0.00	-1,714.18	0.00	1,714.18	2,767.26	1,383.63	3,842.74	1,924.23	45.46	-4.69	0.518
93.00	-17.27	-32.23	0.00	-1,681.72	0.00	1,681.72	2,292.76	1,146.38	3,238.31	1,621.56	46.45	-4.74	0.570
94.00	-17.03	-32.01	0.00	-1,649.49	0.00	1,649.49	2,284.25	1,142.13	3,209.75	1,607.26	47.44	-4.79	0.562
95.00	-16.80	-31.79	0.00	-1,617.48	0.00	1,617.48	2,275.71	1,137.86	3,181.27	1,593.00	48.45	-4.84	0.555
96.00	-16.57	-31.57	0.00	-1,585.70	0.00	1,585.70	2,267.14	1,133.57	3,152.86	1,578.78	49.47	-4.89	0.547
97.00	-16.34	-31.34	0.00	-1,554.13	0.00	1,554.13	2,258.54	1,129.27	3,124.54	1,564.59	50.50	-4.94	0.539
98.00	-16.11	-31.12	0.00	-1,522.79	0.00	1,522.79	2,249.90	1,124.95	3,096.30	1,550.45	51.54	-4.99	0.531
99.00	-15.88	-30.90	0.00	-1,491.67	0.00	1,491.67	2,241.24	1,120.62	3,068.14	1,536.35	52.59	-5.03	0.524
100.00	-15.65	-30.68	0.00	-1,460.76	0.00	1,460.76	2,232.54	1,116.27	3,040.06	1,522.29	53.64	-5.08	0.516
101.00	-15.42	-30.46	0.00	-1,430.08	0.00	1,430.08	2,223.81	1,111.90	3,012.06	1,508.27	54.71	-5.13	0.508
102.00	-15.20	-30.24	0.00	-1,399.63	0.00	1,399.63	2,215.04	1,107.52	2,984.14	1,494.29	55.79	-5.18	0.500

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:48 PM

Customer: T- Mobile

Load Case: 0.9D + 1.6W

110 mph with No Ice (Reduced DL)

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

103.00	-14.97	-30.02	0.00	-1,369.39	0.00	1,369.39	2,206.25	1,103.12	2,956.31	1,480.35	56.88	-5.22	0.492
104.00	-14.75	-29.79	0.00	-1,339.37	0.00	1,339.37	2,197.42	1,098.71	2,928.57	1,466.46	57.98	-5.27	0.485
105.00	-14.53	-29.57	0.00	-1,309.58	0.00	1,309.58	2,188.56	1,094.28	2,900.91	1,452.61	59.09	-5.32	0.477
105.00	-14.53	-29.57	0.00	-1,309.58	0.00	1,309.58	2,188.56	1,094.28	2,900.91	1,452.61	59.09	-5.32	0.909
106.00	-14.35	-29.36	0.00	-1,280.01	0.00	1,280.01	2,179.67	1,089.83	2,873.33	1,438.80	60.20	-5.36	0.897
107.00	-14.17	-29.15	0.00	-1,250.65	0.00	1,250.65	2,170.74	1,085.37	2,845.85	1,425.04	61.33	-5.45	0.885
108.00	-13.99	-28.95	0.00	-1,221.50	0.00	1,221.50	2,161.78	1,080.89	2,818.44	1,411.32	62.48	-5.53	0.873
109.00	-13.81	-28.74	0.00	-1,192.55	0.00	1,192.55	2,150.55	1,075.28	2,788.22	1,396.18	63.65	-5.62	0.861
110.00	-13.64	-28.53	0.00	-1,163.81	0.00	1,163.81	2,138.65	1,069.33	2,757.31	1,380.70	64.84	-5.70	0.850
111.00	-13.46	-28.37	0.00	-1,135.27	0.00	1,135.27	2,126.76	1,063.38	2,726.56	1,365.31	66.04	-5.79	0.839
112.00	-13.27	-28.28	0.00	-1,106.91	0.00	1,106.91	2,114.86	1,057.43	2,695.99	1,350.00	67.26	-5.87	0.827
113.00	-13.09	-28.15	0.00	-1,078.63	0.00	1,078.63	2,102.96	1,051.48	2,665.59	1,334.78	68.49	-5.95	0.815
114.00	-12.92	-27.96	0.00	-1,050.47	0.00	1,050.47	2,091.06	1,045.53	2,635.36	1,319.64	69.75	-6.04	0.803
115.00	-12.74	-27.76	0.00	-1,022.52	0.00	1,022.52	2,079.16	1,039.58	2,605.31	1,304.59	71.02	-6.12	0.791
116.00	-12.58	-27.60	0.00	-994.76	0.00	994.76	2,067.27	1,033.63	2,575.43	1,289.63	72.31	-6.20	0.778
116.50	-12.49	-27.50	0.00	-980.96	0.00	980.96	2,061.32	1,030.66	2,560.55	1,282.18	72.96	-6.24	0.772
117.00	-12.37	-27.36	0.00	-967.21	0.00	967.21	2,055.37	1,027.68	2,545.72	1,274.75	73.61	-6.28	0.765
118.00	-12.13	-27.15	0.00	-939.86	0.00	939.86	2,043.47	1,021.73	2,516.18	1,259.96	74.93	-6.36	0.753
119.00	-11.89	-26.94	0.00	-912.71	0.00	912.71	2,031.57	1,015.79	2,486.81	1,245.26	76.27	-6.43	0.740
120.00	-11.65	-26.73	0.00	-885.77	0.00	885.77	2,019.67	1,009.84	2,457.62	1,230.64	77.62	-6.51	0.726
121.00	-11.42	-26.52	0.00	-859.05	0.00	859.05	1,562.89	781.45	1,930.84	966.86	78.99	-6.59	0.897
122.00	-11.27	-26.32	0.00	-832.53	0.00	832.53	1,556.55	778.28	1,911.74	957.29	80.38	-6.66	0.878
123.00	-11.12	-26.12	0.00	-806.21	0.00	806.21	1,550.18	775.09	1,892.68	947.75	81.78	-6.75	0.859
124.00	-10.98	-25.92	0.00	-780.09	0.00	780.09	1,543.77	771.89	1,873.68	938.23	83.20	-6.83	0.840
125.00	-10.83	-25.73	0.00	-754.17	0.00	754.17	1,537.34	768.67	1,854.73	928.74	84.64	-6.92	0.820
126.00	-8.77	-20.03	0.00	-728.44	0.00	728.44	1,530.87	765.43	1,835.84	919.28	86.09	-7.00	0.799
127.00	-8.65	-19.83	0.00	-708.41	0.00	708.41	1,524.37	762.18	1,817.00	909.85	87.56	-7.08	0.785
128.00	-8.53	-19.63	0.00	-688.58	0.00	688.58	1,517.84	758.92	1,798.22	900.45	89.05	-7.16	0.771
129.00	-8.41	-19.44	0.00	-668.94	0.00	668.94	1,511.27	755.64	1,779.50	891.07	90.56	-7.24	0.757
130.00	-8.29	-19.24	0.00	-649.51	0.00	649.51	1,504.67	752.34	1,760.83	881.72	92.08	-7.32	0.743
131.00	-8.18	-19.04	0.00	-630.27	0.00	630.27	1,498.04	749.02	1,742.22	872.40	93.62	-7.40	0.729
132.00	-8.06	-18.84	0.00	-611.23	0.00	611.23	1,491.38	745.69	1,723.67	863.12	95.17	-7.48	0.714
133.00	-7.95	-18.65	0.00	-592.39	0.00	592.39	1,484.69	742.34	1,705.18	853.86	96.74	-7.55	0.700
134.00	-7.83	-18.45	0.00	-573.74	0.00	573.74	1,477.96	738.98	1,686.75	844.63	98.33	-7.63	0.685
135.00	-7.72	-18.25	0.00	-555.29	0.00	555.29	1,471.20	735.60	1,668.38	835.43	99.93	-7.70	0.671
136.00	-7.61	-18.06	0.00	-537.04	0.00	537.04	1,464.41	732.21	1,650.07	826.26	101.54	-7.78	0.656
137.00	-7.50	-17.86	0.00	-518.99	0.00	518.99	1,457.59	728.80	1,631.83	817.13	103.18	-7.85	0.641
138.00	-7.39	-17.66	0.00	-501.13	0.00	501.13	1,450.74	725.37	1,613.64	808.02	104.82	-7.92	0.626
139.00	-7.28	-17.47	0.00	-483.47	0.00	483.47	1,443.85	721.92	1,595.53	798.95	106.49	-7.99	0.611
140.00	-7.18	-17.27	0.00	-466.00	0.00	466.00	1,436.93	718.47	1,577.47	789.91	108.16	-8.06	0.596
141.00	-7.07	-17.08	0.00	-448.73	0.00	448.73	1,429.98	714.99	1,559.48	780.90	109.85	-8.13	0.580
142.00	-6.97	-16.88	0.00	-431.65	0.00	431.65	1,423.00	711.50	1,541.56	771.93	111.56	-8.20	0.565
143.00	-6.87	-16.69	0.00	-414.77	0.00	414.77	1,415.98	707.99	1,523.71	762.99	113.27	-8.26	0.549
144.00	-6.76	-16.49	0.00	-398.09	0.00	398.09	1,408.93	704.47	1,505.92	754.08	115.01	-8.32	0.533
145.00	-5.76	-13.81	0.00	-381.60	0.00	381.60	1,401.85	700.93	1,488.20	745.20	116.75	-8.39	0.517
146.00	-5.66	-13.72	0.00	-367.79	0.00	367.79	1,394.74	697.37	1,470.54	736.36	118.51	-8.45	0.504
147.00	-5.56	-13.63	0.00	-354.07	0.00	354.07	1,387.60	693.80	1,452.96	727.56	120.28	-8.51	0.491
148.00	-5.47	-13.54	0.00	-340.43	0.00	340.43	1,379.83	689.92	1,434.84	718.48	122.06	-8.57	0.478
149.00	-5.37	-13.45	0.00	-326.89	0.00	326.89	1,370.32	685.16	1,415.01	708.56	123.85	-8.63	0.466
150.00	-5.23	-13.36	0.00	-313.44	0.00	313.44	1,360.80	680.40	1,395.33	698.70	125.66	-8.68	0.453
151.00	-5.09	-13.26	0.00	-300.08	0.00	300.08	1,351.28	675.64	1,375.78	688.91	127.48	-8.74	0.440
152.00	-4.95	-13.18	0.00	-286.82	0.00	286.82	1,341.76	670.88	1,356.37	679.19	129.31	-8.79	0.426
152.50	-4.88	-13.14	0.00	-280.22	0.00	280.22	942.35	471.17	968.66	485.05	130.23	-8.82	0.584
153.00	-4.84	-13.08	0.00	-273.66	0.00	273.66	940.20	470.10	963.05	482.24	131.15	-8.85	0.573
154.00	-4.76	-12.99	0.00	-260.58	0.00	260.58	935.87	467.94	951.84	476.63	133.00	-8.91	0.553
155.00	-4.67	-12.90	0.00	-247.59	0.00	247.59	931.51	465.76	940.66	471.03	134.87	-8.97	0.531
156.00	-4.59	-12.82	0.00	-234.69	0.00	234.69	927.12	463.56	929.51	465.45	136.75	-9.04	0.510

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:49 PM

Customer: T- Mobile

Load Case: 0.9D + 1.6W

110 mph with No Ice (Reduced DL)

36 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

157.00	-4.52	-12.73	0.00	-221.87	0.00	221.87	922.70	461.35	918.40	459.88	138.64	-9.10	0.488
158.00	-4.44	-12.65	0.00	-209.13	0.00	209.13	918.25	459.12	907.31	454.33	140.54	-9.15	0.466
159.00	-4.36	-12.56	0.00	-196.48	0.00	196.48	913.76	456.88	896.26	448.80	142.46	-9.21	0.443
160.00	-4.29	-12.48	0.00	-183.92	0.00	183.92	909.24	454.62	885.24	443.28	144.38	-9.26	0.420
161.00	-4.21	-12.40	0.00	-171.44	0.00	171.44	904.69	452.35	874.26	437.78	146.32	-9.31	0.397
162.00	-4.14	-12.31	0.00	-159.04	0.00	159.04	900.11	450.06	863.31	432.30	148.27	-9.36	0.373
163.00	-4.06	-12.23	0.00	-146.73	0.00	146.73	895.50	447.75	852.40	426.83	150.22	-9.41	0.349
164.00	-3.99	-12.14	0.00	-134.51	0.00	134.51	890.85	445.42	841.52	421.39	152.19	-9.45	0.324
165.00	-3.92	-12.06	0.00	-122.36	0.00	122.36	886.17	443.09	830.68	415.96	154.17	-9.49	0.299
166.00	-3.85	-11.98	0.00	-110.30	0.00	110.30	881.46	440.73	819.88	410.55	156.15	-9.53	0.274
167.00	-2.10	-7.02	0.00	-98.33	0.00	98.33	876.72	438.36	809.12	405.16	158.14	-9.56	0.245
168.00	-2.04	-6.94	0.00	-91.30	0.00	91.30	871.94	435.97	798.40	399.79	160.13	-9.59	0.231
169.00	-1.99	-6.86	0.00	-84.36	0.00	84.36	867.13	433.57	787.71	394.44	162.14	-9.62	0.216
170.00	-1.93	-6.78	0.00	-77.50	0.00	77.50	862.29	431.15	777.07	389.11	164.15	-9.65	0.202
171.00	-1.87	-6.70	0.00	-70.73	0.00	70.73	857.42	428.71	766.47	383.80	166.16	-9.68	0.187
172.00	-1.82	-6.61	0.00	-64.03	0.00	64.03	852.52	426.26	755.91	378.52	168.18	-9.70	0.172
173.00	-1.76	-6.53	0.00	-57.42	0.00	57.42	847.58	423.79	745.39	373.25	170.21	-9.72	0.156
174.00	-1.71	-6.42	0.00	-50.88	0.00	50.88	842.61	421.31	734.92	368.01	172.23	-9.74	0.141
175.00	-1.70	-5.65	0.00	-44.46	0.00	44.46	837.61	418.81	724.49	362.78	174.27	-9.76	0.125
176.00	-1.65	-5.57	0.00	-38.80	0.00	38.80	832.58	416.29	714.11	357.59	176.30	-9.78	0.111
177.00	-1.60	-5.50	0.00	-33.23	0.00	33.23	827.51	413.76	703.77	352.41	178.35	-9.79	0.096
178.00	-1.55	-5.42	0.00	-27.73	0.00	27.73	822.42	411.21	693.48	347.26	180.39	-9.81	0.082
179.00	-1.51	-5.34	0.00	-22.32	0.00	22.32	817.29	408.64	683.23	342.12	182.43	-9.82	0.067
180.00	-1.46	-5.26	0.00	-16.97	0.00	16.97	812.13	406.06	673.04	337.02	184.48	-9.83	0.052
181.00	-1.41	-5.19	0.00	-11.71	0.00	11.71	806.93	403.47	662.89	331.94	186.53	-9.83	0.037
182.00	-1.36	-5.11	0.00	-6.52	0.00	6.52	801.71	400.85	652.79	326.88	188.58	-9.84	0.022
183.00	0.00	-4.80	0.00	-1.41	0.00	1.41	796.45	398.23	642.74	321.85	190.63	-9.84	0.005

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:07:49 PM

Customer: T-Mobile

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 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 : 1.00

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		12.0	0.0					0.0	0.0	12.0	0.0	0.0	0.0
1.00		24.0	372.4					0.0	91.1	24.0	463.5	0.0	0.0
2.00		24.0	378.2					0.0	92.3	24.0	470.5	0.0	0.0
3.00		24.0	380.5					0.0	92.9	24.0	473.4	0.0	0.0
4.00		23.9	381.6					0.0	93.3	23.9	474.9	0.0	0.0
5.00		23.9	382.1					0.0	93.7	23.9	475.8	0.0	0.0
6.00		23.8	382.3					0.0	242.6	23.8	624.9	0.0	0.0
7.00		23.7	382.2					0.0	244.0	23.7	626.2	0.0	0.0
8.00		23.7	381.9					0.0	245.3	23.7	627.2	0.0	0.0
9.00		23.6	381.5					0.0	246.4	23.6	627.9	0.0	0.0
10.00		23.5	381.0					0.0	247.4	23.5	628.4	0.0	0.0
11.00		23.5	380.4					0.0	248.3	23.5	628.7	0.0	0.0
12.00		23.4	379.7					0.0	249.1	23.4	628.9	0.0	0.0
13.00		23.3	379.0					0.0	249.9	23.3	628.9	0.0	0.0
14.00		23.2	378.2					0.0	250.6	23.2	628.9	0.0	0.0
15.00		23.2	377.4					0.0	251.3	23.2	628.7	0.0	0.0
16.00		23.1	376.5					0.0	252.0	23.1	628.5	0.0	0.0
17.00		23.0	375.6					0.0	252.6	23.0	628.2	0.0	0.0
18.00		22.9	374.7					0.0	253.2	22.9	627.8	0.0	0.0
19.00		22.9	373.7					0.0	253.7	22.9	627.4	0.0	0.0
20.00		22.8	372.7					0.0	254.2	22.8	626.9	0.0	0.0
21.00		22.7	371.7					0.0	254.7	22.7	626.4	0.0	0.0
22.00		17.0	370.6					0.0	255.2	17.0	625.8	0.0	0.0
22.50	Reinf. Top Reinf	11.3	185.0					0.0	127.8	11.3	312.7	0.0	0.0
23.00		16.9	184.7					0.0	127.9	16.9	312.6	0.0	0.0
24.00		22.5	368.5					0.0	256.1	22.5	624.6	0.0	0.0
25.00		22.4	367.4					0.0	256.5	22.4	623.9	0.0	0.0
26.00		22.3	366.3					0.0	257.0	22.3	623.3	0.0	0.0
27.00		22.2	365.2					0.0	257.4	22.2	622.5	0.0	0.0
28.00		16.6	364.0					0.0	257.7	16.6	621.8	0.0	0.0
28.50	Bot - Section 2	11.2	181.6					0.0	129.0	11.2	310.6	0.0	0.0
29.00		16.9	325.1					0.0	129.1	16.9	454.2	0.0	0.0
30.00		22.5	648.4					0.0	258.5	22.5	906.9	0.0	0.0
31.00		22.6	646.1					0.0	258.8	22.6	905.0	0.0	0.0
32.00		22.8	643.8					0.0	259.2	22.8	903.0	0.0	0.0
33.00		22.9	641.5					0.0	259.5	22.9	901.0	0.0	0.0
34.00		23.0	639.2					0.0	259.8	23.0	899.0	0.0	0.0
35.00	Top - Section 1	23.1	636.8					0.0	260.1	23.1	897.0	0.0	0.0
36.00		23.2	362.9					0.0	260.5	23.2	623.4	0.0	0.0
37.00		23.3	361.7					0.0	260.8	23.3	622.5	0.0	0.0
38.00		23.4	360.5					0.0	261.1	23.4	621.5	0.0	0.0
39.00		23.5	359.2					0.0	261.3	23.5	620.6	0.0	0.0
40.00		23.6	358.0					0.0	261.6	23.6	619.6	0.0	0.0
41.00		23.7	356.7					0.0	261.9	23.7	618.6	0.0	0.0
42.00		23.7	355.5					0.0	262.2	23.7	617.6	0.0	0.0
43.00	Reinf. Top Reinf	23.8	354.2					0.0	262.4	23.8	616.7	0.0	0.0
44.00		23.9	352.9					0.0	262.7	23.9	615.6	0.0	0.0
45.00		23.9	351.7					0.0	262.9	23.9	614.6	0.0	0.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:02 PM

Customer: T- Mobile

Load Case: 1.2D + 1.0Di + 1.0Wi	50 mph with 0.75 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 : 1.00			
Wind Load Factor : 1.00								

46.00		24.0	350.4					0.0	263.2	24.0	613.6	0.0	0.0
47.00		24.0	349.1					0.0	263.4	24.0	612.5	0.0	0.0
48.00		24.1	347.8					0.0	263.7	24.1	611.5	0.0	0.0
49.00		24.2	346.5					0.0	263.9	24.2	610.4	0.0	0.0
50.00	Appertunance(s)	24.2	345.2	21.8	0.0	0.0	32.4	0.0	264.1	46.0	641.7	0.0	0.0
51.00		24.2	343.9					0.0	264.4	24.2	608.3	0.0	0.0
52.00		24.3	342.6					0.0	264.6	24.3	607.2	0.0	0.0
53.00		24.3	341.3					0.0	264.8	24.3	606.1	0.0	0.0
54.00		24.4	340.0					0.0	265.0	24.4	605.0	0.0	0.0
55.00		24.4	338.7					11.5	265.2	35.9	603.9	0.0	0.0
56.00		24.4	337.3					11.6	265.4	36.0	602.8	0.0	0.0
57.00		24.4	336.0					11.7	265.7	36.1	601.7	0.0	0.0
58.00	Bot - Section 3	24.7	334.7					11.8	265.9	36.4	600.5	0.0	0.0
59.00		24.9	528.1					11.8	266.1	36.8	794.1	0.0	0.0
60.00		24.9	525.9					11.9	266.3	36.8	792.1	0.0	0.0
61.00		25.0	523.7					12.0	266.4	36.9	790.1	0.0	0.0
62.00		25.0	521.5					12.0	266.6	37.0	788.1	0.0	0.0
63.00		18.7	519.3					12.1	266.8	30.9	786.1	0.0	0.0
63.50	Top - Section 2	12.5	258.9					6.1	133.5	18.6	392.4	0.0	0.0
64.00		18.8	135.3					6.1	133.5	24.9	268.8	0.0	0.0
65.00		25.0	269.7					12.2	267.2	37.3	536.9	0.0	0.0
66.00		25.0	268.6					12.3	267.4	37.3	536.0	0.0	0.0
67.00		25.0	267.6					12.4	267.6	37.4	535.1	0.0	0.0
68.00		25.0	266.5					12.4	267.7	37.5	534.2	0.0	0.0
69.00		25.0	265.4					12.5	267.9	37.5	533.3	0.0	0.0
70.00		25.0	264.3					12.6	268.1	37.6	532.4	0.0	0.0
71.00		25.0	263.2					12.6	268.2	37.7	531.5	0.0	0.0
72.00		25.0	262.2					12.7	268.4	37.7	530.6	0.0	0.0
73.00		25.0	261.1					12.7	268.6	37.8	529.7	0.0	0.0
74.00		25.0	260.0					12.8	268.7	37.8	528.7	0.0	0.0
75.00		25.0	258.9					12.9	268.9	37.9	527.8	0.0	0.0
76.00		25.0	257.8					12.9	269.1	37.9	526.9	0.0	0.0
77.00		25.0	256.7					13.0	269.2	38.0	525.9	0.0	0.0
78.00		25.0	255.6					13.0	269.4	38.0	525.0	0.0	0.0
79.00		25.0	254.5					13.1	269.5	38.1	524.0	0.0	0.0
80.00		24.9	253.4					13.2	269.7	38.1	523.1	0.0	0.0
81.00		24.9	252.3					13.2	269.8	38.1	522.1	0.0	0.0
82.00		24.9	251.2					13.3	270.0	38.2	521.2	0.0	0.0
83.00		24.9	250.0					13.3	270.1	38.2	520.2	0.0	0.0
84.00		24.9	248.9					13.4	270.3	38.2	519.2	0.0	0.0
85.00		24.8	247.8					13.4	270.4	38.3	518.2	0.0	0.0
86.00		24.8	246.7					13.5	270.6	38.3	517.3	0.0	0.0
87.00		24.8	245.6					13.6	270.7	38.3	516.3	0.0	0.0
88.00	Bot - Section 4	24.9	244.5					13.6	270.9	38.6	515.3	0.0	0.0
89.00		25.1	387.2					13.7	271.0	38.8	658.2	0.0	0.0
90.00		25.1	385.4					13.7	271.1	38.8	656.5	0.0	0.0
91.00		25.1	383.5					13.8	271.3	38.8	654.8	0.0	0.0
92.00		25.0	381.7					13.8	271.4	38.8	653.1	0.0	0.0
93.00	Top - Section 3	25.0	379.9					13.9	271.5	38.9	651.4	0.0	0.0
94.00		24.9	214.5					13.9	271.7	38.9	486.2	0.0	0.0
95.00		24.9	213.5					14.0	271.8	38.9	485.4	0.0	0.0
96.00		24.9	212.6					14.0	271.9	38.9	484.5	0.0	0.0
97.00		24.8	211.6					14.1	272.1	38.9	483.6	0.0	0.0
98.00		24.8	210.6					14.1	272.2	38.9	482.8	0.0	0.0
99.00		24.7	209.6					14.2	272.3	38.9	481.9	0.0	0.0
100.00		24.7	208.6					14.2	272.4	38.9	481.0	0.0	0.0
101.00		24.7	207.6					14.3	272.6	38.9	480.1	0.0	0.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:02 PM

Customer: T- Mobile

Load Case: 1.2D + 1.0Di + 1.0Wi	50 mph with 0.75 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 : 1.00			
Wind Load Factor : 1.00								

102.00		24.6	206.6					14.3	272.7	38.9	479.3	0.0	0.0
103.00		24.6	205.6					14.4	272.8	38.9	478.4	0.0	0.0
104.00		24.5	204.6					14.4	272.9	38.9	477.5	0.0	0.0
105.00	Reinf. Top	24.5	203.6					14.5	273.1	38.9	476.6	0.0	0.0
106.00		24.4	202.6					14.5	193.0	38.9	395.6	0.0	0.0
107.00		24.4	201.6					14.6	193.1	38.9	394.7	0.0	0.0
108.00		24.3	200.5					14.6	193.3	38.9	393.8	0.0	0.0
109.00		24.3	199.5					14.7	193.4	38.9	392.9	0.0	0.0
110.00		24.2	198.5					14.7	193.5	38.9	392.0	0.0	0.0
111.00		24.1	197.5					14.0	189.5	38.1	387.0	0.0	0.0
112.00		24.1	196.5					0.0	174.9	24.1	371.5	0.0	0.0
113.00		24.0	195.5					0.0	175.0	24.0	370.5	0.0	0.0
114.00		24.0	194.5					11.3	175.1	35.3	369.6	0.0	0.0
115.00		23.9	193.5					11.4	175.2	35.3	368.7	0.0	0.0
116.00		17.9	192.4					11.4	175.3	29.3	367.8	0.0	0.0
116.50	Bot - Section 5	12.0	95.9					5.7	87.7	17.7	183.6	0.0	0.0
117.00		18.1	146.1					5.7	87.7	23.8	233.8	0.0	0.0
118.00		24.1	290.9					11.5	175.5	35.5	466.4	0.0	0.0
119.00		24.0	289.3					11.5	175.6	35.5	464.9	0.0	0.0
120.00		23.9	287.7					11.5	175.7	35.5	463.4	0.0	0.0
121.00	Top - Section 4	23.9	286.1					11.6	175.8	35.4	461.9	0.0	0.0
122.00		23.8	165.4					11.6	174.7	35.4	340.0	0.0	0.0
123.00		23.7	164.5					11.6	174.8	35.4	339.3	0.0	0.0
124.00		23.7	163.6					11.7	174.9	35.3	338.5	0.0	0.0
125.00		23.6	162.7					11.7	174.9	35.3	337.7	0.0	0.0
126.00	Appertunance(s)	23.5	161.8	907.4	0.0	-130.9	7,139.2	11.7	175.0	942.7	7,476.1	0.0	0.0
127.00		23.5	160.9					11.8	158.9	35.2	319.9	0.0	0.0
128.00		23.4	160.1					11.8	159.0	35.2	319.1	0.0	0.0
129.00		23.3	159.2					11.8	159.1	35.1	318.3	0.0	0.0
130.00		23.3	158.3					11.9	159.2	35.1	317.5	0.0	0.0
131.00		23.2	157.4					11.9	159.3	35.1	316.7	0.0	0.0
132.00		23.1	156.5					11.9	159.4	35.0	315.9	0.0	0.0
133.00		23.0	155.6					11.9	159.4	35.0	315.0	0.0	0.0
134.00		23.0	154.7					12.0	159.5	34.9	314.2	0.0	0.0
135.00		22.9	153.8					12.0	159.6	34.9	313.4	0.0	0.0
136.00		22.8	152.9					12.0	159.7	34.8	312.6	0.0	0.0
137.00		22.7	152.0					12.1	159.8	34.8	311.8	0.0	0.0
138.00		22.6	151.1					12.1	159.9	34.7	311.0	0.0	0.0
139.00		22.6	150.2					12.1	159.9	34.7	310.2	0.0	0.0
140.00		22.5	149.3					12.2	160.0	34.6	309.3	0.0	0.0
141.00		22.4	148.4					12.2	160.1	34.6	308.5	0.0	0.0
142.00		22.3	147.5					12.2	160.2	34.5	307.7	0.0	0.0
143.00		22.2	146.6					12.3	160.2	34.5	306.9	0.0	0.0
144.00		22.1	145.7					12.3	160.3	34.4	306.0	0.0	0.0
145.00	Appertunance(s)	22.1	144.8	507.8	0.0	0.0	2,874.2	12.3	160.4	542.2	3,179.5	0.0	0.0
146.00		22.0	143.9					0.0	99.3	22.0	243.2	0.0	0.0
147.00		21.9	143.0					0.0	99.3	21.9	242.3	0.0	0.0
148.00		21.8	142.1					0.0	99.4	21.8	241.5	0.0	0.0
149.00	Bot - Section 6	21.9	141.2					0.0	99.4	21.9	240.6	0.0	0.0
150.00		21.9	203.2					0.0	99.5	21.9	302.6	0.0	0.0
151.00		21.8	201.8					0.0	99.5	21.8	301.3	0.0	0.0
152.00		16.3	200.5					0.0	99.5	16.3	300.0	0.0	0.0
152.50	Top - Section 5	10.8	99.8					0.0	49.8	10.8	149.6	0.0	0.0
153.00		16.2	59.7					0.0	49.8	16.2	109.5	0.0	0.0
154.00		21.5	118.8					0.0	99.6	21.5	218.4	0.0	0.0
155.00		21.5	118.0					0.0	99.7	21.5	217.7	0.0	0.0
156.00		21.4	117.2					0.0	99.7	21.4	217.0	0.0	0.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:02 PM

Customer: T- Mobile

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 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 : 1.00

Wind Load Factor : 1.00

157.00		21.3	116.5					0.0	99.8	21.3	216.2	0.0	0.0
158.00		21.2	115.7					0.0	99.8	21.2	215.5	0.0	0.0
159.00		21.1	114.9					0.0	99.8	21.1	214.8	0.0	0.0
160.00		21.0	114.2					0.0	99.9	21.0	214.0	0.0	0.0
161.00		20.9	113.4					0.0	99.9	20.9	213.3	0.0	0.0
162.00		20.8	112.6					0.0	100.0	20.8	212.6	0.0	0.0
163.00		20.7	111.8					0.0	100.0	20.7	211.8	0.0	0.0
164.00		20.6	111.1					0.0	100.0	20.6	211.1	0.0	0.0
165.00		20.5	110.3					0.0	100.1	20.5	210.4	0.0	0.0
166.00		20.4	109.5					0.0	100.1	20.4	209.6	0.0	0.0
167.00	Appertunance(s)	20.3	108.7	814.0	0.0	-494.6	6,388.6	0.0	100.2	834.3	6,597.5	0.0	0.0
168.00		20.2	108.0					0.0	89.9	20.2	197.9	0.0	0.0
169.00		20.1	107.2					0.0	89.9	20.1	197.1	0.0	0.0
170.00		20.0	106.4					0.0	90.0	20.0	196.4	0.0	0.0
171.00		19.9	105.6					0.0	90.0	19.9	195.6	0.0	0.0
172.00		19.8	104.8					0.0	90.1	19.8	194.9	0.0	0.0
173.00		19.7	104.1					0.0	90.1	19.7	194.2	0.0	0.0
174.00		19.6	103.3					0.0	90.1	19.6	193.4	0.0	0.0
175.00	Appertunance(s)	19.5	102.5	101.7	0.0	0.0	455.0	8.9	90.2	130.1	647.7	0.0	0.0
176.00		19.4	101.7					0.0	62.1	19.4	163.8	0.0	0.0
177.00		19.3	100.9					0.0	62.1	19.3	163.1	0.0	0.0
178.00		19.2	100.2					0.0	62.2	19.2	162.3	0.0	0.0
179.00		19.1	99.4					0.0	62.2	19.1	161.6	0.0	0.0
180.00		19.0	98.6					0.0	62.2	19.0	160.8	0.0	0.0
181.00		18.9	97.8					0.0	62.2	18.9	160.0	0.0	0.0
182.00		18.7	97.0					0.0	62.3	18.7	159.3	0.0	0.0
183.00	Appertunance(s)	9.3	96.2	846.9	0.0	200.7	5,626.8	0.0	62.3	856.2	5,785.3	0.0	0.0
									Totals:	8,591.46	107,923.	0.00	0.00

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:02 PM

Customer: T- Mobile

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 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 : 1.00

Wind Load Factor : 1.00

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	-107.92	-8.59	0.00	-1,109.00	0.00	1,109.00	4,364.17	2,182.08	8,607.44	4,310.12	0.00	0.00	0.211
1.00	-107.46	-8.58	0.00	-1,100.41	0.00	1,100.41	4,348.30	2,174.15	8,544.66	4,278.68	0.00	-0.01	0.211
2.00	-106.99	-8.58	0.00	-1,091.83	0.00	1,091.83	4,332.44	2,166.22	8,482.10	4,247.36	0.00	-0.02	0.211
3.00	-106.51	-8.57	0.00	-1,083.25	0.00	1,083.25	4,316.57	2,158.29	8,419.78	4,216.15	0.01	-0.03	0.210
4.00	-106.03	-8.57	0.00	-1,074.67	0.00	1,074.67	4,300.71	2,150.36	8,357.68	4,185.05	0.02	-0.04	0.210
5.00	-105.56	-8.56	0.00	-1,066.11	0.00	1,066.11	4,284.85	2,142.42	8,295.82	4,154.08	0.03	-0.05	0.210
6.00	-104.93	-8.56	0.00	-1,057.54	0.00	1,057.54	4,268.98	2,134.49	8,234.19	4,123.21	0.04	-0.06	0.209
7.00	-104.30	-8.55	0.00	-1,048.98	0.00	1,048.98	4,253.12	2,126.56	8,172.78	4,092.46	0.05	-0.07	0.209
8.00	-103.67	-8.55	0.00	-1,040.43	0.00	1,040.43	4,237.26	2,118.63	8,111.60	4,061.83	0.07	-0.08	0.208
9.00	-103.04	-8.54	0.00	-1,031.88	0.00	1,031.88	4,221.39	2,110.70	8,050.66	4,031.31	0.09	-0.10	0.208
10.00	-102.41	-8.54	0.00	-1,023.34	0.00	1,023.34	4,205.53	2,102.76	7,989.95	4,000.91	0.11	-0.11	0.207
11.00	-101.78	-8.53	0.00	-1,014.80	0.00	1,014.80	4,189.66	2,094.83	7,929.46	3,970.62	0.13	-0.12	0.207
12.00	-101.15	-8.53	0.00	-1,006.27	0.00	1,006.27	4,173.80	2,086.90	7,869.20	3,940.45	0.16	-0.13	0.207
13.00	-100.52	-8.52	0.00	-997.74	0.00	997.74	4,157.94	2,078.97	7,809.18	3,910.39	0.19	-0.14	0.206
14.00	-99.89	-8.51	0.00	-989.22	0.00	989.22	4,142.07	2,071.04	7,749.38	3,880.45	0.22	-0.15	0.206
15.00	-99.26	-8.51	0.00	-980.71	0.00	980.71	4,126.21	2,063.10	7,689.82	3,850.62	0.25	-0.16	0.205
16.00	-98.63	-8.50	0.00	-972.20	0.00	972.20	4,110.34	2,055.17	7,630.48	3,820.91	0.29	-0.17	0.205
17.00	-98.00	-8.50	0.00	-963.70	0.00	963.70	4,094.48	2,047.24	7,571.37	3,791.31	0.32	-0.18	0.204
18.00	-97.37	-8.49	0.00	-955.20	0.00	955.20	4,078.62	2,039.31	7,512.50	3,761.83	0.36	-0.19	0.204
19.00	-96.74	-8.48	0.00	-946.72	0.00	946.72	4,062.75	2,031.38	7,453.85	3,732.47	0.40	-0.20	0.203
20.00	-96.12	-8.47	0.00	-938.23	0.00	938.23	4,046.89	2,023.44	7,395.44	3,703.21	0.45	-0.21	0.203
21.00	-95.49	-8.47	0.00	-929.76	0.00	929.76	4,031.02	2,015.51	7,337.25	3,674.08	0.49	-0.22	0.202
22.00	-94.86	-8.46	0.00	-921.29	0.00	921.29	4,015.16	2,007.58	7,279.29	3,645.06	0.54	-0.23	0.202
22.50	-94.55	-8.46	0.00	-917.06	0.00	917.06	4,007.23	2,003.61	7,250.40	3,630.59	0.56	-0.24	0.201
23.00	-94.23	-8.45	0.00	-912.83	0.00	912.83	3,999.30	1,999.65	7,221.56	3,616.15	0.59	-0.25	0.201
24.00	-93.61	-8.45	0.00	-904.38	0.00	904.38	3,983.43	1,991.72	7,164.07	3,587.36	0.64	-0.26	0.200
25.00	-92.98	-8.44	0.00	-895.93	0.00	895.93	3,967.57	1,983.78	7,106.80	3,558.68	0.70	-0.27	0.200
26.00	-92.36	-8.43	0.00	-887.50	0.00	887.50	3,951.70	1,975.85	7,049.76	3,530.12	0.76	-0.28	0.199
27.00	-91.73	-8.42	0.00	-879.07	0.00	879.07	3,935.84	1,967.92	6,992.95	3,501.67	0.81	-0.29	0.199
28.00	-91.11	-8.42	0.00	-870.64	0.00	870.64	3,919.98	1,959.99	6,936.37	3,473.34	0.88	-0.30	0.198
28.50	-90.80	-8.41	0.00	-866.44	0.00	866.44	3,912.04	1,956.02	6,908.17	3,459.22	0.91	-0.31	0.198
29.00	-90.34	-8.41	0.00	-862.23	0.00	862.23	3,904.11	1,952.06	6,880.03	3,445.13	0.94	-0.31	0.195
30.00	-89.44	-8.39	0.00	-853.82	0.00	853.82	3,888.25	1,944.12	6,823.91	3,417.03	1.01	-0.32	0.195
31.00	-88.53	-8.38	0.00	-845.43	0.00	845.43	3,872.38	1,936.19	6,768.02	3,389.04	1.08	-0.33	0.194
32.00	-87.62	-8.37	0.00	-837.05	0.00	837.05	3,856.52	1,928.26	6,712.36	3,361.17	1.15	-0.34	0.193
33.00	-86.72	-8.36	0.00	-828.67	0.00	828.67	3,840.66	1,920.33	6,656.93	3,333.41	1.22	-0.35	0.193
34.00	-85.82	-8.35	0.00	-820.31	0.00	820.31	3,824.79	1,912.40	6,601.73	3,305.77	1.30	-0.37	0.192
35.00	-84.92	-8.34	0.00	-811.97	0.00	811.97	3,809.62	1,909.81	6,546.12	3,277.16	1.37	-0.38	0.186
36.00	-84.30	-8.32	0.00	-803.63	0.00	803.63	3,883.76	1,941.88	6,808.07	3,409.09	1.45	-0.39	0.186
37.00	-83.68	-8.31	0.00	-795.31	0.00	795.31	3,867.90	1,933.95	6,752.24	3,381.14	1.54	-0.40	0.185
38.00	-83.05	-8.30	0.00	-787.00	0.00	787.00	3,852.03	1,926.02	6,696.65	3,353.30	1.62	-0.41	0.184
39.00	-82.43	-8.29	0.00	-778.70	0.00	778.70	3,836.17	1,918.08	6,641.29	3,325.58	1.71	-0.42	0.183
40.00	-81.81	-8.27	0.00	-770.42	0.00	770.42	3,820.30	1,910.15	6,586.15	3,297.97	1.80	-0.43	0.183
41.00	-81.19	-8.26	0.00	-762.15	0.00	762.15	3,804.44	1,902.22	6,531.25	3,270.48	1.89	-0.44	0.182
42.00	-80.57	-8.24	0.00	-753.89	0.00	753.89	3,788.58	1,894.29	6,476.57	3,243.10	1.98	-0.45	0.181
43.00	-79.95	-8.23	0.00	-745.64	0.00	745.64	3,772.71	1,886.36	6,422.13	3,215.84	2.07	-0.46	0.181
43.00	-79.95	-8.23	0.00	-745.64	0.00	745.64	3,772.71	1,886.36	6,422.13	3,215.84	2.07	-0.46	0.181
44.00	-79.34	-8.22	0.00	-737.41	0.00	737.41	3,756.85	1,878.42	6,367.91	3,188.69	2.17	-0.47	0.180
45.00	-78.72	-8.20	0.00	-729.20	0.00	729.20	3,740.98	1,870.49	6,313.93	3,161.66	2.27	-0.48	0.179
46.00	-78.11	-8.19	0.00	-721.00	0.00	721.00	3,725.12	1,862.56	6,260.17	3,134.74	2.37	-0.49	0.178

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 in Radial Ice

34 Iterations

Gust Response Factor : 1.10
 Dead Load Factor : 1.20
 Wind Load Factor : 1.00

Ice Dead Load Factor : 1.00

Wind Importance Factor : 1.00
 Ice Importance Factor : 1.00

47.00	-77.49	-8.17	0.00	-712.82	0.00	712.82	3,709.26	1,854.63	6,206.65	3,107.94	2.48	-0.50	0.177
48.00	-76.88	-8.15	0.00	-704.65	0.00	704.65	3,693.39	1,846.70	6,153.35	3,081.25	2.58	-0.51	0.177
49.00	-76.27	-8.14	0.00	-696.49	0.00	696.49	3,677.53	1,838.76	6,100.29	3,054.68	2.69	-0.52	0.176
50.00	-75.62	-8.10	0.00	-688.35	0.00	688.35	3,661.66	1,830.83	6,047.45	3,028.22	2.80	-0.53	0.175
51.00	-75.01	-8.08	0.00	-680.25	0.00	680.25	3,645.80	1,822.90	5,994.84	3,001.88	2.91	-0.54	0.174
52.00	-74.41	-8.07	0.00	-672.17	0.00	672.17	3,629.94	1,814.97	5,942.47	2,975.65	3.03	-0.55	0.173
53.00	-73.80	-8.05	0.00	-664.10	0.00	664.10	3,614.07	1,807.04	5,890.32	2,949.54	3.15	-0.56	0.172
54.00	-73.19	-8.03	0.00	-656.05	0.00	656.05	3,598.21	1,799.10	5,838.41	2,923.54	3.27	-0.57	0.172
55.00	-72.59	-8.00	0.00	-648.02	0.00	648.02	3,582.34	1,791.17	5,786.72	2,897.66	3.39	-0.58	0.171
56.00	-71.98	-7.97	0.00	-640.02	0.00	640.02	3,566.48	1,783.24	5,735.26	2,871.89	3.51	-0.59	0.170
57.00	-71.38	-7.95	0.00	-632.04	0.00	632.04	3,550.62	1,775.31	5,684.03	2,846.24	3.64	-0.60	0.169
58.00	-70.78	-7.91	0.00	-624.10	0.00	624.10	3,534.75	1,767.38	5,633.04	2,820.71	3.76	-0.61	0.168
59.00	-69.98	-7.88	0.00	-616.18	0.00	616.18	3,518.89	1,759.44	5,582.27	2,795.28	3.89	-0.62	0.165
60.00	-69.19	-7.85	0.00	-608.30	0.00	608.30	3,503.02	1,751.51	5,531.73	2,769.98	4.03	-0.63	0.165
61.00	-68.40	-7.82	0.00	-600.45	0.00	600.45	3,487.16	1,743.58	5,481.43	2,744.79	4.16	-0.64	0.164
62.00	-67.61	-7.78	0.00	-592.64	0.00	592.64	3,471.30	1,735.65	5,431.35	2,719.71	4.30	-0.66	0.163
63.00	-66.82	-7.75	0.00	-584.86	0.00	584.86	3,455.43	1,727.72	5,381.50	2,694.75	4.43	-0.67	0.162
63.50	-66.43	-7.73	0.00	-580.98	0.00	580.98	3,158.12	1,579.06	5,037.43	2,522.46	4.50	-0.67	0.159
64.00	-66.16	-7.71	0.00	-577.12	0.00	577.12	3,152.80	1,576.40	5,017.53	2,512.49	4.57	-0.68	0.158
65.00	-65.62	-7.68	0.00	-569.40	0.00	569.40	3,142.13	1,571.07	4,977.80	2,492.60	4.72	-0.69	0.157
66.00	-65.09	-7.65	0.00	-561.72	0.00	561.72	3,131.44	1,565.72	4,938.17	2,472.75	4.86	-0.70	0.156
67.00	-64.55	-7.62	0.00	-554.07	0.00	554.07	3,120.71	1,560.35	4,898.65	2,452.96	5.01	-0.71	0.155
68.00	-64.02	-7.59	0.00	-546.44	0.00	546.44	3,109.92	1,554.96	4,859.19	2,433.21	5.16	-0.72	0.154
69.00	-63.48	-7.56	0.00	-538.85	0.00	538.85	3,095.65	1,547.82	4,814.46	2,410.81	5.31	-0.73	0.153
70.00	-62.95	-7.53	0.00	-531.29	0.00	531.29	3,081.37	1,540.68	4,769.94	2,388.51	5.47	-0.74	0.152
71.00	-62.42	-7.50	0.00	-523.77	0.00	523.77	3,067.09	1,533.55	4,725.62	2,366.32	5.62	-0.76	0.151
72.00	-61.88	-7.46	0.00	-516.27	0.00	516.27	3,052.81	1,526.41	4,681.51	2,344.23	5.78	-0.77	0.149
73.00	-61.35	-7.43	0.00	-508.81	0.00	508.81	3,038.54	1,519.27	4,637.61	2,322.25	5.95	-0.78	0.148
74.00	-60.82	-7.40	0.00	-501.38	0.00	501.38	3,024.26	1,512.13	4,593.91	2,300.37	6.11	-0.79	0.147
75.00	-60.30	-7.36	0.00	-493.98	0.00	493.98	3,009.98	1,504.99	4,550.42	2,278.59	6.28	-0.80	0.146
76.00	-59.77	-7.33	0.00	-486.62	0.00	486.62	2,995.70	1,497.85	4,507.14	2,256.92	6.45	-0.81	0.145
77.00	-59.24	-7.30	0.00	-479.29	0.00	479.29	2,981.43	1,490.71	4,464.06	2,235.35	6.62	-0.82	0.144
78.00	-58.72	-7.26	0.00	-471.99	0.00	471.99	2,967.15	1,483.57	4,421.19	2,213.88	6.79	-0.84	0.143
79.00	-58.19	-7.23	0.00	-464.73	0.00	464.73	2,952.87	1,476.44	4,378.53	2,192.52	6.97	-0.85	0.142
80.00	-57.67	-7.19	0.00	-457.50	0.00	457.50	2,938.59	1,469.30	4,336.07	2,171.26	7.15	-0.86	0.140
81.00	-57.14	-7.16	0.00	-450.31	0.00	450.31	2,924.32	1,462.16	4,293.83	2,150.10	7.33	-0.87	0.139
82.00	-56.62	-7.12	0.00	-443.15	0.00	443.15	2,910.04	1,455.02	4,251.78	2,129.05	7.51	-0.88	0.138
83.00	-56.10	-7.09	0.00	-436.03	0.00	436.03	2,895.76	1,447.88	4,209.95	2,108.10	7.70	-0.89	0.137
84.00	-55.58	-7.05	0.00	-428.94	0.00	428.94	2,881.48	1,440.74	4,168.32	2,087.26	7.89	-0.90	0.136
85.00	-55.06	-7.02	0.00	-421.89	0.00	421.89	2,867.21	1,433.60	4,126.90	2,066.52	8.08	-0.91	0.135
86.00	-54.54	-6.98	0.00	-414.87	0.00	414.87	2,852.93	1,426.46	4,085.69	2,045.88	8.27	-0.92	0.133
87.00	-54.03	-6.94	0.00	-407.89	0.00	407.89	2,838.65	1,419.33	4,044.68	2,025.35	8.46	-0.93	0.132
88.00	-53.51	-6.91	0.00	-400.95	0.00	400.95	2,824.37	1,412.19	4,003.88	2,004.91	8.66	-0.95	0.131
89.00	-52.85	-6.87	0.00	-394.04	0.00	394.04	2,810.09	1,405.05	3,963.28	1,984.59	8.86	-0.96	0.128
90.00	-52.20	-6.83	0.00	-387.18	0.00	387.18	2,795.82	1,397.91	3,922.90	1,964.36	9.06	-0.97	0.127
91.00	-51.54	-6.79	0.00	-380.35	0.00	380.35	2,781.54	1,390.77	3,882.72	1,944.24	9.26	-0.98	0.126
92.00	-50.89	-6.74	0.00	-373.56	0.00	373.56	2,767.26	1,383.63	3,842.74	1,924.23	9.47	-0.99	0.124
93.00	-50.23	-6.70	0.00	-366.82	0.00	366.82	2,292.76	1,146.38	3,238.31	1,621.56	9.68	-1.00	0.137
94.00	-49.75	-6.67	0.00	-360.12	0.00	360.12	2,284.25	1,142.13	3,209.75	1,607.26	9.89	-1.01	0.135
95.00	-49.26	-6.63	0.00	-353.45	0.00	353.45	2,275.71	1,137.86	3,181.27	1,593.00	10.10	-1.02	0.134
96.00	-48.78	-6.59	0.00	-346.82	0.00	346.82	2,267.14	1,133.57	3,152.86	1,578.78	10.31	-1.03	0.132
97.00	-48.29	-6.55	0.00	-340.23	0.00	340.23	2,258.54	1,129.27	3,124.54	1,564.59	10.53	-1.04	0.130
98.00	-47.81	-6.51	0.00	-333.68	0.00	333.68	2,249.90	1,124.95	3,096.30	1,550.45	10.75	-1.05	0.129
99.00	-47.33	-6.47	0.00	-327.17	0.00	327.17	2,241.24	1,120.62	3,068.14	1,536.35	10.97	-1.06	0.127
100.00	-46.85	-6.43	0.00	-320.70	0.00	320.70	2,232.54	1,116.27	3,040.06	1,522.29	11.20	-1.07	0.125
101.00	-46.37	-6.39	0.00	-314.27	0.00	314.27	2,223.81	1,111.90	3,012.06	1,508.27	11.42	-1.08	0.124
102.00	-45.89	-6.35	0.00	-307.87	0.00	307.87	2,215.04	1,107.52	2,984.14	1,494.29	11.65	-1.09	0.122

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:03 PM

Customer: T- Mobile

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 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 : 1.00

Wind Load Factor : 1.00

103.00	-45.41	-6.31	0.00	-301.52	0.00	301.52	2,206.25	1,103.12	2,956.31	1,480.35	11.88	-1.10	0.120
104.00	-44.93	-6.27	0.00	-295.20	0.00	295.20	2,197.42	1,098.71	2,928.57	1,466.46	12.11	-1.11	0.118
105.00	-44.45	-6.23	0.00	-288.93	0.00	288.93	2,188.56	1,094.28	2,900.91	1,452.61	12.35	-1.12	0.117
105.00	-44.45	-6.23	0.00	-288.93	0.00	288.93	2,188.56	1,094.28	2,900.91	1,452.61	12.35	-1.12	0.219
106.00	-44.06	-6.20	0.00	-282.70	0.00	282.70	2,179.67	1,089.83	2,873.33	1,438.80	12.58	-1.13	0.217
107.00	-43.66	-6.17	0.00	-276.50	0.00	276.50	2,170.74	1,085.37	2,845.85	1,425.04	12.82	-1.15	0.214
108.00	-43.27	-6.13	0.00	-270.33	0.00	270.33	2,161.78	1,080.89	2,818.44	1,411.32	13.07	-1.17	0.212
109.00	-42.87	-6.10	0.00	-264.20	0.00	264.20	2,150.55	1,075.28	2,788.22	1,396.18	13.31	-1.19	0.209
110.00	-42.48	-6.07	0.00	-258.10	0.00	258.10	2,138.65	1,069.33	2,757.31	1,380.70	13.57	-1.21	0.207
111.00	-42.09	-6.03	0.00	-252.03	0.00	252.03	2,126.76	1,063.38	2,726.56	1,365.31	13.82	-1.23	0.204
112.00	-41.72	-6.02	0.00	-246.00	0.00	246.00	2,114.86	1,057.43	2,695.99	1,350.00	14.08	-1.25	0.202
113.00	-41.35	-6.00	0.00	-239.98	0.00	239.98	2,102.96	1,051.48	2,665.59	1,334.78	14.34	-1.27	0.199
114.00	-40.98	-5.97	0.00	-233.99	0.00	233.99	2,091.06	1,045.53	2,635.36	1,319.64	14.61	-1.28	0.197
115.00	-40.61	-5.94	0.00	-228.02	0.00	228.02	2,079.16	1,039.58	2,605.31	1,304.59	14.88	-1.30	0.194
116.00	-40.24	-5.91	0.00	-222.08	0.00	222.08	2,067.27	1,033.63	2,575.43	1,289.63	15.16	-1.32	0.192
116.50	-40.05	-5.89	0.00	-219.13	0.00	219.13	2,061.32	1,030.66	2,560.55	1,282.18	15.30	-1.33	0.190
117.00	-39.82	-5.87	0.00	-216.18	0.00	216.18	2,055.37	1,027.68	2,545.72	1,274.75	15.43	-1.34	0.189
118.00	-39.35	-5.84	0.00	-210.31	0.00	210.31	2,043.47	1,021.73	2,516.18	1,259.96	15.72	-1.35	0.186
119.00	-38.89	-5.80	0.00	-204.48	0.00	204.48	2,031.57	1,015.79	2,486.81	1,245.26	16.00	-1.37	0.183
120.00	-38.42	-5.77	0.00	-198.67	0.00	198.67	2,019.67	1,009.84	2,457.62	1,230.64	16.29	-1.39	0.180
121.00	-37.96	-5.73	0.00	-192.91	0.00	192.91	1,562.89	781.45	1,930.84	966.86	16.58	-1.41	0.224
122.00	-37.62	-5.70	0.00	-187.18	0.00	187.18	1,556.55	778.28	1,911.74	957.29	16.88	-1.42	0.220
123.00	-37.28	-5.67	0.00	-181.48	0.00	181.48	1,550.18	775.09	1,892.68	947.75	17.18	-1.44	0.216
124.00	-36.94	-5.64	0.00	-175.81	0.00	175.81	1,543.77	771.89	1,873.68	938.23	17.49	-1.46	0.211
125.00	-36.60	-5.61	0.00	-170.17	0.00	170.17	1,537.34	768.67	1,854.73	928.74	17.79	-1.48	0.207
126.00	-29.15	-4.48	0.00	-164.56	0.00	164.56	1,530.87	765.43	1,835.84	919.28	18.11	-1.50	0.198
127.00	-28.83	-4.44	0.00	-160.09	0.00	160.09	1,524.37	762.18	1,817.00	909.85	18.42	-1.52	0.195
128.00	-28.51	-4.41	0.00	-155.64	0.00	155.64	1,517.84	758.92	1,798.22	900.45	18.74	-1.54	0.192
129.00	-28.19	-4.37	0.00	-151.24	0.00	151.24	1,511.27	755.64	1,779.50	891.07	19.07	-1.55	0.188
130.00	-27.87	-4.34	0.00	-146.86	0.00	146.86	1,504.67	752.34	1,760.83	881.72	19.39	-1.57	0.185
131.00	-27.56	-4.30	0.00	-142.52	0.00	142.52	1,498.04	749.02	1,742.22	872.40	19.73	-1.59	0.182
132.00	-27.24	-4.27	0.00	-138.22	0.00	138.22	1,491.38	745.69	1,723.67	863.12	20.06	-1.61	0.178
133.00	-26.93	-4.23	0.00	-133.95	0.00	133.95	1,484.69	742.34	1,705.18	853.86	20.40	-1.63	0.175
134.00	-26.61	-4.20	0.00	-129.72	0.00	129.72	1,477.96	738.98	1,686.75	844.63	20.74	-1.64	0.172
135.00	-26.30	-4.16	0.00	-125.52	0.00	125.52	1,471.20	735.60	1,668.38	835.43	21.09	-1.66	0.168
136.00	-25.98	-4.12	0.00	-121.36	0.00	121.36	1,464.41	732.21	1,650.07	826.26	21.44	-1.68	0.165
137.00	-25.67	-4.09	0.00	-117.24	0.00	117.24	1,457.59	728.80	1,631.83	817.13	21.79	-1.69	0.161
138.00	-25.36	-4.05	0.00	-113.15	0.00	113.15	1,450.74	725.37	1,613.64	808.02	22.15	-1.71	0.158
139.00	-25.05	-4.01	0.00	-109.10	0.00	109.10	1,443.85	721.92	1,595.53	798.95	22.50	-1.72	0.154
140.00	-24.74	-3.98	0.00	-105.09	0.00	105.09	1,436.93	718.47	1,577.47	789.91	22.87	-1.74	0.150
141.00	-24.43	-3.94	0.00	-101.11	0.00	101.11	1,429.98	714.99	1,559.48	780.90	23.23	-1.75	0.147
142.00	-24.13	-3.90	0.00	-97.17	0.00	97.17	1,423.00	711.50	1,541.56	771.93	23.60	-1.77	0.143
143.00	-23.82	-3.86	0.00	-93.27	0.00	93.27	1,415.98	707.99	1,523.71	762.99	23.98	-1.78	0.139
144.00	-23.51	-3.82	0.00	-89.41	0.00	89.41	1,408.93	704.47	1,505.92	754.08	24.35	-1.80	0.135
145.00	-20.35	-3.19	0.00	-85.59	0.00	85.59	1,401.85	700.93	1,488.20	745.20	24.73	-1.81	0.129
146.00	-20.11	-3.16	0.00	-82.40	0.00	82.40	1,394.74	697.37	1,470.54	736.36	25.11	-1.83	0.126
147.00	-19.87	-3.14	0.00	-79.24	0.00	79.24	1,387.60	693.80	1,452.96	727.56	25.49	-1.84	0.123
148.00	-19.63	-3.11	0.00	-76.10	0.00	76.10	1,379.83	689.92	1,434.84	718.48	25.88	-1.85	0.120
149.00	-19.39	-3.09	0.00	-72.99	0.00	72.99	1,370.32	685.16	1,415.01	708.56	26.27	-1.87	0.117
150.00	-19.08	-3.06	0.00	-69.90	0.00	69.90	1,360.80	680.40	1,395.33	698.70	26.66	-1.88	0.114
151.00	-18.78	-3.03	0.00	-66.84	0.00	66.84	1,351.28	675.64	1,375.78	688.91	27.06	-1.89	0.111
152.00	-18.48	-3.01	0.00	-63.81	0.00	63.81	1,341.76	670.88	1,356.37	679.19	27.46	-1.90	0.108
152.50	-18.33	-2.99	0.00	-62.30	0.00	62.30	942.35	471.17	968.66	485.05	27.65	-1.91	0.148
153.00	-18.22	-2.98	0.00	-60.81	0.00	60.81	940.20	470.10	963.05	482.24	27.86	-1.92	0.146
154.00	-18.01	-2.95	0.00	-57.83	0.00	57.83	935.87	467.94	951.84	476.63	28.26	-1.93	0.141
155.00	-17.79	-2.93	0.00	-54.88	0.00	54.88	931.51	465.76	940.66	471.03	28.66	-1.94	0.136
156.00	-17.57	-2.91	0.00	-51.95	0.00	51.95	927.12	463.56	929.51	465.45	29.07	-1.96	0.131

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:03 PM

Customer: T- Mobile

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 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 : 1.00

Wind Load Factor : 1.00

157.00	-17.36	-2.88	0.00	-49.04	0.00	49.04	922.70	461.35	918.40	459.88	29.48	-1.97	0.125
158.00	-17.14	-2.86	0.00	-46.16	0.00	46.16	918.25	459.12	907.31	454.33	29.90	-1.98	0.120
159.00	-16.93	-2.83	0.00	-43.31	0.00	43.31	913.76	456.88	896.26	448.80	30.31	-2.00	0.115
160.00	-16.71	-2.81	0.00	-40.48	0.00	40.48	909.24	454.62	885.24	443.28	30.73	-2.01	0.110
161.00	-16.50	-2.78	0.00	-37.67	0.00	37.67	904.69	452.35	874.26	437.78	31.16	-2.02	0.104
162.00	-16.29	-2.75	0.00	-34.89	0.00	34.89	900.11	450.06	863.31	432.30	31.58	-2.03	0.099
163.00	-16.07	-2.73	0.00	-32.14	0.00	32.14	895.50	447.75	852.40	426.83	32.01	-2.04	0.093
164.00	-15.86	-2.70	0.00	-29.41	0.00	29.41	890.85	445.42	841.52	421.39	32.43	-2.05	0.088
165.00	-15.65	-2.68	0.00	-26.70	0.00	26.70	886.17	443.09	830.68	415.96	32.86	-2.06	0.082
166.00	-15.45	-2.65	0.00	-24.03	0.00	24.03	881.46	440.73	819.88	410.55	33.30	-2.07	0.076
167.00	-8.88	-1.58	0.00	-21.37	0.00	21.37	876.72	438.36	809.12	405.16	33.73	-2.07	0.063
168.00	-8.68	-1.55	0.00	-19.79	0.00	19.79	871.94	435.97	798.40	399.79	34.16	-2.08	0.059
169.00	-8.49	-1.53	0.00	-18.24	0.00	18.24	867.13	433.57	787.71	394.44	34.60	-2.09	0.056
170.00	-8.29	-1.50	0.00	-16.71	0.00	16.71	862.29	431.15	777.07	389.11	35.04	-2.09	0.053
171.00	-8.10	-1.48	0.00	-15.21	0.00	15.21	857.42	428.71	766.47	383.80	35.48	-2.10	0.049
172.00	-7.90	-1.45	0.00	-13.73	0.00	13.73	852.52	426.26	755.91	378.52	35.92	-2.10	0.046
173.00	-7.71	-1.42	0.00	-12.28	0.00	12.28	847.58	423.79	745.39	373.25	36.36	-2.11	0.042
174.00	-7.52	-1.40	0.00	-10.86	0.00	10.86	842.61	421.31	734.92	368.01	36.80	-2.11	0.038
175.00	-6.87	-1.24	0.00	-9.46	0.00	9.46	837.61	418.81	724.49	362.78	37.24	-2.12	0.034
176.00	-6.71	-1.22	0.00	-8.22	0.00	8.22	832.58	416.29	714.11	357.59	37.69	-2.12	0.031
177.00	-6.55	-1.19	0.00	-7.00	0.00	7.00	827.51	413.76	703.77	352.41	38.13	-2.12	0.028
178.00	-6.39	-1.17	0.00	-5.80	0.00	5.80	822.42	411.21	693.48	347.26	38.57	-2.13	0.024
179.00	-6.23	-1.14	0.00	-4.63	0.00	4.63	817.29	408.64	683.23	342.12	39.02	-2.13	0.021
180.00	-6.07	-1.12	0.00	-3.49	0.00	3.49	812.13	406.06	673.04	337.02	39.47	-2.13	0.018
181.00	-5.91	-1.10	0.00	-2.37	0.00	2.37	806.93	403.47	662.89	331.94	39.91	-2.13	0.014
182.00	-5.75	-1.07	0.00	-1.27	0.00	1.27	801.71	400.85	652.79	326.88	40.36	-2.13	0.011
183.00	0.00	-0.86	0.00	-0.20	0.00	0.20	796.45	398.23	642.74	321.85	40.80	-2.13	0.001

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:03 PM

Customer: T-Mobile

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

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		9.0	0.0					0.0	0.0	9.0	0.0	0.0	0.0
1.00		18.0	259.4					0.0	66.8	18.0	326.2	0.0	0.0
2.00		17.9	258.4					0.0	66.8	17.9	325.2	0.0	0.0
3.00		17.8	257.5					0.0	66.8	17.8	324.3	0.0	0.0
4.00		17.8	256.5					0.0	66.8	17.8	323.3	0.0	0.0
5.00		17.7	255.6					0.0	66.8	17.7	322.4	0.0	0.0
6.00		17.6	254.7					0.0	134.7	17.6	389.4	0.0	0.0
7.00		17.6	253.7					0.0	134.7	17.6	388.4	0.0	0.0
8.00		17.5	252.8					0.0	134.7	17.5	387.5	0.0	0.0
9.00		17.4	251.8					0.0	134.7	17.4	386.5	0.0	0.0
10.00		17.4	250.9					0.0	134.7	17.4	385.6	0.0	0.0
11.00		17.3	249.9					0.0	134.7	17.3	384.6	0.0	0.0
12.00		17.2	249.0					0.0	134.7	17.2	383.7	0.0	0.0
13.00		17.2	248.0					0.0	134.7	17.2	382.8	0.0	0.0
14.00		17.1	247.1					0.0	134.7	17.1	381.8	0.0	0.0
15.00		17.1	246.2					0.0	134.7	17.1	380.9	0.0	0.0
16.00		17.0	245.2					0.0	134.7	17.0	379.9	0.0	0.0
17.00		16.9	244.3					0.0	134.7	16.9	379.0	0.0	0.0
18.00		16.9	243.3					0.0	134.7	16.9	378.0	0.0	0.0
19.00		16.8	242.4					0.0	134.7	16.8	377.1	0.0	0.0
20.00		16.7	241.4					0.0	134.7	16.7	376.1	0.0	0.0
21.00		16.7	240.5					0.0	134.7	16.7	375.2	0.0	0.0
22.00		12.5	239.5					0.0	134.7	12.5	374.2	0.0	0.0
22.50	Reinf. Top Reinf	8.3	119.4					0.0	67.4	8.3	186.8	0.0	0.0
23.00		12.4	119.2					0.0	67.4	12.4	186.5	0.0	0.0
24.00		16.5	237.7					0.0	134.7	16.5	372.4	0.0	0.0
25.00		16.4	236.7					0.0	134.7	16.4	371.4	0.0	0.0
26.00		16.3	235.8					0.0	134.7	16.3	370.5	0.0	0.0
27.00		16.3	234.8					0.0	134.7	16.3	369.5	0.0	0.0
28.00		12.2	233.9					0.0	134.7	12.2	368.6	0.0	0.0
28.50	Bot - Section 2	8.2	116.6					0.0	67.4	8.2	183.9	0.0	0.0
29.00		12.4	235.4					0.0	67.4	12.4	302.7	0.0	0.0
30.00		16.5	469.4					0.0	134.7	16.5	604.1	0.0	0.0
31.00		16.6	467.5					0.0	134.7	16.6	602.2	0.0	0.0
32.00		16.6	465.6					0.0	134.7	16.6	600.3	0.0	0.0
33.00		16.7	463.7					0.0	134.7	16.7	598.4	0.0	0.0
34.00		16.8	461.8					0.0	134.7	16.8	596.5	0.0	0.0
35.00	Top - Section 1	16.9	459.9					0.0	134.7	16.9	594.6	0.0	0.0
36.00		16.9	231.7					0.0	134.7	16.9	366.4	0.0	0.0
37.00		17.0	230.8					0.0	134.7	17.0	365.5	0.0	0.0
38.00		17.1	229.8					0.0	134.7	17.1	364.5	0.0	0.0
39.00		17.1	228.9					0.0	134.7	17.1	363.6	0.0	0.0
40.00		17.2	227.9					0.0	134.7	17.2	362.6	0.0	0.0
41.00		17.2	227.0					0.0	134.7	17.2	361.7	0.0	0.0
42.00		17.3	226.0					0.0	134.7	17.3	360.8	0.0	0.0
43.00	Reinf. Top Reinf	17.3	225.1					0.0	134.7	17.3	359.8	0.0	0.0
44.00		17.4	224.2					0.0	134.7	17.4	358.9	0.0	0.0
45.00		17.4	223.2					0.0	134.7	17.4	357.9	0.0	0.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:17 PM

Customer: T- Mobile

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Dead Load Factor : 1.00

Wind Load Factor : 1.00

Wind Importance Factor : 1.00

46.00		17.4	222.3					0.0	134.7	17.4	357.0	0.0	0.0
47.00		17.5	221.3					0.0	134.7	17.5	356.0	0.0	0.0
48.00		17.5	220.4					0.0	134.7	17.5	355.1	0.0	0.0
49.00		17.5	219.4					0.0	134.7	17.5	354.1	0.0	0.0
50.00	Appertunance(s)	17.6	218.5	20.0	0.0	0.0	75.6	0.0	134.7	37.5	428.8	0.0	0.0
51.00		17.6	217.5					0.0	134.7	17.6	352.3	0.0	0.0
52.00		17.6	216.6					0.0	134.7	17.6	351.3	0.0	0.0
53.00		17.6	215.7					0.0	134.7	17.6	350.4	0.0	0.0
54.00		25.1	214.7					0.0	134.7	25.1	349.4	0.0	0.0
55.00		32.6	213.8					6.5	134.7	39.1	348.5	0.0	0.0
56.00		32.6	212.8					6.6	134.7	39.2	347.5	0.0	0.0
57.00		32.6	211.9					6.6	134.7	39.2	346.6	0.0	0.0
58.00	Bot - Section 3	33.0	210.9					6.6	134.7	39.6	345.6	0.0	0.0
59.00		33.3	371.0					6.7	134.7	40.0	505.7	0.0	0.0
60.00		33.3	369.4					6.7	134.7	40.0	504.1	0.0	0.0
61.00		33.3	367.7					6.7	134.7	40.0	502.4	0.0	0.0
62.00		33.3	366.1					6.8	134.7	40.1	500.8	0.0	0.0
63.00		25.0	364.4					6.8	134.7	31.8	499.1	0.0	0.0
63.50	Top - Section 2	16.7	181.6					3.4	67.4	20.1	248.9	0.0	0.0
64.00		25.0	78.7					3.4	67.4	28.4	146.0	0.0	0.0
65.00		33.3	156.8					6.9	134.7	40.2	291.5	0.0	0.0
66.00		33.3	156.1					6.9	134.7	40.2	290.8	0.0	0.0
67.00		33.3	155.4					6.9	134.7	40.2	290.1	0.0	0.0
68.00		33.3	154.7					6.9	134.7	40.2	289.4	0.0	0.0
69.00		33.3	154.0					7.0	134.7	40.3	288.7	0.0	0.0
70.00		33.3	153.2					7.0	134.7	40.3	288.0	0.0	0.0
71.00		33.3	152.5					7.0	134.7	40.3	287.2	0.0	0.0
72.00		33.2	151.8					7.1	134.7	40.3	286.5	0.0	0.0
73.00		33.2	151.1					7.1	134.7	40.3	285.8	0.0	0.0
74.00		33.2	150.4					7.1	134.7	40.3	285.1	0.0	0.0
75.00		33.2	149.7					7.1	134.7	40.3	284.4	0.0	0.0
76.00		33.1	149.0					7.2	134.7	40.3	283.7	0.0	0.0
77.00		33.1	148.3					7.2	134.7	40.3	283.0	0.0	0.0
78.00		33.1	147.6					7.2	134.7	40.3	282.3	0.0	0.0
79.00		33.0	146.9					7.2	134.7	40.3	281.6	0.0	0.0
80.00		33.0	146.2					7.3	134.7	40.3	280.9	0.0	0.0
81.00		32.9	145.5					7.3	134.7	40.2	280.2	0.0	0.0
82.00		32.9	144.7					7.3	134.7	40.2	279.5	0.0	0.0
83.00		32.9	144.0					7.4	134.7	40.2	278.7	0.0	0.0
84.00		32.8	143.3					7.4	134.7	40.2	278.0	0.0	0.0
85.00		32.8	142.6					7.4	134.7	40.2	277.3	0.0	0.0
86.00		32.7	141.9					7.4	134.7	40.1	276.6	0.0	0.0
87.00		32.6	141.2					7.5	134.7	40.1	275.9	0.0	0.0
88.00	Bot - Section 4	32.9	140.5					7.5	134.7	40.4	275.2	0.0	0.0
89.00		33.1	258.6					7.5	134.7	40.6	393.3	0.0	0.0
90.00		33.1	257.3					7.5	134.7	40.6	392.0	0.0	0.0
91.00		33.0	256.0					7.5	134.7	40.5	390.7	0.0	0.0
92.00		32.9	254.7					7.6	134.7	40.5	389.4	0.0	0.0
93.00	Top - Section 3	32.9	253.4					7.6	134.7	40.5	388.1	0.0	0.0
94.00		32.8	115.9					7.6	134.7	40.4	250.6	0.0	0.0
95.00		32.7	115.3					7.6	134.7	40.4	250.0	0.0	0.0
96.00		32.7	114.7					7.7	134.7	40.3	249.4	0.0	0.0
97.00		32.6	114.1					7.7	134.7	40.3	248.8	0.0	0.0
98.00		32.5	113.5					7.7	134.7	40.2	248.2	0.0	0.0
99.00		32.5	112.9					7.7	134.7	40.2	247.6	0.0	0.0
100.00		32.4	112.3					7.8	134.7	40.1	247.0	0.0	0.0
101.00		32.3	111.7					7.8	134.7	40.1	246.4	0.0	0.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T- Mobile

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Dead Load Factor : 1.00

Wind Load Factor : 1.00

Wind Importance Factor : 1.00

102.00		32.2	111.1					7.8	134.7	40.0	245.8	0.0	0.0
103.00		32.1	110.5					7.8	134.7	40.0	245.3	0.0	0.0
104.00		32.1	110.0					7.8	134.7	39.9	244.7	0.0	0.0
105.00	Reinf. Top	32.0	109.4					7.9	134.7	39.8	244.1	0.0	0.0
106.00		31.9	108.8					7.9	67.9	39.8	176.7	0.0	0.0
107.00		31.8	108.2					7.9	67.9	39.7	176.1	0.0	0.0
108.00		31.7	107.6					7.9	67.9	39.6	175.5	0.0	0.0
109.00		31.6	107.0					7.9	67.9	39.6	174.9	0.0	0.0
110.00		31.5	106.4					8.0	67.9	39.5	174.3	0.0	0.0
111.00		24.2	105.8					7.6	67.9	31.8	173.7	0.0	0.0
112.00		17.0	105.2					0.0	67.9	17.0	173.1	0.0	0.0
113.00		24.1	104.6					0.0	67.9	24.1	172.5	0.0	0.0
114.00		31.2	104.0					6.3	67.9	37.4	172.0	0.0	0.0
115.00		31.1	103.5					6.3	67.9	37.3	171.4	0.0	0.0
116.00		23.2	102.9					6.3	67.9	29.5	170.8	0.0	0.0
116.50	Bot - Section 5	15.6	51.2					3.1	34.0	18.7	85.2	0.0	0.0
117.00		23.5	92.7					3.2	34.0	26.7	126.6	0.0	0.0
118.00		31.3	184.6					6.3	67.9	37.6	252.5	0.0	0.0
119.00		31.2	183.5					6.3	67.9	37.5	251.4	0.0	0.0
120.00		31.1	182.4					6.3	67.9	37.4	250.3	0.0	0.0
121.00	Top - Section 4	31.0	181.4					6.4	67.9	37.3	249.3	0.0	0.0
122.00		30.8	81.0					6.4	66.9	37.2	147.9	0.0	0.0
123.00		30.7	80.5					6.4	66.9	37.1	147.4	0.0	0.0
124.00		30.6	80.0					6.4	66.9	37.0	147.0	0.0	0.0
125.00		30.5	79.6					6.4	66.9	36.9	146.5	0.0	0.0
126.00	Appertunance(s)	30.4	79.1	971.1	0.0	-143.0	2,862.6	6.4	66.9	1,008.0	3,008.6	0.0	0.0
127.00		30.3	78.6					6.5	53.4	36.8	132.1	0.0	0.0
128.00		30.2	78.1					6.5	53.4	36.7	131.6	0.0	0.0
129.00		30.1	77.7					6.5	53.4	36.6	131.1	0.0	0.0
130.00		30.0	77.2					6.5	53.4	36.4	130.6	0.0	0.0
131.00		29.8	76.7					6.5	53.4	36.3	130.2	0.0	0.0
132.00		29.7	76.3					6.5	53.4	36.2	129.7	0.0	0.0
133.00		29.6	75.8					6.5	53.4	36.1	129.2	0.0	0.0
134.00		29.5	75.3					6.6	53.4	36.0	128.8	0.0	0.0
135.00		29.4	74.8					6.6	53.4	35.9	128.3	0.0	0.0
136.00		29.2	74.4					6.6	53.4	35.8	127.8	0.0	0.0
137.00		29.1	73.9					6.6	53.4	35.7	127.3	0.0	0.0
138.00		29.0	73.4					6.6	53.4	35.6	126.9	0.0	0.0
139.00		28.9	73.0					6.6	53.4	35.5	126.4	0.0	0.0
140.00		28.7	72.5					6.6	53.4	35.4	125.9	0.0	0.0
141.00		28.6	72.0					6.6	53.4	35.3	125.4	0.0	0.0
142.00		28.5	71.5					6.7	53.4	35.1	125.0	0.0	0.0
143.00		28.3	71.1					6.7	53.4	35.0	124.5	0.0	0.0
144.00		28.2	70.6					6.7	53.4	34.9	124.0	0.0	0.0
145.00	Appertunance(s)	21.7	70.1	439.5	0.0	0.0	1,398.6	6.7	53.4	467.9	1,522.2	0.0	0.0
146.00		15.1	69.6					0.0	38.7	15.1	108.3	0.0	0.0
147.00		15.1	69.2					0.0	38.7	15.1	107.9	0.0	0.0
148.00		15.0	68.7					0.0	38.7	15.0	107.4	0.0	0.0
149.00	Bot - Section 6	15.0	68.2					0.0	38.7	15.0	106.9	0.0	0.0
150.00		15.1	119.5					0.0	38.7	15.1	158.1	0.0	0.0
151.00		15.0	118.6					0.0	38.7	15.0	157.3	0.0	0.0
152.00		11.2	117.8					0.0	38.7	11.2	156.5	0.0	0.0
152.50	Top - Section 5	7.4	58.6					0.0	19.3	7.4	77.9	0.0	0.0
153.00		11.1	25.3					0.0	19.3	11.1	44.6	0.0	0.0
154.00		14.8	50.3					0.0	38.7	14.8	89.0	0.0	0.0
155.00		14.7	49.9					0.0	38.7	14.7	88.6	0.0	0.0
156.00		14.6	49.6					0.0	38.7	14.6	88.3	0.0	0.0

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T- Mobile

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

157.00		14.5	49.2					0.0	38.7	14.5	87.9	0.0	0.0
158.00		14.5	48.9					0.0	38.7	14.5	87.5	0.0	0.0
159.00		14.4	48.5					0.0	38.7	14.4	87.2	0.0	0.0
160.00		14.3	48.2					0.0	38.7	14.3	86.8	0.0	0.0
161.00		14.2	47.8					0.0	38.7	14.2	86.5	0.0	0.0
162.00		14.1	47.5					0.0	38.7	14.1	86.1	0.0	0.0
163.00		14.1	47.1					0.0	38.7	14.1	85.8	0.0	0.0
164.00		14.0	46.7					0.0	38.7	14.0	85.4	0.0	0.0
165.00		13.9	46.4					0.0	38.7	13.9	85.1	0.0	0.0
166.00		13.8	46.0					0.0	38.7	13.8	84.7	0.0	0.0
167.00	Appertunance(s)	13.7	45.7	841.1	0.0	-543.9	2,737.0	0.0	38.7	854.8	2,821.4	0.0	0.0
168.00		13.7	45.3					0.0	30.1	13.7	75.4	0.0	0.0
169.00		13.6	45.0					0.0	30.1	13.6	75.1	0.0	0.0
170.00		13.5	44.6					0.0	30.1	13.5	74.7	0.0	0.0
171.00		13.4	44.3					0.0	30.1	13.4	74.4	0.0	0.0
172.00		13.3	43.9					0.0	30.1	13.3	74.0	0.0	0.0
173.00		13.2	43.6					0.0	30.1	13.2	73.7	0.0	0.0
174.00		18.7	43.2					0.0	30.1	18.7	73.3	0.0	0.0
175.00	Appertunance(s)	18.6	42.8	117.8	0.0	0.0	79.2	4.9	30.1	141.2	152.2	0.0	0.0
176.00		13.0	42.5					0.0	25.2	13.0	67.7	0.0	0.0
177.00		12.9	42.1					0.0	25.2	12.9	67.3	0.0	0.0
178.00		12.8	41.8					0.0	25.2	12.8	67.0	0.0	0.0
179.00		12.7	41.4					0.0	25.2	12.7	66.6	0.0	0.0
180.00		12.6	41.1					0.0	25.2	12.6	66.3	0.0	0.0
181.00		12.5	40.7					0.0	25.2	12.5	65.9	0.0	0.0
182.00		12.4	40.4					0.0	25.2	12.4	65.6	0.0	0.0
183.00	Appertunance(s)	6.2	40.0	887.1	0.0	262.3	2,398.2	0.0	25.2	893.3	2,463.4	0.0	0.0
									Totals:	8,232.67	56,442.2	0.00	0.00

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:17 PM

Customer: T- Mobile

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

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	-56.44	-8.23	0.00	-1,014.31	0.00	1,014.31	4,364.17	2,182.08	8,607.44	4,310.12	0.00	0.00	0.186
1.00	-56.11	-8.22	0.00	-1,006.08	0.00	1,006.08	4,348.30	2,174.15	8,544.66	4,278.68	0.00	-0.01	0.185
2.00	-55.79	-8.21	0.00	-997.87	0.00	997.87	4,332.44	2,166.22	8,482.10	4,247.36	0.00	-0.02	0.185
3.00	-55.46	-8.20	0.00	-989.66	0.00	989.66	4,316.57	2,158.29	8,419.78	4,216.15	0.01	-0.03	0.184
4.00	-55.14	-8.19	0.00	-981.46	0.00	981.46	4,300.71	2,150.36	8,357.68	4,185.05	0.02	-0.04	0.184
5.00	-54.81	-8.18	0.00	-973.27	0.00	973.27	4,284.85	2,142.42	8,295.82	4,154.08	0.03	-0.05	0.184
6.00	-54.42	-8.17	0.00	-965.09	0.00	965.09	4,268.98	2,134.49	8,234.19	4,123.21	0.04	-0.06	0.183
7.00	-54.03	-8.16	0.00	-956.91	0.00	956.91	4,253.12	2,126.56	8,172.78	4,092.46	0.05	-0.07	0.183
8.00	-53.64	-8.16	0.00	-948.75	0.00	948.75	4,237.26	2,118.63	8,111.60	4,061.83	0.07	-0.08	0.182
9.00	-53.26	-8.15	0.00	-940.59	0.00	940.59	4,221.39	2,110.70	8,050.66	4,031.31	0.08	-0.09	0.182
10.00	-52.87	-8.14	0.00	-932.45	0.00	932.45	4,205.53	2,102.76	7,989.95	4,000.91	0.10	-0.10	0.181
11.00	-52.48	-8.13	0.00	-924.31	0.00	924.31	4,189.66	2,094.83	7,929.46	3,970.62	0.12	-0.11	0.181
12.00	-52.10	-8.12	0.00	-916.18	0.00	916.18	4,173.80	2,086.90	7,869.20	3,940.45	0.15	-0.12	0.181
13.00	-51.71	-8.11	0.00	-908.06	0.00	908.06	4,157.94	2,078.97	7,809.18	3,910.39	0.17	-0.13	0.180
14.00	-51.33	-8.10	0.00	-899.95	0.00	899.95	4,142.07	2,071.04	7,749.38	3,880.45	0.20	-0.14	0.180
15.00	-50.95	-8.09	0.00	-891.85	0.00	891.85	4,126.21	2,063.10	7,689.82	3,850.62	0.23	-0.15	0.179
16.00	-50.57	-8.08	0.00	-883.76	0.00	883.76	4,110.34	2,055.17	7,630.48	3,820.91	0.26	-0.15	0.179
17.00	-50.19	-8.07	0.00	-875.68	0.00	875.68	4,094.48	2,047.24	7,571.37	3,791.31	0.29	-0.16	0.178
18.00	-49.81	-8.06	0.00	-867.61	0.00	867.61	4,078.62	2,039.31	7,512.50	3,761.83	0.33	-0.17	0.178
19.00	-49.43	-8.05	0.00	-859.54	0.00	859.54	4,062.75	2,031.38	7,453.85	3,732.47	0.37	-0.18	0.177
20.00	-49.05	-8.04	0.00	-851.49	0.00	851.49	4,046.89	2,023.44	7,395.44	3,703.21	0.41	-0.19	0.177
21.00	-48.68	-8.03	0.00	-843.45	0.00	843.45	4,031.02	2,015.51	7,337.25	3,674.08	0.45	-0.20	0.176
22.00	-48.30	-8.03	0.00	-835.41	0.00	835.41	4,015.16	2,007.58	7,279.29	3,645.06	0.49	-0.21	0.175
22.50	-48.11	-8.02	0.00	-831.40	0.00	831.40	4,007.23	2,003.61	7,250.40	3,630.59	0.52	-0.22	0.175
23.00	-47.93	-8.02	0.00	-827.39	0.00	827.39	3,999.30	1,999.65	7,221.56	3,616.15	0.54	-0.22	0.175
24.00	-47.55	-8.01	0.00	-819.37	0.00	819.37	3,983.43	1,991.72	7,164.07	3,587.36	0.59	-0.23	0.174
25.00	-47.18	-8.00	0.00	-811.37	0.00	811.37	3,967.57	1,983.78	7,106.80	3,558.68	0.64	-0.24	0.174
26.00	-46.81	-7.99	0.00	-803.37	0.00	803.37	3,951.70	1,975.85	7,049.76	3,530.12	0.69	-0.25	0.173
27.00	-46.44	-7.98	0.00	-795.39	0.00	795.39	3,935.84	1,967.92	6,992.95	3,501.67	0.74	-0.26	0.173
28.00	-46.07	-7.97	0.00	-787.41	0.00	787.41	3,919.98	1,959.99	6,936.37	3,473.34	0.80	-0.27	0.172
28.50	-45.88	-7.96	0.00	-783.43	0.00	783.43	3,912.04	1,956.02	6,908.17	3,459.22	0.83	-0.28	0.172
29.00	-45.58	-7.95	0.00	-779.44	0.00	779.44	3,904.11	1,952.06	6,880.03	3,445.13	0.86	-0.28	0.170
30.00	-44.97	-7.94	0.00	-771.49	0.00	771.49	3,888.25	1,944.12	6,823.91	3,417.03	0.92	-0.29	0.169
31.00	-44.37	-7.93	0.00	-763.55	0.00	763.55	3,872.38	1,936.19	6,768.02	3,389.04	0.98	-0.30	0.168
32.00	-43.77	-7.92	0.00	-755.62	0.00	755.62	3,856.52	1,928.26	6,712.36	3,361.17	1.04	-0.31	0.167
33.00	-43.17	-7.91	0.00	-747.70	0.00	747.70	3,840.66	1,920.33	6,656.93	3,333.41	1.11	-0.32	0.167
34.00	-42.57	-7.89	0.00	-739.79	0.00	739.79	3,824.79	1,912.40	6,601.73	3,305.77	1.18	-0.33	0.166
35.00	-41.97	-7.88	0.00	-731.90	0.00	731.90	3,809.62	1,909.81	6,546.12	3,277.16	1.25	-0.34	0.161
36.00	-41.61	-7.87	0.00	-724.02	0.00	724.02	3,883.76	1,941.88	6,808.07	3,409.09	1.32	-0.35	0.160
37.00	-41.24	-7.85	0.00	-716.15	0.00	716.15	3,867.90	1,933.95	6,752.24	3,381.14	1.40	-0.36	0.160
38.00	-40.87	-7.84	0.00	-708.30	0.00	708.30	3,852.03	1,926.02	6,696.65	3,353.30	1.47	-0.37	0.159
39.00	-40.51	-7.83	0.00	-700.46	0.00	700.46	3,836.17	1,918.08	6,641.29	3,325.58	1.55	-0.38	0.158
40.00	-40.15	-7.82	0.00	-692.63	0.00	692.63	3,820.30	1,910.15	6,586.15	3,297.97	1.63	-0.39	0.158
41.00	-39.78	-7.80	0.00	-684.81	0.00	684.81	3,804.44	1,902.22	6,531.25	3,270.48	1.72	-0.40	0.157
42.00	-39.42	-7.79	0.00	-677.01	0.00	677.01	3,788.58	1,894.29	6,476.57	3,243.10	1.80	-0.41	0.156
43.00	-39.06	-7.78	0.00	-669.22	0.00	669.22	3,772.71	1,886.36	6,422.13	3,215.84	1.89	-0.42	0.155
43.00	-39.06	-7.78	0.00	-669.22	0.00	669.22	3,772.71	1,886.36	6,422.13	3,215.84	1.89	-0.42	0.155
44.00	-38.70	-7.76	0.00	-661.44	0.00	661.44	3,756.85	1,878.42	6,367.91	3,188.69	1.98	-0.43	0.155
45.00	-38.34	-7.75	0.00	-653.68	0.00	653.68	3,740.98	1,870.49	6,313.93	3,161.66	2.07	-0.44	0.154
46.00	-37.98	-7.73	0.00	-645.93	0.00	645.93	3,725.12	1,862.56	6,260.17	3,134.74	2.16	-0.44	0.153

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:17 PM

Customer: T- Mobile

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

47.00	-37.63	-7.72	0.00	-638.20	0.00	638.20	3,709.26	1,854.63	6,206.65	3,107.94	2.25	-0.45	0.152
48.00	-37.27	-7.71	0.00	-630.48	0.00	630.48	3,693.39	1,846.70	6,153.35	3,081.25	2.35	-0.46	0.151
49.00	-36.91	-7.69	0.00	-622.77	0.00	622.77	3,677.53	1,838.76	6,100.29	3,054.68	2.45	-0.47	0.151
50.00	-36.49	-7.66	0.00	-615.08	0.00	615.08	3,661.66	1,830.83	6,047.45	3,028.22	2.55	-0.48	0.150
51.00	-36.13	-7.64	0.00	-607.43	0.00	607.43	3,645.80	1,822.90	5,994.84	3,001.88	2.65	-0.49	0.149
52.00	-35.78	-7.63	0.00	-599.79	0.00	599.79	3,629.94	1,814.97	5,942.47	2,975.65	2.75	-0.50	0.148
53.00	-35.43	-7.61	0.00	-592.16	0.00	592.16	3,614.07	1,807.04	5,890.32	2,949.54	2.86	-0.51	0.147
54.00	-35.08	-7.59	0.00	-584.55	0.00	584.55	3,598.21	1,799.10	5,838.41	2,923.54	2.97	-0.52	0.146
55.00	-34.73	-7.55	0.00	-576.96	0.00	576.96	3,582.34	1,791.17	5,786.72	2,897.66	3.08	-0.53	0.146
56.00	-34.38	-7.52	0.00	-569.41	0.00	569.41	3,566.48	1,783.24	5,735.26	2,871.89	3.19	-0.54	0.145
57.00	-34.03	-7.48	0.00	-561.89	0.00	561.89	3,550.62	1,775.31	5,684.03	2,846.24	3.30	-0.55	0.144
58.00	-33.69	-7.44	0.00	-554.41	0.00	554.41	3,534.75	1,767.38	5,633.04	2,820.71	3.42	-0.55	0.143
59.00	-33.18	-7.40	0.00	-546.97	0.00	546.97	3,518.89	1,759.44	5,582.27	2,795.28	3.53	-0.56	0.141
60.00	-32.67	-7.36	0.00	-539.57	0.00	539.57	3,503.02	1,751.51	5,531.73	2,769.98	3.65	-0.57	0.140
61.00	-32.17	-7.32	0.00	-532.21	0.00	532.21	3,487.16	1,743.58	5,481.43	2,744.79	3.77	-0.58	0.139
62.00	-31.67	-7.28	0.00	-524.89	0.00	524.89	3,471.30	1,735.65	5,431.35	2,719.71	3.90	-0.59	0.138
63.00	-31.17	-7.25	0.00	-517.61	0.00	517.61	3,455.43	1,727.72	5,381.50	2,694.75	4.02	-0.60	0.137
63.50	-30.92	-7.23	0.00	-513.99	0.00	513.99	3,158.12	1,579.06	5,037.43	2,522.46	4.08	-0.60	0.135
64.00	-30.77	-7.20	0.00	-510.37	0.00	510.37	3,152.80	1,576.40	5,017.53	2,512.49	4.15	-0.61	0.134
65.00	-30.48	-7.16	0.00	-503.17	0.00	503.17	3,142.13	1,571.07	4,977.80	2,492.60	4.28	-0.62	0.133
66.00	-30.19	-7.13	0.00	-496.01	0.00	496.01	3,131.44	1,565.72	4,938.17	2,472.75	4.41	-0.63	0.132
67.00	-29.90	-7.09	0.00	-488.88	0.00	488.88	3,120.71	1,560.35	4,898.65	2,452.96	4.54	-0.64	0.131
68.00	-29.61	-7.05	0.00	-481.80	0.00	481.80	3,109.92	1,554.96	4,859.19	2,433.21	4.68	-0.65	0.129
69.00	-29.32	-7.01	0.00	-474.75	0.00	474.75	3,095.65	1,547.82	4,814.46	2,410.81	4.81	-0.66	0.128
70.00	-29.03	-6.97	0.00	-467.74	0.00	467.74	3,081.37	1,540.68	4,769.94	2,388.51	4.95	-0.67	0.127
71.00	-28.74	-6.93	0.00	-460.76	0.00	460.76	3,067.09	1,533.55	4,725.62	2,366.32	5.09	-0.68	0.126
72.00	-28.46	-6.89	0.00	-453.83	0.00	453.83	3,052.81	1,526.41	4,681.51	2,344.23	5.24	-0.69	0.125
73.00	-28.17	-6.86	0.00	-446.94	0.00	446.94	3,038.54	1,519.27	4,637.61	2,322.25	5.38	-0.70	0.124
74.00	-27.88	-6.82	0.00	-440.08	0.00	440.08	3,024.26	1,512.13	4,593.91	2,300.37	5.53	-0.71	0.123
75.00	-27.60	-6.78	0.00	-433.26	0.00	433.26	3,009.98	1,504.99	4,550.42	2,278.59	5.68	-0.72	0.122
76.00	-27.31	-6.74	0.00	-426.49	0.00	426.49	2,995.70	1,497.85	4,507.14	2,256.92	5.83	-0.73	0.121
77.00	-27.03	-6.70	0.00	-419.75	0.00	419.75	2,981.43	1,490.71	4,464.06	2,235.35	5.99	-0.74	0.120
78.00	-26.75	-6.66	0.00	-413.05	0.00	413.05	2,967.15	1,483.57	4,421.19	2,213.88	6.14	-0.75	0.119
79.00	-26.47	-6.62	0.00	-406.39	0.00	406.39	2,952.87	1,476.44	4,378.53	2,192.52	6.30	-0.76	0.118
80.00	-26.18	-6.58	0.00	-399.77	0.00	399.77	2,938.59	1,469.30	4,336.07	2,171.26	6.46	-0.77	0.117
81.00	-25.90	-6.54	0.00	-393.19	0.00	393.19	2,924.32	1,462.16	4,293.83	2,150.10	6.62	-0.78	0.116
82.00	-25.62	-6.50	0.00	-386.64	0.00	386.64	2,910.04	1,455.02	4,251.78	2,129.05	6.79	-0.79	0.115
83.00	-25.34	-6.46	0.00	-380.14	0.00	380.14	2,895.76	1,447.88	4,209.95	2,108.10	6.95	-0.80	0.114
84.00	-25.07	-6.42	0.00	-373.68	0.00	373.68	2,881.48	1,440.74	4,168.32	2,087.26	7.12	-0.81	0.113
85.00	-24.79	-6.38	0.00	-367.26	0.00	367.26	2,867.21	1,433.60	4,126.90	2,066.52	7.29	-0.82	0.112
86.00	-24.51	-6.34	0.00	-360.88	0.00	360.88	2,852.93	1,426.46	4,085.69	2,045.88	7.46	-0.83	0.110
87.00	-24.23	-6.30	0.00	-354.53	0.00	354.53	2,838.65	1,419.33	4,044.68	2,025.35	7.64	-0.84	0.109
88.00	-23.96	-6.26	0.00	-348.23	0.00	348.23	2,824.37	1,412.19	4,003.88	2,004.91	7.82	-0.85	0.108
89.00	-23.57	-6.22	0.00	-341.97	0.00	341.97	2,810.09	1,405.05	3,963.28	1,984.59	7.99	-0.85	0.106
90.00	-23.17	-6.18	0.00	-335.75	0.00	335.75	2,795.82	1,397.91	3,922.90	1,964.36	8.17	-0.86	0.105
91.00	-22.78	-6.13	0.00	-329.58	0.00	329.58	2,781.54	1,390.77	3,882.72	1,944.24	8.36	-0.87	0.103
92.00	-22.39	-6.09	0.00	-323.44	0.00	323.44	2,767.26	1,383.63	3,842.74	1,924.23	8.54	-0.88	0.102
93.00	-22.00	-6.05	0.00	-317.35	0.00	317.35	2,292.76	1,146.38	3,238.31	1,621.56	8.73	-0.89	0.113
94.00	-21.75	-6.01	0.00	-311.31	0.00	311.31	2,284.25	1,142.13	3,209.75	1,607.26	8.91	-0.90	0.111
95.00	-21.50	-5.97	0.00	-305.30	0.00	305.30	2,275.71	1,137.86	3,181.27	1,593.00	9.10	-0.91	0.110
96.00	-21.25	-5.92	0.00	-299.33	0.00	299.33	2,267.14	1,133.57	3,152.86	1,578.78	9.29	-0.92	0.108
97.00	-21.00	-5.88	0.00	-293.41	0.00	293.41	2,258.54	1,129.27	3,124.54	1,564.59	9.49	-0.93	0.107
98.00	-20.76	-5.84	0.00	-287.53	0.00	287.53	2,249.90	1,124.95	3,096.30	1,550.45	9.68	-0.94	0.105
99.00	-20.51	-5.80	0.00	-281.68	0.00	281.68	2,241.24	1,120.62	3,068.14	1,536.35	9.88	-0.95	0.104
100.00	-20.26	-5.76	0.00	-275.88	0.00	275.88	2,232.54	1,116.27	3,040.06	1,522.29	10.08	-0.96	0.102
101.00	-20.01	-5.72	0.00	-270.12	0.00	270.12	2,223.81	1,111.90	3,012.06	1,508.27	10.28	-0.96	0.101
102.00	-19.77	-5.68	0.00	-264.40	0.00	264.40	2,215.04	1,107.52	2,984.14	1,494.29	10.48	-0.97	0.099

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:17 PM

Customer: T- Mobile

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

103.00	-19.52	-5.64	0.00	-258.72	0.00	258.72	2,206.25	1,103.12	2,956.31	1,480.35	10.69	-0.98	0.098
104.00	-19.28	-5.60	0.00	-253.08	0.00	253.08	2,197.42	1,098.71	2,928.57	1,466.46	10.90	-0.99	0.096
105.00	-19.03	-5.56	0.00	-247.49	0.00	247.49	2,188.56	1,094.28	2,900.91	1,452.61	11.10	-1.00	0.095
105.00	-19.03	-5.56	0.00	-247.49	0.00	247.49	2,188.56	1,094.28	2,900.91	1,452.61	11.10	-1.00	0.179
106.00	-18.86	-5.52	0.00	-241.93	0.00	241.93	2,179.67	1,089.83	2,873.33	1,438.80	11.31	-1.01	0.177
107.00	-18.68	-5.48	0.00	-236.42	0.00	236.42	2,170.74	1,085.37	2,845.85	1,425.04	11.53	-1.02	0.175
108.00	-18.50	-5.44	0.00	-230.94	0.00	230.94	2,161.78	1,080.89	2,818.44	1,411.32	11.74	-1.04	0.172
109.00	-18.33	-5.40	0.00	-225.50	0.00	225.50	2,150.55	1,075.28	2,788.22	1,396.18	11.96	-1.06	0.170
110.00	-18.15	-5.37	0.00	-220.09	0.00	220.09	2,138.65	1,069.33	2,757.31	1,380.70	12.19	-1.07	0.168
111.00	-17.98	-5.34	0.00	-214.73	0.00	214.73	2,126.76	1,063.38	2,726.56	1,365.31	12.41	-1.09	0.166
112.00	-17.80	-5.32	0.00	-209.39	0.00	209.39	2,114.86	1,057.43	2,695.99	1,350.00	12.64	-1.10	0.164
113.00	-17.63	-5.30	0.00	-204.07	0.00	204.07	2,102.96	1,051.48	2,665.59	1,334.78	12.88	-1.12	0.161
114.00	-17.46	-5.26	0.00	-198.77	0.00	198.77	2,091.06	1,045.53	2,635.36	1,319.64	13.11	-1.14	0.159
115.00	-17.29	-5.23	0.00	-193.51	0.00	193.51	2,079.16	1,039.58	2,605.31	1,304.59	13.35	-1.15	0.157
116.00	-17.11	-5.20	0.00	-188.28	0.00	188.28	2,067.27	1,033.63	2,575.43	1,289.63	13.60	-1.17	0.154
116.50	-17.03	-5.18	0.00	-185.68	0.00	185.68	2,061.32	1,030.66	2,560.55	1,282.18	13.72	-1.17	0.153
117.00	-16.90	-5.15	0.00	-183.10	0.00	183.10	2,055.37	1,027.68	2,545.72	1,274.75	13.84	-1.18	0.152
118.00	-16.65	-5.11	0.00	-177.94	0.00	177.94	2,043.47	1,021.73	2,516.18	1,259.96	14.09	-1.20	0.149
119.00	-16.40	-5.08	0.00	-172.83	0.00	172.83	2,031.57	1,015.79	2,486.81	1,245.26	14.34	-1.21	0.147
120.00	-16.15	-5.04	0.00	-167.75	0.00	167.75	2,019.67	1,009.84	2,457.62	1,230.64	14.60	-1.23	0.144
121.00	-15.90	-5.00	0.00	-162.72	0.00	162.72	1,562.89	781.45	1,930.84	966.86	14.86	-1.24	0.179
122.00	-15.75	-4.96	0.00	-157.72	0.00	157.72	1,556.55	778.28	1,911.74	957.29	15.12	-1.25	0.175
123.00	-15.60	-4.93	0.00	-152.76	0.00	152.76	1,550.18	775.09	1,892.68	947.75	15.38	-1.27	0.171
124.00	-15.45	-4.89	0.00	-147.83	0.00	147.83	1,543.77	771.89	1,873.68	938.23	15.65	-1.29	0.168
125.00	-15.31	-4.85	0.00	-142.94	0.00	142.94	1,537.34	768.67	1,854.73	928.74	15.92	-1.30	0.164
126.00	-12.32	-3.78	0.00	-138.09	0.00	138.09	1,530.87	765.43	1,835.84	919.28	16.20	-1.32	0.158
127.00	-12.19	-3.74	0.00	-134.31	0.00	134.31	1,524.37	762.18	1,817.00	909.85	16.47	-1.33	0.156
128.00	-12.06	-3.71	0.00	-130.57	0.00	130.57	1,517.84	758.92	1,798.22	900.45	16.76	-1.35	0.153
129.00	-11.93	-3.67	0.00	-126.86	0.00	126.86	1,511.27	755.64	1,779.50	891.07	17.04	-1.36	0.150
130.00	-11.79	-3.63	0.00	-123.19	0.00	123.19	1,504.67	752.34	1,760.83	881.72	17.33	-1.38	0.148
131.00	-11.66	-3.60	0.00	-119.55	0.00	119.55	1,498.04	749.02	1,742.22	872.40	17.62	-1.39	0.145
132.00	-11.53	-3.56	0.00	-115.95	0.00	115.95	1,491.38	745.69	1,723.67	863.12	17.91	-1.41	0.142
133.00	-11.41	-3.53	0.00	-112.39	0.00	112.39	1,484.69	742.34	1,705.18	853.86	18.21	-1.42	0.139
134.00	-11.28	-3.49	0.00	-108.87	0.00	108.87	1,477.96	738.98	1,686.75	844.63	18.51	-1.44	0.137
135.00	-11.15	-3.45	0.00	-105.38	0.00	105.38	1,471.20	735.60	1,668.38	835.43	18.81	-1.45	0.134
136.00	-11.02	-3.42	0.00	-101.92	0.00	101.92	1,464.41	732.21	1,650.07	826.26	19.12	-1.47	0.131
137.00	-10.89	-3.38	0.00	-98.51	0.00	98.51	1,457.59	728.80	1,631.83	817.13	19.43	-1.48	0.128
138.00	-10.77	-3.34	0.00	-95.13	0.00	95.13	1,450.74	725.37	1,613.64	808.02	19.74	-1.49	0.125
139.00	-10.64	-3.31	0.00	-91.79	0.00	91.79	1,443.85	721.92	1,595.53	798.95	20.05	-1.51	0.122
140.00	-10.52	-3.27	0.00	-88.48	0.00	88.48	1,436.93	718.47	1,577.47	789.91	20.37	-1.52	0.119
141.00	-10.39	-3.23	0.00	-85.21	0.00	85.21	1,429.98	714.99	1,559.48	780.90	20.69	-1.53	0.116
142.00	-10.27	-3.20	0.00	-81.97	0.00	81.97	1,423.00	711.50	1,541.56	771.93	21.01	-1.55	0.113
143.00	-10.14	-3.16	0.00	-78.77	0.00	78.77	1,415.98	707.99	1,523.71	762.99	21.33	-1.56	0.110
144.00	-10.02	-3.13	0.00	-75.61	0.00	75.61	1,408.93	704.47	1,505.92	754.08	21.66	-1.57	0.107
145.00	-8.51	-2.62	0.00	-72.49	0.00	72.49	1,401.85	700.93	1,488.20	745.20	21.99	-1.58	0.103
146.00	-8.40	-2.60	0.00	-69.87	0.00	69.87	1,394.74	697.37	1,470.54	736.36	22.33	-1.59	0.101
147.00	-8.29	-2.59	0.00	-67.26	0.00	67.26	1,387.60	693.80	1,452.96	727.56	22.66	-1.60	0.098
148.00	-8.18	-2.57	0.00	-64.68	0.00	64.68	1,379.83	689.92	1,434.84	718.48	23.00	-1.62	0.096
149.00	-8.08	-2.55	0.00	-62.11	0.00	62.11	1,370.32	685.16	1,415.01	708.56	23.34	-1.63	0.094
150.00	-7.92	-2.53	0.00	-59.56	0.00	59.56	1,360.80	680.40	1,395.33	698.70	23.68	-1.64	0.091
151.00	-7.76	-2.52	0.00	-57.02	0.00	57.02	1,351.28	675.64	1,375.78	688.91	24.02	-1.65	0.089
152.00	-7.61	-2.50	0.00	-54.51	0.00	54.51	1,341.76	670.88	1,356.37	679.19	24.37	-1.66	0.086
152.50	-7.53	-2.49	0.00	-53.25	0.00	53.25	942.35	471.17	968.66	485.05	24.54	-1.66	0.118
153.00	-7.48	-2.48	0.00	-52.01	0.00	52.01	940.20	470.10	963.05	482.24	24.72	-1.67	0.116
154.00	-7.39	-2.47	0.00	-49.53	0.00	49.53	935.87	467.94	951.84	476.63	25.07	-1.68	0.112
155.00	-7.31	-2.45	0.00	-47.06	0.00	47.06	931.51	465.76	940.66	471.03	25.42	-1.69	0.108
156.00	-7.22	-2.43	0.00	-44.61	0.00	44.61	927.12	463.56	929.51	465.45	25.78	-1.71	0.104

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T- Mobile

Load Case: 1.0D + 1.0W

Serviceability 60 mph

33 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

157.00	-7.13	-2.42	0.00	-42.18	0.00	42.18	922.70	461.35	918.40	459.88	26.14	-1.72	0.099
158.00	-7.04	-2.40	0.00	-39.76	0.00	39.76	918.25	459.12	907.31	454.33	26.50	-1.73	0.095
159.00	-6.95	-2.39	0.00	-37.35	0.00	37.35	913.76	456.88	896.26	448.80	26.86	-1.74	0.091
160.00	-6.87	-2.37	0.00	-34.97	0.00	34.97	909.24	454.62	885.24	443.28	27.23	-1.75	0.086
161.00	-6.78	-2.36	0.00	-32.59	0.00	32.59	904.69	452.35	874.26	437.78	27.59	-1.76	0.082
162.00	-6.70	-2.34	0.00	-30.24	0.00	30.24	900.11	450.06	863.31	432.30	27.96	-1.77	0.077
163.00	-6.61	-2.32	0.00	-27.90	0.00	27.90	895.50	447.75	852.40	426.83	28.33	-1.78	0.073
164.00	-6.52	-2.31	0.00	-25.57	0.00	25.57	890.85	445.42	841.52	421.39	28.71	-1.78	0.068
165.00	-6.44	-2.29	0.00	-23.26	0.00	23.26	886.17	443.09	830.68	415.96	29.08	-1.79	0.063
166.00	-6.36	-2.28	0.00	-20.97	0.00	20.97	881.46	440.73	819.88	410.55	29.46	-1.80	0.058
167.00	-3.56	-1.34	0.00	-18.69	0.00	18.69	876.72	438.36	809.12	405.16	29.83	-1.80	0.050
168.00	-3.49	-1.32	0.00	-17.36	0.00	17.36	871.94	435.97	798.40	399.79	30.21	-1.81	0.047
169.00	-3.41	-1.30	0.00	-16.04	0.00	16.04	867.13	433.57	787.71	394.44	30.59	-1.82	0.045
170.00	-3.34	-1.29	0.00	-14.74	0.00	14.74	862.29	431.15	777.07	389.11	30.97	-1.82	0.042
171.00	-3.26	-1.27	0.00	-13.45	0.00	13.45	857.42	428.71	766.47	383.80	31.35	-1.83	0.039
172.00	-3.19	-1.26	0.00	-12.17	0.00	12.17	852.52	426.26	755.91	378.52	31.74	-1.83	0.036
173.00	-3.12	-1.24	0.00	-10.92	0.00	10.92	847.58	423.79	745.39	373.25	32.12	-1.84	0.033
174.00	-3.04	-1.22	0.00	-9.67	0.00	9.67	842.61	421.31	734.92	368.01	32.51	-1.84	0.030
175.00	-2.90	-1.08	0.00	-8.45	0.00	8.45	837.61	418.81	724.49	362.78	32.89	-1.84	0.027
176.00	-2.83	-1.06	0.00	-7.38	0.00	7.38	832.58	416.29	714.11	357.59	33.28	-1.85	0.024
177.00	-2.76	-1.05	0.00	-6.32	0.00	6.32	827.51	413.76	703.77	352.41	33.67	-1.85	0.021
178.00	-2.70	-1.03	0.00	-5.27	0.00	5.27	822.42	411.21	693.48	347.26	34.05	-1.85	0.018
179.00	-2.63	-1.02	0.00	-4.24	0.00	4.24	817.29	408.64	683.23	342.12	34.44	-1.85	0.016
180.00	-2.56	-1.00	0.00	-3.22	0.00	3.22	812.13	406.06	673.04	337.02	34.83	-1.86	0.013
181.00	-2.50	-0.99	0.00	-2.22	0.00	2.22	806.93	403.47	662.89	331.94	35.22	-1.86	0.010
182.00	-2.43	-0.97	0.00	-1.23	0.00	1.23	801.71	400.85	652.79	326.88	35.61	-1.86	0.007
183.00	0.00	-0.89	0.00	-0.26	0.00	0.26	796.45	398.23	642.74	321.85	36.00	-1.86	0.001

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T- Mobile

Equivalent Lateral Forces Method Analysis

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

Spectral Response Acceleration for Short Period (S_s):	0.19
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.06
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
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}):	0.20
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.10
Seismic Response Coefficient (C_s):	0.03
Upper Limit C_s	0.03
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	2.84
Redundancy Factor (p):	1.30
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	56.44 k
Seismic Base Shear (E):	2.20 k

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):	0.19
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.06
Importance Factor (I_E):	1.00
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}):	0.20
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.10
Period Based on Rayleigh Method (sec):	2.84
Redundancy Factor (ρ):	1.30

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

Seismic Equivalent Lateral Forces Method

Segment	Height Above Base (ft)	Weight (lb)	a	b	c	Saz	Horizontal Force (lb)	Vertical Force (lb)
188	182.50	65	1.880	1.926	1.121	0.377	21	56
187	181.50	66	1.859	1.821	1.082	0.363	21	56
186	180.50	66	1.839	1.720	1.045	0.349	20	57
185	179.50	66	1.818	1.623	1.009	0.335	19	57
184	178.50	67	1.798	1.530	0.974	0.322	19	57
183	177.50	67	1.778	1.441	0.940	0.309	18	58
182	176.50	67	1.758	1.355	0.907	0.296	17	58
181	175.50	68	1.738	1.273	0.875	0.284	17	58
180	174.50	73	1.719	1.194	0.843	0.272	17	63
179	173.50	73	1.699	1.118	0.813	0.259	16	63
178	172.50	74	1.679	1.045	0.783	0.248	16	63
177	171.50	74	1.660	0.976	0.755	0.236	15	64
176	170.50	74	1.641	0.910	0.727	0.225	14	64
175	169.50	75	1.621	0.846	0.700	0.214	14	64
174	168.50	75	1.602	0.786	0.673	0.203	13	65
173	167.50	75	1.583	0.728	0.648	0.192	13	65
172	166.50	84	1.565	0.673	0.623	0.182	13	72
171	165.50	85	1.546	0.620	0.599	0.171	13	73
170	164.50	85	1.527	0.570	0.576	0.161	12	73
169	163.50	85	1.509	0.523	0.553	0.152	11	73
168	162.50	86	1.490	0.477	0.531	0.142	11	74
167	161.50	86	1.472	0.434	0.510	0.133	10	74
166	160.50	86	1.454	0.394	0.490	0.124	9	74
165	159.50	87	1.436	0.355	0.470	0.115	9	75
164	158.50	87	1.418	0.318	0.450	0.106	8	75
163	157.50	88	1.400	0.284	0.432	0.098	7	75
162	156.50	88	1.382	0.251	0.414	0.090	7	76
161	155.50	88	1.365	0.220	0.396	0.082	6	76
160	154.50	89	1.347	0.191	0.379	0.074	6	76
159	153.50	89	1.330	0.164	0.363	0.066	5	76
158	152.75	45	1.317	0.144	0.351	0.061	2	38
157	152.25	78	1.308	0.132	0.343	0.057	4	67
156	151.50	156	1.295	0.114	0.332	0.052	7	134
155	150.50	157	1.278	0.092	0.317	0.045	6	135

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T- Mobile

154	149.50	158	1.261	0.070	0.303	0.038	5	136
153	148.50	107	1.245	0.051	0.289	0.032	3	92
152	147.50	107	1.228	0.033	0.276	0.026	2	92
151	146.50	108	1.211	0.016	0.263	0.020	2	93
150	145.50	108	1.195	0.000	0.251	0.014	1	93
149	144.50	124	1.178	-0.015	0.239	0.008	1	106
148	143.50	124	1.162	-0.028	0.228	0.003	0	107
147	142.50	125	1.146	-0.040	0.217	-0.002	0	107
146	141.50	125	1.130	-0.051	0.206	-0.007	-1	107
145	140.50	125	1.114	-0.062	0.196	-0.012	-1	108
144	139.50	126	1.098	-0.071	0.186	-0.016	-2	108
143	138.50	126	1.083	-0.079	0.176	-0.021	-2	109
142	137.50	127	1.067	-0.087	0.167	-0.025	-3	109
141	136.50	127	1.052	-0.093	0.158	-0.029	-3	109
140	135.50	128	1.036	-0.099	0.150	-0.032	-4	110
139	134.50	128	1.021	-0.104	0.142	-0.036	-4	110
138	133.50	129	1.006	-0.108	0.134	-0.039	-4	111
137	132.50	129	0.991	-0.112	0.127	-0.042	-5	111
136	131.50	130	0.976	-0.115	0.120	-0.045	-5	111
135	130.50	130	0.961	-0.117	0.113	-0.048	-5	112
134	129.50	131	0.946	-0.119	0.106	-0.050	-6	112
133	128.50	131	0.932	-0.121	0.100	-0.052	-6	113
132	127.50	132	0.917	-0.121	0.094	-0.054	-6	113
131	126.50	132	0.903	-0.122	0.089	-0.056	-6	113
130	125.50	146	0.889	-0.122	0.083	-0.057	-7	125
129	124.50	146	0.875	-0.121	0.078	-0.059	-7	126
128	123.50	147	0.861	-0.120	0.073	-0.060	-8	126
127	122.50	147	0.847	-0.119	0.068	-0.060	-8	127
126	121.50	148	0.833	-0.117	0.064	-0.061	-8	127
125	120.50	249	0.819	-0.115	0.060	-0.061	-13	214
124	119.50	250	0.806	-0.113	0.056	-0.062	-13	215
123	118.50	251	0.792	-0.110	0.052	-0.061	-13	216
122	117.50	252	0.779	-0.108	0.048	-0.061	-13	217
121	116.75	127	0.769	-0.106	0.045	-0.061	-7	109
120	116.25	85	0.763	-0.104	0.044	-0.060	-4	73
119	115.50	171	0.753	-0.102	0.041	-0.060	-9	147
118	114.50	171	0.740	-0.098	0.038	-0.059	-9	147
117	113.50	172	0.727	-0.095	0.035	-0.058	-9	148
116	112.50	173	0.714	-0.091	0.033	-0.056	-8	148
115	111.50	173	0.702	-0.087	0.030	-0.055	-8	149
114	110.50	174	0.689	-0.084	0.028	-0.053	-8	149
113	109.50	174	0.677	-0.080	0.026	-0.051	-8	150
112	108.50	175	0.664	-0.075	0.023	-0.049	-7	150
111	107.50	176	0.652	-0.071	0.022	-0.046	-7	151
110	106.50	176	0.640	-0.067	0.020	-0.044	-7	151
109	105.50	177	0.628	-0.063	0.018	-0.041	-6	152
108	104.50	244	0.616	-0.059	0.016	-0.038	-8	210
107	103.50	245	0.605	-0.055	0.015	-0.035	-7	210
106	102.50	245	0.593	-0.050	0.014	-0.031	-7	211
105	101.50	246	0.581	-0.046	0.013	-0.028	-6	211
104	100.50	246	0.570	-0.042	0.012	-0.025	-5	212
103	99.50	247	0.559	-0.038	0.011	-0.021	-4	212
102	98.50	248	0.548	-0.034	0.010	-0.017	-4	213
101	97.50	248	0.536	-0.030	0.009	-0.014	-3	213
100	96.50	249	0.526	-0.025	0.008	-0.010	-2	214
99	95.50	249	0.515	-0.022	0.008	-0.006	-1	214
98	94.50	250	0.504	-0.018	0.007	-0.002	-1	215
97	93.50	251	0.493	-0.014	0.007	0.001	0	215
96	92.50	388	0.483	-0.010	0.006	0.005	2	333
95	91.50	389	0.472	-0.006	0.006	0.009	3	335
94	90.50	391	0.462	-0.003	0.006	0.012	4	336
93	89.50	392	0.452	0.001	0.006	0.016	5	337
92	88.50	393	0.442	0.004	0.006	0.019	6	338
91	87.50	275	0.432	0.008	0.006	0.022	5	236

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T- Mobile

90	86.50	276	0.422	0.011	0.006	0.025	6	237
89	85.50	277	0.413	0.014	0.006	0.028	7	238
88	84.50	277	0.403	0.017	0.006	0.031	8	238
87	83.50	278	0.393	0.020	0.007	0.034	8	239
86	82.50	279	0.384	0.023	0.007	0.036	9	240
85	81.50	279	0.375	0.026	0.007	0.039	9	240
84	80.50	280	0.366	0.028	0.008	0.041	10	241
83	79.50	281	0.357	0.031	0.008	0.043	11	241
82	78.50	282	0.348	0.033	0.009	0.045	11	242
81	77.50	282	0.339	0.036	0.009	0.047	12	243
80	76.50	283	0.330	0.038	0.010	0.049	12	243
79	75.50	284	0.322	0.040	0.011	0.050	12	244
78	74.50	284	0.313	0.042	0.011	0.052	13	244
77	73.50	285	0.305	0.044	0.012	0.053	13	245
76	72.50	286	0.297	0.046	0.013	0.054	13	246
75	71.50	287	0.289	0.048	0.013	0.055	14	246
74	70.50	287	0.281	0.049	0.014	0.056	14	247
73	69.50	288	0.273	0.051	0.015	0.057	14	247
72	68.50	289	0.265	0.053	0.016	0.058	14	248
71	67.50	289	0.257	0.054	0.016	0.058	15	249
70	66.50	290	0.250	0.055	0.017	0.059	15	249
69	65.50	291	0.242	0.057	0.018	0.059	15	250
68	64.50	291	0.235	0.058	0.019	0.060	15	250
67	63.75	146	0.229	0.059	0.019	0.060	8	125
66	63.25	249	0.226	0.059	0.020	0.060	13	214
65	62.50	499	0.220	0.060	0.021	0.060	26	429
64	61.50	501	0.213	0.061	0.021	0.060	26	430
63	60.50	502	0.207	0.062	0.022	0.061	26	432
62	59.50	504	0.200	0.063	0.023	0.061	26	433
61	58.50	506	0.193	0.064	0.024	0.061	27	435
60	57.50	346	0.187	0.064	0.025	0.061	18	297
59	56.50	347	0.180	0.065	0.026	0.061	18	298
58	55.50	348	0.174	0.066	0.027	0.061	18	299
57	54.50	348	0.168	0.066	0.028	0.060	18	299
56	53.50	349	0.162	0.067	0.028	0.060	18	300
55	52.50	350	0.156	0.067	0.029	0.060	18	301
54	51.50	351	0.150	0.068	0.030	0.060	18	302
53	50.50	352	0.144	0.068	0.031	0.060	18	303
52	49.50	353	0.138	0.069	0.032	0.060	18	303
51	48.50	354	0.133	0.069	0.033	0.059	18	304
50	47.50	355	0.127	0.070	0.033	0.059	18	305
49	46.50	356	0.122	0.070	0.034	0.059	18	306
48	45.50	357	0.117	0.070	0.035	0.059	18	307
47	44.50	358	0.112	0.070	0.036	0.059	18	308
46	43.50	359	0.107	0.071	0.036	0.058	18	308
45	42.50	360	0.102	0.071	0.037	0.058	18	309
44	41.50	361	0.097	0.071	0.038	0.058	18	310
43	40.50	362	0.093	0.071	0.038	0.058	18	311
42	39.50	363	0.088	0.071	0.039	0.057	18	312
41	38.50	364	0.084	0.072	0.039	0.057	18	312
40	37.50	365	0.079	0.072	0.040	0.057	18	313
39	36.50	365	0.075	0.072	0.040	0.057	18	314
38	35.50	366	0.071	0.072	0.040	0.057	18	315
37	34.50	595	0.067	0.072	0.041	0.056	29	511
36	33.50	597	0.063	0.072	0.041	0.056	29	513
35	32.50	598	0.060	0.072	0.041	0.056	29	514
34	31.50	600	0.056	0.071	0.042	0.056	29	516
33	30.50	602	0.053	0.071	0.042	0.055	29	517
32	29.50	604	0.049	0.071	0.042	0.055	29	519
31	28.75	303	0.047	0.071	0.042	0.055	14	260
30	28.25	184	0.045	0.071	0.042	0.055	9	158
29	27.50	369	0.043	0.070	0.042	0.054	17	317
28	26.50	370	0.040	0.070	0.042	0.054	17	318
27	25.50	370	0.037	0.070	0.041	0.054	17	318

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T-Mobile

26	24.50	371	0.034	0.069	0.041	0.053	17	319
25	23.50	372	0.031	0.068	0.041	0.053	17	320
24	22.75	187	0.029	0.068	0.040	0.053	9	160
23	22.25	187	0.028	0.068	0.040	0.052	8	160
22	21.50	374	0.026	0.067	0.040	0.052	17	322
21	20.50	375	0.024	0.066	0.039	0.052	17	322
20	19.50	376	0.021	0.065	0.038	0.051	17	323
19	18.50	377	0.019	0.064	0.038	0.050	16	324
18	17.50	378	0.017	0.062	0.037	0.049	16	325
17	16.50	379	0.015	0.061	0.036	0.049	16	326
16	15.50	380	0.014	0.059	0.035	0.048	16	326
15	14.50	381	0.012	0.057	0.033	0.047	15	327
14	13.50	382	0.010	0.055	0.032	0.045	15	328
13	12.50	383	0.009	0.053	0.031	0.044	15	329
12	11.50	384	0.007	0.051	0.029	0.042	14	330
11	10.50	385	0.006	0.048	0.027	0.041	14	331
10	9.50	386	0.005	0.045	0.025	0.039	13	331
9	8.50	387	0.004	0.042	0.023	0.037	12	332
8	7.50	387	0.003	0.038	0.021	0.034	11	333
7	6.50	388	0.002	0.034	0.019	0.031	11	334
6	5.50	389	0.002	0.030	0.016	0.028	10	335
5	4.50	322	0.001	0.025	0.014	0.025	7	277
4	3.50	323	0.001	0.021	0.011	0.021	6	278
3	2.50	324	0.000	0.015	0.008	0.016	4	279
2	1.50	325	0.000	0.009	0.005	0.010	3	279
1	0.50	326	0.000	0.003	0.002	0.004	1	280
DragonWave Horizon C	183.00	21	1.890	1.980	1.140	0.384	7	18
NextNet BTS-2500	183.00	105	1.890	1.980	1.140	0.384	35	90
Decibel DB844H90E-XY	183.00	84	1.890	1.980	1.140	0.384	28	72
Argus LLPX310R	183.00	86	1.890	1.980	1.140	0.384	29	74
DragonWave A-ANT-18G	183.00	54	1.890	1.980	1.140	0.384	18	47
Andrew 844G65VTZASX	183.00	48	1.890	1.980	1.140	0.384	16	41
Flat Platform w/ Han	183.00	2,000	1.890	1.980	1.140	0.384	665	1,719
RFS APXV18-206517S-C	175.00	79	1.728	1.233	0.859	0.278	19	68
LGP Allgon LGP21903	167.00	33	1.574	0.700	0.635	0.187	5	28
Powerwave Allgon LGP	167.00	85	1.574	0.700	0.635	0.187	14	73
Raycap DC6-48-60-18-	167.00	32	1.574	0.700	0.635	0.187	5	27
Ericsson RRUS 11 (Ba	167.00	264	1.574	0.700	0.635	0.187	43	227
KMW AM-X-CD-14-65-00	167.00	73	1.574	0.700	0.635	0.187	12	63
Powerwave Allgon 777	167.00	210	1.574	0.700	0.635	0.187	34	180
Kathrein 800 10764	167.00	41	1.574	0.700	0.635	0.187	7	35
Flat Platform w/ Han	167.00	2,000	1.574	0.700	0.635	0.187	324	1,719
Kathrein Scala Smart	145.00	10	1.187	-0.008	0.245	0.011	0	9
Andrew ETW200VS12UB	145.00	33	1.187	-0.008	0.245	0.011	0	28
Andrew ETW190VS12UB	145.00	33	1.187	-0.008	0.245	0.011	0	28
Andrew SBNHH-1D65A	145.00	123	1.187	-0.008	0.245	0.011	1	105
Flat Light Sector Fr	145.00	1,200	1.187	-0.008	0.245	0.011	12	1,031
RFS FD9R6004/1C-3L	126.00	19	0.896	-0.122	0.086	-0.057	-1	16
Alcatel-Lucent RRH2X	126.00	138	0.896	-0.122	0.086	-0.057	-7	119
Alcatel-Lucent RRH2X	126.00	132	0.896	-0.122	0.086	-0.057	-6	113
Alcatel-Lucent RRH2x	126.00	132	0.896	-0.122	0.086	-0.057	-6	113
RFS DB-T1-6Z-8AB-0Z	126.00	44	0.896	-0.122	0.086	-0.057	-2	38
RFS DB-T1-6Z-8AB-0Z	126.00	44	0.896	-0.122	0.086	-0.057	-2	38
Andrew HBXX-6516DS-A	126.00	92	0.896	-0.122	0.086	-0.057	-4	79
Andrew LNX-4514DS-A1	126.00	89	0.896	-0.122	0.086	-0.057	-4	76
Antel BXA-80063/6CF	126.00	45	0.896	-0.122	0.086	-0.057	-2	38
Andrew HBXX-6517DS-A	126.00	129	0.896	-0.122	0.086	-0.057	-6	111
Flat Platform w/ Han	126.00	2,000	0.896	-0.122	0.086	-0.057	-98	1,719
Thales PCS VP/360/2	50.00	1	0.141	0.069	0.031	0.060	0	1
Stand-Off	50.00	75	0.141	0.069	0.031	0.060	4	64
		56,442	161.291	46.521	46.016	13.101	2,698	48,498

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)
188	182.50	65	1.880	1.926	1.121	0.377	21	56
187	181.50	66	1.859	1.821	1.082	0.363	21	56
186	180.50	66	1.839	1.720	1.045	0.349	20	57
185	179.50	66	1.818	1.623	1.009	0.335	19	57
184	178.50	67	1.798	1.530	0.974	0.322	19	57
183	177.50	67	1.778	1.441	0.940	0.309	18	58
182	176.50	67	1.758	1.355	0.907	0.296	17	58
181	175.50	68	1.738	1.273	0.875	0.284	17	58
180	174.50	73	1.719	1.194	0.843	0.272	17	63
179	173.50	73	1.699	1.118	0.813	0.259	16	63
178	172.50	74	1.679	1.045	0.783	0.248	16	63
177	171.50	74	1.660	0.976	0.755	0.236	15	64
176	170.50	74	1.641	0.910	0.727	0.225	14	64
175	169.50	75	1.621	0.846	0.700	0.214	14	64
174	168.50	75	1.602	0.786	0.673	0.203	13	65
173	167.50	75	1.583	0.728	0.648	0.192	13	65
172	166.50	84	1.565	0.673	0.623	0.182	13	72
171	165.50	85	1.546	0.620	0.599	0.171	13	73
170	164.50	85	1.527	0.570	0.576	0.161	12	73
169	163.50	85	1.509	0.523	0.553	0.152	11	73
168	162.50	86	1.490	0.477	0.531	0.142	11	74
167	161.50	86	1.472	0.434	0.510	0.133	10	74
166	160.50	86	1.454	0.394	0.490	0.124	9	74
165	159.50	87	1.436	0.355	0.470	0.115	9	75
164	158.50	87	1.418	0.318	0.450	0.106	8	75
163	157.50	88	1.400	0.284	0.432	0.098	7	75
162	156.50	88	1.382	0.251	0.414	0.090	7	76
161	155.50	88	1.365	0.220	0.396	0.082	6	76
160	154.50	89	1.347	0.191	0.379	0.074	6	76
159	153.50	89	1.330	0.164	0.363	0.066	5	76
158	152.75	45	1.317	0.144	0.351	0.061	2	38
157	152.25	78	1.308	0.132	0.343	0.057	4	67
156	151.50	156	1.295	0.114	0.332	0.052	7	134
155	150.50	157	1.278	0.092	0.317	0.045	6	135
154	149.50	158	1.261	0.070	0.303	0.038	5	136
153	148.50	107	1.245	0.051	0.289	0.032	3	92
152	147.50	107	1.228	0.033	0.276	0.026	2	92
151	146.50	108	1.211	0.016	0.263	0.020	2	93
150	145.50	108	1.195	0.000	0.251	0.014	1	93
149	144.50	124	1.178	-0.015	0.239	0.008	1	106
148	143.50	124	1.162	-0.028	0.228	0.003	0	107
147	142.50	125	1.146	-0.040	0.217	-0.002	0	107
146	141.50	125	1.130	-0.051	0.206	-0.007	-1	107
145	140.50	125	1.114	-0.062	0.196	-0.012	-1	108
144	139.50	126	1.098	-0.071	0.186	-0.016	-2	108
143	138.50	126	1.083	-0.079	0.176	-0.021	-2	109
142	137.50	127	1.067	-0.087	0.167	-0.025	-3	109
141	136.50	127	1.052	-0.093	0.158	-0.029	-3	109
140	135.50	128	1.036	-0.099	0.150	-0.032	-4	110
139	134.50	128	1.021	-0.104	0.142	-0.036	-4	110
138	133.50	129	1.006	-0.108	0.134	-0.039	-4	111
137	132.50	129	0.991	-0.112	0.127	-0.042	-5	111
136	131.50	130	0.976	-0.115	0.120	-0.045	-5	111
135	130.50	130	0.961	-0.117	0.113	-0.048	-5	112
134	129.50	131	0.946	-0.119	0.106	-0.050	-6	112
133	128.50	131	0.932	-0.121	0.100	-0.052	-6	113

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:18 PM

Customer: T- Mobile

132	127.50	132	0.917	-0.121	0.094	-0.054	-6	113
131	126.50	132	0.903	-0.122	0.089	-0.056	-6	113
130	125.50	146	0.889	-0.122	0.083	-0.057	-7	125
129	124.50	146	0.875	-0.121	0.078	-0.059	-7	126
128	123.50	147	0.861	-0.120	0.073	-0.060	-8	126
127	122.50	147	0.847	-0.119	0.068	-0.060	-8	127
126	121.50	148	0.833	-0.117	0.064	-0.061	-8	127
125	120.50	249	0.819	-0.115	0.060	-0.061	-13	214
124	119.50	250	0.806	-0.113	0.056	-0.062	-13	215
123	118.50	251	0.792	-0.110	0.052	-0.061	-13	216
122	117.50	252	0.779	-0.108	0.048	-0.061	-13	217
121	116.75	127	0.769	-0.106	0.045	-0.061	-7	109
120	116.25	85	0.763	-0.104	0.044	-0.060	-4	73
119	115.50	171	0.753	-0.102	0.041	-0.060	-9	147
118	114.50	171	0.740	-0.098	0.038	-0.059	-9	147
117	113.50	172	0.727	-0.095	0.035	-0.058	-9	148
116	112.50	173	0.714	-0.091	0.033	-0.056	-8	148
115	111.50	173	0.702	-0.087	0.030	-0.055	-8	149
114	110.50	174	0.689	-0.084	0.028	-0.053	-8	149
113	109.50	174	0.677	-0.080	0.026	-0.051	-8	150
112	108.50	175	0.664	-0.075	0.023	-0.049	-7	150
111	107.50	176	0.652	-0.071	0.022	-0.046	-7	151
110	106.50	176	0.640	-0.067	0.020	-0.044	-7	151
109	105.50	177	0.628	-0.063	0.018	-0.041	-6	152
108	104.50	244	0.616	-0.059	0.016	-0.038	-8	210
107	103.50	245	0.605	-0.055	0.015	-0.035	-7	210
106	102.50	245	0.593	-0.050	0.014	-0.031	-7	211
105	101.50	246	0.581	-0.046	0.013	-0.028	-6	211
104	100.50	246	0.570	-0.042	0.012	-0.025	-5	212
103	99.50	247	0.559	-0.038	0.011	-0.021	-4	212
102	98.50	248	0.548	-0.034	0.010	-0.017	-4	213
101	97.50	248	0.536	-0.030	0.009	-0.014	-3	213
100	96.50	249	0.526	-0.025	0.008	-0.010	-2	214
99	95.50	249	0.515	-0.022	0.008	-0.006	-1	214
98	94.50	250	0.504	-0.018	0.007	-0.002	-1	215
97	93.50	251	0.493	-0.014	0.007	0.001	0	215
96	92.50	388	0.483	-0.010	0.006	0.005	2	333
95	91.50	389	0.472	-0.006	0.006	0.009	3	335
94	90.50	391	0.462	-0.003	0.006	0.012	4	336
93	89.50	392	0.452	0.001	0.006	0.016	5	337
92	88.50	393	0.442	0.004	0.006	0.019	6	338
91	87.50	275	0.432	0.008	0.006	0.022	5	236
90	86.50	276	0.422	0.011	0.006	0.025	6	237
89	85.50	277	0.413	0.014	0.006	0.028	7	238
88	84.50	277	0.403	0.017	0.006	0.031	8	238
87	83.50	278	0.393	0.020	0.007	0.034	8	239
86	82.50	279	0.384	0.023	0.007	0.036	9	240
85	81.50	279	0.375	0.026	0.007	0.039	9	240
84	80.50	280	0.366	0.028	0.008	0.041	10	241
83	79.50	281	0.357	0.031	0.008	0.043	11	241
82	78.50	282	0.348	0.033	0.009	0.045	11	242
81	77.50	282	0.339	0.036	0.009	0.047	12	243
80	76.50	283	0.330	0.038	0.010	0.049	12	243
79	75.50	284	0.322	0.040	0.011	0.050	12	244
78	74.50	284	0.313	0.042	0.011	0.052	13	244
77	73.50	285	0.305	0.044	0.012	0.053	13	245
76	72.50	286	0.297	0.046	0.013	0.054	13	246
75	71.50	287	0.289	0.048	0.013	0.055	14	246
74	70.50	287	0.281	0.049	0.014	0.056	14	247
73	69.50	288	0.273	0.051	0.015	0.057	14	247
72	68.50	289	0.265	0.053	0.016	0.058	14	248
71	67.50	289	0.257	0.054	0.016	0.058	15	249
70	66.50	290	0.250	0.055	0.017	0.059	15	249
69	65.50	291	0.242	0.057	0.018	0.059	15	250

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:18 PM

Customer: T- Mobile

68	64.50	291	0.235	0.058	0.019	0.060	15	250
67	63.75	146	0.229	0.059	0.019	0.060	8	125
66	63.25	249	0.226	0.059	0.020	0.060	13	214
65	62.50	499	0.220	0.060	0.021	0.060	26	429
64	61.50	501	0.213	0.061	0.021	0.060	26	430
63	60.50	502	0.207	0.062	0.022	0.061	26	432
62	59.50	504	0.200	0.063	0.023	0.061	26	433
61	58.50	506	0.193	0.064	0.024	0.061	27	435
60	57.50	346	0.187	0.064	0.025	0.061	18	297
59	56.50	347	0.180	0.065	0.026	0.061	18	298
58	55.50	348	0.174	0.066	0.027	0.061	18	299
57	54.50	348	0.168	0.066	0.028	0.060	18	299
56	53.50	349	0.162	0.067	0.028	0.060	18	300
55	52.50	350	0.156	0.067	0.029	0.060	18	301
54	51.50	351	0.150	0.068	0.030	0.060	18	302
53	50.50	352	0.144	0.068	0.031	0.060	18	303
52	49.50	353	0.138	0.069	0.032	0.060	18	303
51	48.50	354	0.133	0.069	0.033	0.059	18	304
50	47.50	355	0.127	0.070	0.033	0.059	18	305
49	46.50	356	0.122	0.070	0.034	0.059	18	306
48	45.50	357	0.117	0.070	0.035	0.059	18	307
47	44.50	358	0.112	0.070	0.036	0.059	18	308
46	43.50	359	0.107	0.071	0.036	0.058	18	308
45	42.50	360	0.102	0.071	0.037	0.058	18	309
44	41.50	361	0.097	0.071	0.038	0.058	18	310
43	40.50	362	0.093	0.071	0.038	0.058	18	311
42	39.50	363	0.088	0.071	0.039	0.057	18	312
41	38.50	364	0.084	0.072	0.039	0.057	18	312
40	37.50	365	0.079	0.072	0.040	0.057	18	313
39	36.50	365	0.075	0.072	0.040	0.057	18	314
38	35.50	366	0.071	0.072	0.040	0.057	18	315
37	34.50	595	0.067	0.072	0.041	0.056	29	511
36	33.50	597	0.063	0.072	0.041	0.056	29	513
35	32.50	598	0.060	0.072	0.041	0.056	29	514
34	31.50	600	0.056	0.071	0.042	0.056	29	516
33	30.50	602	0.053	0.071	0.042	0.055	29	517
32	29.50	604	0.049	0.071	0.042	0.055	29	519
31	28.75	303	0.047	0.071	0.042	0.055	14	260
30	28.25	184	0.045	0.071	0.042	0.055	9	158
29	27.50	369	0.043	0.070	0.042	0.054	17	317
28	26.50	370	0.040	0.070	0.042	0.054	17	318
27	25.50	370	0.037	0.070	0.041	0.054	17	318
26	24.50	371	0.034	0.069	0.041	0.053	17	319
25	23.50	372	0.031	0.068	0.041	0.053	17	320
24	22.75	187	0.029	0.068	0.040	0.053	9	160
23	22.25	187	0.028	0.068	0.040	0.052	8	160
22	21.50	374	0.026	0.067	0.040	0.052	17	322
21	20.50	375	0.024	0.066	0.039	0.052	17	322
20	19.50	376	0.021	0.065	0.038	0.051	17	323
19	18.50	377	0.019	0.064	0.038	0.050	16	324
18	17.50	378	0.017	0.062	0.037	0.049	16	325
17	16.50	379	0.015	0.061	0.036	0.049	16	326
16	15.50	380	0.014	0.059	0.035	0.048	16	326
15	14.50	381	0.012	0.057	0.033	0.047	15	327
14	13.50	382	0.010	0.055	0.032	0.045	15	328
13	12.50	383	0.009	0.053	0.031	0.044	15	329
12	11.50	384	0.007	0.051	0.029	0.042	14	330
11	10.50	385	0.006	0.048	0.027	0.041	14	331
10	9.50	386	0.005	0.045	0.025	0.039	13	331
9	8.50	387	0.004	0.042	0.023	0.037	12	332
8	7.50	387	0.003	0.038	0.021	0.034	11	333
7	6.50	388	0.002	0.034	0.019	0.031	11	334
6	5.50	389	0.002	0.030	0.016	0.028	10	335
5	4.50	322	0.001	0.025	0.014	0.025	7	277

Site Number: 302535

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

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Customer: T-Mobile

4	3.50	323	0.001	0.021	0.011	0.021	6	278
3	2.50	324	0.000	0.015	0.008	0.016	4	279
2	1.50	325	0.000	0.009	0.005	0.010	3	279
1	0.50	326	0.000	0.003	0.002	0.004	1	280
DragonWave Horizon C	183.00	21	1.890	1.980	1.140	0.384	7	18
NextNet BTS-2500	183.00	105	1.890	1.980	1.140	0.384	35	90
Decibel DB844H90E-XY	183.00	84	1.890	1.980	1.140	0.384	28	72
Argus LLPX310R	183.00	86	1.890	1.980	1.140	0.384	29	74
DragonWave A-ANT-18G	183.00	54	1.890	1.980	1.140	0.384	18	47
Andrew 844G65VTZASX	183.00	48	1.890	1.980	1.140	0.384	16	41
Flat Platform w/ Han	183.00	2,000	1.890	1.980	1.140	0.384	665	1,719
RFS APXV18-206517S-C	175.00	79	1.728	1.233	0.859	0.278	19	68
LGP Allgon LGP21903	167.00	33	1.574	0.700	0.635	0.187	5	28
Powerwave Allgon LGP	167.00	85	1.574	0.700	0.635	0.187	14	73
Raycap DC6-48-60-18-	167.00	32	1.574	0.700	0.635	0.187	5	27
Ericsson RRUS 11 (Ba	167.00	264	1.574	0.700	0.635	0.187	43	227
KMW AM-X-CD-14-65-00	167.00	73	1.574	0.700	0.635	0.187	12	63
Powerwave Allgon 777	167.00	210	1.574	0.700	0.635	0.187	34	180
Kathrein 800 10764	167.00	41	1.574	0.700	0.635	0.187	7	35
Flat Platform w/ Han	167.00	2,000	1.574	0.700	0.635	0.187	324	1,719
Kathrein Scala Smart	145.00	10	1.187	-0.008	0.245	0.011	0	9
Andrew ETW200VS12UB	145.00	33	1.187	-0.008	0.245	0.011	0	28
Andrew ETW190VS12UB	145.00	33	1.187	-0.008	0.245	0.011	0	28
Andrew SBNHH-1D65A	145.00	123	1.187	-0.008	0.245	0.011	1	105
Flat Light Sector Fr	145.00	1,200	1.187	-0.008	0.245	0.011	12	1,031
RFS FD9R6004/1C-3L	126.00	19	0.896	-0.122	0.086	-0.057	-1	16
Alcatel-Lucent RRH2X	126.00	138	0.896	-0.122	0.086	-0.057	-7	119
Alcatel-Lucent RRH2X	126.00	132	0.896	-0.122	0.086	-0.057	-6	113
Alcatel-Lucent RRH2x	126.00	132	0.896	-0.122	0.086	-0.057	-6	113
RFS DB-T1-6Z-8AB-0Z	126.00	44	0.896	-0.122	0.086	-0.057	-2	38
RFS DB-T1-6Z-8AB-0Z	126.00	44	0.896	-0.122	0.086	-0.057	-2	38
Andrew HBXX-6516DS-A	126.00	92	0.896	-0.122	0.086	-0.057	-4	79
Andrew LNX-4514DS-A1	126.00	89	0.896	-0.122	0.086	-0.057	-4	76
Antel BXA-80063/6CF	126.00	45	0.896	-0.122	0.086	-0.057	-2	38
Andrew HBXX-6517DS-A	126.00	129	0.896	-0.122	0.086	-0.057	-6	111
Flat Platform w/ Han	126.00	2,000	0.896	-0.122	0.086	-0.057	-98	1,719
Thales PCS VP/360/2	50.00	1	0.141	0.069	0.031	0.060	0	1
Stand-Off	50.00	75	0.141	0.069	0.031	0.060	4	64
		56,442	161.291	46.521	46.016	13.101	2,698	48,498

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

Seismic (Reduced DL) Equivalent Lateral Forces Method

Segment	Height Above Base (ft)	Weight (lb)	a	b	c	Saz	Horizontal Force (lb)	Vertical Force (lb)
188	182.50	65	1.880	1.926	1.121	0.377	21	56
187	181.50	66	1.859	1.821	1.082	0.363	21	56
186	180.50	66	1.839	1.720	1.045	0.349	20	57
185	179.50	66	1.818	1.623	1.009	0.335	19	57
184	178.50	67	1.798	1.530	0.974	0.322	19	57
183	177.50	67	1.778	1.441	0.940	0.309	18	58
182	176.50	67	1.758	1.355	0.907	0.296	17	58
181	175.50	68	1.738	1.273	0.875	0.284	17	58
180	174.50	73	1.719	1.194	0.843	0.272	17	63
179	173.50	73	1.699	1.118	0.813	0.259	16	63
178	172.50	74	1.679	1.045	0.783	0.248	16	63
177	171.50	74	1.660	0.976	0.755	0.236	15	64
176	170.50	74	1.641	0.910	0.727	0.225	14	64
175	169.50	75	1.621	0.846	0.700	0.214	14	64
174	168.50	75	1.602	0.786	0.673	0.203	13	65
173	167.50	75	1.583	0.728	0.648	0.192	13	65

Site Number: 302535

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Customer: T- Mobile

172	166.50	84	1.565	0.673	0.623	0.182	13	72
171	165.50	85	1.546	0.620	0.599	0.171	13	73
170	164.50	85	1.527	0.570	0.576	0.161	12	73
169	163.50	85	1.509	0.523	0.553	0.152	11	73
168	162.50	86	1.490	0.477	0.531	0.142	11	74
167	161.50	86	1.472	0.434	0.510	0.133	10	74
166	160.50	86	1.454	0.394	0.490	0.124	9	74
165	159.50	87	1.436	0.355	0.470	0.115	9	75
164	158.50	87	1.418	0.318	0.450	0.106	8	75
163	157.50	88	1.400	0.284	0.432	0.098	7	75
162	156.50	88	1.382	0.251	0.414	0.090	7	76
161	155.50	88	1.365	0.220	0.396	0.082	6	76
160	154.50	89	1.347	0.191	0.379	0.074	6	76
159	153.50	89	1.330	0.164	0.363	0.066	5	76
158	152.75	45	1.317	0.144	0.351	0.061	2	38
157	152.25	78	1.308	0.132	0.343	0.057	4	67
156	151.50	156	1.295	0.114	0.332	0.052	7	134
155	150.50	157	1.278	0.092	0.317	0.045	6	135
154	149.50	158	1.261	0.070	0.303	0.038	5	136
153	148.50	107	1.245	0.051	0.289	0.032	3	92
152	147.50	107	1.228	0.033	0.276	0.026	2	92
151	146.50	108	1.211	0.016	0.263	0.020	2	93
150	145.50	108	1.195	0.000	0.251	0.014	1	93
149	144.50	124	1.178	-0.015	0.239	0.008	1	106
148	143.50	124	1.162	-0.028	0.228	0.003	0	107
147	142.50	125	1.146	-0.040	0.217	-0.002	0	107
146	141.50	125	1.130	-0.051	0.206	-0.007	-1	107
145	140.50	125	1.114	-0.062	0.196	-0.012	-1	108
144	139.50	126	1.098	-0.071	0.186	-0.016	-2	108
143	138.50	126	1.083	-0.079	0.176	-0.021	-2	109
142	137.50	127	1.067	-0.087	0.167	-0.025	-3	109
141	136.50	127	1.052	-0.093	0.158	-0.029	-3	109
140	135.50	128	1.036	-0.099	0.150	-0.032	-4	110
139	134.50	128	1.021	-0.104	0.142	-0.036	-4	110
138	133.50	129	1.006	-0.108	0.134	-0.039	-4	111
137	132.50	129	0.991	-0.112	0.127	-0.042	-5	111
136	131.50	130	0.976	-0.115	0.120	-0.045	-5	111
135	130.50	130	0.961	-0.117	0.113	-0.048	-5	112
134	129.50	131	0.946	-0.119	0.106	-0.050	-6	112
133	128.50	131	0.932	-0.121	0.100	-0.052	-6	113
132	127.50	132	0.917	-0.121	0.094	-0.054	-6	113
131	126.50	132	0.903	-0.122	0.089	-0.056	-6	113
130	125.50	146	0.889	-0.122	0.083	-0.057	-7	125
129	124.50	146	0.875	-0.121	0.078	-0.059	-7	126
128	123.50	147	0.861	-0.120	0.073	-0.060	-8	126
127	122.50	147	0.847	-0.119	0.068	-0.060	-8	127
126	121.50	148	0.833	-0.117	0.064	-0.061	-8	127
125	120.50	249	0.819	-0.115	0.060	-0.061	-13	214
124	119.50	250	0.806	-0.113	0.056	-0.062	-13	215
123	118.50	251	0.792	-0.110	0.052	-0.061	-13	216
122	117.50	252	0.779	-0.108	0.048	-0.061	-13	217
121	116.75	127	0.769	-0.106	0.045	-0.061	-7	109
120	116.25	85	0.763	-0.104	0.044	-0.060	-4	73
119	115.50	171	0.753	-0.102	0.041	-0.060	-9	147
118	114.50	171	0.740	-0.098	0.038	-0.059	-9	147
117	113.50	172	0.727	-0.095	0.035	-0.058	-9	148
116	112.50	173	0.714	-0.091	0.033	-0.056	-8	148
115	111.50	173	0.702	-0.087	0.030	-0.055	-8	149
114	110.50	174	0.689	-0.084	0.028	-0.053	-8	149
113	109.50	174	0.677	-0.080	0.026	-0.051	-8	150
112	108.50	175	0.664	-0.075	0.023	-0.049	-7	150
111	107.50	176	0.652	-0.071	0.022	-0.046	-7	151
110	106.50	176	0.640	-0.067	0.020	-0.044	-7	151
109	105.50	177	0.628	-0.063	0.018	-0.041	-6	152

Site Number: 302535

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Customer: T- Mobile

108	104.50	244	0.616	-0.059	0.016	-0.038	-8	210
107	103.50	245	0.605	-0.055	0.015	-0.035	-7	210
106	102.50	245	0.593	-0.050	0.014	-0.031	-7	211
105	101.50	246	0.581	-0.046	0.013	-0.028	-6	211
104	100.50	246	0.570	-0.042	0.012	-0.025	-5	212
103	99.50	247	0.559	-0.038	0.011	-0.021	-4	212
102	98.50	248	0.548	-0.034	0.010	-0.017	-4	213
101	97.50	248	0.536	-0.030	0.009	-0.014	-3	213
100	96.50	249	0.526	-0.025	0.008	-0.010	-2	214
99	95.50	249	0.515	-0.022	0.008	-0.006	-1	214
98	94.50	250	0.504	-0.018	0.007	-0.002	-1	215
97	93.50	251	0.493	-0.014	0.007	0.001	0	215
96	92.50	388	0.483	-0.010	0.006	0.005	2	333
95	91.50	389	0.472	-0.006	0.006	0.009	3	335
94	90.50	391	0.462	-0.003	0.006	0.012	4	336
93	89.50	392	0.452	0.001	0.006	0.016	5	337
92	88.50	393	0.442	0.004	0.006	0.019	6	338
91	87.50	275	0.432	0.008	0.006	0.022	5	236
90	86.50	276	0.422	0.011	0.006	0.025	6	237
89	85.50	277	0.413	0.014	0.006	0.028	7	238
88	84.50	277	0.403	0.017	0.006	0.031	8	238
87	83.50	278	0.393	0.020	0.007	0.034	8	239
86	82.50	279	0.384	0.023	0.007	0.036	9	240
85	81.50	279	0.375	0.026	0.007	0.039	9	240
84	80.50	280	0.366	0.028	0.008	0.041	10	241
83	79.50	281	0.357	0.031	0.008	0.043	11	241
82	78.50	282	0.348	0.033	0.009	0.045	11	242
81	77.50	282	0.339	0.036	0.009	0.047	12	243
80	76.50	283	0.330	0.038	0.010	0.049	12	243
79	75.50	284	0.322	0.040	0.011	0.050	12	244
78	74.50	284	0.313	0.042	0.011	0.052	13	244
77	73.50	285	0.305	0.044	0.012	0.053	13	245
76	72.50	286	0.297	0.046	0.013	0.054	13	246
75	71.50	287	0.289	0.048	0.013	0.055	14	246
74	70.50	287	0.281	0.049	0.014	0.056	14	247
73	69.50	288	0.273	0.051	0.015	0.057	14	247
72	68.50	289	0.265	0.053	0.016	0.058	14	248
71	67.50	289	0.257	0.054	0.016	0.058	15	249
70	66.50	290	0.250	0.055	0.017	0.059	15	249
69	65.50	291	0.242	0.057	0.018	0.059	15	250
68	64.50	291	0.235	0.058	0.019	0.060	15	250
67	63.75	146	0.229	0.059	0.019	0.060	8	125
66	63.25	249	0.226	0.059	0.020	0.060	13	214
65	62.50	499	0.220	0.060	0.021	0.060	26	429
64	61.50	501	0.213	0.061	0.021	0.060	26	430
63	60.50	502	0.207	0.062	0.022	0.061	26	432
62	59.50	504	0.200	0.063	0.023	0.061	26	433
61	58.50	506	0.193	0.064	0.024	0.061	27	435
60	57.50	346	0.187	0.064	0.025	0.061	18	297
59	56.50	347	0.180	0.065	0.026	0.061	18	298
58	55.50	348	0.174	0.066	0.027	0.061	18	299
57	54.50	348	0.168	0.066	0.028	0.060	18	299
56	53.50	349	0.162	0.067	0.028	0.060	18	300
55	52.50	350	0.156	0.067	0.029	0.060	18	301
54	51.50	351	0.150	0.068	0.030	0.060	18	302
53	50.50	352	0.144	0.068	0.031	0.060	18	303
52	49.50	353	0.138	0.069	0.032	0.060	18	303
51	48.50	354	0.133	0.069	0.033	0.059	18	304
50	47.50	355	0.127	0.070	0.033	0.059	18	305
49	46.50	356	0.122	0.070	0.034	0.059	18	306
48	45.50	357	0.117	0.070	0.035	0.059	18	307
47	44.50	358	0.112	0.070	0.036	0.059	18	308
46	43.50	359	0.107	0.071	0.036	0.058	18	308
45	42.50	360	0.102	0.071	0.037	0.058	18	309

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Customer: T- Mobile

44	41.50	361	0.097	0.071	0.038	0.058	18	310
43	40.50	362	0.093	0.071	0.038	0.058	18	311
42	39.50	363	0.088	0.071	0.039	0.057	18	312
41	38.50	364	0.084	0.072	0.039	0.057	18	312
40	37.50	365	0.079	0.072	0.040	0.057	18	313
39	36.50	365	0.075	0.072	0.040	0.057	18	314
38	35.50	366	0.071	0.072	0.040	0.057	18	315
37	34.50	595	0.067	0.072	0.041	0.056	29	511
36	33.50	597	0.063	0.072	0.041	0.056	29	513
35	32.50	598	0.060	0.072	0.041	0.056	29	514
34	31.50	600	0.056	0.071	0.042	0.056	29	516
33	30.50	602	0.053	0.071	0.042	0.055	29	517
32	29.50	604	0.049	0.071	0.042	0.055	29	519
31	28.75	303	0.047	0.071	0.042	0.055	14	260
30	28.25	184	0.045	0.071	0.042	0.055	9	158
29	27.50	369	0.043	0.070	0.042	0.054	17	317
28	26.50	370	0.040	0.070	0.042	0.054	17	318
27	25.50	370	0.037	0.070	0.041	0.054	17	318
26	24.50	371	0.034	0.069	0.041	0.053	17	319
25	23.50	372	0.031	0.068	0.041	0.053	17	320
24	22.75	187	0.029	0.068	0.040	0.053	9	160
23	22.25	187	0.028	0.068	0.040	0.052	8	160
22	21.50	374	0.026	0.067	0.040	0.052	17	322
21	20.50	375	0.024	0.066	0.039	0.052	17	322
20	19.50	376	0.021	0.065	0.038	0.051	17	323
19	18.50	377	0.019	0.064	0.038	0.050	16	324
18	17.50	378	0.017	0.062	0.037	0.049	16	325
17	16.50	379	0.015	0.061	0.036	0.049	16	326
16	15.50	380	0.014	0.059	0.035	0.048	16	326
15	14.50	381	0.012	0.057	0.033	0.047	15	327
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6	5.50	389	0.002	0.030	0.016	0.028	10	335
5	4.50	322	0.001	0.025	0.014	0.025	7	277
4	3.50	323	0.001	0.021	0.011	0.021	6	278
3	2.50	324	0.000	0.015	0.008	0.016	4	279
2	1.50	325	0.000	0.009	0.005	0.010	3	279
1	0.50	326	0.000	0.003	0.002	0.004	1	280
DragonWave Horizon C	183.00	21	1.890	1.980	1.140	0.384	7	18
NextNet BTS-2500	183.00	105	1.890	1.980	1.140	0.384	35	90
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RFS APXV18-206517S-C	175.00	79	1.728	1.233	0.859	0.278	19	68
LGP Allgon LGP21903	167.00	33	1.574	0.700	0.635	0.187	5	28
Powerwave Allgon LGP	167.00	85	1.574	0.700	0.635	0.187	14	73
Raycap DC6-48-60-18-	167.00	32	1.574	0.700	0.635	0.187	5	27
Ericsson RRUS 11 (Ba	167.00	264	1.574	0.700	0.635	0.187	43	227
KMW AM-X-CD-14-65-00	167.00	73	1.574	0.700	0.635	0.187	12	63
Powerwave Allgon 777	167.00	210	1.574	0.700	0.635	0.187	34	180
Kathrein 800 10764	167.00	41	1.574	0.700	0.635	0.187	7	35
Flat Platform w/ Han	167.00	2,000	1.574	0.700	0.635	0.187	324	1,719
Kathrein Scala Smart	145.00	10	1.187	-0.008	0.245	0.011	0	9
Andrew ETW200VS12UB	145.00	33	1.187	-0.008	0.245	0.011	0	28
Andrew ETW190VS12UB	145.00	33	1.187	-0.008	0.245	0.011	0	28
Andrew SBNHH-1D65A	145.00	123	1.187	-0.008	0.245	0.011	1	105

Site Number: 302535

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Customer: T-Mobile

Flat Light Sector Fr	145.00	1,200	1.187	-0.008	0.245	0.011	12	1,031
RFS FD9R6004/1C-3L	126.00	19	0.896	-0.122	0.086	-0.057	-1	16
Alcatel-Lucent RRH2X	126.00	138	0.896	-0.122	0.086	-0.057	-7	119
Alcatel-Lucent RRH2X	126.00	132	0.896	-0.122	0.086	-0.057	-6	113
Alcatel-Lucent RRH2x	126.00	132	0.896	-0.122	0.086	-0.057	-6	113
RFS DB-T1-6Z-8AB-0Z	126.00	44	0.896	-0.122	0.086	-0.057	-2	38
RFS DB-T1-6Z-8AB-0Z	126.00	44	0.896	-0.122	0.086	-0.057	-2	38
Andrew HBXX-6516DS-A	126.00	92	0.896	-0.122	0.086	-0.057	-4	79
Andrew LNX-4514DS-A1	126.00	89	0.896	-0.122	0.086	-0.057	-4	76
Antel BXA-80063/6CF	126.00	45	0.896	-0.122	0.086	-0.057	-2	38
Andrew HBXX-6517DS-A	126.00	129	0.896	-0.122	0.086	-0.057	-6	111
Flat Platform w/ Han	126.00	2,000	0.896	-0.122	0.086	-0.057	-98	1,719
Thales PCS VP/360/2	50.00	1	0.141	0.069	0.031	0.060	0	1
Stand-Off	50.00	75	0.141	0.069	0.031	0.060	4	64
		56,442	161.291	46.521	46.016	13.101	2,698	48,498

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)
188	182.50	65	1.880	1.926	1.121	0.377	21	56
187	181.50	66	1.859	1.821	1.082	0.363	21	56
186	180.50	66	1.839	1.720	1.045	0.349	20	57
185	179.50	66	1.818	1.623	1.009	0.335	19	57
184	178.50	67	1.798	1.530	0.974	0.322	19	57
183	177.50	67	1.778	1.441	0.940	0.309	18	58
182	176.50	67	1.758	1.355	0.907	0.296	17	58
181	175.50	68	1.738	1.273	0.875	0.284	17	58
180	174.50	73	1.719	1.194	0.843	0.272	17	63
179	173.50	73	1.699	1.118	0.813	0.259	16	63
178	172.50	74	1.679	1.045	0.783	0.248	16	63
177	171.50	74	1.660	0.976	0.755	0.236	15	64
176	170.50	74	1.641	0.910	0.727	0.225	14	64
175	169.50	75	1.621	0.846	0.700	0.214	14	64
174	168.50	75	1.602	0.786	0.673	0.203	13	65
173	167.50	75	1.583	0.728	0.648	0.192	13	65
172	166.50	84	1.565	0.673	0.623	0.182	13	72
171	165.50	85	1.546	0.620	0.599	0.171	13	73
170	164.50	85	1.527	0.570	0.576	0.161	12	73
169	163.50	85	1.509	0.523	0.553	0.152	11	73
168	162.50	86	1.490	0.477	0.531	0.142	11	74
167	161.50	86	1.472	0.434	0.510	0.133	10	74
166	160.50	86	1.454	0.394	0.490	0.124	9	74
165	159.50	87	1.436	0.355	0.470	0.115	9	75
164	158.50	87	1.418	0.318	0.450	0.106	8	75
163	157.50	88	1.400	0.284	0.432	0.098	7	75
162	156.50	88	1.382	0.251	0.414	0.090	7	76
161	155.50	88	1.365	0.220	0.396	0.082	6	76
160	154.50	89	1.347	0.191	0.379	0.074	6	76
159	153.50	89	1.330	0.164	0.363	0.066	5	76
158	152.75	45	1.317	0.144	0.351	0.061	2	38
157	152.25	78	1.308	0.132	0.343	0.057	4	67
156	151.50	156	1.295	0.114	0.332	0.052	7	134
155	150.50	157	1.278	0.092	0.317	0.045	6	135
154	149.50	158	1.261	0.070	0.303	0.038	5	136
153	148.50	107	1.245	0.051	0.289	0.032	3	92
152	147.50	107	1.228	0.033	0.276	0.026	2	92
151	146.50	108	1.211	0.016	0.263	0.020	2	93
150	145.50	108	1.195	0.000	0.251	0.014	1	93
149	144.50	124	1.178	-0.015	0.239	0.008	1	106

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148	143.50	124	1.162	-0.028	0.228	0.003	0	107
147	142.50	125	1.146	-0.040	0.217	-0.002	0	107
146	141.50	125	1.130	-0.051	0.206	-0.007	-1	107
145	140.50	125	1.114	-0.062	0.196	-0.012	-1	108
144	139.50	126	1.098	-0.071	0.186	-0.016	-2	108
143	138.50	126	1.083	-0.079	0.176	-0.021	-2	109
142	137.50	127	1.067	-0.087	0.167	-0.025	-3	109
141	136.50	127	1.052	-0.093	0.158	-0.029	-3	109
140	135.50	128	1.036	-0.099	0.150	-0.032	-4	110
139	134.50	128	1.021	-0.104	0.142	-0.036	-4	110
138	133.50	129	1.006	-0.108	0.134	-0.039	-4	111
137	132.50	129	0.991	-0.112	0.127	-0.042	-5	111
136	131.50	130	0.976	-0.115	0.120	-0.045	-5	111
135	130.50	130	0.961	-0.117	0.113	-0.048	-5	112
134	129.50	131	0.946	-0.119	0.106	-0.050	-6	112
133	128.50	131	0.932	-0.121	0.100	-0.052	-6	113
132	127.50	132	0.917	-0.121	0.094	-0.054	-6	113
131	126.50	132	0.903	-0.122	0.089	-0.056	-6	113
130	125.50	146	0.889	-0.122	0.083	-0.057	-7	125
129	124.50	146	0.875	-0.121	0.078	-0.059	-7	126
128	123.50	147	0.861	-0.120	0.073	-0.060	-8	126
127	122.50	147	0.847	-0.119	0.068	-0.060	-8	127
126	121.50	148	0.833	-0.117	0.064	-0.061	-8	127
125	120.50	249	0.819	-0.115	0.060	-0.061	-13	214
124	119.50	250	0.806	-0.113	0.056	-0.062	-13	215
123	118.50	251	0.792	-0.110	0.052	-0.061	-13	216
122	117.50	252	0.779	-0.108	0.048	-0.061	-13	217
121	116.75	127	0.769	-0.106	0.045	-0.061	-7	109
120	116.25	85	0.763	-0.104	0.044	-0.060	-4	73
119	115.50	171	0.753	-0.102	0.041	-0.060	-9	147
118	114.50	171	0.740	-0.098	0.038	-0.059	-9	147
117	113.50	172	0.727	-0.095	0.035	-0.058	-9	148
116	112.50	173	0.714	-0.091	0.033	-0.056	-8	148
115	111.50	173	0.702	-0.087	0.030	-0.055	-8	149
114	110.50	174	0.689	-0.084	0.028	-0.053	-8	149
113	109.50	174	0.677	-0.080	0.026	-0.051	-8	150
112	108.50	175	0.664	-0.075	0.023	-0.049	-7	150
111	107.50	176	0.652	-0.071	0.022	-0.046	-7	151
110	106.50	176	0.640	-0.067	0.020	-0.044	-7	151
109	105.50	177	0.628	-0.063	0.018	-0.041	-6	152
108	104.50	244	0.616	-0.059	0.016	-0.038	-8	210
107	103.50	245	0.605	-0.055	0.015	-0.035	-7	210
106	102.50	245	0.593	-0.050	0.014	-0.031	-7	211
105	101.50	246	0.581	-0.046	0.013	-0.028	-6	211
104	100.50	246	0.570	-0.042	0.012	-0.025	-5	212
103	99.50	247	0.559	-0.038	0.011	-0.021	-4	212
102	98.50	248	0.548	-0.034	0.010	-0.017	-4	213
101	97.50	248	0.536	-0.030	0.009	-0.014	-3	213
100	96.50	249	0.526	-0.025	0.008	-0.010	-2	214
99	95.50	249	0.515	-0.022	0.008	-0.006	-1	214
98	94.50	250	0.504	-0.018	0.007	-0.002	-1	215
97	93.50	251	0.493	-0.014	0.007	0.001	0	215
96	92.50	388	0.483	-0.010	0.006	0.005	2	333
95	91.50	389	0.472	-0.006	0.006	0.009	3	335
94	90.50	391	0.462	-0.003	0.006	0.012	4	336
93	89.50	392	0.452	0.001	0.006	0.016	5	337
92	88.50	393	0.442	0.004	0.006	0.019	6	338
91	87.50	275	0.432	0.008	0.006	0.022	5	236
90	86.50	276	0.422	0.011	0.006	0.025	6	237
89	85.50	277	0.413	0.014	0.006	0.028	7	238
88	84.50	277	0.403	0.017	0.006	0.031	8	238
87	83.50	278	0.393	0.020	0.007	0.034	8	239
86	82.50	279	0.384	0.023	0.007	0.036	9	240
85	81.50	279	0.375	0.026	0.007	0.039	9	240

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Customer: T- Mobile

84	80.50	280	0.366	0.028	0.008	0.041	10	241
83	79.50	281	0.357	0.031	0.008	0.043	11	241
82	78.50	282	0.348	0.033	0.009	0.045	11	242
81	77.50	282	0.339	0.036	0.009	0.047	12	243
80	76.50	283	0.330	0.038	0.010	0.049	12	243
79	75.50	284	0.322	0.040	0.011	0.050	12	244
78	74.50	284	0.313	0.042	0.011	0.052	13	244
77	73.50	285	0.305	0.044	0.012	0.053	13	245
76	72.50	286	0.297	0.046	0.013	0.054	13	246
75	71.50	287	0.289	0.048	0.013	0.055	14	246
74	70.50	287	0.281	0.049	0.014	0.056	14	247
73	69.50	288	0.273	0.051	0.015	0.057	14	247
72	68.50	289	0.265	0.053	0.016	0.058	14	248
71	67.50	289	0.257	0.054	0.016	0.058	15	249
70	66.50	290	0.250	0.055	0.017	0.059	15	249
69	65.50	291	0.242	0.057	0.018	0.059	15	250
68	64.50	291	0.235	0.058	0.019	0.060	15	250
67	63.75	146	0.229	0.059	0.019	0.060	8	125
66	63.25	249	0.226	0.059	0.020	0.060	13	214
65	62.50	499	0.220	0.060	0.021	0.060	26	429
64	61.50	501	0.213	0.061	0.021	0.060	26	430
63	60.50	502	0.207	0.062	0.022	0.061	26	432
62	59.50	504	0.200	0.063	0.023	0.061	26	433
61	58.50	506	0.193	0.064	0.024	0.061	27	435
60	57.50	346	0.187	0.064	0.025	0.061	18	297
59	56.50	347	0.180	0.065	0.026	0.061	18	298
58	55.50	348	0.174	0.066	0.027	0.061	18	299
57	54.50	348	0.168	0.066	0.028	0.060	18	299
56	53.50	349	0.162	0.067	0.028	0.060	18	300
55	52.50	350	0.156	0.067	0.029	0.060	18	301
54	51.50	351	0.150	0.068	0.030	0.060	18	302
53	50.50	352	0.144	0.068	0.031	0.060	18	303
52	49.50	353	0.138	0.069	0.032	0.060	18	303
51	48.50	354	0.133	0.069	0.033	0.059	18	304
50	47.50	355	0.127	0.070	0.033	0.059	18	305
49	46.50	356	0.122	0.070	0.034	0.059	18	306
48	45.50	357	0.117	0.070	0.035	0.059	18	307
47	44.50	358	0.112	0.070	0.036	0.059	18	308
46	43.50	359	0.107	0.071	0.036	0.058	18	308
45	42.50	360	0.102	0.071	0.037	0.058	18	309
44	41.50	361	0.097	0.071	0.038	0.058	18	310
43	40.50	362	0.093	0.071	0.038	0.058	18	311
42	39.50	363	0.088	0.071	0.039	0.057	18	312
41	38.50	364	0.084	0.072	0.039	0.057	18	312
40	37.50	365	0.079	0.072	0.040	0.057	18	313
39	36.50	365	0.075	0.072	0.040	0.057	18	314
38	35.50	366	0.071	0.072	0.040	0.057	18	315
37	34.50	595	0.067	0.072	0.041	0.056	29	511
36	33.50	597	0.063	0.072	0.041	0.056	29	513
35	32.50	598	0.060	0.072	0.041	0.056	29	514
34	31.50	600	0.056	0.071	0.042	0.056	29	516
33	30.50	602	0.053	0.071	0.042	0.055	29	517
32	29.50	604	0.049	0.071	0.042	0.055	29	519
31	28.75	303	0.047	0.071	0.042	0.055	14	260
30	28.25	184	0.045	0.071	0.042	0.055	9	158
29	27.50	369	0.043	0.070	0.042	0.054	17	317
28	26.50	370	0.040	0.070	0.042	0.054	17	318
27	25.50	370	0.037	0.070	0.041	0.054	17	318
26	24.50	371	0.034	0.069	0.041	0.053	17	319
25	23.50	372	0.031	0.068	0.041	0.053	17	320
24	22.75	187	0.029	0.068	0.040	0.053	9	160
23	22.25	187	0.028	0.068	0.040	0.052	8	160
22	21.50	374	0.026	0.067	0.040	0.052	17	322
21	20.50	375	0.024	0.066	0.039	0.052	17	322

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Customer: T- Mobile

20	19.50	376	0.021	0.065	0.038	0.051	17	323
19	18.50	377	0.019	0.064	0.038	0.050	16	324
18	17.50	378	0.017	0.062	0.037	0.049	16	325
17	16.50	379	0.015	0.061	0.036	0.049	16	326
16	15.50	380	0.014	0.059	0.035	0.048	16	326
15	14.50	381	0.012	0.057	0.033	0.047	15	327
14	13.50	382	0.010	0.055	0.032	0.045	15	328
13	12.50	383	0.009	0.053	0.031	0.044	15	329
12	11.50	384	0.007	0.051	0.029	0.042	14	330
11	10.50	385	0.006	0.048	0.027	0.041	14	331
10	9.50	386	0.005	0.045	0.025	0.039	13	331
9	8.50	387	0.004	0.042	0.023	0.037	12	332
8	7.50	387	0.003	0.038	0.021	0.034	11	333
7	6.50	388	0.002	0.034	0.019	0.031	11	334
6	5.50	389	0.002	0.030	0.016	0.028	10	335
5	4.50	322	0.001	0.025	0.014	0.025	7	277
4	3.50	323	0.001	0.021	0.011	0.021	6	278
3	2.50	324	0.000	0.015	0.008	0.016	4	279
2	1.50	325	0.000	0.009	0.005	0.010	3	279
1	0.50	326	0.000	0.003	0.002	0.004	1	280
DragonWave Horizon C	183.00	21	1.890	1.980	1.140	0.384	7	18
NextNet BTS-2500	183.00	105	1.890	1.980	1.140	0.384	35	90
Decibel DB844H90E-XY	183.00	84	1.890	1.980	1.140	0.384	28	72
Argus LLPX310R	183.00	86	1.890	1.980	1.140	0.384	29	74
DragonWave A-ANT-18G	183.00	54	1.890	1.980	1.140	0.384	18	47
Andrew 844G65VTZASX	183.00	48	1.890	1.980	1.140	0.384	16	41
Flat Platform w/ Han	183.00	2,000	1.890	1.980	1.140	0.384	665	1,719
RFS APXV18-206517S-C	175.00	79	1.728	1.233	0.859	0.278	19	68
LGP Allgon LGP21903	167.00	33	1.574	0.700	0.635	0.187	5	28
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Raycap DC6-48-60-18-	167.00	32	1.574	0.700	0.635	0.187	5	27
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Andrew ETW190VS12UB	145.00	33	1.187	-0.008	0.245	0.011	0	28
Andrew SBNHH-1D65A	145.00	123	1.187	-0.008	0.245	0.011	1	105
Flat Light Sector Fr	145.00	1,200	1.187	-0.008	0.245	0.011	12	1,031
RFS FD9R6004/1C-3L	126.00	19	0.896	-0.122	0.086	-0.057	-1	16
Alcatel-Lucent RRH2X	126.00	138	0.896	-0.122	0.086	-0.057	-7	119
Alcatel-Lucent RRH2X	126.00	132	0.896	-0.122	0.086	-0.057	-6	113
Alcatel-Lucent RRH2x	126.00	132	0.896	-0.122	0.086	-0.057	-6	113
RFS DB-T1-6Z-8AB-OZ	126.00	44	0.896	-0.122	0.086	-0.057	-2	38
RFS DB-T1-6Z-8AB-OZ	126.00	44	0.896	-0.122	0.086	-0.057	-2	38
Andrew HBXX-6516DS-A	126.00	92	0.896	-0.122	0.086	-0.057	-4	79
Andrew LNX-4514DS-A1	126.00	89	0.896	-0.122	0.086	-0.057	-4	76
Antel BXA-80063/6CF	126.00	45	0.896	-0.122	0.086	-0.057	-2	38
Andrew HBXX-6517DS-A	126.00	129	0.896	-0.122	0.086	-0.057	-6	111
Flat Platform w/ Han	126.00	2,000	0.896	-0.122	0.086	-0.057	-98	1,719
Thales PCS VP/360/2	50.00	1	0.141	0.069	0.031	0.060	0	1
Stand-Off	50.00	75	0.141	0.069	0.031	0.060	4	64
		56,442	161.291	46.521	46.016	13.101	2,698	48,498

Site Number: 302535

Code: ANSI/TIA-222-G

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Site Name: Milford CT 2, CT

Engineering Number: 64042523

11/12/2015 3:08:18 PM

Customer: T- Mobile

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	46.00	0.00	67.71	0.00	0.00	5630.48	0.00	0.99
0.9D + 1.6W	44.25	0.00	50.78	0.00	0.00	5413.68	0.00	0.95
1.2D + 1.0Di + 1.0Wi	8.59	0.00	107.92	0.00	0.00	1109.00	121.00	0.22
(1.2 + 0.2Sds) * DL + E ELFM	2.20	0.00	69.63	0.00	0.00	318.35	121.00	0.08
(1.2 + 0.2Sds) * DL + E EMAM	2.70	0.00	69.63	0.00	0.00	329.47	121.00	0.11
(0.9 - 0.2Sds) * DL + E ELFM	2.20	0.00	48.22	0.00	0.00	311.74	121.00	0.07
(0.9 - 0.2Sds) * DL + E EMAM	2.69	0.00	48.22	0.00	0.00	322.05	121.00	0.11
1.0D + 1.0W	8.23	0.00	56.44	0.00	0.00	1014.31	0.00	0.19

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	22.5	(4) SOL-#20 All Thre	238.3	4.8	16.8	0.0	12.0	0	0	0.0	12.0	0	0	312.1	343.1	0.910
22.5	43.0	(4) SOL-#20 All Thre	257.2	4.6	16.8	0.0	12.0	0	0	0.0	12.0	0	0	297.5	345.0	0.862
43.0	105.	(4) SOL-#20 All Thre	370.2	11.1	16.8	198.5	12.0	17	14	0.0	12.0	0	0	277.0	330.5	0.838

Base/Flange Plate	Plate Type	Baseplate
	Pole Diameter	48.62 in
	Pole Thickness	0.5 in
	Plate Length	56 in
	Plate Thickness	2.75 in
	Plate Fy	50 ksi
	Weld Length	0.3125 in
	ϕ_s Resistance	2526.82 k-in
	Applied	1511.48 k-in
Stiffeners	#	0

Code Rev. **G**

Date 11/12/2015
 Engineer RDB
 Site # 302535
 Carrier T-Mobile

Moment 5630.5 k-ft
 Axial 67.7 k

Bolts	#	16
	Bolt Circle	56 in
	(R)adial / (S)quare	S
	Bolt Gap	6 in
	Diameter	2.25 in
	Hole Diameter	2.5 in
	Type	A615-75
	Fy	75 ksi
	Fu	100 ksi
	ϕ_s Resistance	259.82 k
Applied	177.61 k	
Reinforcement	#	0
Extra Bolts O	#	8
	Bolt Circle	55.5 in
	(R)adial / (S)quare	S
	Bolt Gap	0 in
	Offset Angle	45°
	Diameter	2.72 in
	Type	DYWIDAG
	Fy	80 ksi
Fu	100 ksi	
ϕ_s Resistance	385.33 k	
Applied	189.70 k	

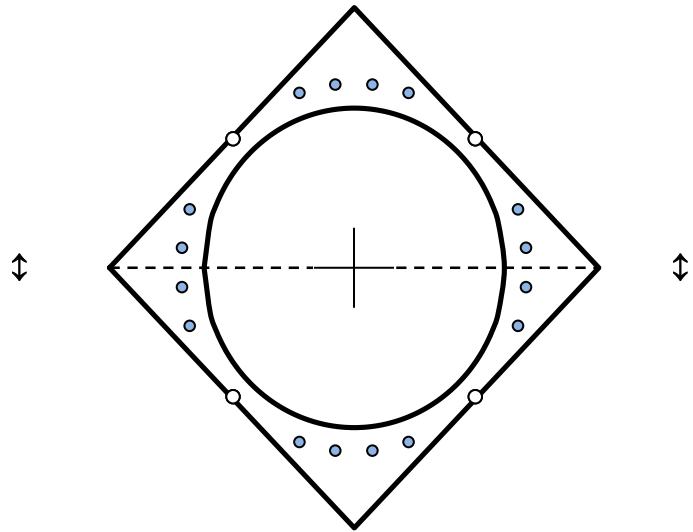


Plate Stress Ratio:
0.60 (Pass)

Bolt Stress Ratio:
0.68 (Pass)

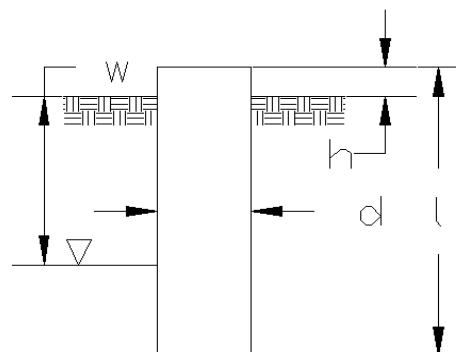
Extra Bolt Stress Ratio:
0.49 (Pass)

Site Name: Milford CT 2, CT
 Site Number: 302535
 Engineer: R. Barrett
 Engineering Number: 64042523
 Date: 11/12/15

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): 5630.5 k-ft
 Shear/Leg (V): 46.0 k
 Axial Load (P): 67.7 k
 Uplift/Leg (U): 0.0 k
 Tower Type (GT / SST / MP): MP



Diameter of Caisson (d): 6.0 ft
 Caisson Embedment (L-h): 20.0 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: 30.0 degrees

Engineer Notes

Soil Mechanical Properties

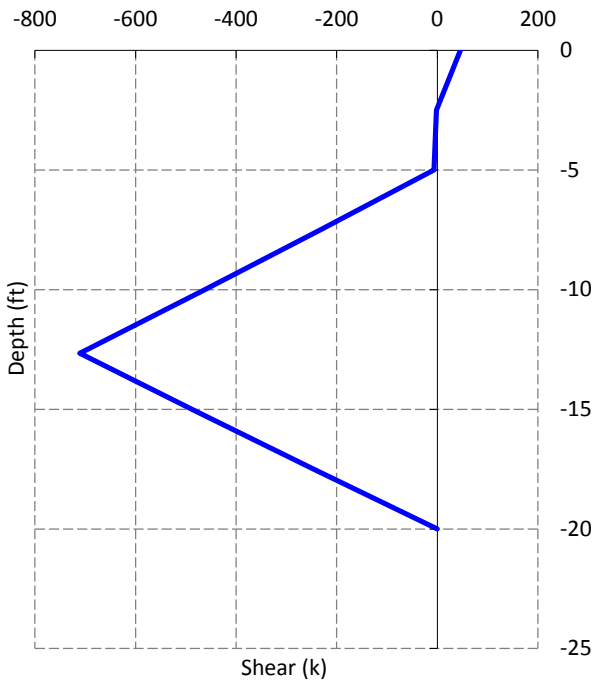
Depth (ft)		γ_{Soil}	Cohesion	ϕ	Ultimate Skin	Ultimate Bearing
Top	Bottom	(pcf)	(psf)	(degree)	Friction (psf)	Pressure (psf)
0.0	3.0	100	0	0	0	0
3.0	15.0	125	6250	0	3125	36827
15.0	21.0	125	6250	0	3125	37921

Volume of Concrete: 579.6 ft³ = 21.5 yd³
 Weight of Concrete (Buoyancy Effect Considered): 86.9 k
 Average Soil Unit Weight: 121.3 pcf
 Skin Friction Resistance: 1001.4 k
 Compressive Bearing Resistance: 1072.2 k
 Pullout Weight (Minus Concrete Weight): 602.5 k
 Nominal Uplift Capacity per Leg ($\phi_s T_n$): 451.9 k
 Nominal Compressive Capacity per Leg ($\phi_s P_n$): 1555.2 k
 P_u : 87.2 k
 $T_u / \phi_s T_n$: 0.00 Result: OK
 $P_u / \phi_s P_n$: 0.06 Result: OK
 Total Lateral Resistance: 4190.2 k
 Inflection Point (Below Ground Surface): 12.7 ft
 Design Overturning Moment At Inflection Point (M_D): 6235.8 k-ft
 Nominal Moment Capacity ($\phi_s M_n$): 11861.2 k-ft
 $M_D / \phi_s M_n$: 0.53 Result: OK
 ϕ_s : 0.75

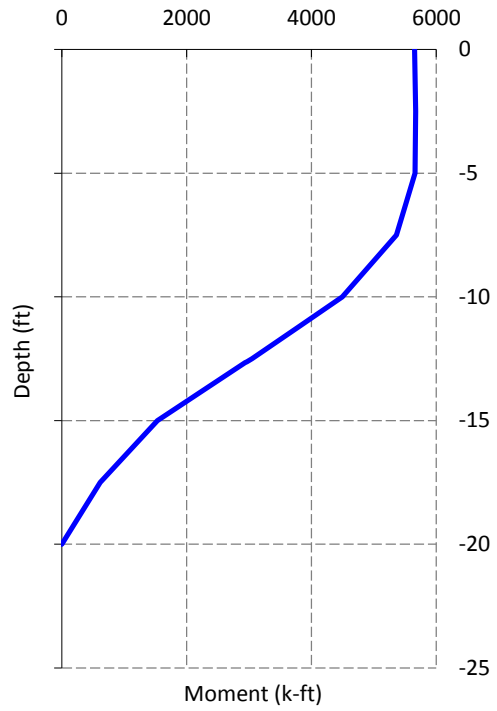
Caisson Strength Capacity

Concrete Compressive Strength (f'_c):	3000 psi
Vertical Steel Rebar Size #:	11
Vertical Steel Rebar Area:	1.56 in ²
# of Vertical Steel Rebars:	33
Vertical Steel Rebar Yield Strength (F_y):	60 ksi
Horizontal Tie / Stirrup Size #:	4
Horizontal Tie / Stirrup Area:	0.20 in ²
Design Horizontal Tie / Stirrup Spacing:	12.0 in
Horizontal Tie / Stirrup Steel Yield Strength (F_y):	60 ksi
Rebar Cage Diameter:	64.0 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):	5671.0 k-ft
Nominal Moment Capacity ($\phi_B M_n$):	6808.9 k-ft - ACI318-005 - 10.2
$M_u / \phi_B M_n$:	0.83 Result: OK
Design Shear (V_u):	710.8 k
Nominal Shear Capacity ($\phi_V V_n$):	423.7 k - ACI318-05 - 11.3.1.1 or 11.5.7.2
$V_u / \phi_V V_n$:	1.68 Result: OK
Design Tension (T_u):	0.0 k
Nominal Tension Capacity ($\phi_T T_n$):	2779.9 k - ACI318-05 - 10.2
$T_u / \phi_T T_n$:	0.00 Result: OK
Design Compression (P_u):	87.2 k
Nominal Compression Capacity ($\phi_P P_n$):	5330.6 k - ACI318-05 - 10.3.6.2
$P_u / \phi_P P_n$:	0.02 Result: OK
Bending Reinforcement Ratio:	0.013 ACI318-05 - 10.8.4 & 10.9.1
$M_u / \phi_B M_n + T_u / \phi_T T_n$:	0.83 Result: OK

Design Factored Shear / Depth



Design Factored Moment / Depth



Nominal and Factored Moment Capacity and Factored Design Loads

