

7017 3040 0000 7659 4739

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com™.

HADDAM, CT 06438

OFFICIAL USE

Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.50
Total Postage and Fees	\$6.70

Postmark Here
JUN 14 2018 0867 77

Sent To
Glidden CTO3XC161
30 Field Park Dr
Haddam CT 06438

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions.

7017 3040 0000 7659 4722

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com™.

HADDAM, CT 06438

OFFICIAL USE

Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee)	\$2.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.50
Total Postage and Fees	\$8.70

Postmark Here
JUN 14 2018 0867 77

Sent To
John Paul CTO3XC161
10 Presidential Way
Webster MA 01801

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions.

7017 3040 0000 7669 6174

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com™.

HIGGANUM, CT 06441

OFFICIAL USE

Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.50
Total Postage and Fees	\$6.70

Postmark Here
JUN 14 2018 0867 77

Sent To
Joan M Broni Ferstall CTO3XC161
123 Morris Hubbard Rd
Higganum CT 06441

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions.

7017 3040 0000 7669 6167

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com™.

HADDAM, CT 06438

OFFICIAL USE

Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.50
Total Postage and Fees	\$6.70

Postmark Here
JUN 14 2018 0867 77

Sent To
Lizz Milano CTO3XC161
20 Field Park Dr
Haddam CT 06438

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions.



June 14th, 2018

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

RE: Notice of Exempt Modification – Antenna Swap for wireless facility located at 139 Morris Hubbard Rd, HIGGANUM, CONNECTICUT – CT03XC161 (lat. 41° 28' 18.3" N, long. - 21° 33' 17.604" W)

Dear Ms. Bachman:

Sprint Spectrum, LP ("Sprint") currently maintains wireless telecommunications antennas at the (131-foot level) on an existing (150-foot monopole tower) at the above-referenced address. The property is owned by Joann M Baroni Foristall, and the tower are owned by American Tower Corporation.

Sprint's proposed work involves antenna replacement and tower work. Sprint intends to replace six (6) antennas and add twelve (12) RRHs onto the tower. All the proposed work is contained within the existing fenced area. Please refer to the attached drawings for site plans prepared by Infinigy Engineering.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to LIZZ MILARDO, FIRST SELECTMAN, and LIZ GLIDDEN, TOWN PLANNER of the Town of Haddam. A copy of this letter is also being sent to JOANN M BARONI FORISTALL the owner of the property on which the tower is located, and JUSTINE PAUL the manager for AMERICAN TOWER CORPORATION who manages the site.

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

1. The proposed modifications will not result in an increase in the height of the existing tower.
2. The antennas work is a one-for-one replacement of facility components.



3. The proposed modifications will include the addition of ground base equipment as depicted on the attached drawings; however, the proposed equipment will not require an extension of the site boundaries.
4. The proposed modifications will not increase noise levels at the facility by six decibels or more.
5. The additional ground based equipment will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) adopted safety standard.

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

If you have any questions or require any additional information regarding this request, please do not hesitate to give me a call at (518) 350-4222 or email me to aperkowski@airosmithdevelopment.com

Kind Regards,

A handwritten signature in black ink, appearing to read 'Arthur Perkowski', enclosed within a large, hand-drawn oval.

Arthur Perkowski
Airosmith Development Inc.
32 Clinton Street
Saratoga Springs, NY 12866
518-306-1711 desk & fax
518-871-3707 cell
aperkowski@airosmithdevelopment.com

Attachment

CC: LIZZ MILARDO (First Selectman / HADDAM, CT)
LIZ GLIDDEN (Town Planner / HADDAM, CT)
JUSTINE PAUL (Manager / AMERICAN TOWER CORPORATION)
JOANN M BARONI FORISTALL (Land Owner)

139 MORRIS HUBBARD RD

Location 139 MORRIS HUBBARD RD

Mblu 34/ 014/ 3/ /

Acct# M0405600

Owner FORISTALL JOANN M BARONI

Assessment \$179,710

Appraisal \$256,730

PID 664

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$163,640	\$93,090	\$256,730

Assessment			
Valuation Year	Improvements	Land	Total
2016	\$114,550	\$65,160	\$179,710

Owner of Record

Owner FORISTALL JOANN M BARONI
Co-Owner
Address 123 MORRIS HUBBARD RD
HIGGANUM, CT 06441

Sale Price \$0
Certificate
Book & Page 363/0110
Sale Date 07/31/2013
Instrument 25

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
FORISTALL JOANN M BARONI	\$0		363/0110	25	07/31/2013
BARONI HELEN (EST OF)	\$0		363/0109	25	07/31/2013
BARONI HELEN S (EST OF)	\$0		357/ 684	25	12/05/2012
BARONI HELEN S	\$0		347/ 526	25	10/13/2011
BARONI LEONE (EST OF)+ HELEN	\$0		342/ 279	25	12/22/2010

Building Information

Building 1 : Section 1

Year Built: 1967
Living Area: 2,088
Replacement Cost: \$210,717

Building Percent

67

Good:

Replacement Cost

Less Depreciation: \$141,180

Building Attributes

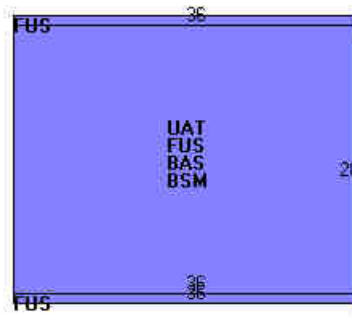
Field	Description
Style	Multi Family
Model	Residential
Grade:	C+
Stories	2
Occupancy	2
Exterior Wall 1	Wood Shingle
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt
Interior Wall 1	Drywall
Interior Wall 2	
Interior Flr 1	Linoleum
Interior Flr 2	Hardwood
Heat Fuel	Electric
Heat Type:	Elec Baseboard
AC Type:	None
Total Bedrooms:	4 Bedrooms
Full Bthrms:	2
Half Baths:	2
Extra Fixtures	
Total Rooms:	8
Bath Style:	Average
Kitchen Style:	Average
Extra Kitchens	
Fireplace(s)	1
Extra Opening(s)	
Gas Fireplace(s)	
Blocked FPL(s)	
Woodstove(s)	
Bsmt Garage(s)	
SF Fin Bsmt	0
FBM Quality	
Whirlpool	
Sauna	
Foundation	Poured Conc

Building Photo



(http://images.vgsi.com/photos2/HaddamCTPhotos//\00\00\11/5

Building Layout



Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
FUS	Finished Upper Story	1,080	1,080
BAS	First Floor	1,008	1,008
BSM	Basement	1,008	0
UAT	Unfinished Attic	1,008	0
		4,104	2,088

Extra Features

Extra Features	<u>Legend</u>
No Data for Extra Features	

Land

Land Use

Use Code 102
Description Two Family
Zone R-2A
Neighborhood 400
Alt Land Appr Category No

Land Line Valuation

Size (Acres) 2
Frontage
Depth
Assessed Value \$65,160
Appraised Value \$93,090

Outbuildings

Outbuildings						<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
FGR1	Garage	FR	Frame	288 S.F.	\$4,320	1
FGR2	Garage w/ Loft	FR	Frame	624 S.F.	\$13,100	1
LNT	Lean To			288 S.F.	\$1,080	1
SHD1	Shed	FR	Frame	440 S.F.	\$3,960	1

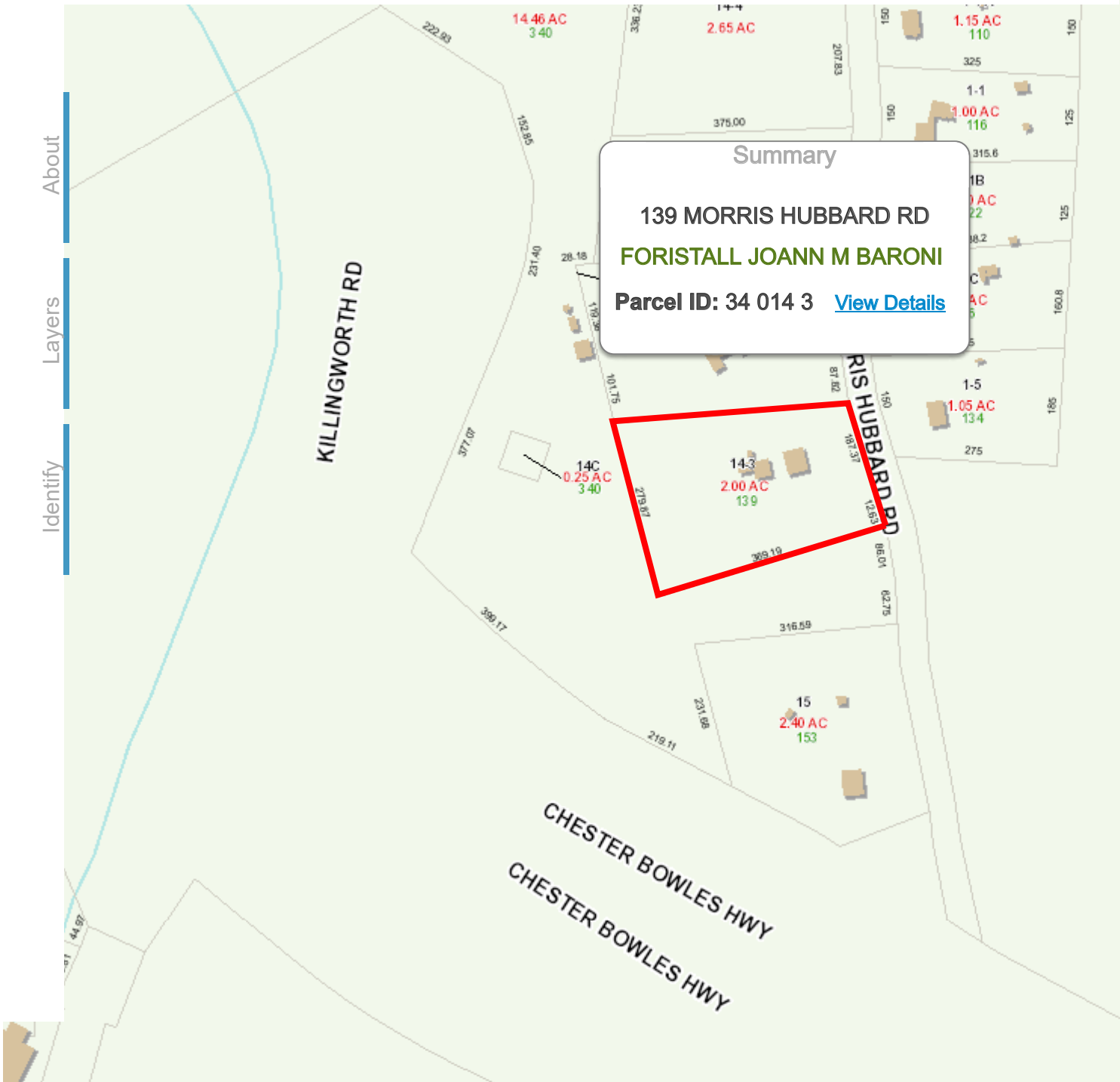
Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2016	\$163,640	\$93,090	\$256,730
2015	\$163,640	\$93,090	\$256,730
2014	\$172,070	\$93,090	\$265,160

Assessment			
Valuation Year	Improvements	Land	Total
2016	\$114,550	\$65,160	\$179,710
2015	\$114,550	\$65,160	\$179,710
2014	\$120,450	\$65,160	\$185,610

139 morris hubbard rd

About
Layers
Identify



Email Map Link

Copy and paste the following string into an email to link to the current map view:



lat:41.4710, long:-72.5511





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

SPRINT Existing Facility

Site ID: CT03XC161

SNET - Higganum
139 Morris Hubbard Road
Higganum, CT 06441

June 8, 2018

EBI Project Number: 6218004304

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	6.34 %



June 8, 2018

SPRINT

Attn: RF Engineering Manager
1 International Boulevard, Suite 800
Mahwah, NJ 07495

Emissions Analysis for Site: **CT03XC161 – SNET - Higganum**

EBI Consulting was directed to analyze the proposed SPRINT facility located at **139 Morris Hubbard Road, Higganum, CT**, for the purpose of determining whether the emissions from the Proposed SPRINT 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 population 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 population 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.

General population 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 limits for the 850 MHz Band is approximately $567 \mu\text{W}/\text{cm}^2$. The general population exposure limit for the 1900 MHz (PCS) and 2500 MHz (BRS) 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 SPRINT Wireless antenna facility located at **139 Morris Hubbard Road, Higganum, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since SPRINT 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) 1 CDMA channels (850 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 20 Watts per Channel.
- 2) 2 LTE channels (850 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 50 Watts per Channel.
- 3) 5 CDMA channels (1900 MHz (PCS)) were considered for each sector of the proposed installation. These Channels have a transmit power of 16 Watts per Channel.
- 4) 2 LTE channels (1900 MHz (PCS)) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.
- 5) 8 LTE channels (2500 MHz (BRS)) were considered for each sector of the proposed installation. These Channels have a transmit power of 20 Watts per Channel.



- 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 6-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 NNVV-65B-R4 and the RFS APXVTM14-ALU-I20** for transmission in the 850 MHz, 1900 MHz (PCS) and 2500 MHz (BRS) frequency bands. This is based on feedback from the carrier with regards to anticipated antenna selection. Maximum gain values for all antennas are listed in the Inventory and Power Data table below. 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 centerlines of the proposed antennas are **131 feet** above ground level (AGL) for **Sector A**, **131 feet** above ground level (AGL) for **Sector B** and **131 feet** above ground level (AGL) for Sector C.
- 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 population threshold limits.



SPRINT Site Inventory and Power Data by Antenna

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	Commscope NNVV-65B-R4	Make / Model:	Commscope NNVV-65B-R4	Make / Model:	Commscope NNVV-65B-R4
Gain:	12.75 / 15.05 dBd	Gain:	12.75 / 15.05 dBd	Gain:	12.75 / 15.05 dBd
Height (AGL):	131 feet	Height (AGL):	131 feet	Height (AGL):	131 feet
Frequency Bands	850 MHz / 1900 MHz (PCS)	Frequency Bands	850 MHz / 1900 MHz (PCS)	Frequency Bands	850 MHz / 1900 MHz (PCS)
Channel Count	10	Channel Count	10	Channel Count	10
Total TX Power(W):	280 Watts	Total TX Power(W):	280 Watts	Total TX Power(W):	280 Watts
ERP (W):	7,378.61	ERP (W):	7,378.61	ERP (W):	7,378.61
Antenna A1 MPE%	2.10 %	Antenna B1 MPE%	2.10 %	Antenna C1 MPE%	2.10 %
Antenna #:	2	Antenna #:	2	Antenna #:	2
Make / Model:	RFS APXVTM14-ALU-I20	Make / Model:	RFS APXVTM14-ALU-I20	Make / Model:	RFS APXVTM14-ALU-I20
Gain:	15.9 dBd	Gain:	15.9 dBd	Gain:	15.9 dBd
Height (AGL):	131 feet	Height (AGL):	131 feet	Height (AGL):	131 feet
Frequency Bands	2500 MHz (BRS)	Frequency Bands	2500 MHz (BRS)	Frequency Bands	2500 MHz (BRS)
Channel Count	8	Channel Count	8	Channel Count	8
Total TX Power(W):	160 Watts	Total TX Power(W):	160 Watts	Total TX Power(W):	160 Watts
ERP (W):	6,224.72	ERP (W):	6,224.72	ERP (W):	6,224.72
Antenna A2 MPE%	1.43 %	Antenna B2 MPE%	1.43 %	Antenna C2 MPE%	1.43 %

Site Composite MPE%	
Carrier	MPE%
SPRINT – Max per sector	3.53 %
AT&T	1.50 %
Nextel	0.54 %
MetroPCS	0.77 %
Site Total MPE %:	6.34 %

SPRINT Sector A Total:	3.53 %
SPRINT Sector B Total:	3.53 %
SPRINT Sector C Total:	3.53 %
Site Total:	6.34 %

SPRINT _ Frequency Band / Technology (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
Sprint 850 MHz CDMA	1	376.73	131	0.87	850 MHz	567	0.16%
Sprint 850 MHz LTE	2	941.82	131	4.33	850 MHz	567	0.76%
Sprint 1900 MHz (PCS) CDMA	5	511.82	131	5.89	1900 MHz (PCS)	1000	0.59%
Sprint 1900 MHz (PCS) LTE	2	1,279.56	131	5.89	1900 MHz (PCS)	1000	0.59%
Sprint 2500 MHz (BRS) LTE	8	778.09	131	14.32	2500 MHz (BRS)	1000	1.43%
						Total:	3.53%

Summary

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

The anticipated maximum composite contributions from the SPRINT facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

SPRINT Sector	Power Density Value (%)
Sector A:	3.53 %
Sector B:	3.53 %
Sector C:	3.53 %
SPRINT Maximum Total (per sector):	3.53 %
Site Total:	6.34 %
Site Compliance Status:	COMPLIANT

The anticipated composite MPE value for this site assuming all carriers present is **6.34 %** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

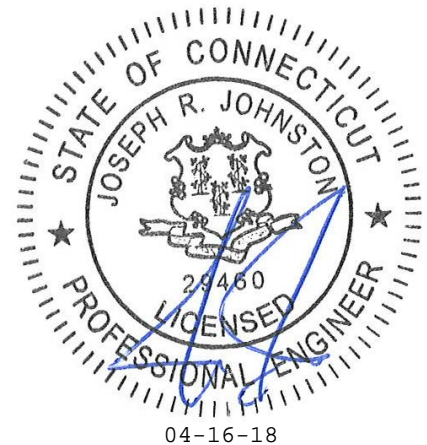
FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100%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

Mount Analysis Report

April 14, 2018

Sprint Site Number	CT03XC161
Infinigy Job Number	526-104
Client	Airosmith Development
Carrier	Sprint
Site Location	139 Morris Hubbard Road Higganum, CT 06441 41° 28' 18.3" N NAD83 72° 33' 17.6" W NAD83
Mount Centerline EL.	131.0
Mount Classification	Platform w/ Handrails
Failing Structural Usage	118.2%
Passing Structural Usage	64.6%
Overall Result	Contingent Pass- See Required Modification Below.
Notes	Install (1) SitePro1 HRK12 36" above existing horizontal

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



Nathaniel R. Ober, E.I.T.
Northeast Structural Region Lead

Contents

Introduction.....	3
Supporting Documentation.....	3
Analysis Code Requirements.....	3
Conclusion.....	3
Final Configuration Loading.....	4
Structure Usages.....	4
Assumptions and Limitations.....	4
Calculations.....	Appended

Introduction

Infinigy Engineering has been requested to perform a mount analysis on the existing Sprint mounts. All supporting documents have been obtained from the client and are assumed to be accurate and applicable to this site. The mount was analyzed using RISA-3D Version 16.0.2 analysis software.

Supporting Documentation

Construction Drawings	Infinigy CD's, Job #526-104, dated April 10, 2018
Collocation Application	ATC Project # OAA12589, dated March 13, 2018

Analysis Code Requirements

Wind Speed	101 mph (3-Second Gust, V_{ASD}) / 130 mph (3-Second Gust, V_{ULT})
Wind Speed w/ ice	40mph (3-Second Gust, V_{ASD}) w/ 0.5" ice
TIA Revision	ANSI/TIA-222-G
Adopted IBC	2015 IBC/ 2016 Connecticut State Building Code
Structure Class	II
Exposure Category	C
Topographic Category	1
Calculated Crest Height	0 ft

Conclusion

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

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

Nathaniel R Ober E.I.T.
 Northeast Structural Region Lead | Infinigy
 1033 Watervliet Shaker Road, Albany, NY 12205
 (O) (518) 690-0790 | (M) (303) 704-0322
nober@infinigy.com | www.infinigy.com

April 14, 2018

Final Configuration Loading

Mount CL (ft)	Rad. HT (ft)	Horiz. O/S (ft)*	Qty	Appurtenance	Carrier
131.0	131.0	4.0,8.0	6	Decibel DB844H90E-XY	Sprint
		0.0	3	Commscope NNVV-65B-R4	
		12.0	3	RFS APXVM14-ALU-I20	
		4.0,8.0	6	Alcatel-Lucent RRH2x50-08	
		12.0	3	Alcatel-Lucent TD-RRH8x20-25	
		0.0	3	Alcatel-Lucent 1900 MHz 4x45 RRH	

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

Structure Usages Existing

Face Horizontal	28.7	Fail
Standoff	57.3	Pass
Mount Pipe	118.2	Fail
RATING =	118.2	Fail

Structure Usages Proposed

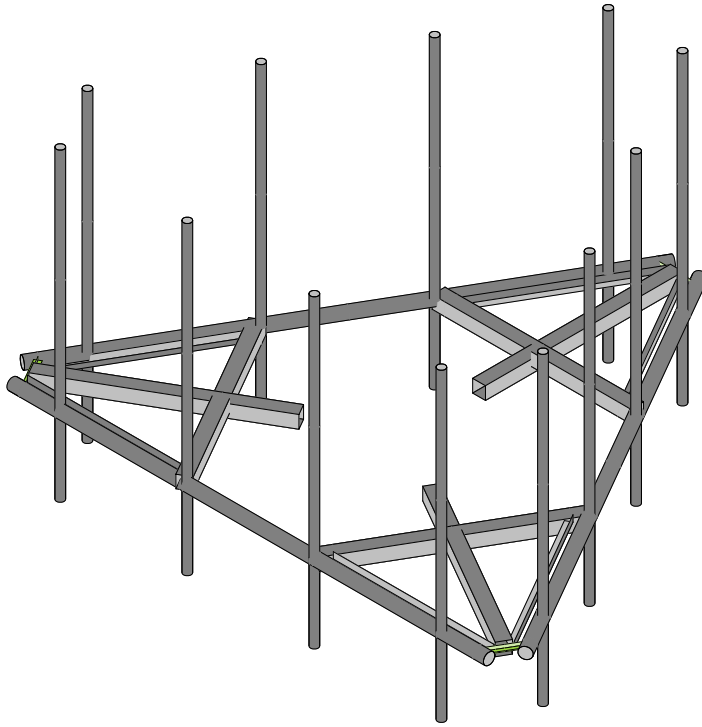
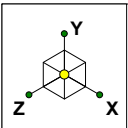
Face Horizontal	20.5	Pass
Standoff	53.7	Pass
Mount Pipe	64.6	Pass
RATING =	64.6	Pass

Assumptions and Limitations

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

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

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



Envelope Only Solution

Infinigy

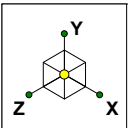
NRO

526-104

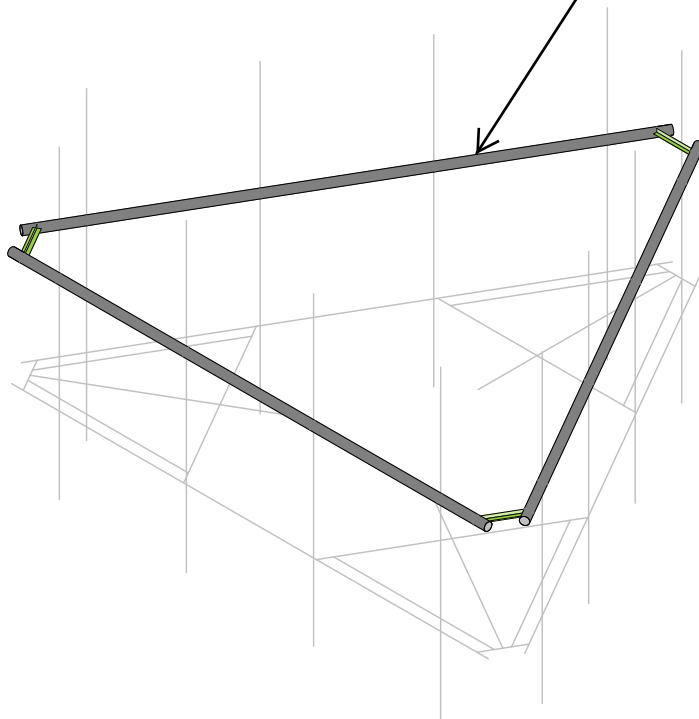
RMQP-496
Existing Platform

Apr 14, 2018 at 3:42 PM

RMQP-496.r3d

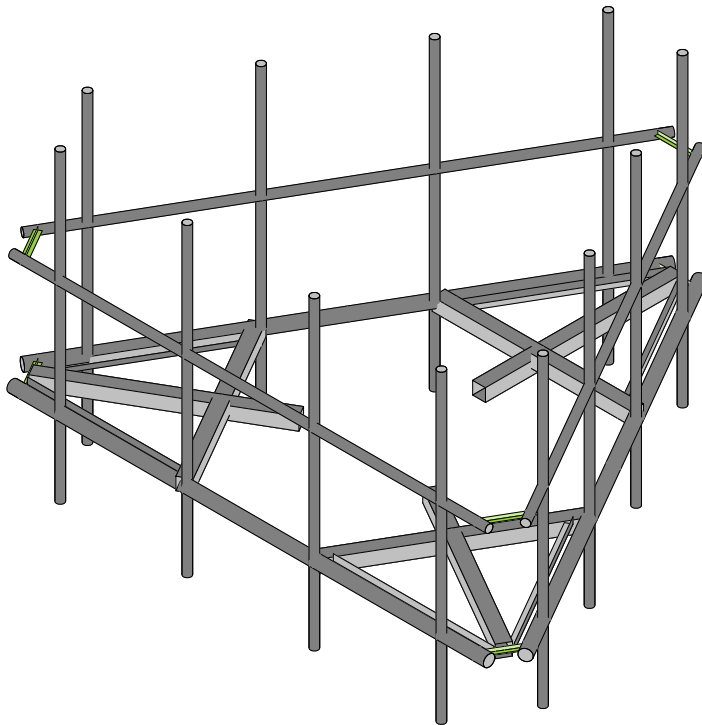
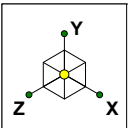


**Install (1) SitePro1
HRK12 36" above
existing horizontal**



Envelope Only Solution

Infinigy	RMQP-496 Proposed Modification	
NRO		Apr 14, 2018 at 3:42 PM
526-104		RMQP-496.r3d



Envelope Only Solution

Infinigy	RMQP-496 Final Configuration	Apr 14, 2018 at 3:41 PM
NRO		RMQP-496.r3d
526-104		

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			HSS 4"x4"x1/4"	Beam	None	A53 Gr.B	Typical
2	M2	N3	N4			RIGID	None	None	RIGID	Typical
3	M3	N5	N8			HSS 4"x4"x1/4"	Beam	None	A53 Gr.B	Typical
4	M4	N9	N10			RIGID	None	None	RIGID	Typical
5	M5	N6	N11			HSS 4"x4"x1/4"	Beam	None	A53 Gr.B	Typical
6	M6	N12	N13			RIGID	None	None	RIGID	Typical
7	M7	N16	N15			3" STD Pipe	Beam	None	A53 Gr.B	Typical
8	M8	N19	N18			3" STD Pipe	Beam	None	A53 Gr.B	Typical
9	M9	N22	N21			3" STD Pipe	Beam	None	A53 Gr.B	Typical
10	M10	N26	N27			HSS 4"x4"x1/4"	Beam	None	A53 Gr.B	Typical
11	M11	N28	N29			HSS 4"x4"x1/4"	Beam	None	A53 Gr.B	Typical
12	M12	N30	N31			HSS 4"x4"x1/4"	Beam	None	A53 Gr.B	Typical
13	M13	N33	N34			L2"x2"x1/8"	Beam	None	A36 Gr.36	Typical
14	M14	N32	N35		270	L2"x2"x1/8"	Beam	None	A36 Gr.36	Typical
15	M15	N37	N38			L2"x2"x1/8"	Beam	None	A36 Gr.36	Typical
16	M16	N36	N39		270	L2"x2"x1/8"	Beam	None	A36 Gr.36	Typical
17	M17	N41	N42			L2"x2"x1/8"	Beam	None	A36 Gr.36	Typical
18	M18	N40	N43		270	L2"x2"x1/8"	Beam	None	A36 Gr.36	Typical
19	MP1	N100	N101			2" STD Pipe	Beam	None	A53 Gr.B	Typical
20	MP2	N102	N103			2" STD Pipe	Beam	None	A53 Gr.B	Typical
21	MP3	N104	N105			2" STD Pipe	Beam	None	A53 Gr.B	Typical
22	MP4	N106	N107			2" STD Pipe	Beam	None	A53 Gr.B	Typical
23	MP9	N116	N117			2" STD Pipe	Beam	None	A53 Gr.B	Typical
24	MP10	N118	N119			2" STD Pipe	Beam	None	A53 Gr.B	Typical
25	MP11	N120	N121			2" STD Pipe	Beam	None	A53 Gr.B	Typical
26	MP12	N122	N123			2" STD Pipe	Beam	None	A53 Gr.B	Typical
27	MP5	N108	N109			2" STD Pipe	Beam	None	A53 Gr.B	Typical
28	MP6	N110	N111			2" STD Pipe	Beam	None	A53 Gr.B	Typical
29	MP7	N112	N113			2" STD Pipe	Beam	None	A53 Gr.B	Typical
30	MP8	N114	N115			2" STD Pipe	Beam	None	A53 Gr.B	Typical
31	M31	N85	N86			RIGID	None	None	RIGID	Typical
32	M32	N87	N88			RIGID	None	None	RIGID	Typical
33	M33	N89	N90			RIGID	None	None	RIGID	Typical
34	M34	N92	N91			2" STD Pipe	Beam	None	A53 Gr.B	Typical
35	M35	N94	N93			2" STD Pipe	Beam	None	A53 Gr.B	Typical
36	M36	N96	N95			2" STD Pipe	Beam	None	A53 Gr.B	Typical

Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[K]
1	General				
2	RIGID		6	72	0
3	Total General		6	72	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	L2x2x2	6	303.1	0
7	A53 Gr.B	HSS4x4x4	6	374.3	.4
8	A53 Gr.B	PIPE 2.0	15	1602	.5
9	A53 Gr.B	PIPE 3.0	3	450	.3
10	Total HR Steel		30	2729.4	1.1

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut..	Area(M...	Surface...
1	Self Weight	DL			-1		36		3	
2	Wind Load AZI 000	WLZ					36		1	
3	Wind Load AZI 090	WLX					36		1	
4	Ice Weight	OL1					36	36		
5	Wind + Ice Load AZI 000	OL2					36		1	
6	Wind + Ice Load AZI 090	OL3					21		1	
7	Service Live 1	LL				6				
8	BLC 1 Transient Area Loads	None						45		
9	BLC 2 Transient Area Loads	None						35		
10	BLC 3 Transient Area Loads	None						29		
11	BLC 5 Transient Area Loads	None						35		
12	BLC 6 Transient Area Loads	None						29		

Load Combinations

	Description	So...	P...	S...	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..
1	1.4D	Yes	Y		DL	1.4									
2	1.2D + 1.6W AZI 000	Yes	Y		DL	1.2	W...	1.6							
3	1.2D + 1.6W AZI 030	Yes	Y		DL	1.2	W...	1.3...	W...	.8					
4	1.2D + 1.6W AZI 060	Yes	Y		DL	1.2	W...	.8	W...	1.3...					
5	1.2D + 1.6W AZI 090	Yes	Y		DL	1.2			W...	1.6					
6	1.2D + 1.6W AZI 120	Yes	Y		DL	1.2	W...	-.8	W...	1.3...					
7	1.2D + 1.6W AZI 150	Yes	Y		DL	1.2	W...	-1.3...	W...	.8					
8	1.2D + 1.6W AZI 180	Yes	Y		DL	1.2	W...	-1.6							
9	1.2D + 1.6W AZI 210	Yes	Y		DL	1.2	W...	-1.3...	W...	-.8					
10	1.2D + 1.6W AZI 240	Yes	Y		DL	1.2	W...	-.8	W...	-1.3...					
11	1.2D + 1.6W AZI 270	Yes	Y		DL	1.2			W...	-1.6					
12	1.2D + 1.6W AZI 300	Yes	Y		DL	1.2	W...	.8	W...	-1.3...					
13	1.2D + 1.6W AZI 330	Yes	Y		DL	1.2	W...	1.3...	W...	-.8					
14	0.9D + 1.6W AZI 000	Yes	Y		DL	.9	W...	1.6							
15	0.9D + 1.6W AZI 030	Yes	Y		DL	.9	W...	1.3...	W...	.8					
16	0.9D + 1.6W AZI 060	Yes	Y		DL	.9	W...	.8	W...	1.3...					
17	0.9D + 1.6W AZI 090	Yes	Y		DL	.9			W...	1.6					
18	0.9D + 1.6W AZI 120	Yes	Y		DL	.9	W...	-.8	W...	1.3...					
19	0.9D + 1.6W AZI 150	Yes	Y		DL	.9	W...	-1.3...	W...	.8					
20	0.9D + 1.6W AZI 180	Yes	Y		DL	.9	W...	-1.6							
21	0.9D + 1.6W AZI 210	Yes	Y		DL	.9	W...	-1.3...	W...	-.8					
22	0.9D + 1.6W AZI 240	Yes	Y		DL	.9	W...	-.8	W...	-1.3...					
23	0.9D + 1.6W AZI 270	Yes	Y		DL	.9			W...	-1.6					
24	0.9D + 1.6W AZI 300	Yes	Y		DL	.9	W...	.8	W...	-1.3...					
25	0.9D + 1.6W AZI 330	Yes	Y		DL	.9	W...	1.3...	W...	-.8					
26	1.2D + 1.0Di	Yes	Y		DL	1.2	OL1	1							
27	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1	OL2	1					
28	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1	OL2	.866	OL3	.5			
29	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1	OL2	.5	OL3	.866			
30	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1			OL3	1			
31	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1	OL2	-.5	OL3	.866			
32	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1	OL2	-.866	OL3	.5			
33	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1	OL2	-1					
34	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1	OL2	-.866	OL3	-.5			
35	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1	OL2	-.5	OL3	-.866			
36	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1			OL3	-1			
37	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1	OL2	.5	OL3	-.866			
38	1.2D + 1.0Di + 1.0Wi A...	Yes	Y		DL	1.2	OL1	1	OL2	.866	OL3	-.5			
39	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5	W...	.111					

Load Combinations (Continued)

	Description	So...	P...	S...	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..
40	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5	W...	.096	W...	.056		
41	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5	W...	.056	W...	.096		
42	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5			W...	.111		
43	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5	W...	-.056	W...	.096		
44	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5	W...	-.096	W...	.056		
45	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5	W...	-.111				
46	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5	W...	-.096	W...	-.056		
47	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5	W...	-.056	W...	-.096		
48	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5			W...	-.111		
49	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5	W...	.056	W...	-.096		
50	1.2D + 1.5L + 1.0WL (...)	Yes	Y		DL	1.2	LL	1.5	W...	.096	W...	-.056		

Envelope Joint Reactions

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC	
1	N6	max	1973.766	17	2589.905	2	2989.152	14	5620.367	2	2085.114	23	1379.689	23
		min	-1973.357	23	-756.823	20	-3158.569	8	-2512.564	20	-2086.712	17	-1457.691	5
3	N5	max	2791.296	5	2576.721	10	1973.749	3	1545.375	15	1135.688	19	4907.897	10
		min	-2645.131	23	-745.092	16	-1888.644	21	-3039.775	9	-1137.253	25	-2180.787	16
5	N1	max	2316.887	18	2577.047	6	2520.059	13	1682.443	25	1561.963	14	2137.533	24
		min	-2463.643	12	-744.797	24	-2435.562	19	-3308.766	7	-1560.31	20	-4789.429	6
7	Totals:	max	7050.299	17	6487.6	29	7179.171	2						
8		min	-7050.299	11	2354.104	22	-7179.171	20						

Envelope AISC 14th(360-10): LRFD Steel Code Checks

Member	Shape	Code Check	Lo.....	Shear C...	Loc[in]...	LC	phi*Pnc...	phi*Pnt...	phi*...	phi*...	Eqn		
1	MP3 PIPE 2.0	.646	24	2	.094	24	12	14916....	32130	1871...	1871....	H1-...	
2	MP7 PIPE 2.0	.611	24	6	.096	24	8	14916....	32130	1871...	1871....	H1-...	
3	MP11 PIPE 2.0	.591	24	5	.104	24	4	14916....	32130	1871...	1871....	H1-...	
4	MP10 PIPE 2.0	.541	24		.099	24	11	14916....	32130	1871...	1871....	H1-...	
5	M1 HSS4x...	.537	0	7	.196	0	z	9	97437.38	106155	1231...	1231....	H1-...
6	MP6 PIPE 2.0	.528	24		.118	24	12	14916....	32130	1871...	1871....	H1-...	
7	M5 HSS4x...	.515	0	3	.208	0	z	5	97436....	106155	1231...	1231....	H1-...
8	MP2 PIPE 2.0	.498	24	6	.120	24	8	14916....	32130	1871...	1871....	H1-...	
9	M3 HSS4x...	.489	0		.186	0	z	13	97436....	106155	1231...	1231....	H1-...
10	M34 PIPE 2.0	.478	14		.532	4.687	11	6295.422	32130	1871...	1871....	H3-6	
11	M35 PIPE 2.0	.464	4.6	.8	.560	4.688	2	6295.422	32130	1871...	1871....	H3-6	
12	MP9 PIPE 2.0	.427	24		.137	24	11	14916....	32130	1871...	1871....	H1-...	
13	MP5 PIPE 2.0	.423	24	2	.135	24	3	14916....	32130	1871...	1871....	H1-...	
14	M36 PIPE 2.0	.420	14		.496	4.688	6	6295.422	32130	1871...	1871....	H3-6	
15	MP8 PIPE 2.0	.415	24	6	.149	24	5	14916....	32130	1871...	1871....	H1-...	
16	MP4 PIPE 2.0	.391	24	9	.165	24	8	14916....	32130	1871...	1871....	H1-...	
17	MP1 PIPE 2.0	.386	24	6	.140	24	7	14916....	32130	1871...	1871....	H1-...	
18	MP12 PIPE 2.0	.384	24	2	.148	24	12	14916....	32130	1871...	1871....	H1-...	
19	M11 HSS4x...	.231	31		.118	58.6...	z	9	97364.86	106155	1231...	1231....	H1-...
20	M12 HSS4x...	.229	30		.120	62.52	z	13	97364.86	106155	1231...	1231....	H1-...
21	M10 HSS4x...	.227	31		.118	58.6...	z	5	97364.86	106155	1231...	1231....	H1-...
22	M7 PIPE 3.0	.205	93		.164	95.3...	9	28250....	65205	5748...	5748....	H1-...	
23	M9 PIPE 3.0	.205	93		.174	95.3...	5	28250....	65205	5748...	5748....	H1-...	
24	M8 PIPE 3.0	.195	93		.174	95.3...	13	28250....	65205	5748...	5748....	H1-...	
25	M17 L2x2x2	.148	50		.011	50.52	y	33	6508.508	15908.4	402....	782....	H2-1
26	M13 L2x2x2	.148	50		.011	50.52	y	37	6508.508	15908.4	402....	794....	H2-1
27	M15 L2x2x2	.145	50		.011	50.52	y	29	6508.508	15908.4	402....	784....	H2-1
28	M18 L2x2x2	.136	50		.011	50.52	z	29	6508.508	15908.4	402....	780....	H2-1
29	M14 L2x2x2	.136	50		.011	50.52	z	32	6508.508	15908.4	402....	775....	H2-1

Envelope AISC 14th(360-10): LRFD Steel Code Checks (Continued)

Member	Shape	Code Check	Lo...	Shear C...	Loc[fin]...	LC	phi*Pnc...	phi*Pnt...	phi*...	phi*...	Egn
30	M16	L2x2x2	.134	50...	.011	50.52	z	37	6508.508	15908.4	402... 777... H2-1

Sprint



PROJECT: DO MACRO UPGRADE
 SITE NAME: SNET - HIGGANUM
 SITE CASCADE: CT03XC161
 SITE ADDRESS: 139 MORRIS HUBBARD RD.
 HIGGANUM, CT 06441
 SITE TYPE: MONOPOLE TOWER
 MARKET: NORTHEAST CONNECTICUT

PLANS PREPARED FOR:

PLANS PREPARED BY:

FROM ZERO TO INFINIGY
 the solutions are endless
 1033 Watervliet Shaker Rd | Albany, NY 12203
 Phone: 518-690-0790 | Fax: 518-690-0793
 www.infinigy.com
 JOB NUMBER 526-104

PROJECT MANAGER:

32 CLINTON ST.
 SARATOGA SPRINGS, NY 12866
 OFFICE# (518) 306-3740

ENGINEERING LICENSE:

DRAWING NOTICE:
 THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:	DESCRIPTION	DATE	BY	REV.

ISSUED FOR PERMIT: 05/17/18 ETC 0

SITE NAME:
SNET - HIGGANUM

SITE NUMBER:
CT03XC161

SITE ADDRESS:
 139 MORRIS HUBBARD RD.
 HIGGANUM, CT 06441

SHEET DESCRIPTION:
TITLE SHEET & PROJECT DATA

SHEET NUMBER:
T-1

SITE INFORMATION

TOWER OWNER:
 AMERICAN TOWER CORPORATION
 10 PRESIDENTIAL WAY
 WOBURN, MA 01801

LATITUDE (NAD83):
 41° 28' 18.3" N
 41.471750°

LONGITUDE (NAD83):
 72° 33' 17.604" W
 -72.55489°

COUNTY:
 MIDDLESEX

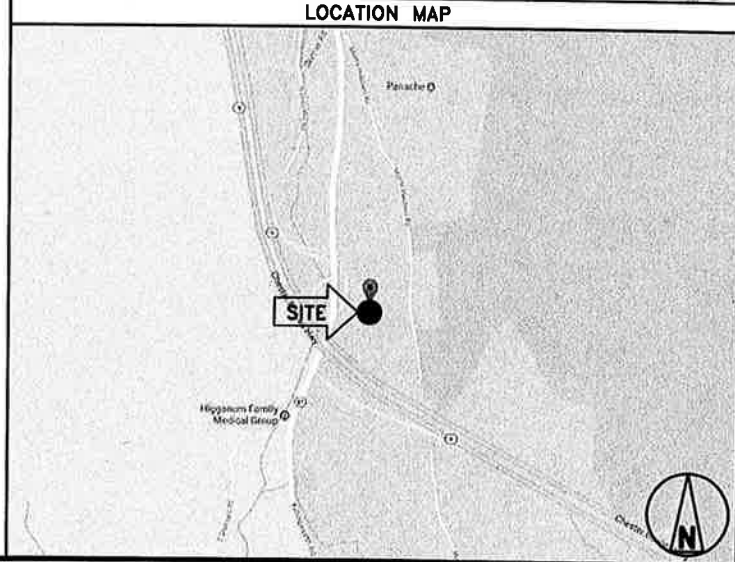
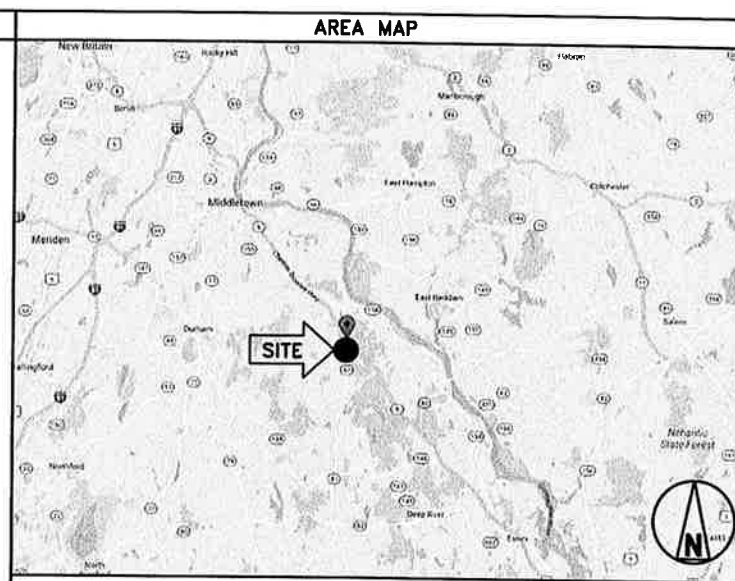
ZONING JURISDICTION:
 CONNECTICUT SITING COUNCIL

ZONING DISTRICT:
 N/A

POWER COMPANY:
 CL&P
 PHONE: (800) 286-2000

AAV PROVIDER:
 AT&T
 PHONE: (800) 288-2020

PROJECT MANAGER:
 AIROSMITH DEVELOPMENT
 TERRI BURKHOLDER
 (315) 719-2928
 TBURKHOLDER@AIROSMITHDEVELOPMENT.COM



PROJECT DESCRIPTION

SPRINT PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY.

- REMOVE (6) PANEL ANTENNAS, (6) PANEL ANTENNAS TO REMAIN
- INSTALL (6) PANEL ANTENNAS
- REMOVE (3) GROUND MOUNTED 1900 MHz RRH
- INSTALL (3) 2.5 GHz, (3) 1900 MHz & (6) 800 MHz RRH'S BEHIND ANTENNAS
- INSTALL (48) JUMPER CABLES
- INSTALL (4) HYBRID CABLE
- INSTALL 2.5 EQUIPMENT INSIDE EXISTING N.V. MMBS CABINET

THESE PLANS HAVE BEEN DEVELOPED FOR THE MODIFICATION OF AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY OWNED OR LEASED BY SPRINT IN ACCORDANCE WITH THE SCOPE OF WORK PROVIDED BY SPRINT. INFINIGY HAS INCORPORATED THIS SCOPE OF WORK IN THE PLANS. THESE PLANS ARE NOT FOR CONSTRUCTION UNLESS ACCOMPANIED BY A PASSING STRUCTURAL STABILITY ANALYSIS PREPARED BY A LICENSED STRUCTURAL ENGINEER. STRUCTURAL ANALYSIS MUST INCLUDE BOTH TOWER AND MOUNT.

APPLICABLE CODES

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALL IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- INTERNATIONAL BUILDING CODE (2015 IBC)
- TIA-222-G OR LATEST EDITION
- NFPA 780 - LIGHTNING PROTECTION CODE
- 2011 NATIONAL ELECTRIC CODE OR LATEST EDITION
- ANY OTHER NATIONAL OR LOCAL APPLICABLE CODES, MOST RECENT EDITIONS
- NY BUILDING CODE
- LOCAL BUILDING CODE
- CITY/COUNTY ORDINANCES

DRAWING INDEX

SHEET NO.	SHEET TITLE	REV.
T-1	TITLE SHEET & PROJECT DATA	0
SP-1	SPRINT SPECIFICATIONS	0
SP-2	SPRINT SPECIFICATIONS	0
SP-3	SPRINT SPECIFICATIONS	0
A-1	SITE PLAN	0
A-2	TOWER ELEVATION	0
A-3	ANTENNA LAYOUT & MOUNTING DETAILS	0
A-4	EQUIPMENT & MOUNTING DETAILS	0
A-5	EQUIPMENT & MOUNTING DETAILS	0
A-6	CIVIL DETAILS	0
A-7	PLUMBING DIAGRAM	0
E-1	ELECTRICAL & GROUNDING PLAN	0
E-2	ELECTRICAL & GROUNDING DETAILS	0



THESE OUTLINE SPECIFICATIONS IN CONJUNCTION WITH THE SPRINT STANDARD CONSTRUCTION SPECIFICATIONS, INCLUDING CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.

SECTION 01 100 - SCOPE OF WORK

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE SPRINT CONSTRUCTION STANDARDS FOR WIRELESS SITES, CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
 - B. SPRINT 'STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES' ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.
- 1.3 PRECEDENCE: SHOULD CONFLICTS OCCUR BETWEEN THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES INCLUDING THE STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES AND THE CONSTRUCTION DRAWINGS, INFORMATION ON THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE. NOTIFY SPRINT CONSTRUCTION MANAGER IF THIS OCCURS.
- 1.4 NATIONALLY RECOGNIZED CODES AND STANDARDS:
 - A. THE WORK SHALL COMPLY WITH APPLICABLE NATIONAL AND LOCAL CODES AND STANDARDS, LATEST EDITION, AND PORTIONS THEREOF, INCLUDED BUT NOT LIMITED TO THE FOLLOWING:
 - 1. GR-63-CORE NEBS REQUIREMENTS: PHYSICAL PROTECTION
 - 5. GR-78-CORE GENERIC REQUIREMENTS FOR THE PHYSICAL DESIGN AND MANUFACTURE OF TELECOMMUNICATIONS EQUIPMENT.
 - 3. GR-1089 CORE, ELECTROMAGNETIC COMPATIBILITY AND ELECTRICAL SAFETY -GENERIC CRITERIA FOR NETWORK TELECOMMUNICATIONS EQUIPMENT.
 - 4. NATIONAL FIRE PROTECTION ASSOCIATION CODES AND STANDARDS (NFPA) INCLUDING NFPA 70 (NATIONAL ELECTRICAL CODE - "NEC") AND NFPA 101 (LIFE SAFETY CODE).
 - 5. AMERICAN SOCIETY FOR TESTING OF MATERIALS (ASTM)
 - 6. INSTITUTE OF ELECTRONIC AND ELECTRICAL ENGINEERS (IEEE)
 - 7. AMERICAN CONCRETE INSTITUTE (ACI)
 - 8. AMERICAN WIRE PRODUCERS ASSOCIATION (AWPA)
 - 9. CONCRETE REINFORCING STEEL INSTITUTE (CRSI)
 - 10. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
 - 11. PORTLAND CEMENT ASSOCIATION (PCA)
 - 12. NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA)
 - 13. BRICK INDUSTRY ASSOCIATION (BIA)
 - 14. AMERICAN WELDING SOCIETY (AWS)
 - 15. NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA)
 - 16. SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA)
 - 17. DOOR AND HARDWARE INSTITUTE (DHI)
 - 18. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
 - 19. APPLICABLE BUILDING CODES INCLUDING UNIFORM BUILDING CODE, SOUTHERN BUILDING CODE, BOCA, AND THE INTERNATIONAL BUILDING CODE.

1.5 DEFINITIONS:

- A. WORK: THE SUM OF TASKS AND RESPONSIBILITIES IDENTIFIED IN THE CONTRACT DOCUMENTS.
- B. COMPANY: SPRINT CORPORATION
- C. ENGINEER: SYNONYMOUS WITH ARCHITECT & ENGINEER AND "A&E". THE DESIGN PROFESSIONAL HAVING PROFESSIONAL RESPONSIBILITY FOR DESIGN OF THE PROJECT.
- D. CONTRACTOR: CONSTRUCTION CONTRACTOR; CONSTRUCTION VENDOR; INDIVIDUAL OR ENTITY WHO AFTER EXECUTION OF A CONTRACT IS BOUND TO ACCOMPLISH THE WORK.
- E. THIRD PARTY VENDOR OR AGENCY: A VENDOR OR AGENCY ENGAGED SEPARATELY BY THE COMPANY, A&E, OR CONTRACTOR TO PROVIDE MATERIALS OR TO ACCOMPLISH SPECIFIC TASKS RELATED TO BUT NOT INCLUDED IN THE WORK.
- F. OFCI: OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT.
- G. CONSTRUCTION MANAGER - ALL PROJECTS RELATED COMMUNICATION TO FLOW THROUGH SPRINT REPRESENTATIVE IN CHARGE OF PROJECT...

- 1.6 SITE FAMILIARITY: CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE SPRINT CONSTRUCTION MANAGER PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OR FIELD CONDITIONS.
- 1.7 POINT OF CONTACT: COMMUNICATION BETWEEN SPRINT AND THE CONTRACTOR SHALL FLOW THROUGH THE SINGLE SPRINT CONSTRUCTION MANAGER APPOINTED TO MANAGE THE PROJECT FOR SPRINT.
- 1.8 ON-SITE SUPERVISION: THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT WHO SHALL BE IN ATTENDANCE AT THE SITE AT ALL TIMES DURING PERFORMANCE OF THE WORK.
- 1.9 DRAWINGS, SPECIFICATIONS AND DETAILS REQUIRED AT JOBSITE: THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS, STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES AND THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES AT THE JOBSITE FROM MOBILIZATION THROUGH CONSTRUCTION COMPLETION.
 - A. THE JOBSITE DRAWINGS, SPECIFICATIONS AND DETAILS SHALL BE CLEARLY MARKED DAILY IN RED PENCIL WITH ANY CHANGES IN CONSTRUCTION OVER WHAT IS DEPICTED IN THE DOCUMENTS. AT CONSTRUCTION COMPLETION, THIS JOBSITE MARKUP SET SHALL BE DELIVERED TO THE COMPANY OR COMPANY'S DESIGNATED REPRESENTATIVE TO BE FORWARDED TO THE COMPANY'S A&E VENDOR FOR PRODUCTION OF "AS-BUILT" DRAWINGS.
 - B. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK. CONTRACTOR SHALL NOTIFY SPRINT CONSTRUCTION MANAGER OF ANY VARIATIONS PRIOR TO PROCEEDING WITH THE WORK.
 - C. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS NOTED OTHERWISE. SPACING BETWEEN EQUIPMENT IS THE REQUIRED CLEARANCE. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE SPRINT CONSTRUCTION MANAGER PRIOR TO PROCEEDING WITH THE WORK.
- 1.10 USE OF JOB SITE: THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION AND RELATED OPERATIONS INCLUDING STAGING AND STORAGE OF MATERIALS AND EQUIPMENT, PARKING, TEMPORARY FACILITIES, AND WASTE STORAGE TO THE LEASE PARCEL UNLESS OTHERWISE PERMITTED BY THE CONTRACT DOCUMENTS.
- 1.11 UTILITIES SERVICES: WHERE NECESSARY TO CUT EXISTING PIPES, ELECTRICAL WIRES, CONDUITS, CABLES, ETC., OF UTILITY SERVICES, OR OF FIRE PROTECTION OR COMMUNICATIONS SYSTEMS, THEY SHALL BE CUT AND CAPPED AT SUITABLE PLACES OR WHERE SHOWN. ALL SUCH ACTIONS SHALL BE COORDINATED WITH THE UTILITY COMPANY INVOLVED.
- 1.12 PERMITS / FEES: WHEN REQUIRED THAT A PERMIT OR CONNECTION FEE BE PAID TO A PUBLIC UTILITY PROVIDER FOR NEW SERVICE TO THE CONSTRUCTION PROJECT, PAYMENT OF SUCH FEE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 1.13 CONTRACTOR SHALL TAKE ALL MEASURES AND PROVIDE ALL MATERIAL NECESSARY FOR PROTECTING EXISTING EQUIPMENT AND PROPERTY.
- 1.14 METHODS OF PROCEDURE (MOPS) FOR CONSTRUCTION: CONTRACTOR SHALL PERFORM WORK AS DESCRIBED IN THE FOLLOWING INSTALLATION AND COMMISSIONING MOPS.

NOTE: IN SHORT-FORM SPECIFICATIONS ON THE DRAWINGS, A/E TO INSERT LIST OF APPLICABLE MOPS INCLUDING EN-2012-001, EN-2013-002, EL-0568, AND TS-0193

1.15 USE OF ELECTRONIC PROJECT MANAGEMENT SYSTEMS:

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

- 3.1 TEMPORARY UTILITIES AND FACILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND FACILITIES NECESSARY EXCEPT AS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS. TEMPORARY UTILITIES AND FACILITIES INCLUDE POTABLE WATER, HEAT, HVAC, ELECTRICITY, SANITARY FACILITIES, WASTE DISPOSAL FACILITIES, AND TELEPHONE/COMMUNICATION SERVICES. PROVIDE TEMPORARY UTILITIES AND FACILITIES IN ACCORDANCE WITH OSHA AND THE AUTHORITY HAVING JURISDICTION. CONTRACTOR MAY UTILIZE THE COMPANY ELECTRICAL SERVICE IN THE COMPLETION OF THE WORK WHEN IT BECOMES AVAILABLE. USE OF THE LESSORS OR SITE OWNER'S UTILITIES OR FACILITIES IS EXPRESSLY FORBIDDEN EXCEPT AS OTHERWISE ALLOWED IN THE CONTRACT DOCUMENTS.
- 3.2 ACCESS TO WORK: THE CONTRACTOR SHALL PROVIDE ACCESS TO THE JOB SITE FOR AUTHORIZED COMPANY PERSONNEL AND AUTHORIZED REPRESENTATIVES OF THE ARCHITECT/ENGINEER DURING ALL PHASES OF THE WORK.
- 3.3 TESTING: REQUIREMENTS FOR TESTING BY THIS CONTRACTOR SHALL BE AS INDICATED HEREWITH, ON THE CONSTRUCTION DRAWINGS, AND IN THE INDIVIDUAL SECTIONS OF THESE SPECIFICATIONS. SHOULD COMPANY CHOOSE TO ENGAGE ANY THIRD-PARTY TO CONDUCT ADDITIONAL TESTING, THE CONTRACTOR SHALL COOPERATE WITH AND PROVIDE A WORK AREA FOR COMPANY'S TEST AGENCY.
- 3.4 DIMENSIONS: VERIFY DIMENSIONS INDICATED ON DRAWINGS WITH FIELD DIMENSIONS BEFORE FABRICATION OR ORDERING OF MATERIALS. DO NOT SCALE DRAWINGS.

- 3.5 EXISTING CONDITIONS: NOTIFY THE SPRINT CONSTRUCTION MANAGER OF EXISTING CONDITIONS DIFFERING FROM THOSE INDICATED ON THE DRAWINGS. DO NOT REMOVE OR ALTER STRUCTURAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND ENGINEER.

SECTION 01 200 - COMPANY FURNISHED MATERIAL AND EQUIPMENT

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
 - B. SPRINT 'STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES' ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

- 3.1 RECEIPT OF MATERIAL AND EQUIPMENT:
 - A. A COMPANY FURNISHED MATERIAL AND EQUIPMENT IS IDENTIFIED ON THE RF DATA SHEET IN THE CONSTRUCTION DOCUMENTS.
 - B. THE CONTRACTOR IS RESPONSIBLE FOR SPRINT PROVIDED MATERIAL AND EQUIPMENT AND UPON RECEIPT SHALL:
 - 1. ACCEPT DELIVERIES AS SHIPPED AND TAKE RECEIPT.
 - 2. VERIFY COMPLETENESS AND CONDITION OF ALL DELIVERIES.
 - 3. TAKE RESPONSIBILITY FOR EQUIPMENT AND PROVIDE INSURANCE PROTECTION AS REQUIRED IN AGREEMENT.
 - 4. RECORD ANY DEFECTS OR DAMAGES AND WITHIN TWENTY-FOUR HOURS AFTER RECEIPT, REPORT TO SPRINT OR ITS DESIGNATED PROJECT REPRESENTATIVE OF SUCH.
 - 5. PROVIDE SECURE AND NECESSARY WEATHER PROTECTED WAREHOUSING.
 - 6. COORDINATE SAFE AND SECURE TRANSPORTATION OF MATERIAL AND EQUIPMENT, DELIVERING AND OFF-LOADING FROM CONTRACTOR'S WAREHOUSE TO SITE.
- 3.2 DELIVERABLES:
 - A. COMPLETE SHIPPING AND RECEIPT DOCUMENTATION IN ACCORDANCE WITH COMPANY PRACTICE.
 - B. IF APPLICABLE, COMPLETE LOST/STOLEN/DAMAGED DOCUMENTATION REPORT AS NECESSARY IN ACCORDANCE WITH COMPANY PRACTICE, AND AS DIRECTED BY COMPANY.
 - C. UPLOAD DOCUMENTATION INTO SPRINT SITE MANAGEMENT SYSTEM (SMS) AND/OR PROVIDE HARD COPY DOCUMENTATION AS REQUESTED.

SECTION 01 300 - CELL SITE CONSTRUCTION CO.

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
 - B. SPRINT 'STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES' ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.
- 1.3 NOTICE TO PROCEED
 - A. NO WORK SHALL COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF THE WORK ORDER.
 - B. UPON RECEIVING NOTICE TO PROCEED, CONTRACTOR SHALL FULLY PERFORM ALL WORK NECESSARY TO PROVIDE SPRINT WITH AN OPERATIONAL WIRELESS FACILITY.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

- 3.1 FUNCTIONAL REQUIREMENTS:
 - A. THE ACTIVITIES DESCRIBED IN THIS PARAGRAPH REPRESENT MINIMUM ACTIONS AND PROCESSES REQUIRED TO SUCCESSFULLY COMPLETE THE WORK. THE ACTIVITIES DESCRIBED ARE NOT EXHAUSTIVE, AND CONTRACTOR SHALL TAKE ANY AND ALL ACTIONS AS NECESSARY TO SUCCESSFULLY COMPLETE THE CONSTRUCTION OF A FULLY FUNCTIONING WIRELESS FACILITY AT THE SITE IN ACCORDANCE WITH COMPANY PROCESSES.
 - B. SUBMIT SPECIFIC DOCUMENTATION AS INDICATED HEREIN, AND OBTAIN REQUIRED APPROVALS WHILE THE WORK IS BEING PERFORMED.
 - C. MANAGE AND CONDUCT ALL FIELD CONSTRUCTION SERVICE RELATED ACTIVITIES
 - D. PROVIDE CONSTRUCTION ACTIVITIES TO THE EXTENT REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

PLANS PREPARED FOR:



PLANS PREPARED BY:

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
1033 Watervliet Shaker Rd | Albany, NY 12205
Phone: 518-690-0790 | Fax: 518-690-0793
www.infinigy.com
JOB NUMBER 526-104

PROJECT MANAGER:

AIRSMITH
DEVELOPMENT
32 CLINTON ST
SARATOGA SPRINGS, NY 12866
OFFICE: (518) 308-3740

ENGINEERING LICENSE:



DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR PERMIT	05/17/18	ETC	0

SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

139 MORRIS HUBBARD RD.
HIGGANUM, CT 06441

SHEET DESCRIPTION:

SPRINT SPECIFICATIONS

SHEET NUMBER:

SP-1

CONTINUE FROM SP-1

1. PERFORM ANY REQUIRED SITE ENVIRONMENTAL MITIGATION.
2. PREPARE GROUND SITES; PROVIDE DE-GRUBBING; AND ROUGH AND FINAL GRADING, AND COMPOUND SURFACE TREATMENTS.
3. MANAGE AND CONDUCT ALL ACTIVITIES FOR INSTALLATION OF UTILITIES INCLUDING ELECTRICAL AND TELCO BACKHAUL.
4. INSTALL UNDERGROUND FACILITIES INCLUDING UNDERGROUND POWER AND COMMUNICATIONS CONDUITS, AND UNDERGROUND GROUNDING SYSTEM.
5. INSTALL ABOVE GROUND GROUNDING SYSTEMS.
6. PROVIDE NEW HVAC INSTALLATIONS AND MODIFICATIONS.
7. INSTALL "H-FRAMES", CABINETS AND SHELTERS AS INDICATED.
8. INSTALL ROADS, ACCESS WAYS, CURBS AND DRAINS AS INDICATED.
9. ACCOMPLISH REQUIRED MODIFICATION OF EXISTING FACILITIES.
10. PROVIDE ANTENNA SUPPORT STRUCTURE FOUNDATIONS.
11. PROVIDE SLABS AND EQUIPMENT PLATFORMS.
12. INSTALL COMPOUND FENCING, SIGHT SHIELDING, LANDSCAPING AND ACCESS BARRIERS.
13. PERFORM INSPECTION AND MATERIAL TESTING AS REQUIRED HEREINAFTER.
14. CONDUCT SITE RESISTANCE TO EARTH TESTING AS REQUIRED HEREINAFTER.
15. INSTALL FIXED GENERATOR SETS AND OTHER STANDBY POWER SOLUTIONS.
16. INSTALL TOWERS, ANTENNA SUPPORT STRUCTURES AND PLATFORMS ON EXISTING TOWERS AS REQUIRED.
17. INSTALL CELL SITE RADIOS, MICROWAVE, GPS, COAXIAL MAINLINE, ANTENNAS, CROSS BAND COUPLERS, TOWER TOP AMPLIFIERS, LOW NOISE AMPLIFIERS AND RELATED EQUIPMENT.
18. PERFORM, DOCUMENT, AND CLOSE OUT ANY CONSTRUCTION CONTROL DOCUMENTS THAT MAY BE REQUIRED BY GOVERNMENT AGENCIES AND LANDLORDS.
19. PERFORM ANTENNA AND COAX SWEEP TESTING AND MAKE ANY AND ALL NECESSARY CORRECTIONS.
20. REMAIN ON SITE MOBILIZED THROUGHOUT HAND-OFF AND INTEGRATION TO ASSIST AS NEEDED UNTIL SITE IS DEEMED SUBSTANTIALLY COMPLETE AND PLACED "ON AIR."

3.2 GENERAL REQUIREMENTS FOR CIVIL CONSTRUCTION:

- A. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS.
- B. EQUIPMENT ROOMS SHALL AT ALL TIMES BE MAINTAINED "BROOM CLEAN" AND CLEAR OF DEBRIS.
- C. CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO DISCOVER AND LOCATE ANY HAZARDOUS CONDITION.
 1. IN THE EVENT CONTRACTOR ENCOUNTERS ANY HAZARDOUS CONDITION WHICH HAS NOT BEEN ABATED OR OTHERWISE MITIGATED, CONTRACTOR AND ALL OTHER PERSONS SHALL IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND NOTIFY COMPANY IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT BE RESUMED EXCEPT BY WRITTEN NOTIFICATION BY COMPANY.
 2. CONTRACTOR AGREES TO USE CARE WHILE ON THE SITE AND SHALL NOT TAKE ANY ACTION THAT WILL OR MAY RESULT IN OR CAUSE THE HAZARDOUS CONDITION TO BE FURTHER RELEASED IN THE ENVIRONMENT, OR TO FURTHER EXPOSE INDIVIDUALS TO THE HAZARD.
- D. CONTRACTOR'S ACTIVITIES SHALL BE RESTRICTED TO THE PROJECT LIMITS. SHOULD AREAS OUTSIDE THE PROJECT LIMITS BE AFFECTED BY CONTRACTOR'S ACTIVITIES, CONTRACTOR SHALL IMMEDIATELY RETURN THEM TO ORIGINAL CONDITION
- E. CONDUCT TESTING AS REQUIRED HEREIN.

3.3 DELIVERABLES:

- A. CONTRACTOR SHALL REVIEW, APPROVE, AND SUBMIT TO SPRINT SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND SIMILAR SUBMITTALS AS REQUIRED HEREINAFTER
- B. PROVIDE DOCUMENTATION INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING. DOCUMENTATION SHALL BE FORWARDED IN ORIGINAL FORMAT AND/OR UPLOADED INTO SMS.
 1. ALL CORRESPONDENCE AND PRELIMINARY CONSTRUCTION REPORTS.
 2. PROJECT PROGRESS REPORTS.
 3. CIVIL CONSTRUCTION START DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
 4. ELECTRICAL SERVICE COMPLETION DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).

5. LINES AND ANTENNA INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
6. POWER INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
7. TELCO READY DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
8. PPC (OR SHELTER) INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
9. TOWER CONSTRUCTION START DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
10. TOWER CONSTRUCTION COMPLETE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
11. BTS AND RADIO EQUIPMENT DELIVERED AT SITE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
12. NETWORK OPERATIONS HANDOFF CHECKLIST (HOC WALK) COMPLETE (UPLOAD FORM IN SMS)
13. CIVIL CONSTRUCTION COMPLETE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
14. SITE CONSTRUCTION PROGRESS PHOTOS UNLOADED INTO SMS.

SECTION 01 400 - SUBMITTALS & TESTS

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
 - B. SPRINT STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HERewith.
- 1.3 SUBMITTALS:
 - A. THE WORK IN ALL ASPECTS SHALL COMPLY WITH THE CONSTRUCTION DRAWINGS AND THESE SPECIFICATIONS.
 - B. SUBMIT THE FOLLOWING TO COMPANY REPRESENTATIVE FOR APPROVAL.
 1. CONCRETE MIX-DESIGNS FOR TOWER FOUNDATIONS, ANCHORS PIERS, AND CONCRETE PAVING.
 2. CONCRETE BREAK TESTS AS SPECIFIED HEREIN.
 3. SPECIAL FINISHES FOR INTERIOR SPACES, IF ANY.
 4. ALL EQUIPMENT AND MATERIALS SO IDENTIFIED ON THE CONSTRUCTION DRAWINGS.
 5. CHEMICAL GROUNDING DESIGN
 - D. ALTERNATES: AT THE COMPANY'S REQUEST, ANY ALTERNATIVES TO THE MATERIALS OR METHODS SPECIFIED SHALL BE SUBMITTED TO SPRINT'S CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO BEING SHIPPED TO SITE. SPRINT WILL REVIEW AND APPROVE ONLY THOSE REQUESTS MADE IN WRITING. NO VERBAL APPROVALS WILL BE CONSIDERED. SUBMITTAL FOR APPROVAL SHALL INCLUDE A STATEMENT OF COST REDUCTION PROPOSED FOR USE OF ALTERNATE PRODUCT.

1.4 TESTS AND INSPECTIONS:

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.
- B. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 1. COAX SWEEPS AND FIBER TESTS PER TS-0200 REV 4 ANTENNA LINE ACCEPTANCE STANDARDS.
 2. AGL, AZIMUTH AND DOWNTILT USING ELECTRONIC COMMERCIAL MADE-FOR-THE-PURPOSE ANTENNA ALIGNMENT TOOL.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
- C. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
 1. AZIMUTH, DOWNTILT, AGL - UPLOAD REPORT FROM ANTENNA ALIGNMENT TOOL TO SITERRA TASK 465. INSTALLED AZIMUTH, DOWNTILT, AND AGL MUST CONFORM TO THE RF DATA SHEETS. SWEEP AND FIBER TESTS
 2. SCANABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT
 3. ALL AVAILABLE JURISDICTIONAL INFORMATION
 4. PDF SCAN OF REDLINES PRODUCED IN FIELD

5. ELECTRONIC AS-BUILT DRAWINGS IN AUTOCAD AND PDF FORMATS. ANY FIELD CHANGE MUST BE REFLECTED BY MODIFYING THE PLANS, ELEVATIONS, AND DETAILS IN THE DRAWING SETS. GENERAL NOTES INDICATING MODIFICATIONS WILL NOT BE ACCEPTED. CHANGES SHALL BE HIGHLIGHTED AS "CLOUDS" IDENTIFIED AS THE "AS-BUILT" CONDITION.
6. LIEN WAIVERS
7. FINAL PAYMENT APPLICATION
8. REQUIRED FINAL CONSTRUCTION PHOTOS
9. CONSTRUCTION AND COMMISSIONING CHECKLIST COMPLETE WITH NO DEFICIENT ITEMS
10. ALL POST NTP TASKS INCLUDING DOCUMENT UPLOADS COMPLETED IN SITERRA (SPRINTS DOCUMENT REPOSITORY OF RECORD).

1.5 COMMISSIONING: PERFORM ALL COMMISSIONING AS REQUIRED BY APPLICABLE MOPs

1.6 INTEGRATION: PERFORM ALL INTEGRATION ACTIVITIES AS REQUIRED BY APPLICABLE MOPs

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 REQUIREMENTS FOR TESTING:

A. THIRD PARTY TESTING AGENCY:

1. WHEN THE USE OF A THIRD PARTY INDEPENDENT TESTING AGENCY IS REQUIRED, THE AGENCY THAT IS SELECTED MUST PERFORM SUCH WORK ON A REGULAR BASIS IN THE STATE WHERE THE PROJECT IS LOCATED AND HAVE A THOROUGH UNDERSTANDING OF LOCAL AVAILABLE MATERIALS, INCLUDING THE SOIL, ROCK, AND GROUNDWATER CONDITIONS.
2. THE THIRD PARTY TESTING AGENCY IS TO BE FAMILIAR WITH THE APPLICABLE REQUIREMENTS FOR THE TESTS TO BE DONE, EQUIPMENT TO BE USED, AND ASSOCIATED HEALTH AND SAFETY ISSUES.
3. EXPERIENCE IN SOILS, CONCRETE, MASONRY, AGGREGATE, AND ASPHALT TESTING USING ASTM, AASHTO, AND OTHER METHODS IS NEEDED.
4. EXPERIENCE IN SOILS, CONCRETE, MASONRY, AGGREGATE, AND ASPHALT TESTING USING ASTM, AASHTO, AND OTHER METHODS IS NEEDED.

3.2 REQUIRED TESTS:

A. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. CONCRETE CYLINDER BREAK TESTS FOR THE TOWER AND ANCHOR FOUNDATIONS AS SPECIFIED IN SECTION: PORTLAND CEMENT CONCRETE PAVING.
2. ASPHALT ROADWAY COMPACTED THICKNESS, SURFACE SMOOTHNESS, AND COMPACTED DENSITY TESTING AS SPECIFIED IN SECTION: HOT MIX ASPHALT PAVING.
3. FIELD QUALITY CONTROL TESTING AS SPECIFIED IN SECTION: PORTLAND CEMENT CONCRETE PAVING.
4. TESTING REQUIRED UNDER SECTION: AGGREGATE BASE FOR ACCESS ROADS, PADS AND ANCHOR LOCATIONS
5. STRUCTURAL BACKFILL COMPACTION TESTS FOR THE TOWER FOUNDATION.
6. SITE RESISTANCE TO EARTH TESTING PER EXHIBIT: CELL SITE GROUNDING SYSTEM DESIGN.
7. ANTENNA AND COAX SWEEP TESTS PER EXHIBIT: ANTENNA TRANSMISSION LINE ACCEPTANCE STANDARDS.
8. GROUNDING AT ANTENNA MASTS FOR GPS AND ANTENNAS
9. ALL OTHER TESTS REQUIRED BY COMPANY OR JURISDICTION.

3.3 REQUIRED INSPECTIONS

A. SCHEDULE INSPECTIONS WITH COMPANY REPRESENTATIVE.

B. CONDUCT INSPECTIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. GROUNDING SYSTEM INSTALLATION PRIOR TO EARTH CONCEALMENT DOCUMENTED WITH DIGITAL PHOTOGRAPHS BY CONTRACTOR, APPROVED BY A&E OR SPRINT REPRESENTATIVE.
2. FORMING FOR CONCRETE AND REBAR PLACEMENT PRIOR TO POUR DOCUMENTED WITH DIGITAL PHOTOGRAPHS BY CONTRACTOR, APPROVED BY A&E OR SPRINT REPRESENTATIVE.
3. COMPACTION OF BACKFILL MATERIALS; AGGREGATE BASE FOR ROADS, PADS, AND ANCHORS; ASPHALT PAVING; AND SHAFT BACKFILL FOR CONCRETE AND WOOD POLES, BY INDEPENDENT THIRD PARTY AGENCY.
4. PRE- AND POST-CONSTRUCTION ROOFTOP AND STRUCTURAL INSPECTIONS ON EXISTING FACILITIES.
5. TOWER ERECTION SECTION STACKING AND PLATFORM ATTACHMENT DOCUMENTED BY DIGITAL PHOTOGRAPHS BY THIRD PARTY AGENCY.
6. ANTENNA AZIMUTH, DOWN TILT AND PER SUNLIGHT TOOL SUNSIGHT INSTRUMENTS - ANTENNA ALIGNMENT TOOL (AAT)

PLANS PREPARED FOR:



PLANS PREPARED BY:

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
1033 Watervliet Shaker Rd | Albany, NY 12205
Phone: 518-690-0790 | Fax: 518-690-0793
www.infinigy.com
JOB NUMBER 526-104

PROJECT MANAGER:

AIRSMITH
DEVELOPMENT
32 CLINTON ST.
SARATOGA SPRINGS, NY 12888
OFFICE: (518) 306-3740

ENGINEERING LICENSE:



DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:

DESCRIPTION	DATE	BY	REV.
ISSUED FOR PERMIT	05/17/18	ETC	0

SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

**139 MORRIS HUBBARD RD.
HIGGANUM, CT 06441**

SHEET DESCRIPTION:

SPRINT SPECIFICATIONS

SHEET NUMBER:

SP-2

CONTINUE FROM SP-2

7. VERIFICATION DOCUMENTED WITH THE ANTENNA CHECKLIST REPORT, BY A&E, SITE DEVELOPMENT REP, OR RF REP.
 8. FINAL INSPECTION CHECKLIST AND HANDOFF WALK (HOC.). SIGNED FORM SHOWING ACCEPTANCE BY FIELD OPS IS TO BE UPLOADED INTO SMS.
 9. COAX SWEEP AND FIBER TESTING DOCUMENTS SUBMITTED VIA SMS FOR RF APPROVAL.
 10. SCAN-ABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT
 11. ALL AVAILABLE JURISDICTIONAL INFORMATION
 12. PDF SCAN OF REDLINES PRODUCED IN FIELD
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
- D. CONSTRUCTION INSPECTIONS AND CORRECTIVE MEASURES SHALL BE DOCUMENTED BY THE CONTRACTOR WITH WRITTEN REPORTS AND PHOTOGRAPHS. PHOTOGRAPHS MUST BE DIGITAL AND OF SUFFICIENT QUALITY TO CLEARLY SHOW THE SITE CONSTRUCTION. PHOTOGRAPHS MUST CLEARLY IDENTIFY THE PHOTOGRAPHED ITEM AND BE LABELED WITH THE SITE CASCADE NUMBER, SITE NAME, DESCRIPTION, AND DATE.
- 3.4 DELIVERABLES: TEST AND INSPECTION REPORTS AND CLOSEOUT DOCUMENTATION SHALL BE UPLOADED TO THE SMS AND/OR FORWARDED TO SPRINT FOR INCLUSION INTO THE PERMANENT SITE FILES.
- A. THE FOLLOWING TEST AND INSPECTION REPORTS SHALL BE PROVIDED AS APPLICABLE.
1. CONCRETE MIX AND CYLINDER BREAK REPORTS.
 2. STRUCTURAL BACKFILL COMPACTION REPORTS.
 3. SITE RESISTANCE TO EARTH TEST.
 4. ANTENNA AZIMUTH AND DOWN TILT VERIFICATION
 5. TOWER ERECTION INSPECTIONS AND MEASUREMENTS DOCUMENTING TOWER INSTALLED PER SUPPLIER'S REQUIREMENTS AND THE APPLICABLE SECTIONS HEREIN.
 6. COAX CABLE SWEEP TESTS PER COMPANY'S "ANTENNA LINE ACCEPTANCE STANDARDS".
- B. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES THE FOLLOWING:
1. TEST WELLS AND TRENCHES: PHOTOGRAPHS OF ALL TEST WELLS; PHOTOGRAPHS SHOWING ALL OPEN EXCAVATIONS AND TRENCHING PRIOR TO BACKFILLING SHOWING A TAPE MEASURE VISIBLE IN THE EXCAVATIONS INDICATING DEPTH.
 2. CONDUITS, CONDUCTORS AND GROUNDING: PHOTOGRAPHS SHOWING TYPICAL INSTALLATION OF CONDUCTORS AND CONNECTORS; PHOTOGRAPHS SHOWING TYPICAL BEND RADIUS OF INSTALLED GROUND WIRES AND GROUND ROD SPACING;
 3. CONCRETE FORMS AND REINFORCING: CONCRETE FORMING AT TOWER AND EQUIPMENT/SHELTER PAD/FOUNDATIONS - PHOTOGRAPHS SHOWING ALL REINFORCING STEEL, UTILITY AND CONDUIT STUB OUTS; PHOTOGRAPHS SHOWING CONCRETE POUR OF SHELTER SLAB/FOUNDATION, TOWER FOUNDATION AND GUY ANCHORS WITH VIBRATOR IN USE; PHOTOGRAPHS SHOWING EACH ANCHOR ON GUYED TOWERS, BEFORE CONCRETE POUR.
 4. TOWER, ANTENNAS AND MAINLINE: INSPECTION AND PHOTOGRAPHS OF SECTION STACKING; INSPECTION AND PHOTOGRAPHS OF PLATFORM COMPONENT ATTACHMENT POINTS; PHOTOGRAPHS OF TOWER TOP GROUNDING; PHOTOS OF TOWER COAX LINE COLOR CODING AT THE TOP AND AT GROUND LEVEL; INSPECTION AND PHOTOGRAPHS OF OPERATIONAL OF TOWER LIGHTING, AND PLACEMENT OF FAA REGISTRATION SIGN; PHOTOGRAPHS SHOWING ADDITIONAL GROUNDING POINTS FOR TOWERS GREATER THAN 200 FEET.; PHOTOS OF ANTENNA GROUND BAR, EQUIPMENT GROUND BAR, AND MASTER GROUND BAR; PHOTOS OF GPS ANTENNA(S); PHOTOS OF EACH SECTOR OF ANTENNAS; ONE PHOTOGRAPH LOOKING AT THE SECTOR AND ONE FROM BEHIND SHOWING THE PROJECTED COVERAGE AREA; PHOTOS OF COAX WEATHERPROOFING - TOP AND BOTTOM; PHOTOS OF COAX GROUNDING--TOP AND BOTTOM; PHOTOS OF ANTENNA AND MAST GROUNDING; PHOTOS OF COAX CABLE ENTRY INTO SHELTER; PHOTOS OF PLATFORM MECHANICAL CONNECTIONS TO TOWER/MONOPOLE.
 5. ROOF TOPS: PRE-CONSTRUCTION AND POST-CONSTRUCTION VISUAL INSPECTION AND PHOTOGRAPHS OF THE ROOF AND INTERIOR TO DETERMINE AND DOCUMENT CONDITIONS; ROOF TOP CONSTRUCTION INSPECTIONS AS REQUIRED BY THE JURISDICTION; PHOTOGRAPHS OF CABLE TRAY AND/OR ICE BRIDGE; PHOTOGRAPHS OF DOGHOUSE/CABLE EXIT FROM ROOF;
 6. SITE LAYOUT - PHOTOGRAPHS OF THE OVERALL COMPOUND, INCLUDING EQUIPMENT PLATFORM FROM ALL FOUR CORNERS.
 7. FINISHED UTILITIES: CLOSE-UP PHOTOGRAPHS OF THE PPC BREAKER PANEL; CLOSE-UP PHOTOGRAPH OF THE INSIDE OF THE TELCO PANEL AND NIU; CLOSE-UP PHOTOGRAPH OF THE POWER METER AND DISCONNECT; PHOTOS OF POWER AND TELCO ENTRANCE TO COMPANY ENCLOSURE; PHOTOGRAPHS AT METER BOX AND/OR FACILITY DISTRIBUTION PANEL.
 8. REQUIRED MATERIALS CERTIFICATIONS: CONCRETE MIX DESIGNS; MILL CERTIFICATION FOR ALL REINFORCING AND STRUCTURAL STEEL; AND ASPHALT PAVING MIX DESIGN.
 9. ANY AND ALL SUBMITTALS BY THE JURISDICTION OR COMPANY.

SECTION 01 400 - SUBMITTALS & TESTS

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
 - B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

- 3.1 WEEKLY REPORTS:
 - A. CONTRACTOR SHALL PROVIDE SPRINT WITH WEEKLY REPORTS SHOWING PROJECT STATUS. THIS STATUS REPORT FORMAT WILL BE PROVIDED TO THE CONTRACTOR BY SPRINT. THE REPORT WILL CONTAIN SITE ID NUMBER, THE MILESTONES FOR EACH SITE, INCLUDING THE BASELINE DATE, ESTIMATED COMPLETION DATE AND ACTUAL COMPLETION DATE.
 - B. REPORT INFORMATION WILL BE TRANSMITTED TO SPRINT VIA ELECTRONIC MEANS AS REQUIRED. THIS INFORMATION WILL PROVIDE A BASIS FOR PROGRESS MONITORING AND PAYMENT.
- 3.2 PROJECT CONFERENCE CALLS:
 - A. SPRINT MAY HOLD WEEKLY PROJECT CONFERENCE CALLS. CONTRACTOR WILL BE REQUIRED TO COMMUNICATE SITE STATUS, MILESTONE COMPLETIONS AND UPCOMING MILESTONE PROJECTIONS, AND ANSWER ANY OTHER SITE STATUS QUESTIONS AS NECESSARY.
- 3.3 PROJECT TRACKING IN SMS:
 - A. CONTRACTOR SHALL PROVIDE SCHEDULE UPDATES AND PROJECTIONS IN THE SMS SYSTEM ON A WEEKLY BASIS.
- 3.4 ADDITIONAL REPORTING:
 - A. ADDITIONAL OR ALTERNATE REPORTING REQUIREMENTS MAY BE ADDED TO THE REPORT AS DETERMINED TO BE REASONABLY NECESSARY BY COMPANY.
- 3.5 PROJECT PHOTOGRAPHS:
 - A. FILE DIGITAL PHOTOGRAPHS OF COMPLETED SITE IN JPEG FORMAT IN THE SMS PHOTO LIBRARY FOR THE RESPECTIVE SITE. PHOTOGRAPHS SHALL BE CLEARLY LABELED WITH SITE NUMBER, NAME AND DESCRIPTION, AND SHALL INCLUDE AT A MINIMUM THE FOLLOWING AS APPLICABLE:
 1. SHELTER AND TOWER OVERVIEW.
 2. TOWER FOUNDATION(S) - FORMS AND STEEL BEFORE POUR (EACH ANCHOR ON GUYED TOWERS).
 3. TOWER FOUNDATION(S) POUR WITH VIBRATOR IN USE (EACH ANCHOR ON GUYED TOWERS).
 4. TOWER STEEL AS BEING INSTALLED INTO HOLE (SHOW ANCHOR STEEL ON GUYED TOWERS).
 5. PHOTOS OF TOWER SECTION STACKING.
 6. CONCRETE TESTING / SAMPLES.
 7. PLACING OF ANCHOR BOLTS IN TOWER FOUNDATION.
 8. BUILDING/WATER TANK FROM ROAD FOR TENANT IMPROVEMENTS OR COMMENTS.
 9. SHELTER FOUNDATION--FORMS AND STEEL BEFORE POURING.
 10. SHELTER FOUNDATION POUR WITH VIBRATOR IN USE.
 11. COAX CABLE ENTRY INTO SHELTER.
 12. PLATFORM MECHANICAL CONNECTIONS TO TOWER/MONOPOLE.
 13. ROOFTOP PRE AND POST CONSTRUCTION PHOTOS TO INCLUDE PENETRATIONS AND INTERIOR CEILING.
 14. PHOTOS OF TOWER TOP COAX LINE COLOR CODING AND COLOR CODING AT GROUND LEVEL.
 15. PHOTOS OF ALL APPROPRIATE COMPANY OR REGULATORY SIGNAGE.
 16. PHOTOS OF EQUIPMENT BOLT DOWN INSIDE SHELTER.
 17. POWER AND TELCO ENTRANCE TO COMPANY ENCLOSURE AND POWER AND TELCO SUPPLY LOCATIONS INCLUDING METER/DISCONNECT.
 18. ELECTRICAL TRENCH(S) WITH ELECTRICAL / CONDUIT BEFORE BACKFILL.
 19. ELECTRICAL TRENCH(S) WITH FOIL-BACKED TAPE BEFORE FURTHER BACKFILL.
 20. TELCO TRENCH WITH TELEPHONE / CONDUIT BEFORE BACKFILL.
 21. TELCO TRENCH WITH FOIL-BACKED TAPE BEFORE FURTHER BACKFILL.
 22. SHELTER GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADI).
 23. TOWER GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADI).

24. FENCE GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADI).
 25. ALL BTS GROUND CONNECTIONS.
 26. ALL GROUND TEST WELLS.
 27. ANTENNA GROUND BAR AND EQUIPMENT GROUND BAR.
 28. ADDITIONAL GROUNDING POINTS ON TOWERS ABOVE 200'.
 29. HVAC UNITS INCLUDING CONDENSERS ON SPLIT SYSTEMS.
 30. GPS ANTENNAS.
 31. CABLE TRAY AND/OR WAVEGUIDE BRIDGE.
 32. DOGHOUSE/CABLE EXIT FROM ROOF.
 33. EACH SECTOR OF ANTENNAS; ONE PHOTOGRAPH LOOKING AT THE SECTOR AND ONE FROM BEHIND SHOWING THE PROJECTED COVERAGE AREA.
 34. MASTER BUS BAR.
 35. TELCO BOARD AND NIU.
 36. ELECTRICAL DISTRIBUTION WALL.
 37. CABLE ENTRY WITH SURGE SUPPRESSION.
 38. ENTRANCE TO EQUIPMENT ROOM.
 39. COAX WEATHERPROOFING--TOP AND BOTTOM OF TOWER.
 40. COAX GROUNDING --TOP AND BOTTOM OF TOWER.
 41. ANTENNA AND MAST GROUNDING.
 42. LANDSCAPING - WHERE APPLICABLE.
- 3.6 FINAL PROJECT ACCEPTANCE: COMPLETE ALL REQUIRED REPORTING TASKS PER CONTRACT, CONTRACT DOCUMENTS OR THE SPRINT INTEGRATED CONSTRUCTION STANDARDS FOR WIRELESS SITES AND UPLOAD INTO SITERRA.

PLANS PREPARED FOR:



PLANS PREPARED BY:

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
1033 Watervliet Shaker Rd | Albany, NY 12205
Phone: 518-690-0790 | Fax: 518-690-0793
www.infinigy.com
JOB NUMBER 526-104

PROJECT MANAGER:

AIRSMITH
DEVELOPMENT
32 CLINTON ST.
SARATOGA SPRINGS, NY 12866
OFFICE: (518) 306-3740

ENGINEERING LICENSE:



DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR PERMIT		05/17/18	ETC	0

SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

**139 MORRIS HUBBARD RD.
HIGGANUM, CT 06441**

SHEET DESCRIPTION:

SPRINT SPECIFICATIONS

SHEET NUMBER:

SP-3

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:	DESCRIPTION	DATE	BY	REV.
ISSUED FOR PERMIT		05/17/18	ETC	0

SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

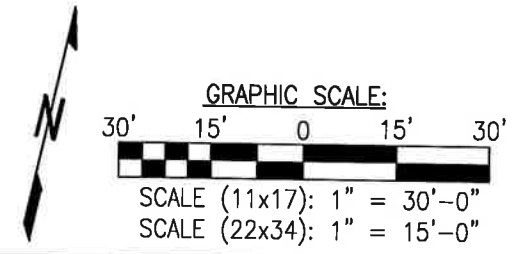
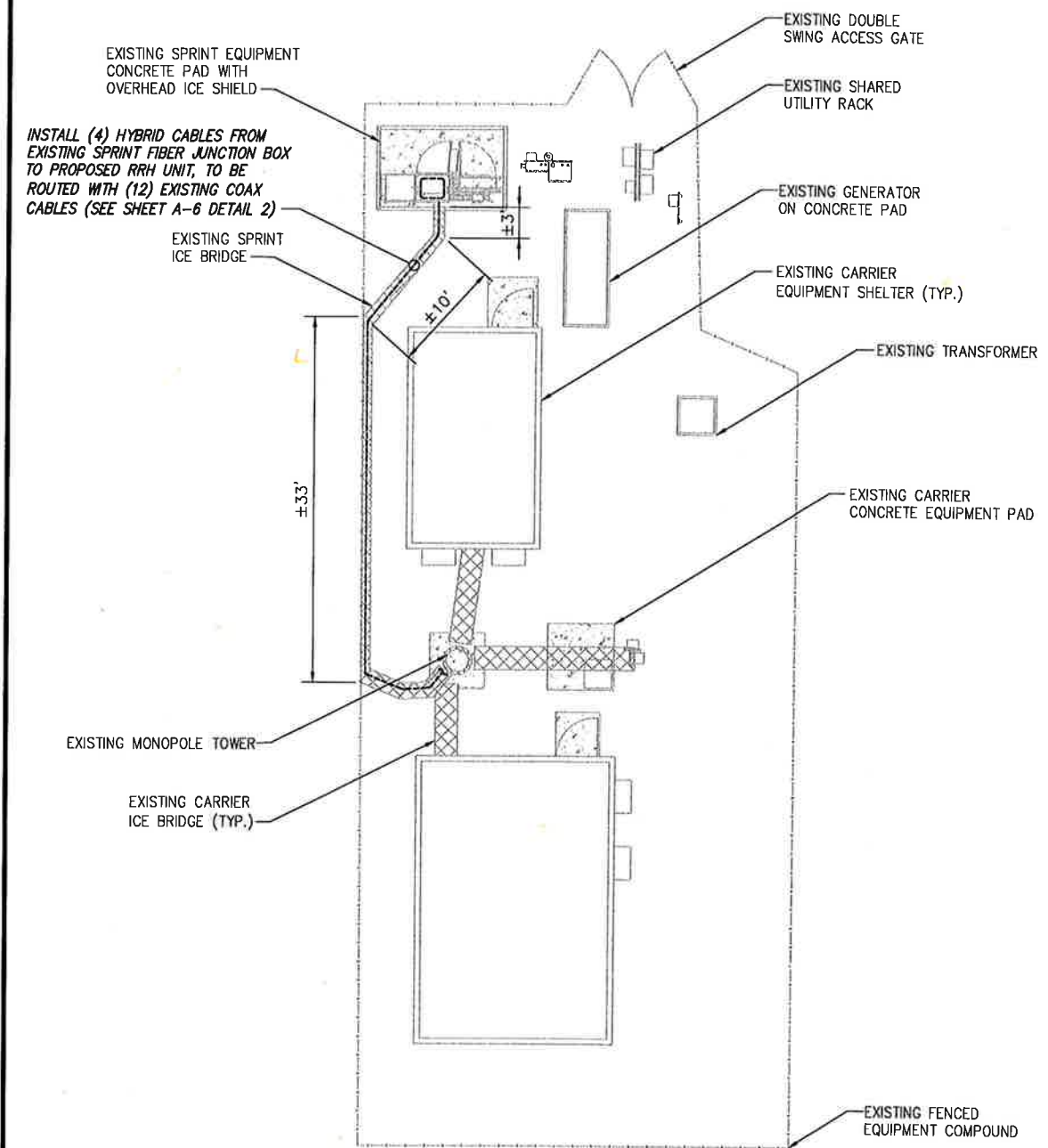
**139 MORRIS HUBBARD RD.
HIGGANUM, CT 06441**

SHEET DESCRIPTION:

SITE PLAN

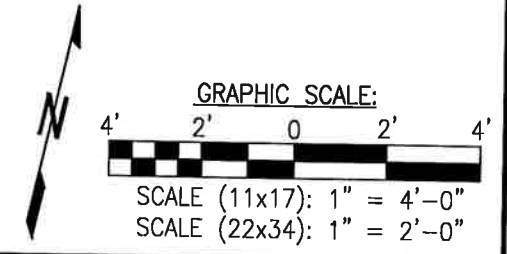
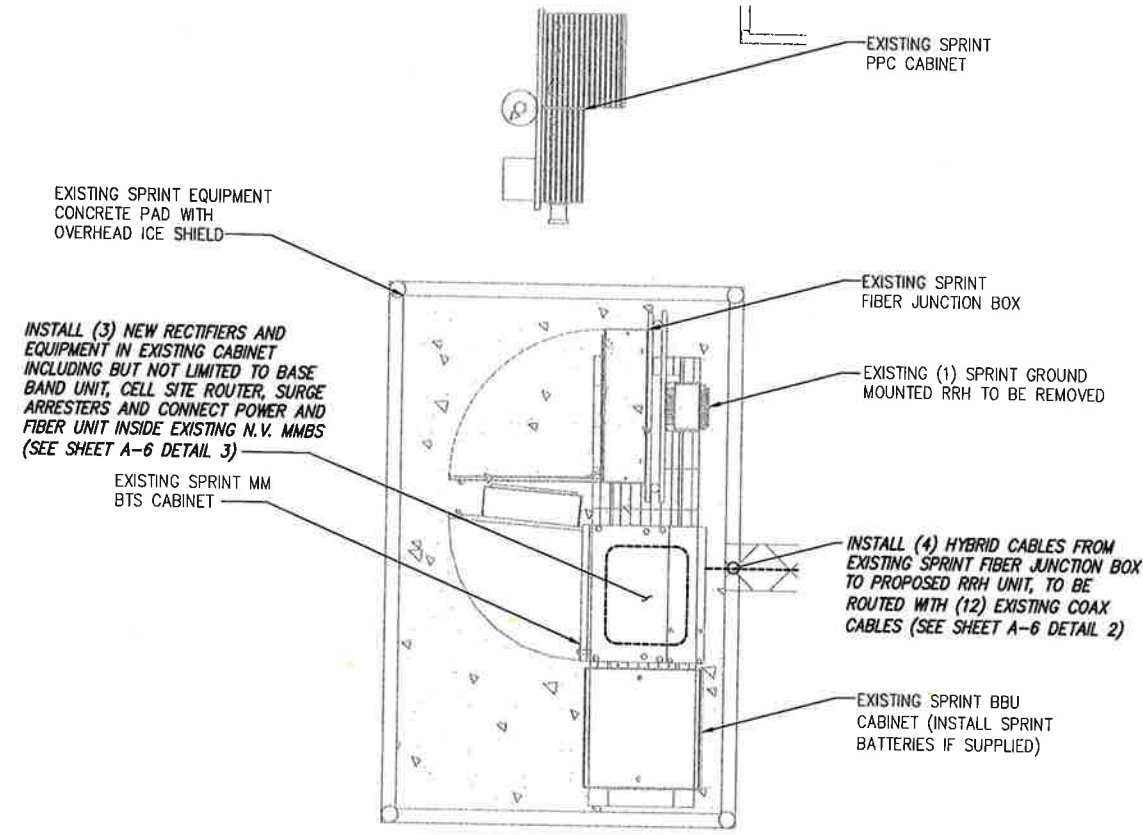
SHEET NUMBER:

A-1



INFORMATION CONTAINED WITHIN DRAWINGS ARE BASED ON PROVIDED INFORMATION AND ARE NOT THE RESULT OF A FIELD SURVEY.

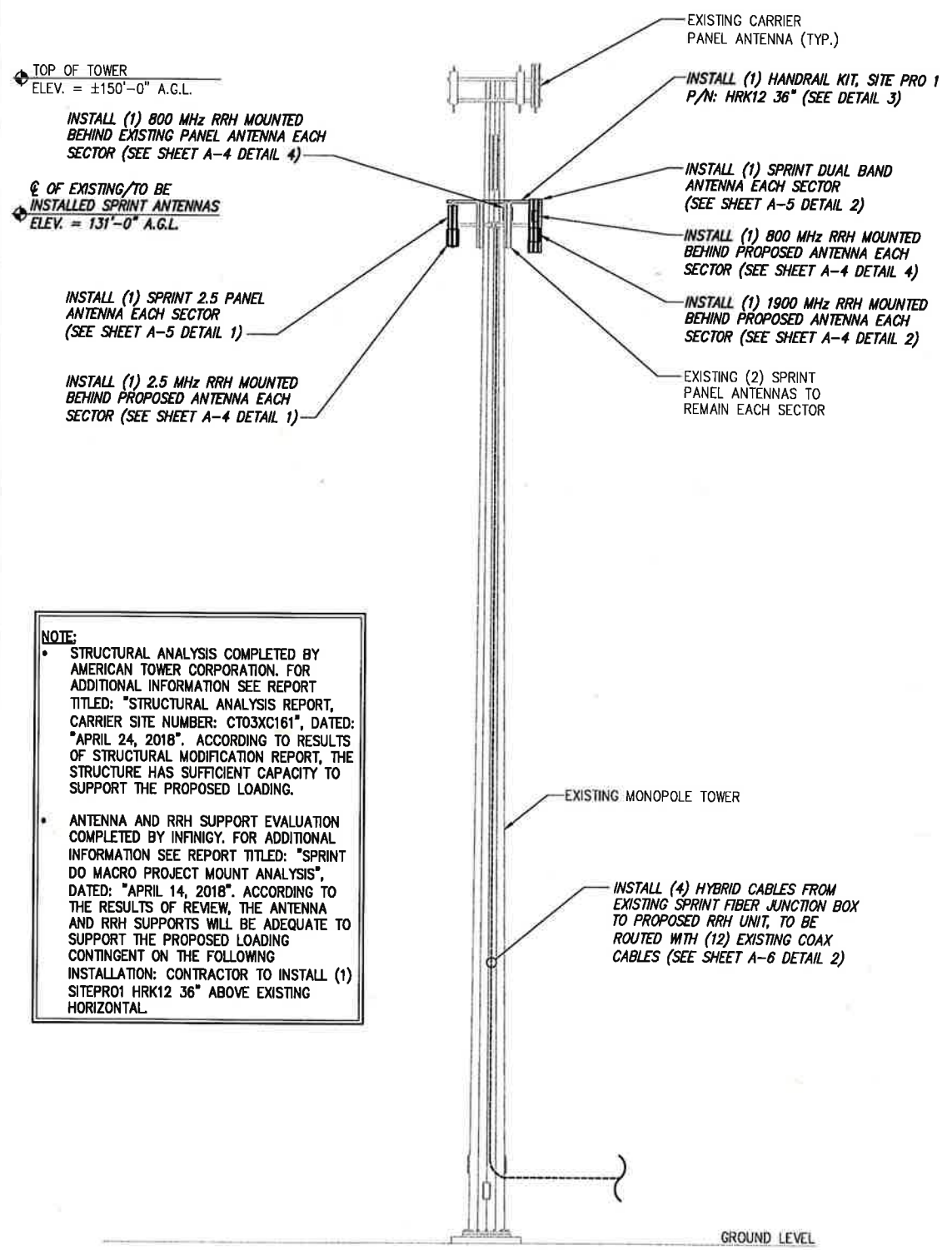
OVERALL SITE PLAN SCALE: AS NOTED 1



SPRINT EQUIPMENT PLAN SCALE: AS NOTED 2

NOTE:
 INFINIGY ENGINEERING HAS NOT EVALUATED THE EXISTING STRUCTURE FOR THIS SITE, AND ASSUMES NO RESPONSIBILITY FOR ITS STRUCTURAL INTEGRITY. REFER TO STRUCTURAL ANALYSIS BY OTHERS PRIOR TO ANY CONSTRUCTION.

NOTE:
 SEE DETAIL 2 ON A-3 FOR ANTENNA LAYOUT



NOTE:

- STRUCTURAL ANALYSIS COMPLETED BY AMERICAN TOWER CORPORATION. FOR ADDITIONAL INFORMATION SEE REPORT TITLED: "STRUCTURAL ANALYSIS REPORT, CARRIER SITE NUMBER: CT03XC161", DATED: "APRIL 24, 2018". ACCORDING TO RESULTS OF STRUCTURAL MODIFICATION REPORT, THE STRUCTURE HAS SUFFICIENT CAPACITY TO SUPPORT THE PROPOSED LOADING.
- ANTENNA AND RRH SUPPORT EVALUATION COMPLETED BY INFINIGY. FOR ADDITIONAL INFORMATION SEE REPORT TITLED: "SPRINT DO MACRO PROJECT MOUNT ANALYSIS", DATED: "APRIL 14, 2018". ACCORDING TO THE RESULTS OF REVIEW, THE ANTENNA AND RRH SUPPORTS WILL BE ADEQUATE TO SUPPORT THE PROPOSED LOADING CONTINGENT ON THE FOLLOWING INSTALLATION: CONTRACTOR TO INSTALL (1) SITEPRO1 HRK12 36" ABOVE EXISTING HORIZONTAL.

TOWER ELEVATION

NO SCALE 1

SITE LOADING CHART										
SECTOR	EXISTING/PROPOSED	ANTENNA MODEL #	VENDOR	AZIMUTH	QTY.	REMAIN/REMOVED	RRH (QTY/MODEL)	CABLE	CABLE LENGTH	RAD CENTER
ALPHA	PROPOSED	APXVTM14-ALU-120	RFS	340°	1	-	(2) 800 MHz 2X50W RRH W/ FILTER	SEE SHEET A-5 DETAIL 1	±203*	±131' AGL
	PROPOSED	NNVV-65B-R4	COMMSCOPE	340°	1	-	(1) TD-RRH8X20-25 W/ SOLAR SHIELD	SEE SHEET A-5 DETAIL 1		
	EXISTING	DBB44H90E-XY	DECIBEL	350°	2	REMOVE	(1) 1900 MHz 4X45 RRH	EXISTING COAX		
BETA	PROPOSED	APXVTM14-ALU-120	RFS	120°	1	-	(2) 800 MHz 2X50W RRH W/ FILTER	SEE SHEET A-5 DETAIL 1	±203*	±131' AGL
	PROPOSED	NNVV-65B-R4	COMMSCOPE	120°	1	-	(1) TD-RRH8X20-25 W/ SOLAR SHIELD	SEE SHEET A-5 DETAIL 1		
	EXISTING	DBB44H90E-XY	DECIBEL	1200°	2	REMOVE	(1) 1900 MHz 4X45 RRH	EXISTING COAX		
GAMMA	PROPOSED	APXVTM14-ALU-120	RFS	220°	1	-	(2) 800 MHz 2X50W RRH W/ FILTER	SEE SHEET A-5 DETAIL 1	±203*	±131' AGL
	PROPOSED	NNVV-65B-R4	COMMSCOPE	220°	1	-	(1) TD-RRH8X20-25 W/ SOLAR SHIELD	SEE SHEET A-5 DETAIL 1		
	EXISTING	DBB44H90E-XY	DECIBEL	240°	2	REMOVE	(1) 1900 MHz 4X45 RRH	EXISTING COAX		

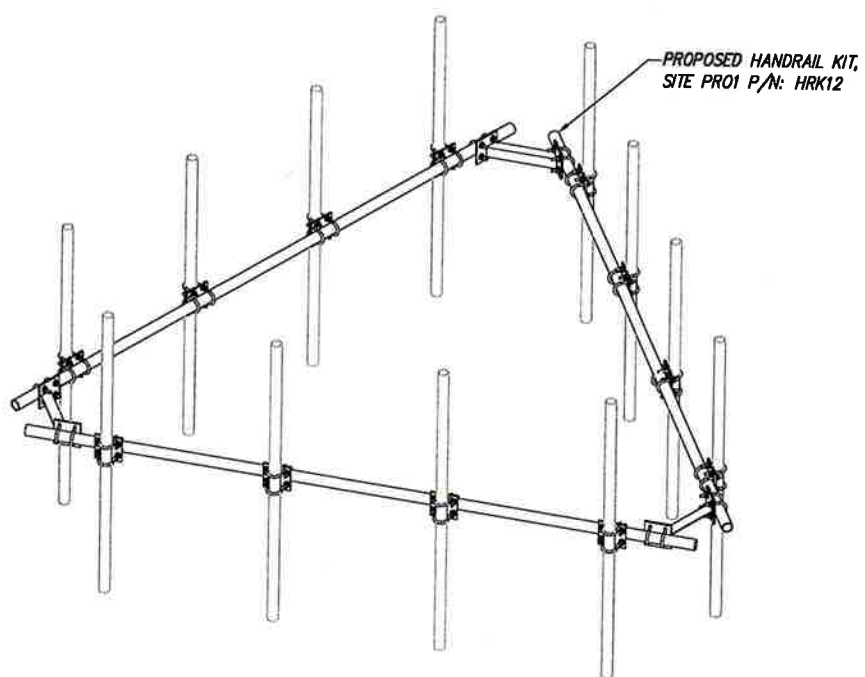
PROJECT SCOPE:

INSTALL: (6) PANEL ANTENNAS AND (12) RRH'S REMOVE: (6) PANEL ANTENNAS

* PROPOSED CABLE LENGTH WAS DETERMINED USING THE SUM OF THE RAD CENTER OF ANTENNAS, AND DISTANCE FROM EXISTING EQUIPMENT AREA TO TOWER BASE WITH AN ADDITIONAL 20' BUFFER. LENGTH TO BE VERIFIED IN FIELD PRIOR TO ORDERING MATERIALS.

SITE LOADING CHART

NO SCALE 2



HANDRAIL KIT DETAIL

NO SCALE 2



PLANS PREPARED BY:
INFINIGY
 FROM ZERO TO INFINIGY
 the solutions are endless
 1033 Watervliet Shaker Rd | Albany, NY 12205
 Phone: 518-690-0790 | Fax: 518-690-0793
 www.infinigy.com
 JOB NUMBER 526-104

PROJECT MANAGER:
AIRSMITH DEVELOPMENT
 32 CLINTON ST.
 SARATOGA SPRINGS, NY 12888
 OFFICE# (518) 506-3740



DRAWING NOTICE:
 THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:	DESCRIPTION	DATE	BY	REV.

ISSUED FOR PERMIT: 05/17/18 ETC 0

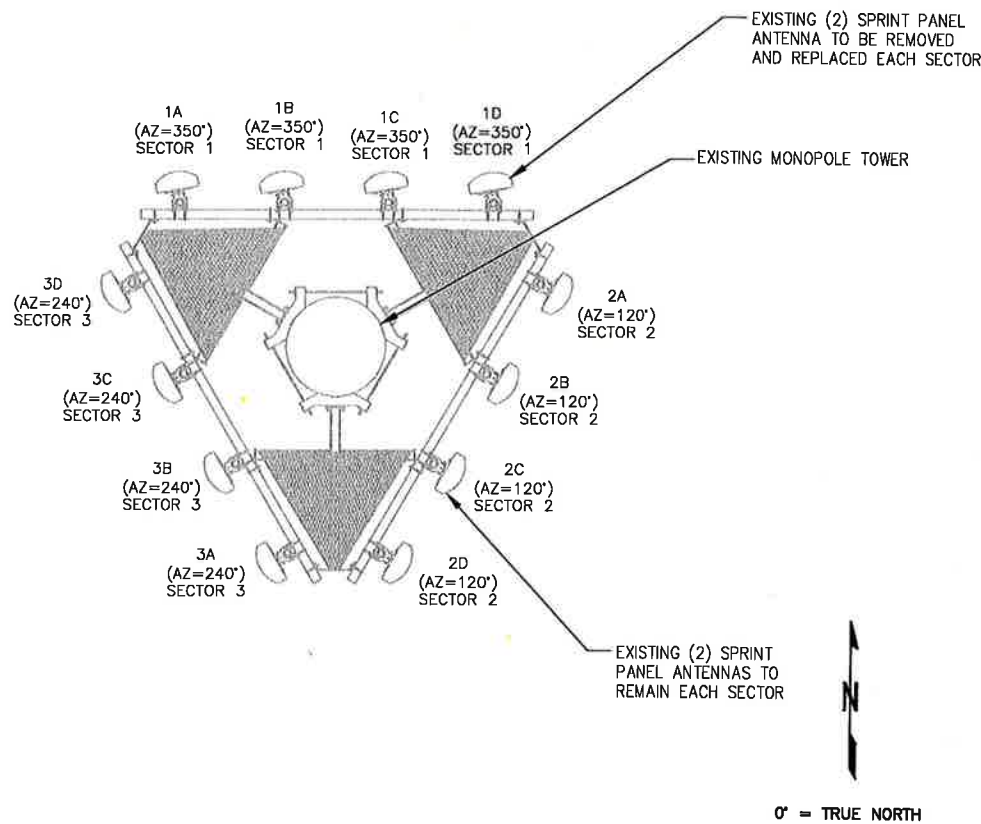
SITE NAME:
SNET - HIGGANUM

SITE NUMBER:
CT03XC161

SITE ADDRESS:
 139 MORRIS HUBBARD RD.
 HIGGANUM, CT 06441

SHEET DESCRIPTION:
TOWER ELEVATION

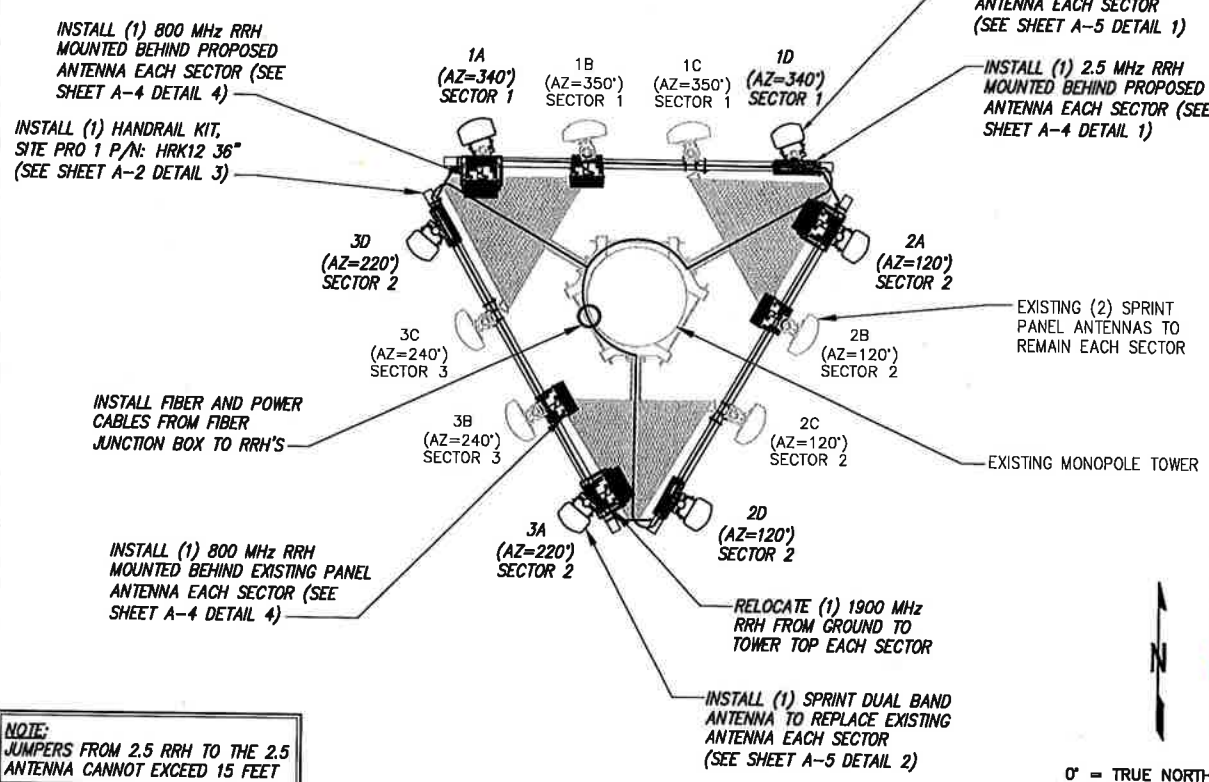
SHEET NUMBER:
A-2



EXISTING ANTENNA LAYOUT

NO SCALE 1

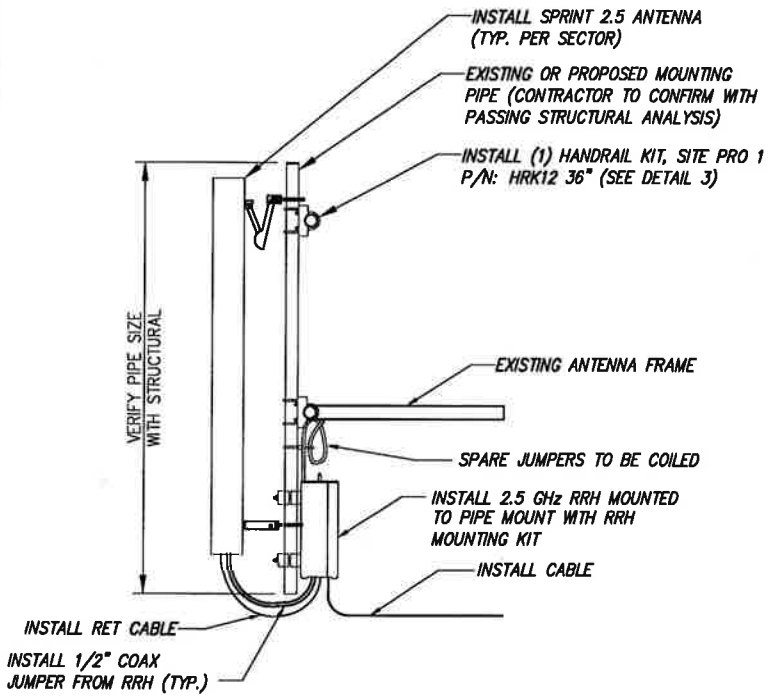
THE CONFIGURATION PLANS ARE BASED ON PROVIDED INFORMATION AND ARE FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO CONSTRUCTION.



FINAL ANTENNA & RRH LAYOUT

NO SCALE 2

NOTE: JUMPERS FROM 2.5 RRH TO THE 2.5 ANTENNA CANNOT EXCEED 15 FEET



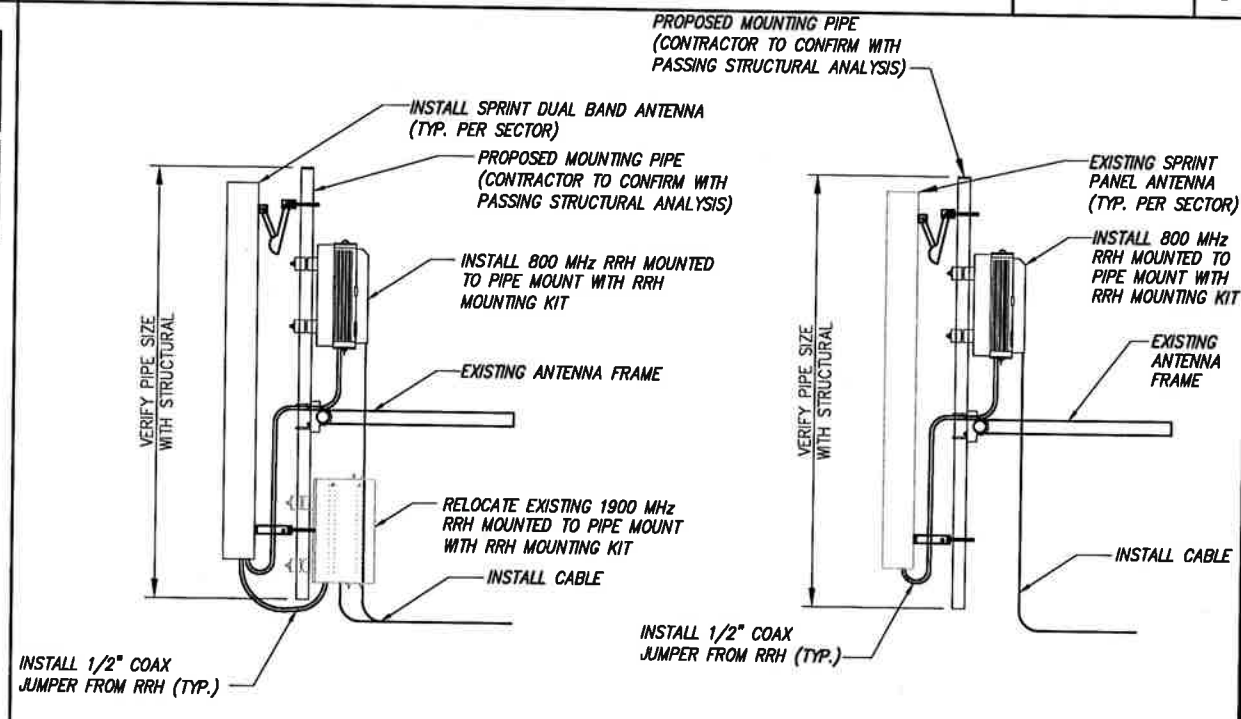
TYPICAL 2.5 ANTENNA & RRH MOUNTING DETAILS

NO SCALE 3

NOTE: CONTRACTOR TO POSITION RRH ON MOUNT BEHIND ANTENNA SUCH THAT THE RRH DOES NOT INTERFERE WITH THE EXISTING PLATFORM/T-ARM MOUNTING HARDWARE.

NOTE: THE DIAGRAM IS FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR IS TO REFER TO PASSING STRUCTURAL ANALYSIS FOR ANTENNA AND RRH MOUNTING DETAILS.

- NOTES:
- CUT DC CONDUCTORS TO LENGTH.
 - COIL FIBER CABLE AND SECURE AT SIDE OF RRH.
 - DO NOT EXCEED BEND RADIUS.



TYPICAL DUAL BAND ANTENNA & RRH MOUNTING DETAILS

NO SCALE 4

NOTE: CONTRACTOR TO POSITION RRH ON MOUNT BEHIND ANTENNA SUCH THAT THE RRH DOES NOT INTERFERE WITH THE EXISTING PLATFORM/T-ARM MOUNTING HARDWARE.

NOTE: THE DIAGRAM IS FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR IS TO REFER TO PASSING STRUCTURAL ANALYSIS FOR ANTENNA AND RRH MOUNTING DETAILS.

- NOTES:
- CUT DC CONDUCTORS TO LENGTH.
 - COIL FIBER CABLE AND SECURE AT SIDE OF RRH.
 - DO NOT EXCEED BEND RADIUS.

PLANS PREPARED FOR:



PLANS PREPARED BY:
INFINIGY
 FROM ZERO TO INFINIGY
 the solutions are endless
 1033 Watervliet Shaker Rd | Albany, NY 12205
 Phone: 518-690-0790 | Fax: 518-690-0793
 www.infinigy.com
 JOB NUMBER 526-104

PROJECT MANAGER:
AIROSMITH
 DEVELOPMENT
 32 CLINTON ST.
 SARATOGA SPRINGS, NY 12866
 OFFICE# (518) 306-3740



DRAWING NOTICE:
 THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR PERMIT		05/17/18	ETC	0

SITE NAME:
SNET - HIGGANUM

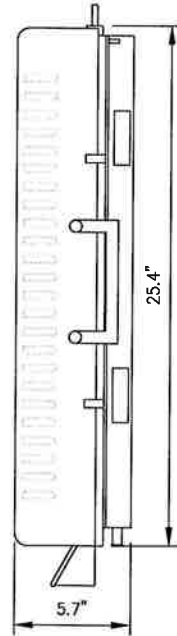
SITE NUMBER:
CT03XC161

SITE ADDRESS:
 139 MORRIS HUBBARD RD.
 HIGGANUM, CT 06441

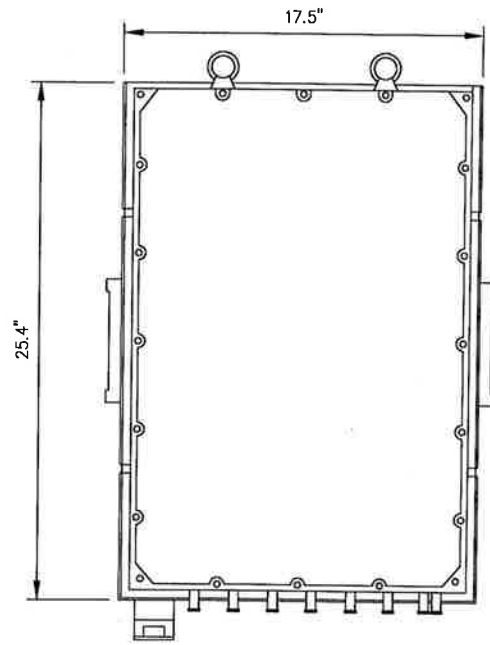
SHEET DESCRIPTION:
ANTENNA LAYOUT & MOUNTING DETAILS

SHEET NUMBER:
A-3

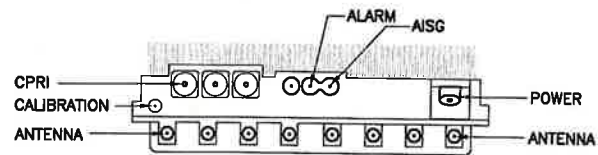
RRH: ALCATEL LUCENT TD-RRH8X20
 COLOR: LIGHT GREY
 WEIGHT: 70 LBS.



SIDE VIEW



FRONT VIEW



PLAN VIEW

NOTES

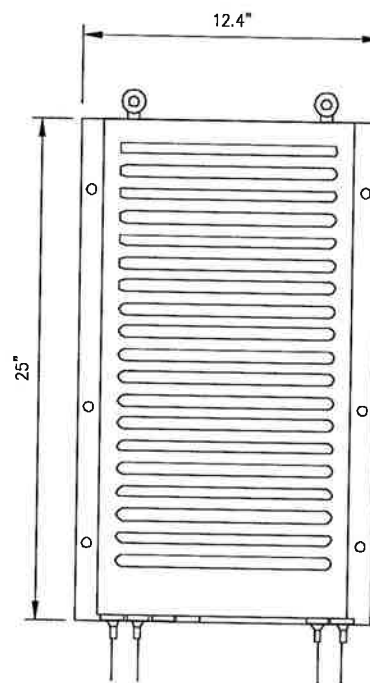
COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRH'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRH PACKAGES IN THE RAIN.

2.5 GHz RRH

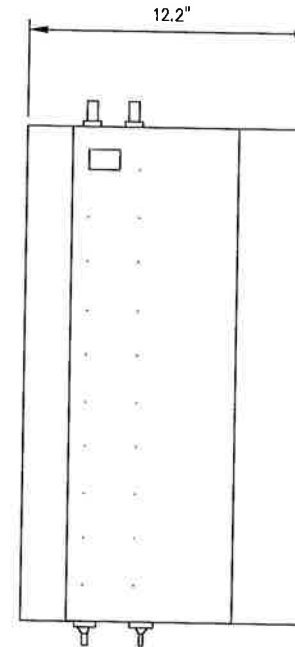
NO SCALE

1

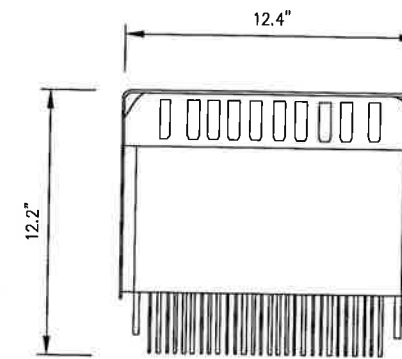
RRH: ALCATEL LUCENT 1900 MHz
 COLOR: LIGHT GREY
 WEIGHT: 70 LBS.
 (INCLUDING OPTIONAL SOLAR SHIELD)



FRONT VIEW



SIDE VIEW



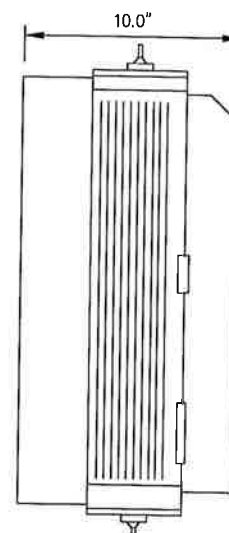
TOP VIEW

EXISTING 1900 MHz RRH

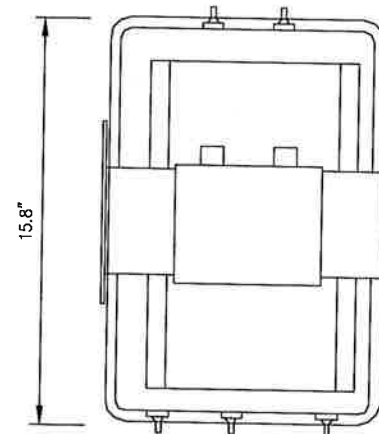
NO SCALE

2

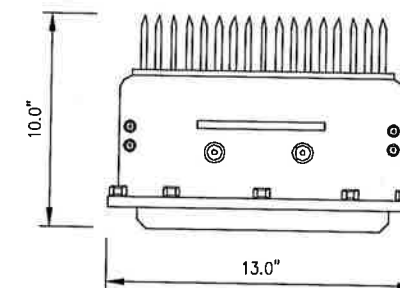
RRH: ALCATEL LUCENT RRH 800 MHz 2x50W
 COLOR: LIGHT GREY
 WEIGHT: 53 LBS.



SIDE VIEW



FRONT VIEW



PLAN VIEW

NOTES

COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRH'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRH PACKAGES IN THE RAIN.

DETAIL NOT USED

NO SCALE

3

800 MHz RRH

NO SCALE

4

PLANS PREPARED FOR:



PLANS PREPARED BY:

INFINIGY
 FROM ZERO TO INFINIGY
 the solutions are endless
 1033 Watervliet Shaker Rd | Albany, NY 12205
 Phone: 518-690-0790 | Fax: 518-690-0793
 www.infinigy.com
 JOB NUMBER 526-104

PROJECT MANAGER:

AIRSMITH
 DEVELOPMENT
 32 CLINTON ST.
 SARATOGA SPRINGS, NY 12868
 OFFICE# (518) 308-3740

ENGINEERING LICENSE:



DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR PERMIT	05/17/18	ETC	0

SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

139 MORRIS HUBBARD RD.
 HIGGANUM, CT 06441

SHEET DESCRIPTION:

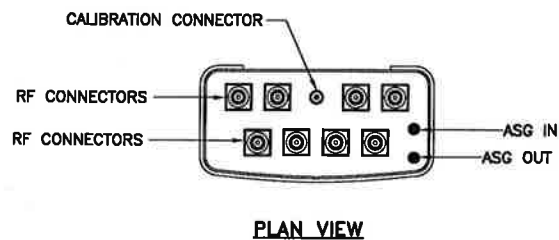
EQUIPMENT &
 MOUNTING DETAILS

SHEET NUMBER:

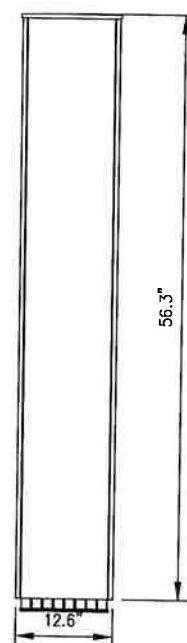
A-4

ANTENNA RFS APXVTM14-ALU-I20

RADOME MATERIAL: ASA
 RADOME COLOR: LIGHT GREY
 DIMENSIONS, HxWxD.in(mlm): 56.3"x12.6"x6.3" (1549x439x300mm)
 WEIGHT: 56.2 lbs
 CONNECTORS: (8) 4.1/9.5 DIN FEMALE
 (1) NF - CALIBRATION CONNECTOR



SIDE VIEW



FRONT VIEW

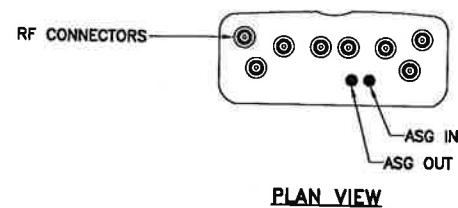
2.5 ANTENNA DETAIL

NO SCALE

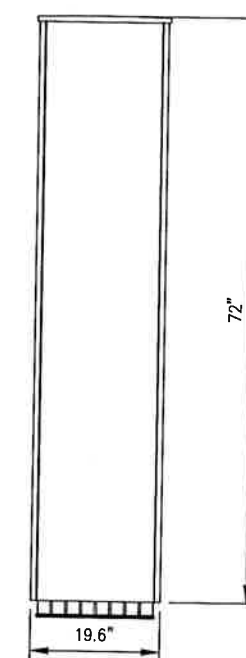
1

ANTENNA COMMSCOPE NNVV-65B-R4

RADOME MATERIAL: FIBERGLASS
 RADOME COLOR: LIGHT GREY
 DIMENSIONS, HxWxD.in(mlm): 72"x19.6"x7.8" (1829x498x198mm)
 WEIGHT: 77.4 lbs
 CONNECTORS: (8) PIN DIN FEMALE
 (8) 8 PIN DIN MALE



SIDE VIEW



FRONT VIEW

DUAL BAND ANTENNA DETAIL

NO SCALE

2

DETAIL NOT USED

NO SCALE

3

DETAIL NOT USED

NO SCALE

4

PLANS PREPARED FOR:



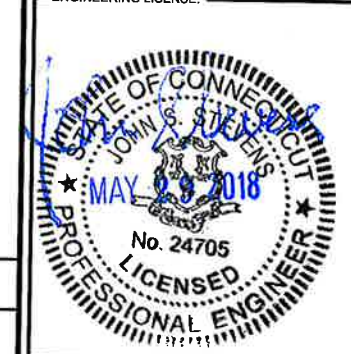
PLANS PREPARED BY:

INFINIGY
 FROM ZERO TO INFINIGY
 the solutions are endless
 1033 Watervliet Shaker Rd | Albany, NY 12203
 Phone: 518-690-0790 | Fax: 518-690-0793
 www.infinigy.com
 JOB NUMBER 526-104

PROJECT MANAGER:

AIRSMITH
 DEVELOPMENT
 32 CLINTON ST.
 SARATOGA SPRINGS, NY 12088
 OFFICE# (518) 306-3740

ENGINEERING LICENSE:



DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:

DESCRIPTION	DATE	BY	REV.
ISSUED FOR PERMIT	05/17/18	ETC	0

SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

139 MORRIS HUBBARD RD.
 HIGGANUM, CT 06441

SHEET DESCRIPTION:

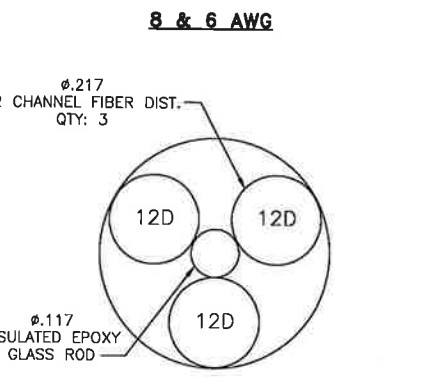
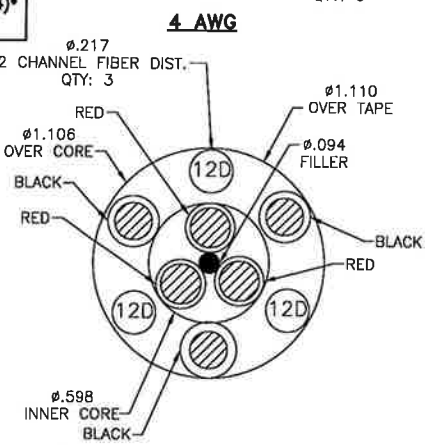
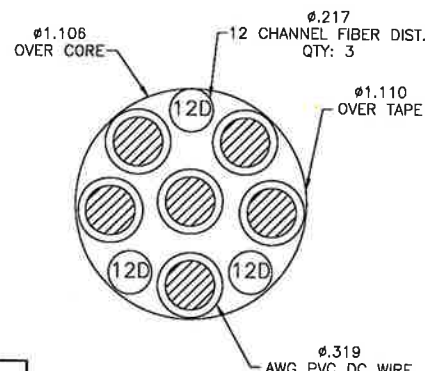
EQUIPMENT &
 MOUNTING DETAILS

SHEET NUMBER:

A-5

RFS HYBRIFLEX RISER CABLE SCHEDULE

Fiber Only (Existing DC Power)	Hybrid cable MN: HB058-M12-050F 12x multi-mode fiber pairs, Top: Outdoor protected connectors, Bottom: LC Connectors, 5/8 cable, 50 ft	50 ft
	MN: HB058-M12-075F	75 ft
	MN: HB058-M12-100F	100 ft
	MN: HB058-M12-125F	125 ft
	MN: HB058-M12-150F	150 ft
	MN: HB058-M12-175F	175 ft
MN: HB058-M12-200F	200 ft	
8 AWG Power	Hybrid cable MN: HB114-08U3M12-050F 3x 8 AWG power pairs, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 50 ft	50 ft
	MN: HB114-08U3M12-075F	75 ft
	MN: HB114-08U3M12-100F	100 ft
	MN: HB114-08U3M12-125F	125 ft
	MN: HB114-08U3M12-150F	150 ft
	MN: HB114-08U3M12-175F	175 ft
MN: HB114-08U3M12-200F	200 ft	
6 AWG Power	Hybrid cable MN: HB114-13U3M12-225F 3x 6 AWG power pair, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 225 ft	225 ft
	MN: HB114-13U3M12-250F	250 ft
	MN: HB114-13U3M12-275F	275 ft
	MN: HB114-13U3M12-300F	300 ft
4 AWG Power	Hybrid cable MN: HB114-21U3M12-325F 3x 4 AWG power pair, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 325 ft	325 ft
	MN: HB114-21U3M12-350F	350 ft
MN: HB114-21U3M12-375F	375 ft	



RFS HYBRIFLEX JUMPER CABLE SCHEDULE

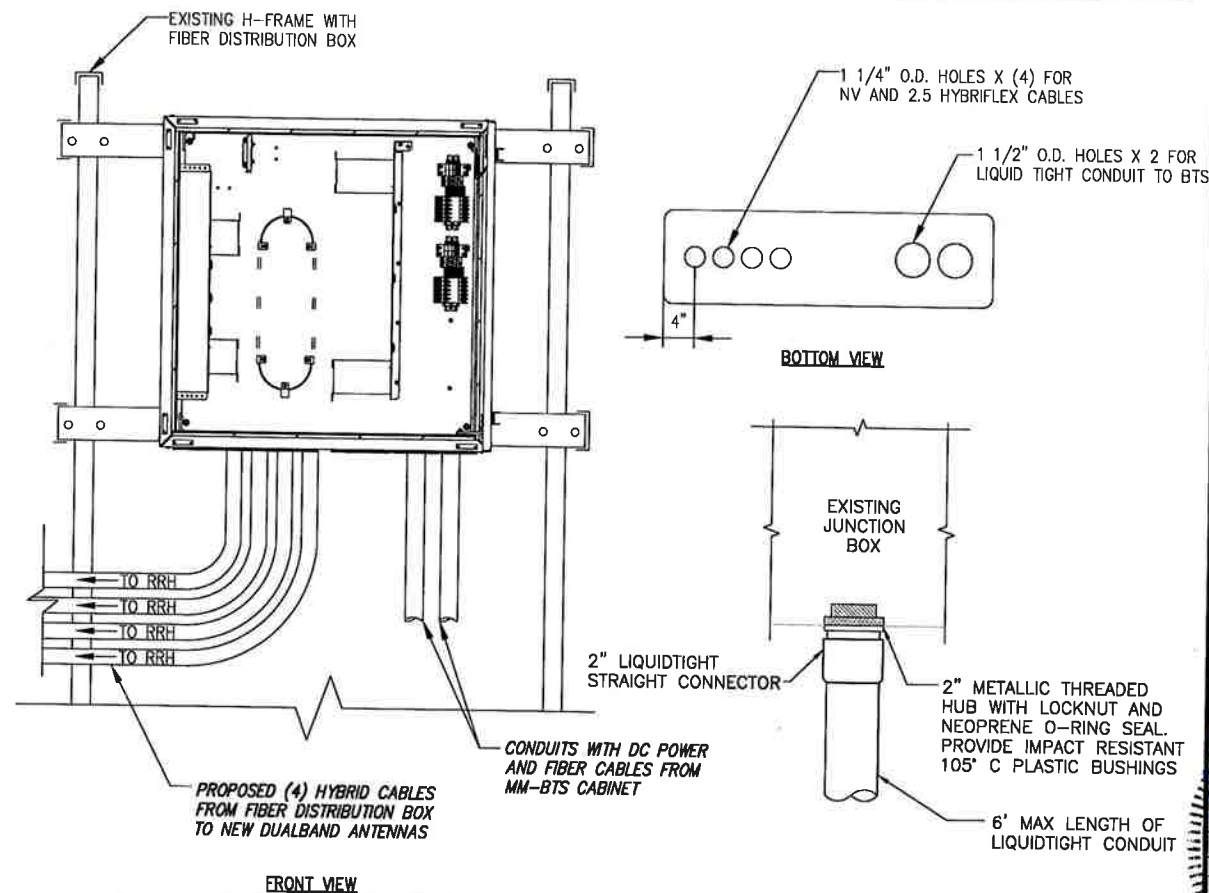
Fiber Only	Hybrid Jumper cable MN: HBF012-M3-5F1 5 ft, 3x multi-mode fiber pairs, Outdoor & LC connectors, 1/2 cable	5 ft
	MN: HBF012-M3-10F1	10 ft
	MN: HBF012-M3-15F1	15 ft
	MN: HBF012-M3-20F1	20 ft
	MN: HBF012-M3-25F1	25 ft
	MN: HBF012-M3-30F1	30 ft
8 AWG Power	Hybrid Jumper cable MN: HBF058-08U1M3-5F1 5 ft, 1x 8 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 5/8 cable	5 ft
	MN: HBF058-08U1M3-10F1	10 ft
	MN: HBF058-08U1M3-15F1	15 ft
	MN: HBF058-08U1M3-20F1	20 ft
	MN: HBF058-08U1M3-25F1	25 ft
	MN: HBF058-08U1M3-30F1	30 ft
6 AWG Power	Hybrid Jumper cable MN: HBF058-13U1M3-5F1 5 ft, 1x 6 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 5/8 cable	5 ft
	MN: HBF058-13U1M3-10F1	10 ft
	MN: HBF058-13U1M3-15F1	15 ft
	MN: HBF058-13U1M3-20F1	20 ft
	MN: HBF058-13U1M3-25F1	25 ft
	MN: HBF058-13U1M3-30F1	30 ft
4 AWG Power	Hybrid Jumper cable MN: HBF078-21U1M3-5F1 5 ft, 1x 4 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 7/8 cable	5 ft
	MN: HBF078-21U1M3-10F1	10 ft
	MN: HBF078-21U1M3-15F1	15 ft
	MN: HBF078-21U1M3-20F1	20 ft
	MN: HBF078-21U1M3-25F1	25 ft
	MN: HBF078-21U1M3-30F1	30 ft

* PROPOSED CABLE LENGTH WAS DETERMINED USING THE SUM OF THE RAD CENTER OF ANTENNAS, AND DISTANCE FROM EXISTING EQUIPMENT AREA TO TOWER BASE WITH AN ADDITIONAL 20' BUFFER. LENGTH TO BE VERIFIED IN FIELD PRIOR TO ORDERING MATERIALS.

NOTE:
SPRINT CM TO CONFIRM HYBRID OR FIBER RISER CABLE AND HYBRID OR FIBER JUMPER CABLE MODEL NUMBERS IF HYBRID CABLES ARE REQUIRED BEFORE PREPARING BOM.

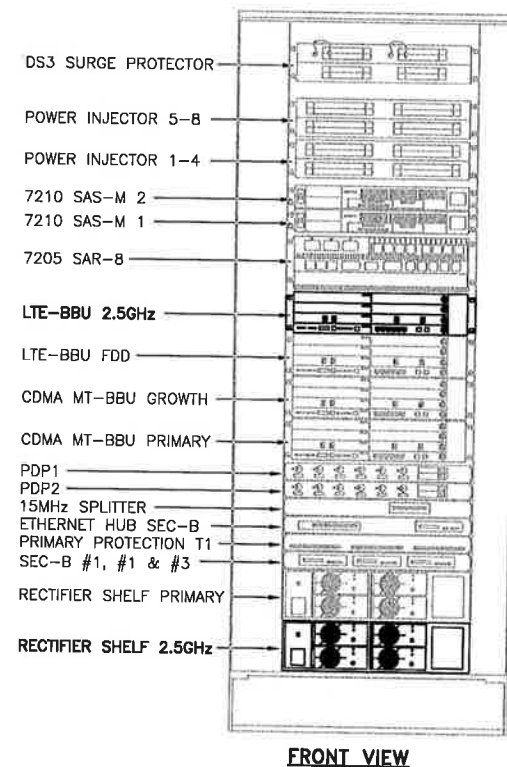
800/1900/2500 CABLE CROSS SECTION DATA

NO SCALE 1



FIBER JUNCTION BOX & PENETRATION

NO SCALE 2



FRONT VIEW

NEW EQUIPMENT IN EXISTING CABINET

NO SCALE 3

PLANS PREPARED FOR:

Sprint

PLANS PREPARED BY:

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
1033 Watervliet Shaker Rd | Albany, NY 12205
Phone: 518-690-0790 | Fax: 518-690-0793
www.infinigy.com
JOB NUMBER 526-104

PROJECT MANAGER:

AIROSMITH DEVELOPMENT
32 CLINTON ST.
SARATOGA SPRINGS, NY 12886
OFFICE: (518) 306-3740

ENGINEERING LICENSE:

STATE OF CONNECTICUT
JOHN S. STEVENSON
MAY 18 2018
No. 24705
LICENSED PROFESSIONAL ENGINEER

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:

DESCRIPTION	DATE	BY	REV.

ISSUED FOR PERMIT: 05/17/18 ETC 0

SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

139 MORRIS HUBBARD RD.
HIGGANUM, CT 06441

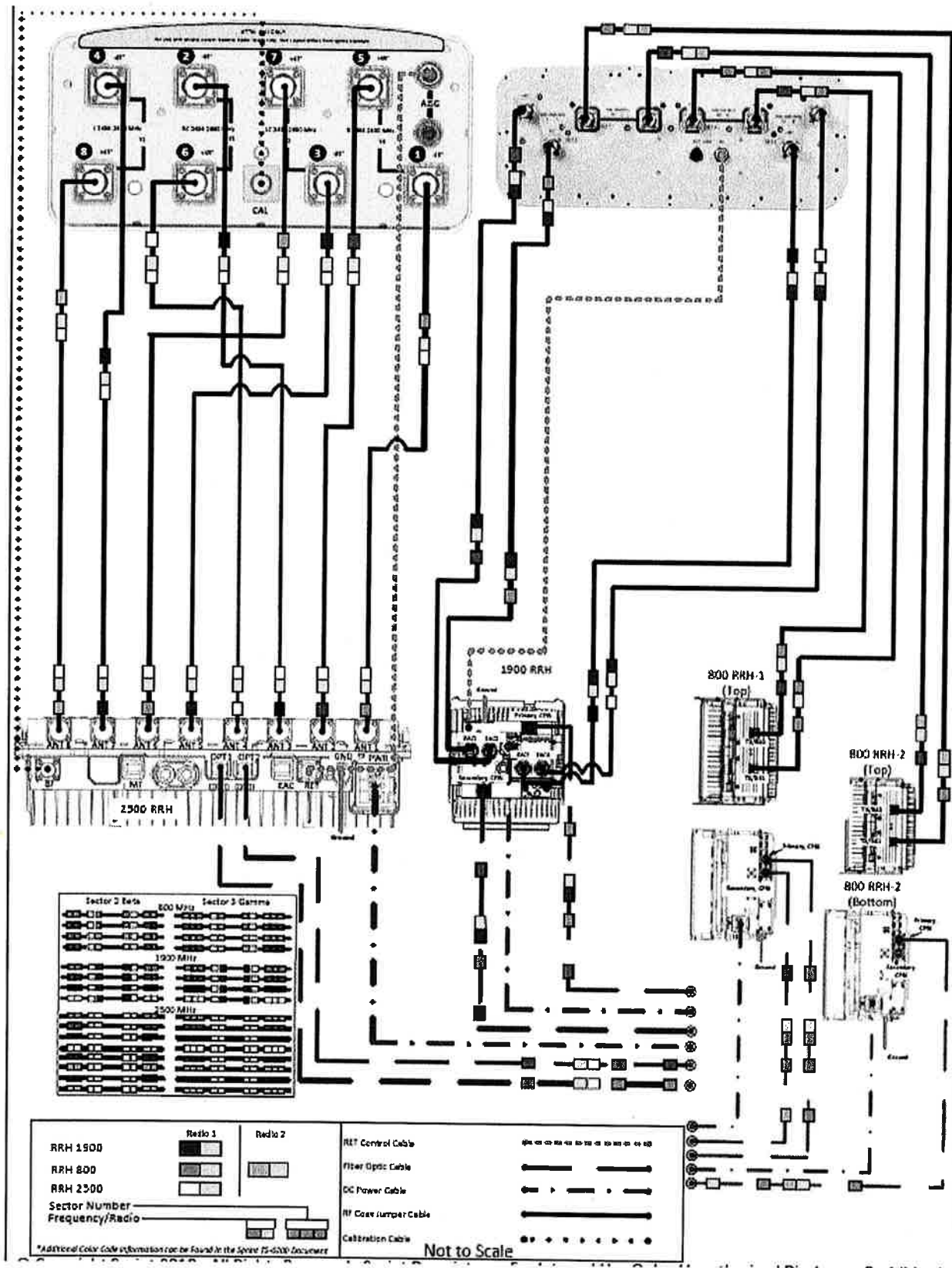
SHEET DESCRIPTION:

CIVIL DETAILS

SHEET NUMBER:

A-6

ALU-NSN 211 APXVTM14-ALU-I20 & NNVV-65B-R4 wo Filters



PLUMBING DIAGRAM

NO SCALE 1

PLANS PREPARED FOR:



PLANS PREPARED BY:

INFINIGY
 FROM ZERO TO INFINIGY
 the solutions are endless
 1033 Watervliet Shaker Rd | Albany, NY 12205
 Phone: 518-690-0790 | Fax: 518-690-0793
 www.infinigy.com
 JOB NUMBER 526-104

PROJECT MANAGER:

AIRSMITH
 DEVELOPMENT
 32 CLINTON ST.
 SARATOGA SPRINGS, NY 12868
 OFFICE# (518) 306-3740

ENGINEERING LICENSE:



DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:	DESCRIPTION	DATE	BY	REV.
ISSUED FOR PERMIT		05/17/18	ETC	0

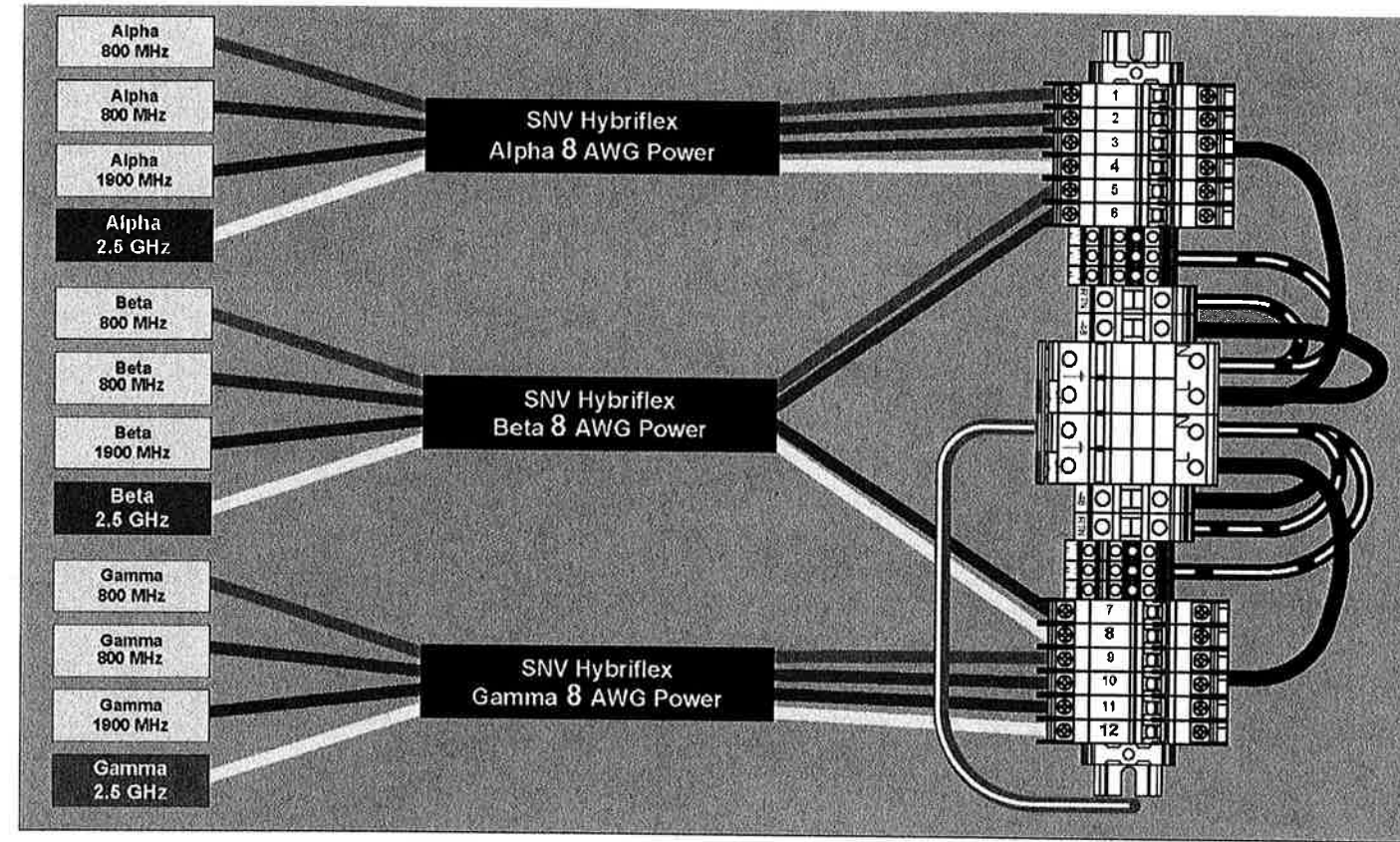
SITE NAME:
SNET - HIGGANUM

SITE NUMBER:
CT03XC161

SITE ADDRESS:
 139 MORRIS HUBBARD RD.
 HIGGANUM, CT 06441

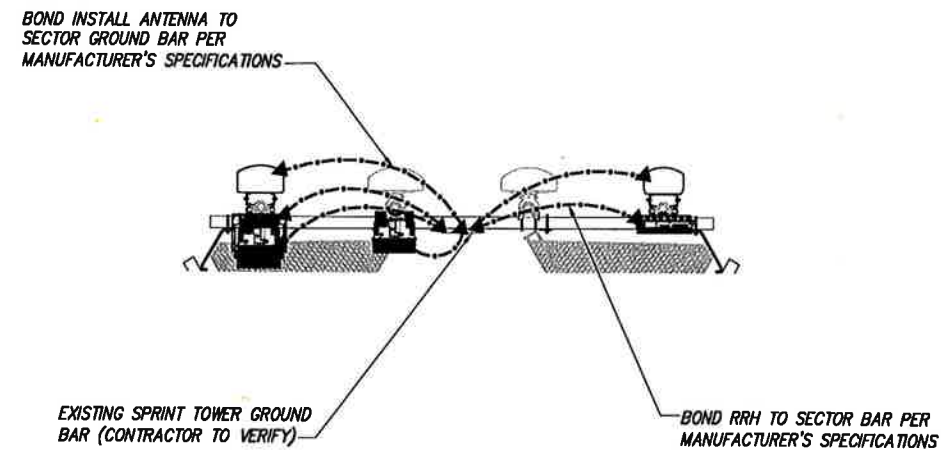
SHEET DESCRIPTION:
PLUMBING DIAGRAM

SHEET NUMBER:
A-7



RRH TO DISTRIBUTION BOX POWER CONNECTIVITY

NO SCALE

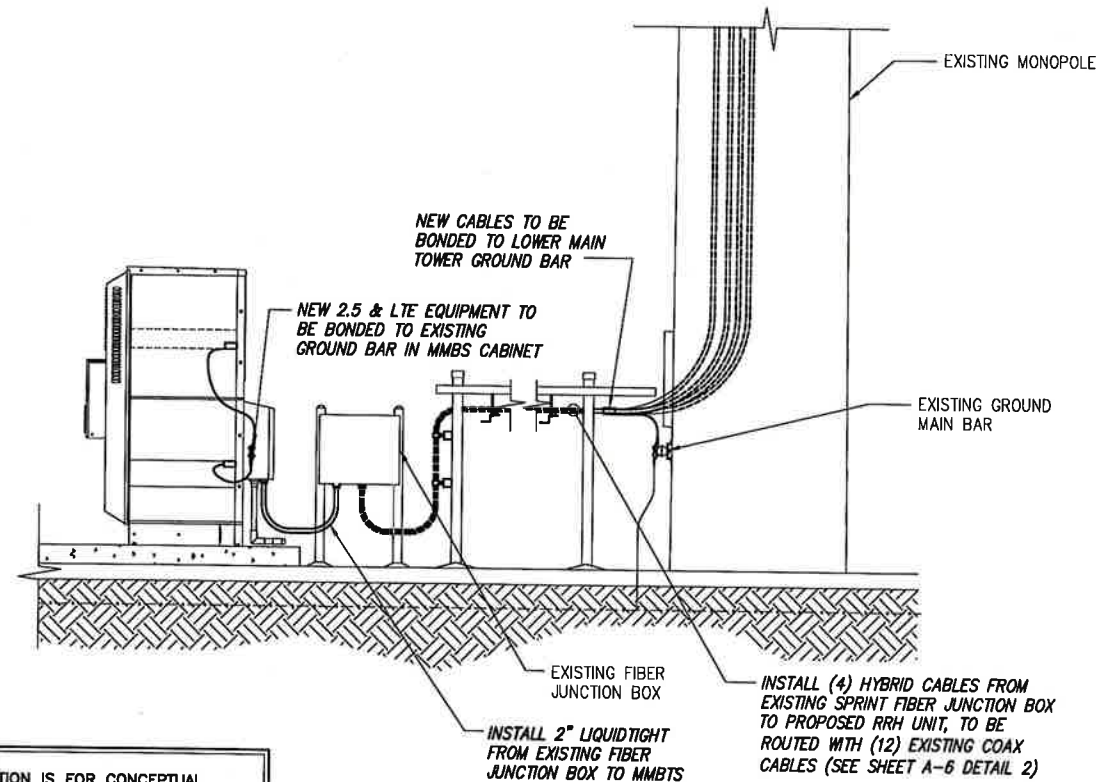


TYPICAL ANTENNA GROUNDING PLAN

NO SCALE

2

- LEGEND:**
- EXISTING GROUND RING
 - CADWELD CONNECTION (EXOTHERMIC WELD)
 - ▲ MECHANICAL CONNECTION
 - ⊗ GROUND ROD
 - CABLE GROUND KIT



NOTE: DEPICTION IS FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR IS TO FIELD VERIFY PRIOR TO CONSTRUCTION

TYPICAL EQUIPMENT GROUNDING PLAN (ELEVATION)

NO SCALE

3

PLANS PREPARED FOR:



PLANS PREPARED BY:

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
1033 Watervliet Shaker Rd | Albany, NY 12205
Phone: 518-690-0790 | Fax: 518-690-0793
www.infinigy.com
JOB NUMBER 526-104

PROJECT MANAGER:

AIRSMITH DEVELOPMENT
32 CLINTON ST.
SARATOGA SPRINGS, NY 12866
OFFICE# (518) 306-3740

ENGINEERING LICENSE:



DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:

DESCRIPTION	DATE	BY	REV.
ISSUED FOR PERMIT	05/17/18	ETC	0

SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

139 MORRIS HUBBARD RD.
HIGGANUM, CT 06441

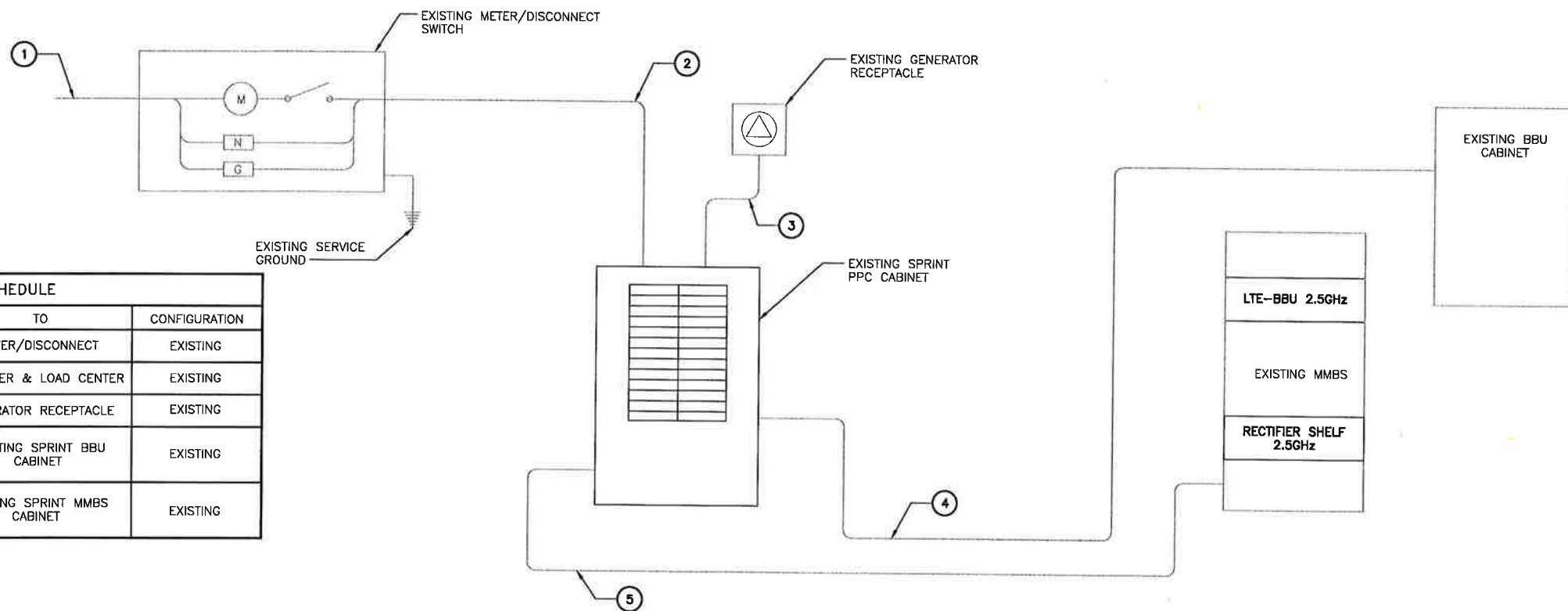
SHEET DESCRIPTION:

ELECTRICAL & GROUNDING PLAN

SHEET NUMBER:

E-1

NOTES
 CG SHALL REFERENCE ALL SPECS FOR "CONNECTING THE POWER SUPPLY" OF THE NEW INSTALLATION DOCUMENTS, FOR ALL CONNECTION SPECIFICATIONS.



CIRCUIT SCHEDULE			
NO	FROM	TO	CONFIGURATION
①	UTILITY SOURCE	METER/DISCONNECT	EXISTING
②	METER/DISCONNECT	TRANSFER & LOAD CENTER	EXISTING
③	TRANSFER & LOAD CENTER	GENERATOR RECEPTACLE	EXISTING
④	TRANSFER & LOAD CENTER	EXISTING SPRINT BBU CABINET	EXISTING
⑤	TRANSFER & LOAD CENTER	EXISTING SPRINT MMBS CABINET	EXISTING

PLANS PREPARED FOR:

PLANS PREPARED BY:

FROM ZERO TO INFINIGY
 the solutions are endless

1033 Watervliet Shaker Rd | Albany, NY 12205
 Phone: 518-690-0790 | Fax: 518-690-0793
 www.infinigy.com
 JOB NUMBER 526-104

PROJECT MANAGER:

32 CLINTON ST.
 SARATOGA SPRINGS, NY 12866
 OFFICE# (518) 306-3740

ENGINEERING LICENSE:

DRAWING NOTICE:
 THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:			
DESCRIPTION	DATE	BY	REV
ISSUED FOR PERMIT	05/17/18	ETC	0

SITE NAME:
SNET - HIGGANUM

SITE NUMBER:
CT03XC161

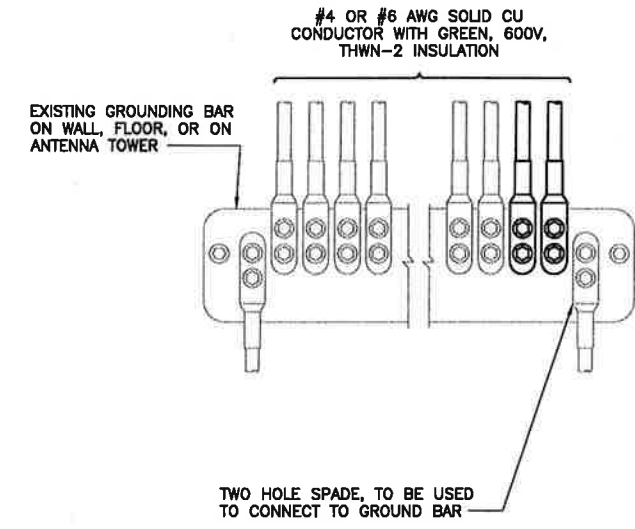
SITE ADDRESS:
 139 MORRIS HUBBARD RD.
 HIGGANUM, CT 06441

SHEET DESCRIPTION:
ELECTRICAL & GROUNDING DETAILS

SHEET NUMBER:
E-2

ELECTRICAL ONE-LINE DIAGRAM

NO SCALE 1

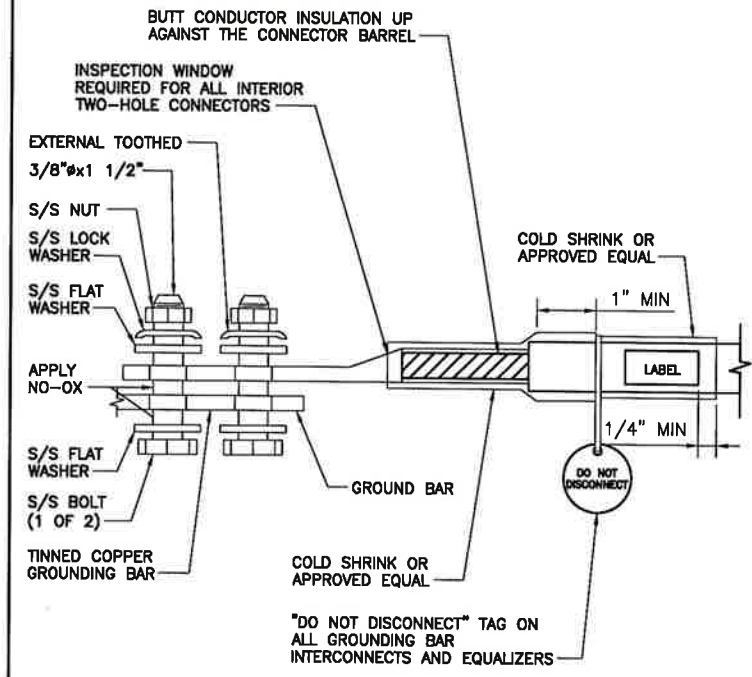


NOTES
 1. APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG.
 2. IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT SPRINT CM FOR REPLACEMENT THREADED ROD KIT.

INSTALLATION OF GROUNDING CONDUCTOR TO GROUNDING BAR

NO SCALE

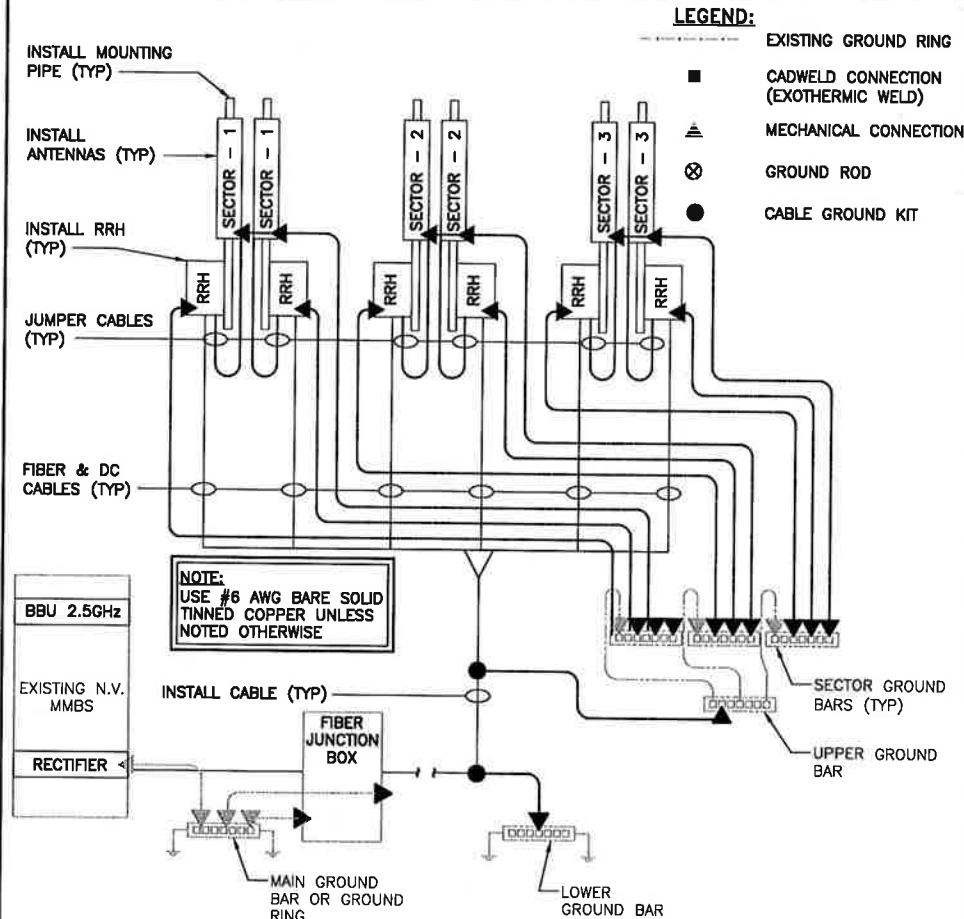
2



TWO HOLE LUG

NO SCALE

3



GROUNDING RISER DIAGRAM

NO SCALE

4



AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by



**TOWER
ENGINEERING
PROFESSIONALS**

Structural Analysis Report

Structure : 150 ft Monopole
ATC Site Name : Hddm - Haddam, CT
ATC Site Number : 302494
Engineering Number : OAA712589_C3_05
Proposed Carrier : Sprint Nextel
Carrier Site Name : SNET - HIGGANUM
Carrier Site Number : CT03XC161
Site Location : 139 Morris Hubbard Rd
Higganum, CT 06441-4307
41.472200,-72.554600
County : MIDDLESEX
Date : April 24, 2018
Max Usage : 93%
Result : Pass

Prepared By:
Aaron T. Rucker
TEP

Reviewed By:



04/24/2018

COA: PEC.0001553



Table of Contents

Introduction	1
Supporting Documents	1
Analysis	1
Conclusion.....	1
Existing and Reserved Equipment.....	2
Equipment to be Removed.....	2
Proposed Equipment	2
Structure Usages	3
Foundations	3
Deflection, Twist, and Sway.....	3
Standard Conditions	4
Calculations	Attached



Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 150 ft monopole to reflect the change in loading by Sprint Nextel.

Supporting Documents

Tower Drawings	ITT Meyer Type "B", Mapping by Smith Cullum, Acq. #CT-0027, dated August 23, 2001
Foundation Drawing	Mapping by FDH, Project #01-1004, dated October 12, 2001
Geotechnical Report	GeoTechnologies Project #1-04-0265-EA, dated March 4, 2004
Modifications	VSI Job #MR-311, Rev. 1, dated April 28, 2006

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:	101 mph (3-Second Gust, V_{asd}) / 130 mph (3-Second Gust, V_{ult})
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
Code:	ANSI/TIA-222-G / 2012 IBC / 2016 Connecticut State Building Code
Structure Class:	II
Exposure Category:	B
Topographic Category:	1
Crest Height:	0 ft
Spectral Response:	$S_s = 0.18, S_1 = 0.06$
Site Class:	D - Stiff Soil

Conclusion

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

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



Existing and Reserved Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
150.0	154.0	6	Kaelus DBC0061F1V51-2	Platform w/ Handrails	(12) 1 5/8" Coax (4) 0.78" 8 AWG 6 (2) 3" Conduit (2) 0.39" Fiber Trunk	AT&T Mobility
		2	Raycap DC6-48-60-18-8F ("Squid")			
		6	Powerwave LGP17201			
		3	Ericsson RRUS 11 (Band 12) (55 lb)			
		3	Ericsson RRUS 32 (50.8 lbs)			
		3	Ericsson RRUS 32 B2			
		3	Powerwave 7770.00			
		2	KMW AM-X-CD-16-65-00T-RET			
		3	Quintel QS66512-2			
		1	Powerwave P65-17-XLH-RR (50 lbs)			
	160.0	2	Decibel DB910CE-M		(2) 1 5/8" Coax	Sprint Nextel
141.0	141.0	3	RFS APXV18-206517LS-C	Flush	(6) 1 5/8" Coax	Metro PCS
131.0	131.0	6	Decibel DB844H90E-XY	Low Profile Platform	(12) 1 1/4" Coax	Sprint Nextel

Equipment to be Removed

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
131.0	131.0	6	Decibel DB844H90E-XY	-	-	Sprint Nextel

Proposed Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
131.0	131.0	6	Alcatel-Lucent RRH2x50-08	Low Profile Platform with HRK12 Handrail Kit	(4) 1 1/4" Hybriflex	Sprint Nextel
		3	Alcatel-Lucent 1900MHz 4x45 RRH			
		3	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield			
		3	RFS APXVTM14-ALU-I20			
		3	Commscope NNVV-65B-R4			

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	90%	Pass
Shaft	86%	Pass
Base Plate	29%	Pass
Flanges	82%	Pass
Reinforcement	79%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	2,345.1	93%
Axial (Kips)	67.1	50%
Shear (Kips)	22.1	11%

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) (°)
131.0	Alcatel-Lucent RRH2x50-08	Sprint Nextel	1.796	1.728
	Alcatel-Lucent 1900 MHz 4x45 RRH			
	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield			
	RFS APXVTM14-ALU-I20			
	Commscope NNVV-65B-R4			

*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 performed by A.T. Engineering Service, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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.

All assets of American Tower Corporation, its affiliates and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Service, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

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 supplied herein.

© 2007 - 2018 by ATC IP LLC. All rights reserved.

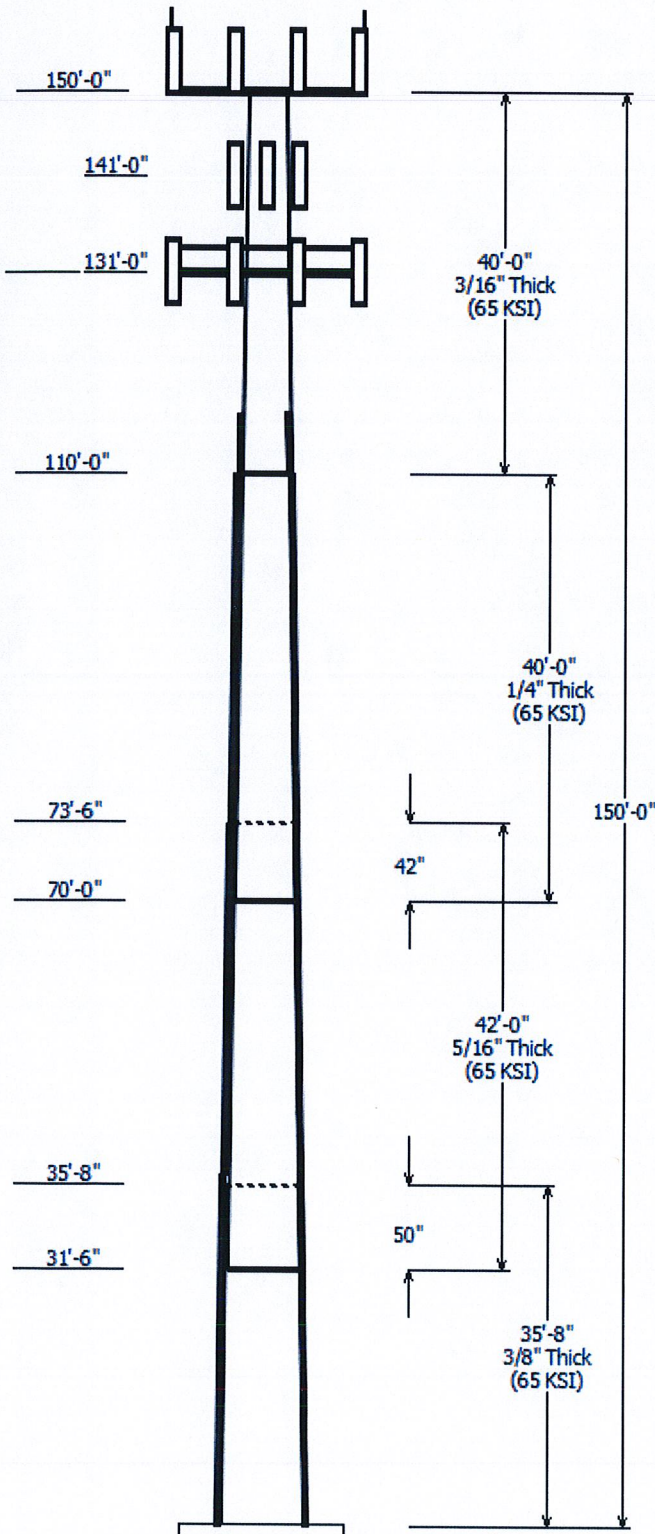
Job Information	
Pole : 302494	Code: ANSI/TIA-222-G
Location : Hddm - Haddam, CT	
Description : 150 ft ITT Meyer Type "B" Monopole	
Client : SPRINT NEXTEL	Struct Class : II
Shape : 12 Sides	Exposure : B
Height : 150.00 (ft)	Topo : 1
Base Elev (ft): 0.00	
Taper: 0.15670@in/ft)	

Sections Properties							
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Type	Overlap Length (in)	Steel Grade
		Accross Top	Flats Bottom				
1	35.667	31.79	37.38	0.375		0.000	12 Sides 65
2	42.000	26.48	33.06	0.313	Slip Joint	50.000	12 Sides 65
3	40.000	21.26	27.53	0.250	Slip Joint	42.000	12 Sides 65
4	40.000	15.00	21.26	0.188	Butt Joint	0.000	12 Sides 65

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
150.000	150.000	1	Round Platform w/ Handrails
150.000	154.000	1	Powerwave P65-17-XLH-RR (50
150.000	154.000	3	Quintel QS66512-2
150.000	154.000	2	KMW AM-X-CD-16-65-00T-RET
150.000	154.000	3	Powerwave Allgon 7770.00
150.000	154.000	3	Ericsson RRUS 32 B2
150.000	154.000	3	Ericsson RRUS 32 (50.8 lbs)
150.000	154.000	3	Ericsson RRUS 11 (Band 12) (55
150.000	154.000	6	Powerwave LGP17201
150.000	154.000	1	Raycap DC6-48-60-18-8F
150.000	154.000	1	Raycap DC6-48-60-18-8F
150.000	160.000	2	Decibel DB910CE-M
150.000	154.000	6	Kaelus DBC0061F1V51-2
141.000	141.000	3	RFS APXV18-206517LS-C
131.000	131.000	3	Commscope NNVV-65B-R4
131.000	131.000	3	Alcatel-Lucent 1900 MHz 4x45
131.000	131.000	3	Alcatel-Lucent TD-RRH8x20-25
131.000	131.000	6	Alcatel-Lucent RRH2x50-08
131.000	131.000	3	RFS APXVTM14-ALU-I20
131.000	131.000	1	Round Platform w/ Handrails
131.000	131.000	6	Decibel DB844H90E-XY

Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
8.000	131.0	1 1/4" Coax	Yes
8.000	131.0	1 1/4" Hybriflex	Yes
8.000	141.0	1 5/8" Coax	Yes
8.000	150.0	0.39" (10mm)	No
8.000	150.0	0.78" 8 AWG 6	No
8.000	150.0	1 5/8" Coax	No
8.000	150.0	1 5/8" Coax	No
8.000	150.0	3" Conduit	No
0.000	118.0	Reinf.	Yes

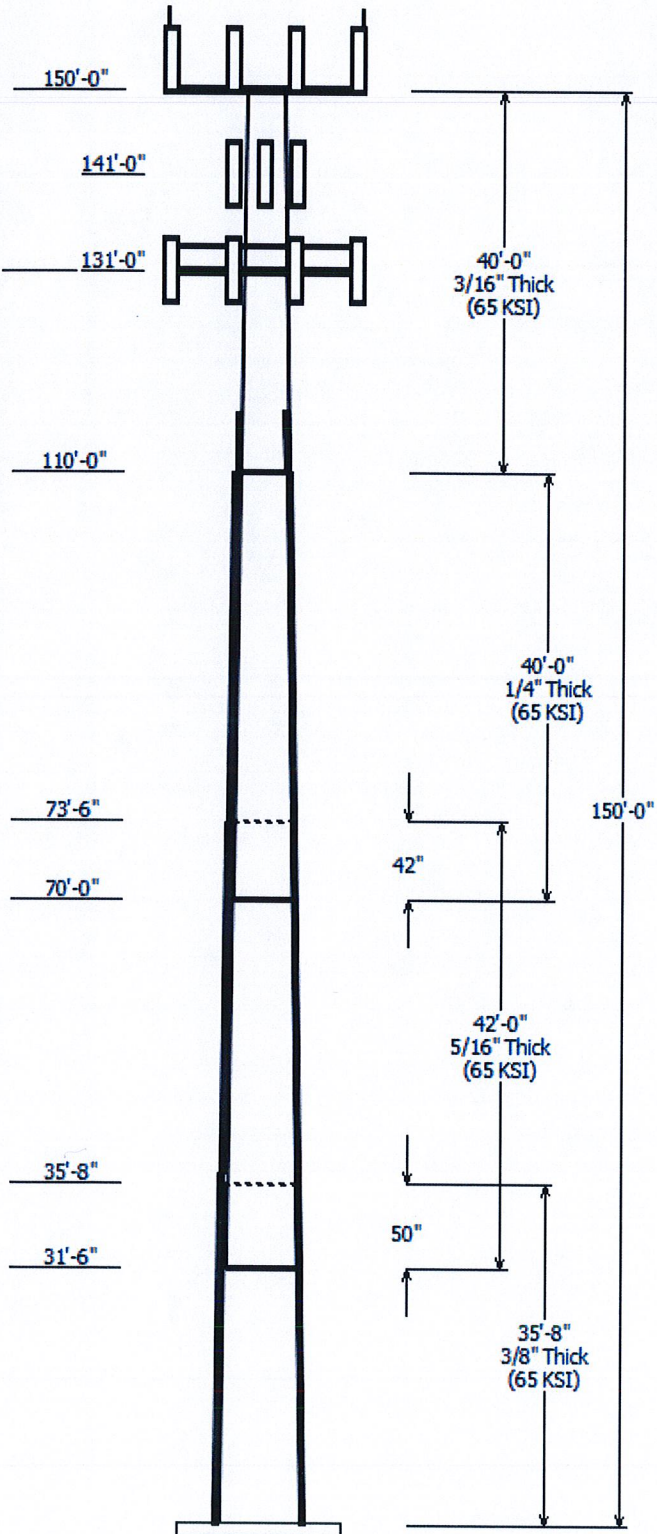
Load Cases	
1.2D + 1.6W	101 mph with No Ice
0.9D + 1.6W	101 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 0.75 in Radial Ice



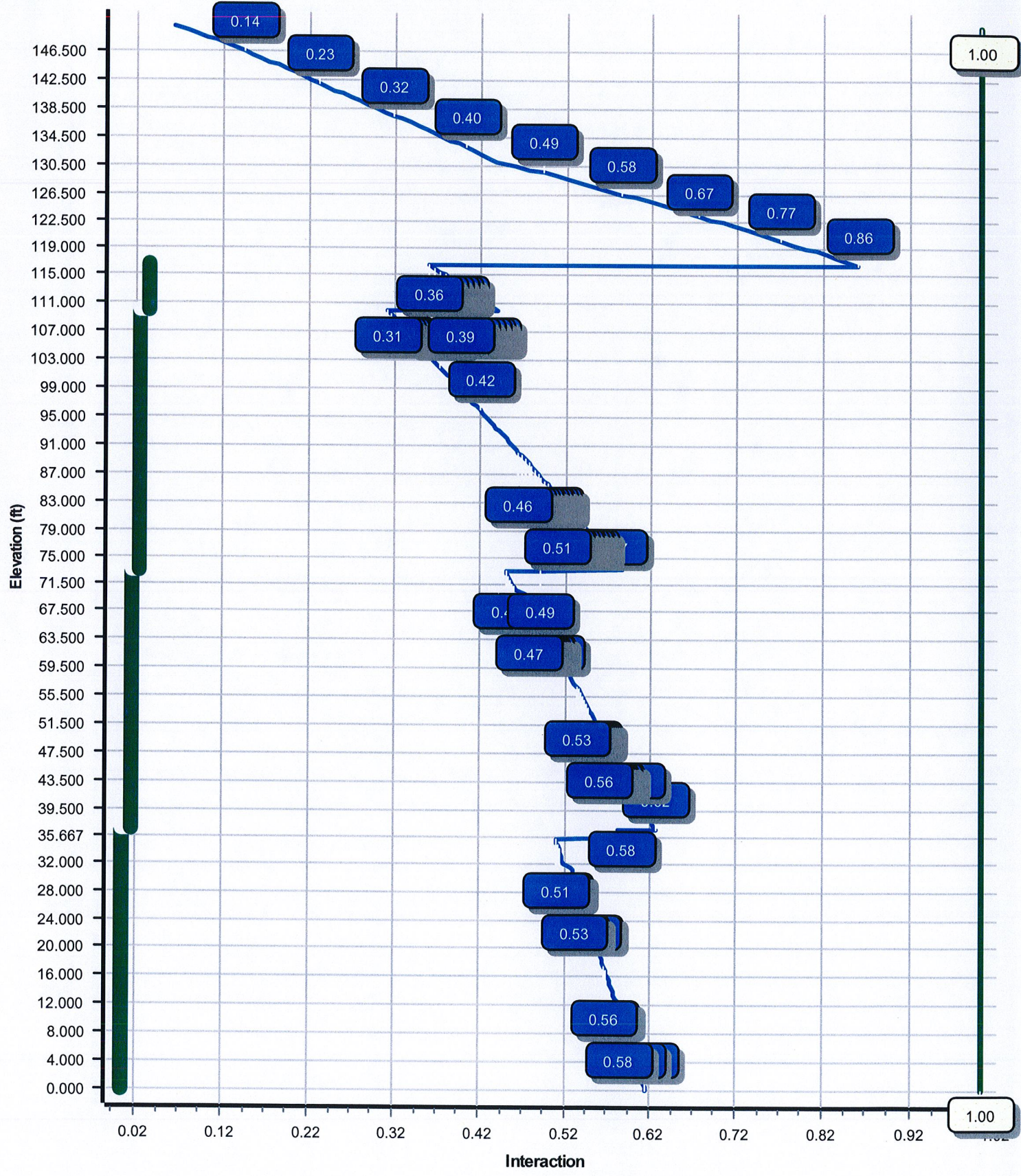
$(1.2 + 0.2Sds) * DL + E$	Seismic Equivalent Lateral Forces Method
$(1.2 + 0.2Sds) * DL + E$	Seismic Equivalent Modal Analysis Method
$(0.9 - 0.2Sds) * DL + E$	Seismic (Reduced DL) Equivalent Lateral
$(0.9 - 0.2Sds) * DL + E$	Seismic (Reduced DL) Equivalent Modal
$1.0D + 1.0W$	Serviceability 60 mph

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.6W	2345.13	22.07	42.08
0.9D + 1.6W	2203.30	21.10	31.56
1.2D + 1.0Di + 1.0Wi	525.86	4.49	67.13
$(1.2 + 0.2Sds) * DL + E$ ELFM	176.90	1.37	43.26
$(1.2 + 0.2Sds) * DL + E$ EMAM	267.23	2.17	43.26
$(0.9 - 0.2Sds) * DL + E$ ELFM	172.37	1.36	30.15
$(0.9 - 0.2Sds) * DL + E$ EMAM	260.04	2.17	30.15
1.0D + 1.0W	489.81	4.65	35.07

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
	0.00	0.000	0.000



Load Case : 1.2D + 1.6W
Max Ratio 85.89% at 116.5 ft



Site Number: 302494

Code: ANSI/TIA-222-G

© 2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:14 PM

Customer: SPRINT NEXTEL

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Slip		Weight (lb)	Bottom				Top				Taper (in/ft)				
				Joint Type	Joint Len (in)		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
1-12	35.667	0.3750	65		0.00	5,014	37.38	0.00	44.68	7810.1	24.03	99.68	31.79	35.67	37.93	4778.9	20.04	84.78	0.156700
2-12	42.000	0.3125	65	Slip	50.00	4,237	33.06	31.50	32.96	4514.2	25.68	105.82	26.48	73.50	26.34	2303.3	20.03	84.76	0.156700
3-12	40.000	0.2500	65	Slip	42.00	2,646	27.53	70.00	21.97	2087.4	26.83	110.14	21.26	110.00	16.92	954.0	20.12	85.07	0.156700
4-12	40.000	0.1875	65	Butt	0.00	1,475	21.26	110.00	12.73	721.9	27.71	113.43	15.00	150.00	8.94	250.5	18.76	80.00	0.156700
Shaft Weight						13,372													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Distance From Face (ft)	Vert Ecc (ft)	Weight (lb)	No Ice EPAa (sf)	Orientation Factor
150.00	Decibel DB910CE-M	2	0.000	10.000	8.00	1.280	1.00
150.00	Ericsson RRUS 11 (Band 12) (55	3	0.000	4.000	55.00	2.520	0.67
150.00	Ericsson RRUS 32 (50.8 lbs)	3	0.000	4.000	50.80	2.690	0.67
150.00	Ericsson RRUS 32 B2	3	0.000	4.000	53.00	2.740	0.67
150.00	Kaelus DBC0061F1V51-2	6	0.000	4.000	25.50	0.510	0.50
150.00	KMW AM-X-CD-16-65-00T-RET	2	0.000	4.000	48.50	8.020	0.67
150.00	Powerwave Allgon 7770.00	3	0.000	4.000	35.00	5.510	0.65
150.00	Powerwave LGP17201	6	0.000	4.000	31.00	1.670	0.50
150.00	Powerwave P65-17-XLH-RR (50	1	0.000	4.000	50.00	11.470	0.67
150.00	Quintel QS66512-2	3	0.000	4.000	111.00	8.130	0.74
150.00	Raycap DC6-48-60-18-8F ("Squid	1	0.000	4.000	31.80	1.280	1.00
150.00	Raycap DC6-48-60-18-8F ("Squid	1	0.000	4.000	31.80	1.280	1.00
150.00	Round Platform w/ Handrails	1	0.000	0.000	2000.00	27.100	1.00
141.00	RFS APXV18-206517LS-C	3	0.000	0.000	22.00	5.020	0.68
131.00	Alcatel-Lucent 1900 MHz 4x45 R	3	0.000	0.000	60.00	2.320	0.67
131.00	Alcatel-Lucent RRH2x50-08	6	0.000	0.000	52.90	1.700	0.50
131.00	Alcatel-Lucent TD-RRH8x20-25 w	3	0.000	0.000	70.00	4.050	0.67
131.00	Commscope NNVV-65B-R4	3	0.000	0.000	77.40	12.270	0.64
131.00	Decibel DB844H90E-XY	6	0.000	0.000	14.00	3.610	0.74
131.00	RFS APXVTM14-ALU-I20	3	0.000	0.000	56.20	6.340	0.66
131.00	Round Platform w/ Handrails	1	0.000	0.000	2000.00	27.200	1.00
Totals	Num Loadings:21	63			6738.20		

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Diameter (in)	Coax Weight (lb/ft)	Projected Width (in)	Exposed To Wind	Carrier
8.00	150.00	2	0.39" (10mm) Fiber	0.39	0.06	N 0.00	N	AT&T Mobility
8.00	150.00	4	0.78" 8 AWG 6	0.78	0.59	N 0.00	N	AT&T Mobility
8.00	150.00	12	1 5/8" Coax	1.98	0.82	N 0.00	N	AT&T Mobility
8.00	150.00	2	1 5/8" Coax	1.98	0.82	N 0.00	N	Sprint Nextel
8.00	150.00	2	3" Conduit	3.50	7.58	N 0.00	N	AT&T Mobility
8.00	141.00	6	1 5/8" Coax	1.98	0.82	N 1.98	Y	Metro PCS
8.00	131.00	12	1 1/4" Coax	1.55	0.63	N 1.55	Y	Sprint Nextel
8.00	131.00	4	1 1/4" Hybriflex Cable	1.54	1.00	N 0.00	Y	Sprint Nextel
0.00	118.00	3	Reinf.	1.25	0.00	Y 0.00	Y	--

Site Number: 302494

Code: ANSI/TIA-222-G

© 2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:14 PM

Customer: SPRINT NEXTEL

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	— Intermediate Connections —		Connectors	Continuation?
						Description	Spacing (in)		
0.00	36.67	3	PL PL 7 x 1.25	65	0.00	5/8" Hollo Bolt	18.0	5/8" Hollo Bolt	No
36.67	73.33	3	PL PL 6 x 1.25	65	0.00	5/8" Hollo Bolt	18.0	5/8" Hollo Bolt	Yes
73.33	110.0	3	PL PL 5" x 1.25"	65	0.00	5/8" Hollo Bolt	18.0	5/8" Hollo Bolt	Yes
110.0	116.5	3	PL PL 4 x 1.25	65	0.00	5/8" Hollo Bolt	18.0	5/8" Hollo Bolt	Yes

Site Number: 302494

Code: ANSI/TIA-222-G © 2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:14 PM

Customer: SPRINT NEXTEL

Segment Properties (Max Len : 0. ft)

Seg Top		Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in ³)	Z (in ³)	Weight (lb)	Additional Reinforcing		
Elev (ft)	Description											Area (in ²)	Ix (in ⁴)	Weight (lb)
0.00		0.3750	37.380	44.684	7,810.1	24.03	99.68	78.5	403.6	0.0	0.0	26.25	4,951	0.0
0.50		0.3750	37.302	44.589	7,760.6	23.97	99.47	78.6	401.9	0.0	75.9	26.25	4,932	44.6
1.00		0.3750	37.223	44.494	7,711.3	23.92	99.26	78.6	400.2	0.0	75.8	26.25	4,912	44.6
1.50		0.3750	37.145	44.400	7,662.2	23.86	99.05	78.7	398.5	0.0	75.6	26.25	4,892	44.6
2.00		0.3750	37.067	44.305	7,613.3	23.81	98.84	78.8	396.8	0.0	75.5	26.25	4,872	44.6
2.50		0.3750	36.988	44.210	7,564.6	23.75	98.64	78.8	395.1	0.0	75.3	26.25	4,853	44.6
3.00		0.3750	36.910	44.116	7,516.2	23.69	98.43	78.9	393.4	0.0	75.1	26.25	4,833	44.6
3.50		0.3750	36.832	44.021	7,467.9	23.64	98.22	78.9	391.7	0.0	75.0	26.25	4,813	44.6
4.00		0.3750	36.753	43.927	7,419.9	23.58	98.01	79.0	390.0	0.0	74.8	26.25	4,794	44.6
4.50		0.3750	36.675	43.832	7,372.0	23.53	97.80	79.1	388.3	0.0	74.7	26.25	4,774	44.6
5.00		0.3750	36.597	43.737	7,324.4	23.47	97.59	79.1	386.6	0.0	74.5	26.25	4,755	44.6
5.50		0.3750	36.518	43.643	7,277.0	23.41	97.38	79.2	385.0	0.0	74.3	26.25	4,735	44.6
6.00		0.3750	36.440	43.548	7,229.8	23.36	97.17	79.2	383.3	0.0	74.2	26.25	4,716	44.6
6.50		0.3750	36.361	43.454	7,182.7	23.30	96.96	79.3	381.6	0.0	74.0	26.25	4,697	44.6
7.00		0.3750	36.283	43.359	7,135.9	23.25	96.75	79.4	379.9	0.0	73.9	26.25	4,677	44.6
7.50		0.3750	36.205	43.264	7,089.3	23.19	96.55	79.4	378.3	0.0	73.7	26.25	4,658	44.6
8.00		0.3750	36.126	43.170	7,042.9	23.13	96.34	79.5	376.6	0.0	73.5	26.25	4,639	44.6
8.50		0.3750	36.048	43.075	6,996.7	23.08	96.13	79.5	375.0	0.0	73.4	26.25	4,620	44.6
9.00		0.3750	35.970	42.981	6,950.7	23.02	95.92	79.6	373.3	0.0	73.2	26.25	4,600	44.6
9.50		0.3750	35.891	42.886	6,904.9	22.97	95.71	79.7	371.7	0.0	73.0	26.25	4,581	44.6
10.00		0.3750	35.813	42.791	6,859.3	22.91	95.50	79.7	370.0	0.0	72.9	26.25	4,562	44.6
10.50		0.3750	35.735	42.697	6,813.9	22.85	95.29	79.8	368.4	0.0	72.7	26.25	4,543	44.6
11.00		0.3750	35.656	42.602	6,768.7	22.80	95.08	79.9	366.7	0.0	72.6	26.25	4,524	44.6
11.50		0.3750	35.578	42.508	6,723.7	22.74	94.87	79.9	365.1	0.0	72.4	26.25	4,505	44.6
12.00		0.3750	35.500	42.413	6,678.9	22.69	94.67	80.0	363.5	0.0	72.2	26.25	4,486	44.6
12.50		0.3750	35.421	42.318	6,634.3	22.63	94.46	80.0	361.8	0.0	72.1	26.25	4,467	44.6
13.00		0.3750	35.343	42.224	6,589.9	22.57	94.25	80.1	360.2	0.0	71.9	26.25	4,449	44.6
13.50		0.3750	35.265	42.129	6,545.7	22.52	94.04	80.2	358.6	0.0	71.8	26.25	4,430	44.6
14.00		0.3750	35.186	42.035	6,501.7	22.46	93.83	80.2	357.0	0.0	71.6	26.25	4,411	44.6
14.50		0.3750	35.108	41.940	6,457.9	22.41	93.62	80.3	355.4	0.0	71.4	26.25	4,392	44.6
15.00		0.3750	35.029	41.845	6,414.3	22.35	93.41	80.3	353.7	0.0	71.3	26.25	4,374	44.6
15.50		0.3750	34.951	41.751	6,370.9	22.29	93.20	80.4	352.1	0.0	71.1	26.25	4,355	44.6
16.00		0.3750	34.873	41.656	6,327.7	22.24	92.99	80.5	350.5	0.0	71.0	26.25	4,336	44.6
16.50		0.3750	34.794	41.561	6,284.7	22.18	92.79	80.5	348.9	0.0	70.8	26.25	4,318	44.6
17.00		0.3750	34.716	41.467	6,241.9	22.13	92.58	80.6	347.3	0.0	70.6	26.25	4,299	44.6
17.50		0.3750	34.638	41.372	6,199.3	22.07	92.37	80.6	345.8	0.0	70.5	26.25	4,281	44.6
18.00		0.3750	34.559	41.278	6,156.8	22.01	92.16	80.7	344.2	0.0	70.3	26.25	4,262	44.6
18.50		0.3750	34.481	41.183	6,114.6	21.96	91.95	80.8	342.6	0.0	70.1	26.25	4,244	44.6
19.00		0.3750	34.403	41.088	6,072.5	21.90	91.74	80.8	341.0	0.0	70.0	26.25	4,226	44.6
19.50		0.3750	34.324	40.994	6,030.7	21.85	91.53	80.9	339.4	0.0	69.8	26.25	4,207	44.6
20.00		0.3750	34.246	40.899	5,989.0	21.79	91.32	80.9	337.8	0.0	69.7	26.25	4,189	44.6
20.50		0.3750	34.168	40.805	5,947.6	21.73	91.11	81.0	336.3	0.0	69.5	26.25	4,171	44.6
21.00		0.3750	34.089	40.710	5,906.3	21.68	90.90	81.1	334.7	0.0	69.3	26.25	4,153	44.6
21.50		0.3750	34.011	40.615	5,865.2	21.62	90.70	81.1	333.1	0.0	69.2	26.25	4,135	44.6
22.00		0.3750	33.933	40.521	5,824.3	21.57	90.49	81.2	331.6	0.0	69.0	26.25	4,116	44.6
22.50		0.3750	33.854	40.426	5,783.6	21.51	90.28	81.3	330.0	0.0	68.9	26.25	4,098	44.6
23.00		0.3750	33.776	40.332	5,743.1	21.45	90.07	81.3	328.5	0.0	68.7	26.25	4,080	44.6
23.50		0.3750	33.698	40.237	5,702.8	21.40	89.86	81.4	326.9	0.0	68.5	26.25	4,062	44.6
24.00		0.3750	33.619	40.142	5,662.7	21.34	89.65	81.4	325.4	0.0	68.4	26.25	4,044	44.6
24.50		0.3750	33.541	40.048	5,622.7	21.29	89.44	81.5	323.9	0.0	68.2	26.25	4,026	44.6
25.00		0.3750	33.462	39.953	5,583.0	21.23	89.23	81.6	322.3	0.0	68.1	26.25	4,009	44.6
25.50		0.3750	33.384	39.859	5,543.4	21.17	89.02	81.6	320.8	0.0	67.9	26.25	3,991	44.6
26.00		0.3750	33.306	39.764	5,504.0	21.12	88.82	81.7	319.3	0.0	67.7	26.25	3,973	44.6
26.50		0.3750	33.227	39.669	5,464.8	21.06	88.61	81.7	317.7	0.0	67.6	26.25	3,955	44.6
27.00		0.3750	33.149	39.575	5,425.8	21.01	88.40	81.8	316.2	0.0	67.4	26.25	3,938	44.6
27.50		0.3750	33.071	39.480	5,387.0	20.95	88.19	81.9	314.7	0.0	67.3	26.25	3,920	44.6
28.00		0.3750	32.992	39.386	5,348.4	20.89	87.98	81.9	313.2	0.0	67.1	26.25	3,902	44.6
28.50		0.3750	32.914	39.291	5,309.9	20.84	87.77	81.9	311.7	0.0	66.9	26.25	3,885	44.6

Site Number: 302494

Code: ANSI/TIA-222-G

© 2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:14 PM

Customer: SPRINT NEXTEL

29.00		0.3750	32.836	39.196	5,271.7	20.78	87.56	81.9	310.2	0.0	66.8	26.25	3,867	44.6
29.50		0.3750	32.757	39.102	5,233.6	20.73	87.35	81.9	308.6	0.0	66.6	26.25	3,850	44.6
30.00		0.3750	32.679	39.007	5,195.7	20.67	87.14	81.9	307.1	0.0	66.4	26.25	3,832	44.6
30.50		0.3750	32.601	38.912	5,158.0	20.61	86.94	81.9	305.7	0.0	66.3	26.25	3,815	44.6
31.00		0.3750	32.522	38.818	5,120.4	20.56	86.73	81.9	304.2	0.0	66.1	26.25	3,797	44.6
31.50	Bot - Section 2	0.3750	32.444	38.723	5,083.1	20.50	86.52	81.9	302.7	0.0	66.0	26.25	3,780	44.6
32.00		0.3750	32.366	38.629	5,045.9	20.45	86.31	81.9	301.2	0.0	121.8	26.25	3,902	44.6
32.50		0.3750	32.287	38.534	5,008.9	20.39	86.10	81.9	299.7	0.0	121.5	26.25	3,884	44.6
33.00		0.3750	32.209	38.439	4,972.1	20.33	85.89	81.9	298.2	0.0	121.2	26.25	3,867	44.6
33.50		0.3750	32.131	38.345	4,935.5	20.28	85.68	81.9	296.7	0.0	120.9	26.25	3,849	44.6
34.00		0.3750	32.052	38.250	4,899.1	20.22	85.47	81.9	295.3	0.0	120.6	26.25	3,832	44.6
34.50		0.3750	31.974	38.156	4,862.8	20.17	85.26	81.9	293.8	0.0	120.3	26.25	3,814	44.6
35.00		0.3750	31.895	38.061	4,826.7	20.11	85.05	81.9	292.3	0.0	120.0	26.25	3,797	44.6
35.50		0.3750	31.817	37.966	4,790.8	20.05	84.85	81.9	290.9	0.0	119.7	26.25	3,780	44.6
35.67	Top - Section 1	0.3125	32.416	32.304	4,249.6	25.12	103.73	77.3	253.3	0.0	39.8	26.25	3,774	14.9
36.00		0.3125	32.364	32.252	4,228.9	25.07	103.56	77.4	252.4	0.0	36.6	26.25	3,762	29.8
36.50		0.3125	32.285	32.173	4,198.0	25.00	103.31	77.4	251.2	0.0	54.8	26.25	3,745	44.6
36.67	Reinf. Top Reinf	0.3125	32.259	32.146	4,187.5	24.98	103.23	77.5	250.8	0.0	18.6	26.25	3,739	15.2
37.00		0.3125	32.207	32.094	4,167.2	24.94	103.06	77.5	250.0	0.0	36.1	22.50	3,183	25.2
37.50		0.3125	32.129	32.015	4,136.6	24.87	102.81	77.6	248.7	0.0	54.5	22.50	3,168	38.3
38.00		0.3125	32.050	31.936	4,106.1	24.80	102.56	77.7	247.5	0.0	54.4	22.50	3,154	38.3
38.50		0.3125	31.972	31.857	4,075.7	24.73	102.31	77.7	246.3	0.0	54.3	22.50	3,139	38.3
39.00		0.3125	31.894	31.779	4,045.6	24.67	102.06	77.8	245.0	0.0	54.1	22.50	3,124	38.3
39.50		0.3125	31.815	31.700	4,015.5	24.60	101.81	77.9	243.8	0.0	54.0	22.50	3,110	38.3
40.00		0.3125	31.737	31.621	3,985.6	24.53	101.56	78.0	242.6	0.0	53.9	22.50	3,095	38.3
40.50		0.3125	31.659	31.542	3,955.9	24.47	101.31	78.0	241.4	0.0	53.7	22.50	3,081	38.3
41.00		0.3125	31.580	31.463	3,926.3	24.40	101.06	78.1	240.2	0.0	53.6	22.50	3,066	38.3
41.50		0.3125	31.502	31.384	3,896.9	24.33	100.81	78.2	239.0	0.0	53.5	22.50	3,052	38.3
42.00		0.3125	31.424	31.306	3,867.6	24.26	100.56	78.3	237.8	0.0	53.3	22.50	3,037	38.3
42.50		0.3125	31.345	31.227	3,838.4	24.20	100.30	78.3	236.6	0.0	53.2	22.50	3,023	38.3
43.00		0.3125	31.267	31.148	3,809.4	24.13	100.05	78.4	235.4	0.0	53.1	22.50	3,009	38.3
43.50		0.3125	31.189	31.069	3,780.6	24.06	99.80	78.5	234.2	0.0	52.9	22.50	2,994	38.3
44.00		0.3125	31.110	30.990	3,751.9	24.00	99.55	78.5	233.0	0.0	52.8	22.50	2,980	38.3
44.50		0.3125	31.032	30.911	3,723.3	23.93	99.30	78.6	231.8	0.0	52.7	22.50	2,966	38.3
45.00		0.3125	30.953	30.833	3,694.9	23.86	99.05	78.7	230.6	0.0	52.5	22.50	2,952	38.3
45.50		0.3125	30.875	30.754	3,666.6	23.79	98.80	78.8	229.4	0.0	52.4	22.50	2,937	38.3
46.00		0.3125	30.797	30.675	3,638.5	23.73	98.55	78.8	228.2	0.0	52.3	22.50	2,923	38.3
46.50		0.3125	30.718	30.596	3,610.5	23.66	98.30	78.9	227.1	0.0	52.1	22.50	2,909	38.3
47.00		0.3125	30.640	30.517	3,582.7	23.59	98.05	79.0	225.9	0.0	52.0	22.50	2,895	38.3
47.50		0.3125	30.562	30.438	3,555.0	23.53	97.80	79.1	224.7	0.0	51.9	22.50	2,881	38.3
48.00		0.3125	30.483	30.359	3,527.4	23.46	97.55	79.1	223.5	0.0	51.7	22.50	2,867	38.3
48.50		0.3125	30.405	30.281	3,500.0	23.39	97.30	79.2	222.4	0.0	51.6	22.50	2,853	38.3
49.00		0.3125	30.327	30.202	3,472.7	23.32	97.05	79.3	221.2	0.0	51.5	22.50	2,839	38.3
49.50		0.3125	30.248	30.123	3,445.6	23.26	96.79	79.3	220.1	0.0	51.3	22.50	2,825	38.3
50.00		0.3125	30.170	30.044	3,418.6	23.19	96.54	79.4	218.9	0.0	51.2	22.50	2,811	38.3
50.50		0.3125	30.092	29.965	3,391.8	23.12	96.29	79.5	217.7	0.0	51.0	22.50	2,797	38.3
51.00		0.3125	30.013	29.886	3,365.1	23.06	96.04	79.6	216.6	0.0	50.9	22.50	2,784	38.3
51.50		0.3125	29.935	29.808	3,338.5	22.99	95.79	79.6	215.5	0.0	50.8	22.50	2,770	38.3
52.00		0.3125	29.857	29.729	3,312.1	22.92	95.54	79.7	214.3	0.0	50.6	22.50	2,756	38.3
52.50		0.3125	29.778	29.650	3,285.8	22.85	95.29	79.8	213.2	0.0	50.5	22.50	2,743	38.3
53.00		0.3125	29.700	29.571	3,259.7	22.79	95.04	79.9	212.0	0.0	50.4	22.50	2,729	38.3
53.50		0.3125	29.622	29.492	3,233.7	22.72	94.79	79.9	210.9	0.0	50.2	22.50	2,715	38.3
54.00		0.3125	29.543	29.413	3,207.8	22.65	94.54	80.0	209.8	0.0	50.1	22.50	2,702	38.3
54.50		0.3125	29.465	29.335	3,182.1	22.58	94.29	80.1	208.6	0.0	50.0	22.50	2,688	38.3
55.00		0.3125	29.386	29.256	3,156.5	22.52	94.04	80.2	207.5	0.0	49.8	22.50	2,675	38.3
55.50		0.3125	29.308	29.177	3,131.1	22.45	93.79	80.2	206.4	0.0	49.7	22.50	2,661	38.3
56.00		0.3125	29.230	29.098	3,105.7	22.38	93.54	80.3	205.3	0.0	49.6	22.50	2,648	38.3
56.50		0.3125	29.151	29.019	3,080.6	22.32	93.28	80.4	204.1	0.0	49.4	22.50	2,634	38.3
57.00		0.3125	29.073	28.940	3,055.5	22.25	93.03	80.4	203.0	0.0	49.3	22.50	2,621	38.3
57.50		0.3125	28.995	28.862	3,030.6	22.18	92.78	80.5	201.9	0.0	49.2	22.50	2,607	38.3
58.00		0.3125	28.916	28.783	3,005.9	22.11	92.53	80.6	200.8	0.0	49.0	22.50	2,594	38.3
58.50		0.3125	28.838	28.704	2,981.2	22.05	92.28	80.7	199.7	0.0	48.9	22.50	2,581	38.3
59.00		0.3125	28.760	28.625	2,956.7	21.98	92.03	80.7	198.6	0.0	48.8	22.50	2,568	38.3
59.50		0.3125	28.681	28.546	2,932.4	21.91	91.78	80.8	197.5	0.0	48.6	22.50	2,554	38.3

60.00		0.3125	28.603	28.467	2,908.1	21.85	91.53	80.9	196.4	0.0	48.5	22.50	2,541	38.3
60.50		0.3125	28.525	28.388	2,884.0	21.78	91.28	81.0	195.3	0.0	48.4	22.50	2,528	38.3
61.00		0.3125	28.446	28.310	2,860.1	21.71	91.03	81.0	194.2	0.0	48.2	22.50	2,515	38.3
61.50		0.3125	28.368	28.231	2,836.2	21.64	90.78	81.1	193.1	0.0	48.1	22.50	2,502	38.3
62.00		0.3125	28.290	28.152	2,812.5	21.58	90.53	81.2	192.1	0.0	48.0	22.50	2,489	38.3
62.50		0.3125	28.211	28.073	2,789.0	21.51	90.28	81.3	191.0	0.0	47.8	22.50	2,476	38.3
63.00		0.3125	28.133	27.994	2,765.6	21.44	90.03	81.3	189.9	0.0	47.7	22.50	2,463	38.3
63.50		0.3125	28.055	27.915	2,742.3	21.38	89.77	81.4	188.8	0.0	47.6	22.50	2,450	38.3
64.00		0.3125	27.976	27.837	2,719.1	21.31	89.52	81.5	187.8	0.0	47.4	22.50	2,437	38.3
64.50		0.3125	27.898	27.758	2,696.0	21.24	89.27	81.5	186.7	0.0	47.3	22.50	2,424	38.3
65.00		0.3125	27.819	27.679	2,673.1	21.17	89.02	81.6	185.6	0.0	47.2	22.50	2,411	38.3
65.50		0.3125	27.741	27.600	2,650.4	21.11	88.77	81.7	184.6	0.0	47.0	22.50	2,399	38.3
66.00		0.3125	27.663	27.521	2,627.7	21.04	88.52	81.8	183.5	0.0	46.9	22.50	2,386	38.3
66.50		0.3125	27.584	27.442	2,605.2	20.97	88.27	81.8	182.5	0.0	46.8	22.50	2,373	38.3
67.00		0.3125	27.506	27.364	2,582.8	20.91	88.02	81.9	181.4	0.0	46.6	22.50	2,360	38.3
67.50		0.3125	27.428	27.285	2,560.5	20.84	87.77	81.9	180.3	0.0	46.5	22.50	2,348	38.3
68.00		0.3125	27.349	27.206	2,538.4	20.77	87.52	81.9	179.3	0.0	46.4	22.50	2,335	38.3
68.50		0.3125	27.271	27.127	2,516.4	20.70	87.27	81.9	178.3	0.0	46.2	22.50	2,323	38.3
69.00		0.3125	27.193	27.048	2,494.5	20.64	87.02	81.9	177.2	0.0	46.1	22.50	2,310	38.3
69.50		0.3125	27.114	26.969	2,472.8	20.57	86.77	81.9	176.2	0.0	46.0	22.50	2,298	38.3
70.00	Bot - Section 3	0.3125	27.036	26.891	2,451.2	20.50	86.52	81.9	175.1	0.0	45.8	22.50	2,285	38.2
70.50		0.3125	26.958	26.812	2,429.7	20.44	86.26	81.9	174.1	0.0	45.8	22.50	2,285	38.2
71.00		0.3125	26.879	26.733	2,408.3	20.37	86.01	81.9	173.1	0.0	45.6	22.50	2,273	38.3
71.50		0.3125	26.801	26.654	2,387.0	20.30	85.76	81.9	172.1	0.0	45.4	22.50	2,261	38.3
72.00		0.3125	26.723	26.575	2,365.9	20.23	85.51	81.9	171.0	0.0	45.2	22.50	2,249	38.3
72.50		0.3125	26.644	26.496	2,344.9	20.17	85.26	81.9	170.0	0.0	45.0	22.50	2,237	38.3
73.00		0.3125	26.566	26.417	2,324.1	20.10	85.01	81.9	169.0	0.0	44.8	22.50	2,225	38.3
73.33	Reinf. Top Reinf	0.3125	26.514	26.365	2,310.4	20.05	84.85	81.9	168.3	0.0	44.6	22.50	2,213	38.3
73.50	Top - Section 2	0.2500	26.988	21.524	1,964.0	26.25	107.95	76.1	140.6	0.0	27.7	18.75	1,889	10.9
74.00		0.2500	26.909	21.461	1,946.8	26.16	107.64	76.2	139.8	0.0	27.5	18.75	1,879	10.9
74.50		0.2500	26.831	21.398	1,929.7	26.08	107.32	76.3	138.9	0.0	27.3	18.75	1,868	10.9
75.00		0.2500	26.752	21.335	1,912.7	25.99	107.01	76.4	138.1	0.0	27.1	18.75	1,858	10.9
75.50		0.2500	26.674	21.271	1,895.8	25.91	106.70	76.5	137.3	0.0	26.9	18.75	1,848	10.9
76.00		0.2500	26.596	21.208	1,879.0	25.83	106.38	76.5	136.5	0.0	26.7	18.75	1,838	10.9
76.50		0.2500	26.517	21.145	1,862.2	25.74	106.07	76.6	135.7	0.0	26.5	18.75	1,827	10.9
77.00		0.2500	26.439	21.082	1,845.6	25.66	105.76	76.7	134.9	0.0	26.3	18.75	1,817	10.9
77.50		0.2500	26.361	21.019	1,829.1	25.57	105.44	76.8	134.0	0.0	26.1	18.75	1,807	10.9
78.00		0.2500	26.282	20.956	1,812.7	25.49	105.13	76.9	133.2	0.0	25.9	18.75	1,797	10.9
78.50		0.2500	26.204	20.893	1,796.4	25.41	104.82	77.0	132.4	0.0	25.7	18.75	1,787	10.9
79.00		0.2500	26.126	20.830	1,780.2	25.32	104.50	77.1	131.6	0.0	25.5	18.75	1,777	10.9
79.50		0.2500	26.047	20.767	1,764.0	25.24	104.19	77.2	130.8	0.0	25.3	18.75	1,767	10.9
80.00		0.2500	25.969	20.704	1,748.0	25.15	103.88	77.3	130.0	0.0	25.1	18.75	1,757	10.9
80.50		0.2500	25.891	20.641	1,732.1	25.07	103.56	77.4	129.2	0.0	24.9	18.75	1,747	10.9
81.00		0.2500	25.812	20.578	1,716.3	24.99	103.25	77.5	128.4	0.0	24.7	18.75	1,737	10.9
81.50		0.2500	25.734	20.515	1,700.5	24.90	102.94	77.6	127.7	0.0	24.5	18.75	1,727	10.9
82.00		0.2500	25.656	20.452	1,684.9	24.82	102.62	77.6	126.9	0.0	24.3	18.75	1,717	10.9
82.50		0.2500	25.577	20.388	1,669.3	24.73	102.31	77.7	126.1	0.0	24.1	18.75	1,707	10.9
83.00		0.2500	25.499	20.325	1,653.9	24.65	102.00	77.8	125.3	0.0	23.9	18.75	1,697	10.9
83.50		0.2500	25.421	20.262	1,638.5	24.57	101.68	77.9	124.5	0.0	23.7	18.75	1,687	10.9
84.00		0.2500	25.342	20.199	1,623.3	24.48	101.37	78.0	123.7	0.0	23.5	18.75	1,678	10.9
84.50		0.2500	25.264	20.136	1,608.1	24.40	101.06	78.1	123.0	0.0	23.3	18.75	1,668	10.9
85.00		0.2500	25.185	20.073	1,593.1	24.31	100.74	78.2	122.2	0.0	23.1	18.75	1,658	10.9
85.50		0.2500	25.107	20.010	1,578.1	24.23	100.43	78.3	121.4	0.0	22.9	18.75	1,648	10.9
86.00		0.2500	25.029	19.947	1,563.2	24.15	100.12	78.4	120.7	0.0	22.7	18.75	1,639	10.9
86.50		0.2500	24.950	19.884	1,548.4	24.06	99.80	78.5	119.9	0.0	22.5	18.75	1,629	10.9
87.00		0.2500	24.872	19.821	1,533.8	23.98	99.49	78.6	119.1	0.0	22.3	18.75	1,620	10.9
87.50		0.2500	24.794	19.758	1,519.2	23.89	99.17	78.7	118.4	0.0	22.1	18.75	1,610	10.9
88.00		0.2500	24.715	19.695	1,504.7	23.81	98.86	78.7	117.6	0.0	21.9	18.75	1,600	10.9
88.50		0.2500	24.637	19.632	1,490.3	23.73	98.55	78.8	116.9	0.0	21.7	18.75	1,591	10.9
89.00		0.2500	24.559	19.568	1,475.9	23.64	98.23	78.9	116.1	0.0	21.5	18.75	1,581	10.9
89.50		0.2500	24.480	19.505	1,461.7	23.56	97.92	79.0	115.3	0.0	21.3	18.75	1,572	10.9
90.00		0.2500	24.402	19.442	1,447.6	23.47	97.61	79.1	114.6	0.0	21.1	18.75	1,563	10.9
90.50		0.2500	24.324	19.379	1,433.5	23.39	97.29	79.2	113.9	0.0	20.9	18.75	1,553	10.9
91.00		0.2500	24.245	19.316	1,419.6	23.31	96.98	79.3	113.1	0.0	20.7	18.75	1,544	10.9

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:14 PM

Customer: SPRINT NEXTEL

91.50	0.2500	24.167	19.253	1,405.7	23.22	96.67	79.4	112.4	0.0	32.8	18.75	1,534	31.9	
92.00	0.2500	24.089	19.190	1,392.0	23.14	96.35	79.5	111.6	0.0	32.7	18.75	1,525	31.9	
92.50	0.2500	24.010	19.127	1,378.3	23.05	96.04	79.6	110.9	0.0	32.6	18.75	1,516	31.9	
93.00	0.2500	23.932	19.064	1,364.7	22.97	95.73	79.7	110.2	0.0	32.5	18.75	1,507	31.9	
93.50	0.2500	23.854	19.001	1,351.2	22.89	95.41	79.8	109.4	0.0	32.4	18.75	1,497	31.9	
94.00	0.2500	23.775	18.938	1,337.8	22.80	95.10	79.8	108.7	0.0	32.3	18.75	1,488	31.9	
94.50	0.2500	23.697	18.875	1,324.4	22.72	94.79	79.9	108.0	0.0	32.2	18.75	1,479	31.9	
95.00	0.2500	23.618	18.812	1,311.2	22.63	94.47	80.0	107.2	0.0	32.1	18.75	1,470	31.9	
95.50	0.2500	23.540	18.749	1,298.1	22.55	94.16	80.1	106.5	0.0	32.0	18.75	1,461	31.9	
96.00	0.2500	23.462	18.685	1,285.0	22.47	93.85	80.2	105.8	0.0	31.8	18.75	1,452	31.9	
96.50	0.2500	23.383	18.622	1,272.0	22.38	93.53	80.3	105.1	0.0	31.7	18.75	1,442	31.9	
97.00	0.2500	23.305	18.559	1,259.2	22.30	93.22	80.4	104.4	0.0	31.6	18.75	1,433	31.9	
97.50	0.2500	23.227	18.496	1,246.4	22.21	92.91	80.5	103.7	0.0	31.5	18.75	1,424	31.9	
98.00	0.2500	23.148	18.433	1,233.7	22.13	92.59	80.6	103.0	0.0	31.4	18.75	1,415	31.9	
98.50	0.2500	23.070	18.370	1,221.0	22.05	92.28	80.7	102.2	0.0	31.3	18.75	1,407	31.9	
99.00	0.2500	22.992	18.307	1,208.5	21.96	91.97	80.8	101.5	0.0	31.2	18.75	1,398	31.9	
99.50	0.2500	22.913	18.244	1,196.1	21.88	91.65	80.9	100.8	0.0	31.1	18.75	1,389	31.9	
100.0	0.2500	22.835	18.181	1,183.7	21.79	91.34	80.9	100.1	0.0	31.0	18.75	1,380	31.9	
100.5	0.2500	22.757	18.118	1,171.4	21.71	91.03	81.0	99.4	0.0	30.9	18.75	1,371	31.9	
101.0	0.2500	22.678	18.055	1,159.2	21.63	90.71	81.1	98.7	0.0	30.8	18.75	1,362	31.9	
101.5	0.2500	22.600	17.992	1,147.1	21.54	90.40	81.2	98.1	0.0	30.7	18.75	1,353	31.9	
102.0	0.2500	22.522	17.929	1,135.1	21.46	90.09	81.3	97.4	0.0	30.6	18.75	1,345	31.9	
102.5	0.2500	22.443	17.866	1,123.2	21.38	89.77	81.4	96.7	0.0	30.4	18.75	1,336	31.9	
103.0	0.2500	22.365	17.802	1,111.3	21.29	89.46	81.5	96.0	0.0	30.3	18.75	1,327	31.9	
103.5	0.2500	22.287	17.739	1,099.5	21.21	89.15	81.6	95.3	0.0	30.2	18.75	1,319	31.9	
104.0	0.2500	22.208	17.676	1,087.9	21.12	88.83	81.7	94.6	0.0	30.1	18.75	1,310	31.9	
104.5	0.2500	22.130	17.613	1,076.3	21.04	88.52	81.8	94.0	0.0	30.0	18.75	1,301	31.9	
105.0	0.2500	22.051	17.550	1,064.7	20.96	88.21	81.9	93.3	0.0	29.9	18.75	1,293	31.9	
105.5	0.2500	21.973	17.487	1,053.3	20.87	87.89	81.9	92.6	0.0	29.8	18.75	1,284	31.9	
106.0	0.2500	21.895	17.424	1,041.9	20.79	87.58	81.9	91.9	0.0	29.7	18.75	1,276	31.9	
106.5	0.2500	21.816	17.361	1,030.7	20.70	87.27	81.9	91.3	0.0	29.6	18.75	1,267	31.9	
107.0	0.2500	21.738	17.298	1,019.5	20.62	86.95	81.9	90.6	0.0	29.5	18.75	1,259	31.9	
107.5	0.2500	21.660	17.235	1,008.4	20.54	86.64	81.9	89.9	0.0	29.4	18.75	1,250	31.9	
108.0	0.2500	21.581	17.172	997.3	20.45	86.33	81.9	89.3	0.0	29.3	18.75	1,242	31.9	
108.5	0.2500	21.503	17.109	986.4	20.37	86.01	81.9	88.6	0.0	29.2	18.75	1,234	31.9	
109.0	0.2500	21.425	17.046	975.5	20.28	85.70	81.9	88.0	0.0	29.1	18.75	1,225	31.9	
109.5	0.2500	21.346	16.983	964.7	20.20	85.39	81.9	87.3	0.0	28.9	18.75	1,217	31.9	
110.0	Top - Section 3	0.2500	21.268	16.919	954.0	20.12	85.07	81.9	86.7	0.0	28.8	18.75	1,209	31.9
110.0	Bot - Section 4	0.1875	21.268	12.727	721.9	27.71	113.43	74.5	65.6	0.0	15.00	961.7		
110.5		0.1875	21.190	12.680	713.9	27.60	113.01	74.6	65.1	0.0	21.6	15.00	955.1	25.5
111.0		0.1875	21.111	12.633	705.9	27.49	112.59	74.7	64.6	0.0	21.5	15.00	948.5	25.5
111.5		0.1875	21.033	12.585	698.0	27.38	112.18	74.9	64.1	0.0	21.5	15.00	942.0	25.5
112.0		0.1875	20.955	12.538	690.2	27.27	111.76	75.0	63.6	0.0	21.4	15.00	935.4	25.5
112.5		0.1875	20.876	12.491	682.4	27.15	111.34	75.1	63.1	0.0	21.3	15.00	928.9	25.5
113.0		0.1875	20.798	12.444	674.7	27.04	110.92	75.2	62.7	0.0	21.2	15.00	922.4	25.5
113.5		0.1875	20.720	12.396	667.0	26.93	110.50	75.3	62.2	0.0	21.1	15.00	916.0	25.5
114.0		0.1875	20.641	12.349	659.4	26.82	110.09	75.5	61.7	0.0	21.1	15.00	909.5	25.5
114.5		0.1875	20.563	12.302	651.9	26.71	109.67	75.6	61.2	0.0	21.0	15.00	903.1	25.5
115.0		0.1875	20.484	12.254	644.4	26.59	109.25	75.7	60.8	0.0	20.9	15.00	896.7	25.5
115.5		0.1875	20.406	12.207	636.9	26.48	108.83	75.8	60.3	0.0	20.8	15.00	890.3	25.5
116.0		0.1875	20.328	12.160	629.6	26.37	108.41	76.0	59.8	0.0	20.7	15.00	884.0	25.5
116.5	Reinf. Top	0.1875	20.249	12.112	622.2	26.26	108.00	76.1	59.4	0.0	20.6	15.00	877.7	25.5
117.0		0.1875	20.171	12.065	615.0	26.15	107.58	76.2	58.9	0.0	20.6			
117.5		0.1875	20.093	12.018	607.8	26.03	107.16	76.3	58.4	0.0	20.5			
118.0		0.1875	20.014	11.970	600.6	25.92	106.74	76.4	58.0	0.0	20.4			
118.5		0.1875	19.936	11.923	593.5	25.81	106.33	76.6	57.5	0.0	20.3			
119.0		0.1875	19.858	11.876	586.5	25.70	105.91	76.7	57.1	0.0	20.2			
119.5		0.1875	19.779	11.829	579.5	25.59	105.49	76.8	56.6	0.0	20.2			
120.0		0.1875	19.701	11.781	572.6	25.47	105.07	76.9	56.1	0.0	20.1			
120.5		0.1875	19.623	11.734	565.7	25.36	104.65	77.1	55.7	0.0	20.0			
121.0		0.1875	19.544	11.687	558.9	25.25	104.24	77.2	55.2	0.0	19.9			
121.5		0.1875	19.466	11.639	552.2	25.14	103.82	77.3	54.8	0.0	19.8			
122.0		0.1875	19.388	11.592	545.4	25.03	103.40	77.4	54.4	0.0	19.8			
122.5		0.1875	19.309	11.545	538.8	24.91	102.98	77.5	53.9	0.0	19.7			

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:14 PM

Customer: SPRINT NEXTEL

123.0	0.1875	19.231	11.497	532.2	24.80	102.56	77.7	53.5	0.0	19.6
123.5	0.1875	19.153	11.450	525.7	24.69	102.15	77.8	53.0	0.0	19.5
124.0	0.1875	19.074	11.403	519.2	24.58	101.73	77.9	52.6	0.0	19.4
124.5	0.1875	18.996	11.356	512.7	24.47	101.31	78.0	52.1	0.0	19.4
125.0	0.1875	18.917	11.308	506.4	24.35	100.89	78.2	51.7	0.0	19.3
125.5	0.1875	18.839	11.261	500.0	24.24	100.48	78.3	51.3	0.0	19.2
126.0	0.1875	18.761	11.214	493.8	24.13	100.06	78.4	50.8	0.0	19.1
126.5	0.1875	18.682	11.166	487.5	24.02	99.64	78.5	50.4	0.0	19.0
127.0	0.1875	18.604	11.119	481.4	23.91	99.22	78.6	50.0	0.0	19.0
127.5	0.1875	18.526	11.072	475.2	23.79	98.80	78.8	49.6	0.0	18.9
128.0	0.1875	18.447	11.024	469.2	23.68	98.39	78.9	49.1	0.0	18.8
128.5	0.1875	18.369	10.977	463.2	23.57	97.97	79.0	48.7	0.0	18.7
129.0	0.1875	18.291	10.930	457.2	23.46	97.55	79.1	48.3	0.0	18.6
129.5	0.1875	18.212	10.882	451.3	23.35	97.13	79.3	47.9	0.0	18.6
130.0	0.1875	18.134	10.835	445.4	23.24	96.71	79.4	47.5	0.0	18.5
130.5	0.1875	18.056	10.788	439.6	23.12	96.30	79.5	47.0	0.0	18.4
131.0	0.1875	17.977	10.741	433.9	23.01	95.88	79.6	46.6	0.0	18.3
131.5	0.1875	17.899	10.693	428.2	22.90	95.46	79.7	46.2	0.0	18.2
132.0	0.1875	17.821	10.646	422.5	22.79	95.04	79.9	45.8	0.0	18.2
132.5	0.1875	17.742	10.599	416.9	22.68	94.63	80.0	45.4	0.0	18.1
133.0	0.1875	17.664	10.551	411.3	22.56	94.21	80.1	45.0	0.0	18.0
133.5	0.1875	17.586	10.504	405.8	22.45	93.79	80.2	44.6	0.0	17.9
134.0	0.1875	17.507	10.457	400.4	22.34	93.37	80.4	44.2	0.0	17.8
134.5	0.1875	17.429	10.409	395.0	22.23	92.95	80.5	43.8	0.0	17.8
135.0	0.1875	17.350	10.362	389.6	22.12	92.54	80.6	43.4	0.0	17.7
135.5	0.1875	17.272	10.315	384.3	22.00	92.12	80.7	43.0	0.0	17.6
136.0	0.1875	17.194	10.268	379.0	21.89	91.70	80.8	42.6	0.0	17.5
136.5	0.1875	17.115	10.220	373.8	21.78	91.28	81.0	42.2	0.0	17.4
137.0	0.1875	17.037	10.173	368.6	21.67	90.86	81.1	41.8	0.0	17.3
137.5	0.1875	16.959	10.126	363.5	21.56	90.45	81.2	41.4	0.0	17.3
138.0	0.1875	16.880	10.078	358.5	21.44	90.03	81.3	41.0	0.0	17.2
138.5	0.1875	16.802	10.031	353.4	21.33	89.61	81.4	40.6	0.0	17.1
139.0	0.1875	16.724	9.984	348.5	21.22	89.19	81.6	40.3	0.0	17.0
139.5	0.1875	16.645	9.936	343.5	21.11	88.78	81.7	39.9	0.0	16.9
140.0	0.1875	16.567	9.889	338.6	21.00	88.36	81.8	39.5	0.0	16.9
140.5	0.1875	16.489	9.842	333.8	20.88	87.94	81.9	39.1	0.0	16.8
141.0	0.1875	16.410	9.795	329.0	20.77	87.52	81.9	38.7	0.0	16.7
141.5	0.1875	16.332	9.747	324.3	20.66	87.10	81.9	38.4	0.0	16.6
142.0	0.1875	16.254	9.700	319.6	20.55	86.69	81.9	38.0	0.0	16.5
142.5	0.1875	16.175	9.653	314.9	20.44	86.27	81.9	37.6	0.0	16.5
143.0	0.1875	16.097	9.605	310.3	20.32	85.85	81.9	37.2	0.0	16.4
143.5	0.1875	16.019	9.558	305.8	20.21	85.43	81.9	36.9	0.0	16.3
144.0	0.1875	15.940	9.511	301.2	20.10	85.01	81.9	36.5	0.0	16.2
144.5	0.1875	15.862	9.463	296.8	19.99	84.60	81.9	36.1	0.0	16.1
145.0	0.1875	15.783	9.416	292.3	19.88	84.18	81.9	35.8	0.0	16.1
145.5	0.1875	15.705	9.369	288.0	19.76	83.76	81.9	35.4	0.0	16.0
146.0	0.1875	15.627	9.321	283.6	19.65	83.34	81.9	35.1	0.0	15.9
146.5	0.1875	15.548	9.274	279.3	19.54	82.93	81.9	34.7	0.0	15.8
147.0	0.1875	15.470	9.227	275.1	19.43	82.51	81.9	34.3	0.0	15.7
147.5	0.1875	15.392	9.180	270.9	19.32	82.09	81.9	34.0	0.0	15.7
148.0	0.1875	15.313	9.132	266.7	19.20	81.67	81.9	33.6	0.0	15.6
148.5	0.1875	15.235	9.085	262.6	19.09	81.25	81.9	33.3	0.0	15.5
149.0	0.1875	15.157	9.038	258.5	18.98	80.84	81.9	32.9	0.0	15.4
149.5	0.1875	15.078	8.990	254.4	18.87	80.42	81.9	32.6	0.0	15.3
150.0	0.1875	15.000	8.943	250.5	18.76	80.00	81.9	32.3	0.0	15.3

13,372.1

8,752.2

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:15 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W	101 mph with No Ice	41 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		24.6	0.0					0.0	0.0	24.6	0.0	0.0	0.0
0.50		49.2	91.1					0.0	53.6	49.2	144.7	0.0	0.0
1.00		49.1	90.9					0.0	53.6	49.1	144.5	0.0	0.0
1.50		49.0	90.7					0.0	53.6	49.0	144.3	0.0	0.0
2.00		48.9	90.6					0.0	53.6	48.9	144.1	0.0	0.0
2.50		48.8	90.4					0.0	53.6	48.8	143.9	0.0	0.0
3.00		48.7	90.2					0.0	53.6	48.7	143.7	0.0	0.0
3.50		48.6	90.0					0.0	53.6	48.6	143.5	0.0	0.0
4.00		48.5	89.8					0.0	53.6	48.5	143.3	0.0	0.0
4.50		48.4	89.6					0.0	53.6	48.4	143.1	0.0	0.0
5.00		48.3	89.4					0.0	53.6	48.3	142.9	0.0	0.0
5.50		48.1	89.2					0.0	53.6	48.1	142.8	0.0	0.0
6.00		48.0	89.0					0.0	53.6	48.0	142.6	0.0	0.0
6.50		47.9	88.8					0.0	53.6	47.9	142.4	0.0	0.0
7.00		47.8	88.6					0.0	53.6	47.8	142.2	0.0	0.0
7.50		47.7	88.4					0.0	53.6	47.7	142.0	0.0	0.0
8.00		47.6	88.2					0.0	53.6	47.6	141.8	0.0	0.0
8.50		47.5	88.0					0.0	80.9	47.5	169.0	0.0	0.0
9.00		47.4	87.8					0.0	80.9	47.4	168.8	0.0	0.0
9.50		47.3	87.7					0.0	80.9	47.3	168.6	0.0	0.0
10.00		47.2	87.5					0.0	80.9	47.2	168.4	0.0	0.0
10.50		47.1	87.3					0.0	80.9	47.1	168.2	0.0	0.0
11.00		47.0	87.1					0.0	80.9	47.0	168.0	0.0	0.0
11.50		46.9	86.9					0.0	80.9	46.9	167.8	0.0	0.0
12.00		46.8	86.7					0.0	80.9	46.8	167.6	0.0	0.0
12.50		46.7	86.5					0.0	80.9	46.7	167.4	0.0	0.0
13.00		46.6	86.3					0.0	80.9	46.6	167.2	0.0	0.0
13.50		46.5	86.1					0.0	80.9	46.5	167.0	0.0	0.0
14.00		46.4	85.9					0.0	80.9	46.4	166.8	0.0	0.0
14.50		46.3	85.7					0.0	80.9	46.3	166.6	0.0	0.0
15.00		46.2	85.5					0.0	80.9	46.2	166.4	0.0	0.0
15.50		46.1	85.3					0.0	80.9	46.1	166.2	0.0	0.0
16.00		46.0	85.1					0.0	80.9	46.0	166.1	0.0	0.0
16.50		45.9	85.0					0.0	80.9	45.9	165.9	0.0	0.0
17.00		45.8	84.8					0.0	80.9	45.8	165.7	0.0	0.0
17.50		45.7	84.6					0.0	80.9	45.7	165.5	0.0	0.0
18.00		45.6	84.4					0.0	80.9	45.6	165.3	0.0	0.0
18.50		45.5	84.2					0.0	80.9	45.5	165.1	0.0	0.0
19.00		45.4	84.0					0.0	80.9	45.4	164.9	0.0	0.0
19.50		45.3	83.8					0.0	80.9	45.3	164.7	0.0	0.0
20.00		45.2	83.6					0.0	80.9	45.2	164.5	0.0	0.0
20.50		45.0	83.4					0.0	80.9	45.0	164.3	0.0	0.0
21.00		44.9	83.2					0.0	80.9	44.9	164.1	0.0	0.0
21.50		44.9	83.0					0.0	80.9	44.9	163.9	0.0	0.0
22.00		44.8	82.8					0.0	80.9	44.8	163.7	0.0	0.0
22.50		44.7	82.6					0.0	80.9	44.7	163.5	0.0	0.0
23.00		44.7	82.4					0.0	80.9	44.7	163.3	0.0	0.0
23.50		44.6	82.2					0.0	80.9	44.6	163.2	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:34 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W	101 mph with No Ice				41 Iterations			
Gust Response Factor : 1.10					Wind Importance Factor : 1.00			
Dead Load Factor : 1.20								
Wind Load Factor : 1.60								

24.00		44.5	82.1	0.0	80.9	44.5	163.0	0.0	0.0
24.50		44.4	81.9	0.0	80.9	44.4	162.8	0.0	0.0
25.00		44.4	81.7	0.0	80.9	44.4	162.6	0.0	0.0
25.50		44.3	81.5	0.0	80.9	44.3	162.4	0.0	0.0
26.00		44.2	81.3	0.0	80.9	44.2	162.2	0.0	0.0
26.50		44.2	81.1	0.0	80.9	44.2	162.0	0.0	0.0
27.00		44.1	80.9	0.0	80.9	44.1	161.8	0.0	0.0
27.50		44.0	80.7	0.0	80.9	44.0	161.6	0.0	0.0
28.00		43.9	80.5	0.0	80.9	43.9	161.4	0.0	0.0
28.50		43.9	80.3	0.0	80.9	43.9	161.2	0.0	0.0
29.00		43.8	80.1	0.0	80.9	43.8	161.0	0.0	0.0
29.50		43.7	79.9	0.0	80.9	43.7	160.8	0.0	0.0
30.00		43.7	79.7	0.0	80.9	43.7	160.6	0.0	0.0
30.50		43.8	79.5	0.0	80.9	43.8	160.5	0.0	0.0
31.00		43.9	79.3	0.0	80.9	43.9	160.3	0.0	0.0
31.50	Bot - Section 2	44.5	79.1	0.0	80.9	44.5	160.0	0.0	0.0
32.00		45.1	146.2	0.0	80.9	45.1	227.1	0.0	0.0
32.50		45.2	145.8	0.0	80.9	45.2	226.7	0.0	0.0
33.00		45.3	145.5	0.0	80.9	45.3	226.4	0.0	0.0
33.50		45.4	145.1	0.0	80.9	45.4	226.0	0.0	0.0
34.00		45.5	144.8	0.0	80.9	45.5	225.7	0.0	0.0
34.50		45.7	144.4	0.0	80.9	45.7	225.3	0.0	0.0
35.00		45.8	144.1	0.0	80.9	45.8	225.0	0.0	0.0
35.50		30.6	143.7	0.0	80.9	30.6	224.6	0.0	0.0
35.67	Top - Section 1	22.9	47.8	0.0	27.0	22.9	74.8	0.0	0.0
36.00		38.1	43.9	0.0	54.0	38.1	97.9	0.0	0.0
36.50		30.7	65.8	0.0	80.9	30.7	146.7	0.0	0.0
36.67	Reinf. Top Reinf	22.9	22.3	0.0	27.5	22.9	49.8	0.0	0.0
37.00		38.1	43.3	0.0	48.4	38.1	91.6	0.0	0.0
37.50		46.0	65.4	0.0	73.3	46.0	138.7	0.0	0.0
38.00		46.1	65.3	0.0	73.3	46.1	138.5	0.0	0.0
38.50		46.2	65.1	0.0	73.3	46.2	138.4	0.0	0.0
39.00		46.3	65.0	0.0	73.3	46.3	138.2	0.0	0.0
39.50		46.4	64.8	0.0	73.3	46.4	138.1	0.0	0.0
40.00		46.5	64.6	0.0	73.3	46.5	137.9	0.0	0.0
40.50		46.6	64.5	0.0	73.3	46.6	137.7	0.0	0.0
41.00		46.7	64.3	0.0	73.3	46.7	137.6	0.0	0.0
41.50		46.7	64.2	0.0	73.3	46.7	137.4	0.0	0.0
42.00		46.8	64.0	0.0	73.3	46.8	137.3	0.0	0.0
42.50		46.9	63.8	0.0	73.3	46.9	137.1	0.0	0.0
43.00		47.0	63.7	0.0	73.3	47.0	136.9	0.0	0.0
43.50		47.0	63.5	0.0	73.3	47.0	136.8	0.0	0.0
44.00		47.1	63.4	0.0	73.3	47.1	136.6	0.0	0.0
44.50		47.2	63.2	0.0	73.3	47.2	136.4	0.0	0.0
45.00		47.3	63.0	0.0	73.3	47.3	136.3	0.0	0.0
45.50		47.3	62.9	0.0	73.3	47.3	136.1	0.0	0.0
46.00		47.4	62.7	0.0	73.3	47.4	136.0	0.0	0.0
46.50		47.5	62.5	0.0	73.3	47.5	135.8	0.0	0.0
47.00		47.5	62.4	0.0	73.3	47.5	135.6	0.0	0.0
47.50		47.6	62.2	0.0	73.3	47.6	135.5	0.0	0.0
48.00		47.6	62.1	0.0	73.3	47.6	135.3	0.0	0.0
48.50		47.7	61.9	0.0	73.3	47.7	135.2	0.0	0.0
49.00		47.8	61.7	0.0	73.3	47.8	135.0	0.0	0.0
49.50		47.8	61.6	0.0	73.3	47.8	134.8	0.0	0.0
50.00		47.9	61.4	0.0	73.3	47.9	134.7	0.0	0.0
50.50		47.9	61.3	0.0	73.3	47.9	134.5	0.0	0.0
51.00		48.0	61.1	0.0	73.3	48.0	134.4	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:34 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W	101 mph with No Ice				41 Iterations			
Gust Response Factor : 1.10					Wind Importance Factor : 1.00			
Dead Load Factor : 1.20								
Wind Load Factor : 1.60								

51.50	48.0	60.9	0.0	73.3	48.0	134.2	0.0	0.0	
52.00	48.1	60.8	0.0	73.3	48.1	134.0	0.0	0.0	
52.50	48.1	60.6	0.0	73.3	48.1	133.9	0.0	0.0	
53.00	48.2	60.5	0.0	73.3	48.2	133.7	0.0	0.0	
53.50	48.2	60.3	0.0	73.3	48.2	133.6	0.0	0.0	
54.00	48.2	60.1	0.0	73.3	48.2	133.4	0.0	0.0	
54.50	48.3	60.0	0.0	73.3	48.3	133.2	0.0	0.0	
55.00	48.3	59.8	0.0	73.3	48.3	133.1	0.0	0.0	
55.50	48.4	59.6	0.0	73.3	48.4	132.9	0.0	0.0	
56.00	48.4	59.5	0.0	73.3	48.4	132.7	0.0	0.0	
56.50	48.4	59.3	0.0	73.3	48.4	132.6	0.0	0.0	
57.00	48.5	59.2	0.0	73.3	48.5	132.4	0.0	0.0	
57.50	48.5	59.0	0.0	73.3	48.5	132.3	0.0	0.0	
58.00	48.5	58.8	0.0	73.3	48.5	132.1	0.0	0.0	
58.50	48.6	58.7	0.0	73.3	48.6	131.9	0.0	0.0	
59.00	48.6	58.5	0.0	73.3	48.6	131.8	0.0	0.0	
59.50	48.6	58.4	0.0	73.3	48.6	131.6	0.0	0.0	
60.00	48.7	58.2	0.0	73.3	48.7	131.5	0.0	0.0	
60.50	48.7	58.0	0.0	73.3	48.7	131.3	0.0	0.0	
61.00	48.7	57.9	0.0	73.3	48.7	131.1	0.0	0.0	
61.50	48.7	57.7	0.0	73.3	48.7	131.0	0.0	0.0	
62.00	48.8	57.6	0.0	73.3	48.8	130.8	0.0	0.0	
62.50	48.8	57.4	0.0	73.3	48.8	130.7	0.0	0.0	
63.00	48.8	57.2	0.0	73.3	48.8	130.5	0.0	0.0	
63.50	48.8	57.1	0.0	73.3	48.8	130.3	0.0	0.0	
64.00	48.8	56.9	0.0	73.3	48.8	130.2	0.0	0.0	
64.50	48.9	56.8	0.0	73.3	48.9	130.0	0.0	0.0	
65.00	48.9	56.6	0.0	73.3	48.9	129.9	0.0	0.0	
65.50	48.9	56.4	0.0	73.3	48.9	129.7	0.0	0.0	
66.00	48.9	56.3	0.0	73.3	48.9	129.5	0.0	0.0	
66.50	48.9	56.1	0.0	73.3	48.9	129.4	0.0	0.0	
67.00	48.9	55.9	0.0	73.3	48.9	129.2	0.0	0.0	
67.50	49.0	55.8	0.0	73.3	49.0	129.0	0.0	0.0	
68.00	49.0	55.6	0.0	73.3	49.0	128.9	0.0	0.0	
68.50	49.0	55.5	0.0	73.3	49.0	128.7	0.0	0.0	
69.00	49.0	55.3	0.0	73.3	49.0	128.6	0.0	0.0	
69.50	49.0	55.1	0.0	73.3	49.0	128.4	0.0	0.0	
70.00	Bot - Section 3	49.5	55.0	0.0	73.2	49.5	128.2	0.0	0.0
70.50		49.9	99.6	0.0	73.3	49.9	172.9	0.0	0.0
71.00		49.9	99.3	0.0	73.3	49.9	172.6	0.0	0.0
71.50		49.9	99.0	0.0	73.3	49.9	172.3	0.0	0.0
72.00		49.9	98.7	0.0	73.3	49.9	172.0	0.0	0.0
72.50		50.0	98.4	0.0	73.3	50.0	171.7	0.0	0.0
73.00		41.5	98.2	0.0	73.3	41.5	171.4	0.0	0.0
73.33	Reinf. Top Reinf	25.0	64.6	0.0	48.4	25.0	113.0	0.0	0.0
73.50	Top - Section 2	33.3	33.2	0.0	22.3	33.3	55.6	0.0	0.0
74.00		49.6	43.9	0.0	65.7	49.6	109.6	0.0	0.0
74.50		49.6	43.8	0.0	65.7	49.6	109.4	0.0	0.0
75.00		49.6	43.6	0.0	65.7	49.6	109.3	0.0	0.0
75.50		49.6	43.5	0.0	65.7	49.6	109.2	0.0	0.0
76.00		49.6	43.4	0.0	65.7	49.6	109.1	0.0	0.0
76.50		49.6	43.2	0.0	65.7	49.6	108.9	0.0	0.0
77.00		49.6	43.1	0.0	65.7	49.6	108.8	0.0	0.0
77.50		49.6	43.0	0.0	65.7	49.6	108.7	0.0	0.0
78.00		49.6	42.8	0.0	65.7	49.6	108.5	0.0	0.0
78.50		49.6	42.7	0.0	65.7	49.6	108.4	0.0	0.0
79.00		49.6	42.6	0.0	65.7	49.6	108.3	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:34 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W	101 mph with No Ice				41 Iterations			
Gust Response Factor : 1.10					Wind Importance Factor : 1.00			
Dead Load Factor : 1.20								
Wind Load Factor : 1.60								

79.50	49.6	42.5	0.0	65.7	49.6	108.2	0.0	0.0
80.00	49.6	42.3	0.0	65.7	49.6	108.0	0.0	0.0
80.50	49.6	42.2	0.0	65.7	49.6	107.9	0.0	0.0
81.00	49.6	42.1	0.0	65.7	49.6	107.8	0.0	0.0
81.50	49.6	41.9	0.0	65.7	49.6	107.6	0.0	0.0
82.00	49.6	41.8	0.0	65.7	49.6	107.5	0.0	0.0
82.50	49.6	41.7	0.0	65.7	49.6	107.4	0.0	0.0
83.00	49.6	41.6	0.0	65.7	49.6	107.3	0.0	0.0
83.50	49.5	41.4	0.0	65.7	49.5	107.1	0.0	0.0
84.00	49.5	41.3	0.0	65.7	49.5	107.0	0.0	0.0
84.50	49.5	41.2	0.0	65.7	49.5	106.9	0.0	0.0
85.00	49.5	41.0	0.0	65.7	49.5	106.7	0.0	0.0
85.50	49.5	40.9	0.0	65.7	49.5	106.6	0.0	0.0
86.00	49.5	40.8	0.0	65.7	49.5	106.5	0.0	0.0
86.50	49.5	40.7	0.0	65.7	49.5	106.4	0.0	0.0
87.00	49.4	40.5	0.0	65.7	49.4	106.2	0.0	0.0
87.50	49.4	40.4	0.0	65.7	49.4	106.1	0.0	0.0
88.00	49.4	40.3	0.0	65.7	49.4	106.0	0.0	0.0
88.50	49.4	40.1	0.0	65.7	49.4	105.8	0.0	0.0
89.00	49.4	40.0	0.0	65.7	49.4	105.7	0.0	0.0
89.50	49.3	39.9	0.0	65.7	49.3	105.6	0.0	0.0
90.00	49.3	39.8	0.0	65.7	49.3	105.5	0.0	0.0
90.50	49.3	39.6	0.0	65.7	49.3	105.3	0.0	0.0
91.00	49.3	39.5	0.0	65.7	49.3	105.2	0.0	0.0
91.50	49.3	39.4	0.0	65.7	49.3	105.1	0.0	0.0
92.00	49.2	39.2	0.0	65.7	49.2	104.9	0.0	0.0
92.50	49.2	39.1	0.0	65.7	49.2	104.8	0.0	0.0
93.00	49.2	39.0	0.0	65.7	49.2	104.7	0.0	0.0
93.50	49.2	38.9	0.0	65.7	49.2	104.6	0.0	0.0
94.00	49.1	38.7	0.0	65.7	49.1	104.4	0.0	0.0
94.50	49.1	38.6	0.0	65.7	49.1	104.3	0.0	0.0
95.00	49.1	38.5	0.0	65.7	49.1	104.2	0.0	0.0
95.50	49.1	38.3	0.0	65.7	49.1	104.0	0.0	0.0
96.00	49.0	38.2	0.0	65.7	49.0	103.9	0.0	0.0
96.50	49.0	38.1	0.0	65.7	49.0	103.8	0.0	0.0
97.00	49.0	38.0	0.0	65.7	49.0	103.7	0.0	0.0
97.50	48.9	37.8	0.0	65.7	48.9	103.5	0.0	0.0
98.00	48.9	37.7	0.0	65.7	48.9	103.4	0.0	0.0
98.50	48.9	37.6	0.0	65.7	48.9	103.3	0.0	0.0
99.00	48.9	37.4	0.0	65.7	48.9	103.1	0.0	0.0
99.50	48.8	37.3	0.0	65.7	48.8	103.0	0.0	0.0
100.00	48.8	37.2	0.0	65.7	48.8	102.9	0.0	0.0
100.50	48.8	37.1	0.0	65.7	48.8	102.8	0.0	0.0
101.00	48.7	36.9	0.0	65.7	48.7	102.6	0.0	0.0
101.50	48.7	36.8	0.0	65.7	48.7	102.5	0.0	0.0
102.00	48.7	36.7	0.0	65.7	48.7	102.4	0.0	0.0
102.50	48.6	36.5	0.0	65.7	48.6	102.2	0.0	0.0
103.00	48.6	36.4	0.0	65.7	48.6	102.1	0.0	0.0
103.50	48.6	36.3	0.0	65.7	48.6	102.0	0.0	0.0
104.00	48.5	36.2	0.0	65.7	48.5	101.9	0.0	0.0
104.50	48.5	36.0	0.0	65.7	48.5	101.7	0.0	0.0
105.00	48.4	35.9	0.0	65.7	48.4	101.6	0.0	0.0
105.50	48.4	35.8	0.0	65.7	48.4	101.5	0.0	0.0
106.00	48.4	35.6	0.0	65.7	48.4	101.3	0.0	0.0
106.50	48.3	35.5	0.0	65.7	48.3	101.2	0.0	0.0
107.00	48.3	35.4	0.0	65.7	48.3	101.1	0.0	0.0
107.50	48.2	35.3	0.0	65.7	48.2	101.0	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

@2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:34 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W	101 mph with No Ice				41 Iterations			
Gust Response Factor : 1.10					Wind Importance Factor : 1.00			
Dead Load Factor : 1.20								
Wind Load Factor : 1.60								

108.00	48.2	35.1			0.0	65.7	48.2	100.8	0.0	0.0			
108.50	48.2	35.0			0.0	65.7	48.2	100.7	0.0	0.0			
109.00	48.1	34.9			0.0	65.7	48.1	100.6	0.0	0.0			
109.50	48.1	34.7			0.0	65.7	48.1	100.4	0.0	0.0			
110.00	Top - Section 3	48.0	34.6		0.0	65.7	48.0	100.3	0.0	0.0			
110.50		48.0	25.9		0.0	58.0	48.0	83.9	0.0	0.0			
111.00		48.0	25.8		0.0	58.0	48.0	83.8	0.0	0.0			
111.50		47.9	25.7		0.0	58.0	47.9	83.7	0.0	0.0			
112.00		47.9	25.6		0.0	58.0	47.9	83.6	0.0	0.0			
112.50		47.8	25.6		0.0	58.0	47.8	83.5	0.0	0.0			
113.00		47.8	25.5		0.0	58.0	47.8	83.4	0.0	0.0			
113.50		47.7	25.4		0.0	58.0	47.7	83.3	0.0	0.0			
114.00		47.7	25.3		0.0	58.0	47.7	83.2	0.0	0.0			
114.50		47.6	25.2		0.0	58.0	47.6	83.1	0.0	0.0			
115.00		47.6	25.1		0.0	58.0	47.6	83.0	0.0	0.0			
115.50		47.5	25.0		0.0	58.0	47.5	82.9	0.0	0.0			
116.00		47.5	24.9		0.0	58.0	47.5	82.9	0.0	0.0			
116.50	Reinf. Top	47.4	24.8		0.0	58.0	47.4	82.8	0.0	0.0			
117.00		47.4	24.7		0.0	27.4	47.4	52.0	0.0	0.0			
117.50		47.4	24.6		0.0	27.4	47.4	51.9	0.0	0.0			
118.00		47.3	24.5		0.0	27.4	47.3	51.8	0.0	0.0			
118.50		47.3	24.4		0.0	27.4	47.3	51.8	0.0	0.0			
119.00		47.2	24.3		0.0	27.4	47.2	51.7	0.0	0.0			
119.50		47.2	24.2		0.0	27.4	47.2	51.6	0.0	0.0			
120.00		47.1	24.1		0.0	27.4	47.1	51.5	0.0	0.0			
120.50		47.0	24.0		0.0	27.4	47.0	51.4	0.0	0.0			
121.00		47.0	23.9		0.0	27.4	47.0	51.3	0.0	0.0			
121.50		46.9	23.8		0.0	27.4	46.9	51.2	0.0	0.0			
122.00		46.9	23.7		0.0	27.4	46.9	51.1	0.0	0.0			
122.50		46.8	23.6		0.0	27.4	46.8	51.0	0.0	0.0			
123.00		46.8	23.5		0.0	27.4	46.8	50.9	0.0	0.0			
123.50		46.7	23.4		0.0	27.4	46.7	50.8	0.0	0.0			
124.00		46.7	23.3		0.0	27.4	46.7	50.7	0.0	0.0			
124.50		46.6	23.2		0.0	27.4	46.6	50.6	0.0	0.0			
125.00		46.6	23.1		0.0	27.4	46.6	50.5	0.0	0.0			
125.50		46.5	23.0		0.0	27.4	46.5	50.4	0.0	0.0			
126.00		46.5	22.9		0.0	27.4	46.5	50.3	0.0	0.0			
126.50		46.4	22.8		0.0	27.4	46.4	50.2	0.0	0.0			
127.00		46.3	22.7		0.0	27.4	46.3	50.1	0.0	0.0			
127.50		46.3	22.7		0.0	27.4	46.3	50.0	0.0	0.0			
128.00		46.2	22.6		0.0	27.4	46.2	49.9	0.0	0.0			
128.50		46.2	22.5		0.0	27.4	46.2	49.8	0.0	0.0			
129.00		46.1	22.4		0.0	27.4	46.1	49.7	0.0	0.0			
129.50		46.0	22.3		0.0	27.4	46.0	49.6	0.0	0.0			
130.00		46.0	22.2		0.0	27.4	46.0	49.5	0.0	0.0			
130.50		45.9	22.1		0.0	27.4	45.9	49.4	0.0	0.0			
131.00	Appurtenance(s)	41.4	22.0	3,718.4	0.0	0.0	3,830.6	0.0	27.4	3,759.7	3,880.0	0.0	0.0
131.50		36.8	21.9		0.0	20.4	36.8	42.3	0.0	0.0			
132.00		36.7	21.8		0.0	20.4	36.7	42.2	0.0	0.0			
132.50		36.6	21.7		0.0	20.4	36.6	42.1	0.0	0.0			
133.00		36.6	21.6		0.0	20.4	36.6	42.0	0.0	0.0			
133.50		36.5	21.5		0.0	20.4	36.5	41.9	0.0	0.0			
134.00		36.4	21.4		0.0	20.4	36.4	41.8	0.0	0.0			
134.50		36.3	21.3		0.0	20.4	36.3	41.7	0.0	0.0			
135.00		36.3	21.2		0.0	20.4	36.3	41.6	0.0	0.0			
135.50		36.2	21.1		0.0	20.4	36.2	41.5	0.0	0.0			
136.00		36.1	21.0		0.0	20.4	36.1	41.4	0.0	0.0			

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:34 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W	101 mph with No Ice				41 Iterations			
Gust Response Factor : 1.10					Wind Importance Factor : 1.00			
Dead Load Factor : 1.20								
Wind Load Factor : 1.60								

136.50		36.0	20.9				0.0	20.4	36.0	41.3	0.0	0.0	
137.00		36.0	20.8				0.0	20.4	36.0	41.2	0.0	0.0	
137.50		35.9	20.7				0.0	20.4	35.9	41.1	0.0	0.0	
138.00		35.8	20.6				0.0	20.4	35.8	41.0	0.0	0.0	
138.50		35.7	20.5				0.0	20.4	35.7	41.0	0.0	0.0	
139.00		35.7	20.4				0.0	20.4	35.7	40.9	0.0	0.0	
139.50		35.6	20.3				0.0	20.4	35.6	40.8	0.0	0.0	
140.00		35.5	20.2				0.0	20.4	35.5	40.7	0.0	0.0	
140.50		35.4	20.1				0.0	20.4	35.4	40.6	0.0	0.0	
141.00	Appurtenance(s)	34.5	20.0	487.5	0.0	0.0	79.2	0.0	20.4	522.0	119.7	0.0	0.0
141.50		33.6	19.9				0.0	17.5	33.6	37.4	0.0	0.0	
142.00		33.4	19.9				0.0	17.5	33.4	37.3	0.0	0.0	
142.50		33.3	19.8				0.0	17.5	33.3	37.2	0.0	0.0	
143.00		33.2	19.7				0.0	17.5	33.2	37.1	0.0	0.0	
143.50		33.1	19.6				0.0	17.5	33.1	37.0	0.0	0.0	
144.00		32.9	19.5				0.0	17.5	32.9	36.9	0.0	0.0	
144.50		32.8	19.4				0.0	17.5	32.8	36.8	0.0	0.0	
145.00		32.7	19.3				0.0	17.5	32.7	36.7	0.0	0.0	
145.50		32.5	19.2				0.0	17.5	32.5	36.6	0.0	0.0	
146.00		32.4	19.1				0.0	17.5	32.4	36.6	0.0	0.0	
146.50		32.3	19.0				0.0	17.5	32.3	36.5	0.0	0.0	
147.00		32.1	18.9				0.0	17.5	32.1	36.4	0.0	0.0	
147.50		32.0	18.8				0.0	17.5	32.0	36.3	0.0	0.0	
148.00		31.9	18.7				0.0	17.5	31.9	36.2	0.0	0.0	
148.50		31.7	18.6				0.0	17.5	31.7	36.1	0.0	0.0	
149.00		31.6	18.5				0.0	17.5	31.6	36.0	0.0	0.0	
149.50		31.5	18.4				0.0	17.5	31.5	35.9	0.0	0.0	
150.00	Appurtenance(s)	15.7	18.3	4,086.5	0.0	11,852.0	4,176.0	0.0	17.5	4,102.2	4,211.8	0.0	0.0
								Totals:	22,083.6	42,088.1	0.00	0.00	

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:34 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W

101 mph with No Ice

41 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	-42.08	-22.07	0.00	-2,345.13	0.00	2,345.13	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.612
0.50	-41.93	-22.04	0.00	-2,334.09	0.00	2,334.09	3,152.93	1,576.47	4,795.55	2,368.34	0.00	-0.03	0.611
1.00	-41.77	-22.01	0.00	-2,323.07	0.00	2,323.07	3,148.69	1,574.34	4,778.83	2,360.09	0.01	-0.05	0.610
1.50	-41.62	-21.98	0.00	-2,312.07	0.00	2,312.07	3,144.43	1,572.22	4,762.13	2,351.84	0.01	-0.08	0.609
2.00	-41.46	-21.95	0.00	-2,301.08	0.00	2,301.08	3,140.17	1,570.08	4,745.43	2,343.59	0.02	-0.10	0.607
2.50	-41.31	-21.92	0.00	-2,290.11	0.00	2,290.11	3,135.89	1,567.94	4,728.75	2,335.35	0.04	-0.13	0.606
3.00	-41.16	-21.89	0.00	-2,279.15	0.00	2,279.15	3,131.60	1,565.80	4,712.08	2,327.12	0.05	-0.16	0.605
3.50	-41.00	-21.86	0.00	-2,268.21	0.00	2,268.21	3,127.31	1,563.65	4,695.42	2,318.89	0.07	-0.18	0.603
4.00	-40.85	-21.83	0.00	-2,257.28	0.00	2,257.28	3,123.00	1,561.50	4,678.77	2,310.67	0.09	-0.21	0.602
4.50	-40.70	-21.80	0.00	-2,246.37	0.00	2,246.37	3,118.68	1,559.34	4,662.14	2,302.45	0.11	-0.24	0.600
5.00	-40.55	-21.77	0.00	-2,235.47	0.00	2,235.47	3,114.35	1,557.18	4,645.51	2,294.24	0.14	-0.26	0.599
5.50	-40.39	-21.73	0.00	-2,224.59	0.00	2,224.59	3,110.02	1,555.01	4,628.91	2,286.04	0.17	-0.29	0.598
6.00	-40.24	-21.70	0.00	-2,213.72	0.00	2,213.72	3,105.67	1,552.83	4,612.31	2,277.85	0.20	-0.31	0.596
6.50	-40.09	-21.67	0.00	-2,202.87	0.00	2,202.87	3,101.31	1,550.65	4,595.73	2,269.66	0.23	-0.34	0.595
7.00	-39.94	-21.64	0.00	-2,192.03	0.00	2,192.03	3,096.94	1,548.47	4,579.16	2,261.47	0.27	-0.37	0.594
7.50	-39.78	-21.61	0.00	-2,181.21	0.00	2,181.21	3,092.56	1,546.28	4,562.60	2,253.30	0.31	-0.39	0.592
8.00	-39.63	-21.58	0.00	-2,170.41	0.00	2,170.41	3,088.17	1,544.08	4,546.06	2,245.13	0.35	-0.42	0.591
8.50	-39.46	-21.55	0.00	-2,159.61	0.00	2,159.61	3,083.77	1,541.88	4,529.53	2,236.96	0.40	-0.45	0.590
9.00	-39.28	-21.52	0.00	-2,148.84	0.00	2,148.84	3,079.36	1,539.68	4,513.01	2,228.81	0.45	-0.47	0.588
9.50	-39.10	-21.49	0.00	-2,138.08	0.00	2,138.08	3,074.94	1,537.47	4,496.51	2,220.66	0.50	-0.50	0.587
10.00	-38.92	-21.46	0.00	-2,127.33	0.00	2,127.33	3,070.50	1,535.25	4,480.02	2,212.51	0.55	-0.52	0.585
10.50	-38.74	-21.43	0.00	-2,116.60	0.00	2,116.60	3,066.06	1,533.03	4,463.54	2,204.38	0.61	-0.55	0.584
11.00	-38.57	-21.40	0.00	-2,105.89	0.00	2,105.89	3,061.61	1,530.80	4,447.08	2,196.25	0.67	-0.58	0.583
11.50	-38.39	-21.37	0.00	-2,095.19	0.00	2,095.19	3,057.15	1,528.57	4,430.63	2,188.12	0.73	-0.60	0.581
12.00	-38.21	-21.34	0.00	-2,084.50	0.00	2,084.50	3,052.67	1,526.34	4,414.20	2,180.01	0.80	-0.63	0.580
12.50	-38.04	-21.31	0.00	-2,073.84	0.00	2,073.84	3,048.19	1,524.09	4,397.78	2,171.90	0.86	-0.66	0.578
13.00	-37.86	-21.27	0.00	-2,063.18	0.00	2,063.18	3,043.69	1,521.85	4,381.37	2,163.80	0.93	-0.68	0.577
13.50	-37.68	-21.24	0.00	-2,052.55	0.00	2,052.55	3,039.19	1,519.59	4,364.98	2,155.70	1.01	-0.71	0.576
14.00	-37.51	-21.21	0.00	-2,041.93	0.00	2,041.93	3,034.67	1,517.34	4,348.61	2,147.61	1.08	-0.74	0.574
14.50	-37.33	-21.18	0.00	-2,031.32	0.00	2,031.32	3,030.15	1,515.07	4,332.24	2,139.53	1.16	-0.76	0.573
15.00	-37.15	-21.15	0.00	-2,020.73	0.00	2,020.73	3,025.61	1,512.81	4,315.90	2,131.46	1.24	-0.79	0.571
15.50	-36.98	-21.12	0.00	-2,010.15	0.00	2,010.15	3,021.07	1,510.53	4,299.57	2,123.39	1.33	-0.82	0.570
16.00	-36.80	-21.09	0.00	-1,999.60	0.00	1,999.60	3,016.51	1,508.25	4,283.25	2,115.33	1.41	-0.84	0.569
16.50	-36.63	-21.06	0.00	-1,989.05	0.00	1,989.05	3,011.94	1,505.97	4,266.95	2,107.28	1.50	-0.87	0.567
17.00	-36.45	-21.02	0.00	-1,978.52	0.00	1,978.52	3,007.37	1,503.68	4,250.66	2,099.24	1.60	-0.90	0.566
17.50	-36.28	-20.99	0.00	-1,968.01	0.00	1,968.01	3,002.78	1,501.39	4,234.39	2,091.20	1.69	-0.92	0.564
18.00	-36.11	-20.96	0.00	-1,957.52	0.00	1,957.52	2,998.18	1,499.09	4,218.13	2,083.18	1.79	-0.95	0.563
18.50	-35.93	-20.93	0.00	-1,947.03	0.00	1,947.03	2,993.57	1,496.79	4,201.89	2,075.15	1.89	-0.98	0.561
19.00	-35.76	-20.90	0.00	-1,936.57	0.00	1,936.57	2,988.95	1,494.48	4,185.66	2,067.14	2.00	-1.00	0.560
19.50	-35.58	-20.87	0.00	-1,926.12	0.00	1,926.12	2,984.32	1,492.16	4,169.45	2,059.13	2.10	-1.03	0.558
20.00	-35.41	-20.84	0.00	-1,915.69	0.00	1,915.69	2,979.68	1,489.84	4,153.25	2,051.14	2.21	-1.06	0.557
20.50	-35.24	-20.80	0.00	-1,905.27	0.00	1,905.27	2,975.03	1,487.52	4,137.08	2,043.15	2.32	-1.08	0.556
21.00	-35.07	-20.77	0.00	-1,894.87	0.00	1,894.87	2,970.37	1,485.19	4,120.91	2,035.16	2.44	-1.11	0.554
21.50	-34.89	-20.74	0.00	-1,884.48	0.00	1,884.48	2,965.70	1,482.85	4,104.77	2,027.19	2.56	-1.14	0.553
22.00	-34.72	-20.71	0.00	-1,874.11	0.00	1,874.11	2,961.02	1,480.51	4,088.63	2,019.22	2.68	-1.16	0.551
22.50	-34.55	-20.68	0.00	-1,863.76	0.00	1,863.76	2,956.33	1,478.16	4,072.52	2,011.26	2.80	-1.19	0.550
23.00	-34.38	-20.64	0.00	-1,853.42	0.00	1,853.42	2,951.62	1,475.81	4,056.42	2,003.31	2.93	-1.22	0.548
23.50	-34.20	-20.61	0.00	-1,843.10	0.00	1,843.10	2,946.91	1,473.46	4,040.34	1,995.37	3.06	-1.24	0.547
24.00	-34.03	-20.58	0.00	-1,832.79	0.00	1,832.79	2,942.19	1,471.09	4,024.27	1,987.44	3.19	-1.27	0.545
24.50	-33.86	-20.55	0.00	-1,822.50	0.00	1,822.50	2,937.46	1,468.73	4,008.22	1,979.51	3.32	-1.30	0.544
25.00	-33.69	-20.52	0.00	-1,812.23	0.00	1,812.23	2,932.71	1,466.36	3,992.19	1,971.59	3.46	-1.32	0.542

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:34 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W						101 mph with No Ice						41 Iterations	
Gust Response Factor : 1.10												Wind Importance Factor : 1.00	
Dead Load Factor : 1.20													
Wind Load Factor : 1.60													

25.50	-33.52	-20.48	0.00	-1,801.97	0.00	1,801.97	2,927.96	1,463.98	3,976.18	1,963.68	3.60	-1.35	0.541
26.00	-33.35	-20.45	0.00	-1,791.73	0.00	1,791.73	2,923.19	1,461.60	3,960.18	1,955.78	3.74	-1.38	0.539
26.50	-33.18	-20.42	0.00	-1,781.50	0.00	1,781.50	2,918.42	1,459.21	3,944.20	1,947.89	3.89	-1.40	0.538
27.00	-33.01	-20.39	0.00	-1,771.29	0.00	1,771.29	2,913.63	1,456.82	3,928.23	1,940.01	4.04	-1.43	0.536
27.50	-32.84	-20.35	0.00	-1,761.10	0.00	1,761.10	2,910.08	1,455.04	3,913.96	1,932.96	4.19	-1.46	0.534
28.00	-32.67	-20.32	0.00	-1,750.93	0.00	1,750.93	2,903.11	1,451.55	3,895.11	1,923.65	4.34	-1.48	0.533
28.50	-32.50	-20.29	0.00	-1,740.77	0.00	1,740.77	2,896.13	1,448.07	3,876.32	1,914.37	4.50	-1.51	0.532
29.00	-32.33	-20.25	0.00	-1,730.62	0.00	1,730.62	2,889.16	1,444.58	3,857.57	1,905.11	4.66	-1.54	0.531
29.50	-32.16	-20.22	0.00	-1,720.49	0.00	1,720.49	2,882.19	1,441.09	3,838.86	1,895.87	4.82	-1.57	0.530
30.00	-31.99	-20.19	0.00	-1,710.38	0.00	1,710.38	2,875.21	1,437.61	3,820.20	1,886.65	4.99	-1.59	0.529
30.50	-31.82	-20.15	0.00	-1,700.29	0.00	1,700.29	2,868.24	1,434.12	3,801.59	1,877.46	5.16	-1.62	0.527
31.00	-31.65	-20.12	0.00	-1,690.21	0.00	1,690.21	2,861.26	1,430.63	3,783.02	1,868.29	5.33	-1.65	0.526
31.50	-31.49	-20.09	0.00	-1,680.15	0.00	1,680.15	2,854.29	1,427.15	3,764.50	1,859.14	5.50	-1.67	0.525
32.00	-31.25	-20.05	0.00	-1,670.11	0.00	1,670.11	2,847.32	1,423.66	3,746.02	1,850.02	5.68	-1.70	0.516
32.50	-31.02	-20.01	0.00	-1,660.08	0.00	1,660.08	2,840.34	1,420.17	3,727.58	1,840.91	5.86	-1.73	0.515
33.00	-30.78	-19.97	0.00	-1,650.08	0.00	1,650.08	2,833.37	1,416.69	3,709.20	1,831.83	6.04	-1.75	0.513
33.50	-30.55	-19.94	0.00	-1,640.09	0.00	1,640.09	2,826.40	1,413.20	3,690.85	1,822.77	6.23	-1.78	0.512
34.00	-30.32	-19.90	0.00	-1,630.12	0.00	1,630.12	2,819.42	1,409.71	3,672.56	1,813.74	6.41	-1.81	0.511
34.50	-30.08	-19.86	0.00	-1,620.18	0.00	1,620.18	2,812.45	1,406.22	3,654.31	1,804.72	6.60	-1.83	0.510
35.00	-29.85	-19.82	0.00	-1,610.25	0.00	1,610.25	2,805.48	1,402.74	3,636.10	1,795.73	6.80	-1.86	0.508
35.50	-29.62	-19.79	0.00	-1,600.34	0.00	1,600.34	2,798.50	1,399.25	3,617.94	1,786.76	6.99	-1.88	0.507
35.67	-29.54	-19.77	0.00	-1,597.04	0.00	1,597.04	2,248.07	1,124.03	2,973.91	1,468.70	7.06	-1.89	0.583
36.00	-29.44	-19.74	0.00	-1,590.45	0.00	1,590.45	2,245.83	1,122.91	2,966.06	1,464.83	7.19	-1.91	0.582
36.50	-29.29	-19.72	0.00	-1,580.58	0.00	1,580.58	2,242.46	1,121.23	2,954.30	1,459.02	7.39	-1.94	0.580
36.67	-29.23	-19.70	0.00	-1,577.22	0.00	1,577.22	2,241.31	1,120.65	2,950.31	1,457.05	7.46	-1.95	0.579
36.67	-29.23	-19.70	0.00	-1,577.22	0.00	1,577.22	2,241.31	1,120.65	2,950.31	1,457.05	7.46	-1.95	0.622
37.00	-29.13	-19.67	0.00	-1,570.72	0.00	1,570.72	2,239.08	1,119.54	2,942.55	1,453.22	7.60	-1.97	0.621
37.50	-28.99	-19.64	0.00	-1,560.89	0.00	1,560.89	2,235.69	1,117.84	2,930.81	1,447.42	7.81	-2.00	0.619
38.00	-28.84	-19.60	0.00	-1,551.07	0.00	1,551.07	2,232.29	1,116.14	2,919.08	1,441.62	8.02	-2.03	0.616
38.50	-28.69	-19.56	0.00	-1,541.27	0.00	1,541.27	2,228.88	1,114.44	2,907.36	1,435.83	8.23	-2.06	0.614
39.00	-28.54	-19.53	0.00	-1,531.49	0.00	1,531.49	2,225.46	1,112.73	2,895.64	1,430.05	8.45	-2.09	0.612
39.50	-28.40	-19.49	0.00	-1,521.73	0.00	1,521.73	2,222.03	1,111.01	2,883.93	1,424.27	8.67	-2.12	0.610
40.00	-28.25	-19.45	0.00	-1,511.98	0.00	1,511.98	2,218.59	1,109.29	2,872.23	1,418.49	8.89	-2.15	0.608
40.50	-28.11	-19.42	0.00	-1,502.25	0.00	1,502.25	2,215.14	1,107.57	2,860.55	1,412.72	9.12	-2.18	0.605
41.00	-27.96	-19.38	0.00	-1,492.55	0.00	1,492.55	2,211.67	1,105.84	2,848.87	1,406.95	9.35	-2.21	0.603
41.50	-27.81	-19.34	0.00	-1,482.86	0.00	1,482.86	2,208.20	1,104.10	2,837.20	1,401.18	9.58	-2.24	0.601
42.00	-27.67	-19.31	0.00	-1,473.19	0.00	1,473.19	2,204.72	1,102.36	2,825.53	1,395.43	9.82	-2.27	0.599
42.50	-27.52	-19.27	0.00	-1,463.53	0.00	1,463.53	2,201.23	1,100.61	2,813.88	1,389.67	10.06	-2.30	0.597
43.00	-27.38	-19.23	0.00	-1,453.90	0.00	1,453.90	2,197.72	1,098.86	2,802.24	1,383.92	10.30	-2.33	0.594
43.50	-27.23	-19.19	0.00	-1,444.28	0.00	1,444.28	2,194.21	1,097.10	2,790.61	1,378.18	10.55	-2.36	0.592
44.00	-27.09	-19.15	0.00	-1,434.69	0.00	1,434.69	2,190.68	1,095.34	2,778.98	1,372.44	10.80	-2.39	0.590
44.50	-26.94	-19.11	0.00	-1,425.11	0.00	1,425.11	2,187.15	1,093.57	2,767.37	1,366.70	11.05	-2.42	0.588
45.00	-26.80	-19.08	0.00	-1,415.56	0.00	1,415.56	2,183.60	1,091.80	2,755.77	1,360.97	11.31	-2.45	0.586
45.50	-26.66	-19.04	0.00	-1,406.02	0.00	1,406.02	2,180.05	1,090.02	2,744.17	1,355.24	11.56	-2.48	0.583
46.00	-26.51	-19.00	0.00	-1,396.50	0.00	1,396.50	2,176.48	1,088.24	2,732.59	1,349.52	11.83	-2.51	0.581
46.50	-26.37	-18.96	0.00	-1,387.00	0.00	1,387.00	2,172.91	1,086.45	2,721.02	1,343.81	12.09	-2.54	0.579
47.00	-26.23	-18.92	0.00	-1,377.52	0.00	1,377.52	2,169.32	1,084.66	2,709.45	1,338.10	12.36	-2.57	0.577
47.50	-26.08	-18.88	0.00	-1,368.07	0.00	1,368.07	2,165.72	1,082.86	2,697.90	1,332.39	12.63	-2.60	0.574
48.00	-25.94	-18.84	0.00	-1,358.63	0.00	1,358.63	2,162.11	1,081.06	2,686.36	1,326.69	12.90	-2.63	0.572
48.50	-25.80	-18.80	0.00	-1,349.21	0.00	1,349.21	2,158.50	1,079.25	2,674.83	1,321.00	13.18	-2.66	0.570
49.00	-25.65	-18.76	0.00	-1,339.81	0.00	1,339.81	2,154.87	1,077.43	2,663.31	1,315.31	13.46	-2.69	0.568
49.50	-25.51	-18.72	0.00	-1,330.43	0.00	1,330.43	2,151.23	1,075.61	2,651.80	1,309.62	13.75	-2.72	0.565
50.00	-25.37	-18.68	0.00	-1,321.07	0.00	1,321.07	2,147.58	1,073.79	2,640.30	1,303.95	14.03	-2.75	0.563
50.50	-25.23	-18.63	0.00	-1,311.74	0.00	1,311.74	2,143.92	1,071.96	2,628.81	1,298.27	14.32	-2.78	0.561
51.00	-25.09	-18.59	0.00	-1,302.42	0.00	1,302.42	2,140.25	1,070.13	2,617.34	1,292.60	14.62	-2.81	0.558
51.50	-24.94	-18.55	0.00	-1,293.12	0.00	1,293.12	2,136.57	1,068.29	2,605.87	1,286.94	14.91	-2.84	0.556
52.00	-24.80	-18.51	0.00	-1,283.85	0.00	1,283.85	2,132.88	1,066.44	2,594.42	1,281.29	15.21	-2.87	0.554

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:34 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W	101 mph with No Ice	41 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

52.50	-24.66	-18.47	0.00	-1,274.59	0.00	1,274.59	2,129.18	1,064.59	2,582.98	1,275.64	15.51	-2.90	0.551
53.00	-24.52	-18.43	0.00	-1,265.36	0.00	1,265.36	2,125.47	1,062.73	2,571.55	1,269.99	15.82	-2.93	0.549
53.50	-24.38	-18.38	0.00	-1,256.15	0.00	1,256.15	2,121.75	1,060.87	2,560.13	1,264.35	16.13	-2.96	0.547
54.00	-24.24	-18.34	0.00	-1,246.96	0.00	1,246.96	2,118.01	1,059.01	2,548.72	1,258.72	16.44	-2.99	0.544
54.50	-24.10	-18.30	0.00	-1,237.79	0.00	1,237.79	2,114.27	1,057.14	2,537.32	1,253.09	16.76	-3.02	0.542
55.00	-23.96	-18.26	0.00	-1,228.64	0.00	1,228.64	2,110.52	1,055.26	2,525.94	1,247.47	17.07	-3.05	0.540
55.50	-23.82	-18.21	0.00	-1,219.51	0.00	1,219.51	2,106.75	1,053.38	2,514.57	1,241.85	17.40	-3.08	0.537
56.00	-23.68	-18.17	0.00	-1,210.40	0.00	1,210.40	2,102.98	1,051.49	2,503.21	1,236.24	17.72	-3.11	0.535
56.50	-23.54	-18.13	0.00	-1,201.32	0.00	1,201.32	2,099.20	1,049.60	2,491.86	1,230.64	18.05	-3.14	0.533
57.00	-23.40	-18.08	0.00	-1,192.26	0.00	1,192.26	2,095.40	1,047.70	2,480.53	1,225.04	18.38	-3.17	0.530
57.50	-23.27	-18.04	0.00	-1,183.22	0.00	1,183.22	2,091.60	1,045.80	2,469.21	1,219.45	18.71	-3.20	0.528
58.00	-23.13	-17.99	0.00	-1,174.20	0.00	1,174.20	2,087.78	1,043.89	2,457.90	1,213.86	19.05	-3.23	0.526
58.50	-22.99	-17.95	0.00	-1,165.20	0.00	1,165.20	2,083.96	1,041.98	2,446.60	1,208.28	19.39	-3.26	0.523
59.00	-22.85	-17.91	0.00	-1,156.22	0.00	1,156.22	2,080.12	1,040.06	2,435.32	1,202.71	19.73	-3.29	0.521
59.50	-22.71	-17.86	0.00	-1,147.27	0.00	1,147.27	2,076.27	1,038.14	2,424.04	1,197.14	20.08	-3.32	0.519
60.00	-22.58	-17.82	0.00	-1,138.34	0.00	1,138.34	2,072.41	1,036.21	2,412.79	1,191.58	20.43	-3.35	0.516
60.50	-22.44	-17.77	0.00	-1,129.43	0.00	1,129.43	2,068.55	1,034.27	2,401.54	1,186.03	20.78	-3.38	0.514
61.00	-22.30	-17.73	0.00	-1,120.55	0.00	1,120.55	2,064.67	1,032.33	2,390.31	1,180.48	21.14	-3.41	0.511
61.50	-22.16	-17.68	0.00	-1,111.68	0.00	1,111.68	2,060.78	1,030.39	2,379.09	1,174.94	21.50	-3.44	0.509
62.00	-22.03	-17.64	0.00	-1,102.84	0.00	1,102.84	2,056.88	1,028.44	2,367.88	1,169.41	21.86	-3.47	0.507
62.50	-21.89	-17.59	0.00	-1,094.02	0.00	1,094.02	2,052.97	1,026.49	2,356.69	1,163.88	22.22	-3.50	0.504
63.00	-21.75	-17.55	0.00	-1,085.23	0.00	1,085.23	2,049.05	1,024.53	2,345.51	1,158.36	22.59	-3.53	0.502
63.50	-21.62	-17.50	0.00	-1,076.45	0.00	1,076.45	2,045.12	1,022.56	2,334.35	1,152.85	22.96	-3.56	0.499
64.00	-21.48	-17.45	0.00	-1,067.70	0.00	1,067.70	2,041.18	1,020.59	2,323.20	1,147.34	23.34	-3.59	0.497
64.50	-21.35	-17.41	0.00	-1,058.98	0.00	1,058.98	2,037.23	1,018.62	2,312.06	1,141.84	23.71	-3.62	0.494
65.00	-21.21	-17.36	0.00	-1,050.27	0.00	1,050.27	2,033.27	1,016.64	2,300.94	1,136.35	24.09	-3.65	0.492
65.50	-21.08	-17.32	0.00	-1,041.59	0.00	1,041.59	2,029.30	1,014.65	2,289.83	1,130.86	24.48	-3.67	0.489
66.00	-20.94	-17.27	0.00	-1,032.93	0.00	1,032.93	2,025.32	1,012.66	2,278.74	1,125.38	24.86	-3.70	0.487
66.50	-20.81	-17.22	0.00	-1,024.30	0.00	1,024.30	2,021.33	1,010.66	2,267.65	1,119.91	25.25	-3.73	0.485
67.00	-20.67	-17.18	0.00	-1,015.69	0.00	1,015.69	2,016.97	1,008.48	2,256.19	1,114.25	25.64	-3.76	0.482
67.50	-20.54	-17.13	0.00	-1,007.10	0.00	1,007.10	2,011.16	1,005.58	2,243.13	1,107.80	26.04	-3.79	0.480
68.00	-20.40	-17.08	0.00	-998.53	0.00	998.53	2,005.34	1,002.67	2,230.12	1,101.37	26.44	-3.82	0.478
68.50	-20.27	-17.04	0.00	-989.99	0.00	989.99	1,999.53	999.77	2,217.14	1,094.96	26.84	-3.85	0.476
69.00	-20.14	-16.99	0.00	-981.47	0.00	981.47	1,993.72	996.86	2,204.19	1,088.57	27.24	-3.88	0.474
69.50	-20.00	-16.94	0.00	-972.98	0.00	972.98	1,987.91	993.96	2,191.29	1,082.20	27.65	-3.91	0.472
70.00	-19.87	-16.89	0.00	-964.51	0.00	964.51	1,982.10	991.05	2,178.42	1,075.84	28.06	-3.94	0.470
70.50	-19.69	-16.84	0.00	-956.06	0.00	956.06	1,976.29	988.14	2,165.59	1,069.51	28.48	-3.96	0.460
71.00	-19.52	-16.79	0.00	-947.64	0.00	947.64	1,970.48	985.24	2,152.80	1,063.19	28.89	-3.99	0.458
71.50	-19.34	-16.74	0.00	-939.25	0.00	939.25	1,964.67	982.33	2,140.05	1,056.89	29.31	-4.02	0.456
72.00	-19.16	-16.68	0.00	-930.88	0.00	930.88	1,958.85	979.43	2,127.34	1,050.61	29.73	-4.05	0.453
72.50	-18.99	-16.63	0.00	-922.54	0.00	922.54	1,953.04	976.52	2,114.66	1,044.35	30.16	-4.08	0.451
73.00	-18.81	-16.58	0.00	-914.23	0.00	914.23	1,947.23	973.62	2,102.02	1,038.11	30.59	-4.11	0.449
73.33	-18.70	-16.56	0.00	-908.75	0.00	908.75	1,943.40	971.70	2,093.70	1,034.00	30.87	-4.12	0.448
73.33	-18.70	-16.56	0.00	-908.75	0.00	908.75	1,943.40	971.70	2,093.70	1,034.00	30.87	-4.12	0.489
73.50	-18.64	-16.53	0.00	-905.94	0.00	905.94	1,473.96	736.98	1,624.57	802.32	31.02	-4.13	0.583
74.00	-18.52	-16.48	0.00	-897.68	0.00	897.68	1,471.41	735.71	1,616.97	798.56	31.45	-4.16	0.579
74.50	-18.41	-16.43	0.00	-889.44	0.00	889.44	1,468.85	734.43	1,609.36	794.80	31.89	-4.20	0.576
75.00	-18.29	-16.39	0.00	-881.22	0.00	881.22	1,466.28	733.14	1,601.77	791.05	32.33	-4.23	0.572
75.50	-18.18	-16.34	0.00	-873.03	0.00	873.03	1,463.70	731.85	1,594.18	787.30	32.78	-4.26	0.569
76.00	-18.06	-16.29	0.00	-864.86	0.00	864.86	1,461.11	730.55	1,586.59	783.56	33.23	-4.30	0.565
76.50	-17.95	-16.24	0.00	-856.71	0.00	856.71	1,458.51	729.25	1,579.01	779.81	33.68	-4.33	0.561
77.00	-17.84	-16.20	0.00	-848.59	0.00	848.59	1,455.89	727.95	1,571.44	776.07	34.13	-4.36	0.558
77.50	-17.72	-16.15	0.00	-840.49	0.00	840.49	1,453.27	726.64	1,563.87	772.34	34.59	-4.40	0.554
78.00	-17.61	-16.10	0.00	-832.42	0.00	832.42	1,450.64	725.32	1,556.31	768.60	35.05	-4.43	0.551
78.50	-17.50	-16.05	0.00	-824.37	0.00	824.37	1,447.99	724.00	1,548.75	764.87	35.52	-4.46	0.547
79.00	-17.38	-16.00	0.00	-816.34	0.00	816.34	1,445.34	722.67	1,541.20	761.14	35.99	-4.49	0.544
79.50	-17.27	-15.96	0.00	-808.34	0.00	808.34	1,442.68	721.34	1,533.65	757.41	36.46	-4.53	0.540

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:35 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W				101 mph with No Ice				41 Iterations			
Gust Response Factor : 1.10								Wind Importance Factor : 1.00			
Dead Load Factor : 1.20											
Wind Load Factor : 1.60											

80.00	-17.16	-15.91	0.00	-800.36	0.00	800.36	1,440.00	720.00	1,526.12	753.69	36.93	-4.56	0.536
80.50	-17.04	-15.86	0.00	-792.41	0.00	792.41	1,437.32	718.66	1,518.59	749.97	37.41	-4.59	0.533
81.00	-16.93	-15.81	0.00	-784.48	0.00	784.48	1,434.62	717.31	1,511.06	746.26	37.90	-4.62	0.529
81.50	-16.82	-15.76	0.00	-776.58	0.00	776.58	1,431.91	715.96	1,503.54	742.54	38.38	-4.66	0.525
82.00	-16.71	-15.71	0.00	-768.70	0.00	768.70	1,429.20	714.60	1,496.03	738.83	38.87	-4.69	0.522
82.50	-16.60	-15.66	0.00	-760.84	0.00	760.84	1,426.47	713.23	1,488.53	735.13	39.36	-4.72	0.518
83.00	-16.48	-15.62	0.00	-753.01	0.00	753.01	1,423.73	711.87	1,481.03	731.43	39.86	-4.75	0.515
83.50	-16.37	-15.57	0.00	-745.20	0.00	745.20	1,420.98	710.49	1,473.54	727.73	40.36	-4.78	0.511
84.00	-16.26	-15.52	0.00	-737.42	0.00	737.42	1,418.23	709.11	1,466.06	724.03	40.86	-4.81	0.507
84.50	-16.15	-15.47	0.00	-729.66	0.00	729.66	1,415.46	707.73	1,458.58	720.34	41.36	-4.85	0.504
85.00	-16.04	-15.42	0.00	-721.92	0.00	721.92	1,412.68	706.34	1,451.11	716.65	41.87	-4.88	0.500
85.50	-15.93	-15.37	0.00	-714.22	0.00	714.22	1,409.89	704.94	1,443.65	712.97	42.39	-4.91	0.496
86.00	-15.82	-15.32	0.00	-706.53	0.00	706.53	1,407.09	703.54	1,436.20	709.28	42.90	-4.94	0.493
86.50	-15.71	-15.27	0.00	-698.87	0.00	698.87	1,404.28	702.14	1,428.75	705.61	43.42	-4.97	0.489
87.00	-15.60	-15.22	0.00	-691.24	0.00	691.24	1,401.46	700.73	1,421.32	701.93	43.94	-5.00	0.485
87.50	-15.49	-15.17	0.00	-683.63	0.00	683.63	1,398.63	699.31	1,413.89	698.26	44.47	-5.03	0.481
88.00	-15.38	-15.12	0.00	-676.04	0.00	676.04	1,395.79	697.89	1,406.46	694.60	44.99	-5.06	0.478
88.50	-15.27	-15.07	0.00	-668.49	0.00	668.49	1,392.93	696.47	1,399.05	690.94	45.53	-5.10	0.474
89.00	-15.16	-15.02	0.00	-660.95	0.00	660.95	1,390.07	695.04	1,391.64	687.28	46.06	-5.13	0.470
89.50	-15.06	-14.97	0.00	-653.44	0.00	653.44	1,387.20	693.60	1,384.25	683.63	46.60	-5.16	0.466
90.00	-14.95	-14.92	0.00	-645.96	0.00	645.96	1,384.32	692.16	1,376.86	679.98	47.14	-5.19	0.463
90.50	-14.84	-14.87	0.00	-638.50	0.00	638.50	1,381.42	690.71	1,369.48	676.33	47.68	-5.22	0.459
91.00	-14.73	-14.81	0.00	-631.07	0.00	631.07	1,378.52	689.26	1,362.10	672.69	48.23	-5.25	0.455
91.50	-14.62	-14.76	0.00	-623.66	0.00	623.66	1,375.61	687.80	1,354.74	669.06	48.78	-5.28	0.451
92.00	-14.51	-14.71	0.00	-616.28	0.00	616.28	1,372.68	686.34	1,347.39	665.42	49.34	-5.31	0.448
92.50	-14.41	-14.66	0.00	-608.93	0.00	608.93	1,369.75	684.87	1,340.04	661.80	49.89	-5.34	0.444
93.00	-14.30	-14.61	0.00	-601.60	0.00	601.60	1,366.80	683.40	1,332.70	658.17	50.45	-5.37	0.440
93.50	-14.19	-14.56	0.00	-594.29	0.00	594.29	1,363.85	681.92	1,325.38	654.55	51.02	-5.40	0.436
94.00	-14.09	-14.51	0.00	-587.01	0.00	587.01	1,360.88	680.44	1,318.06	650.94	51.58	-5.43	0.432
94.50	-13.98	-14.45	0.00	-579.76	0.00	579.76	1,357.90	678.95	1,310.75	647.33	52.15	-5.46	0.429
95.00	-13.87	-14.40	0.00	-572.53	0.00	572.53	1,354.92	677.46	1,303.45	643.72	52.72	-5.49	0.425
95.50	-13.77	-14.35	0.00	-565.33	0.00	565.33	1,351.92	675.96	1,296.16	640.12	53.30	-5.51	0.421
96.00	-13.66	-14.30	0.00	-558.15	0.00	558.15	1,348.91	674.46	1,288.88	636.53	53.88	-5.54	0.417
96.50	-13.56	-14.25	0.00	-551.00	0.00	551.00	1,345.89	672.95	1,281.61	632.94	54.46	-5.57	0.413
97.00	-13.45	-14.20	0.00	-543.88	0.00	543.88	1,342.86	671.43	1,274.35	629.35	55.04	-5.60	0.409
97.50	-13.34	-14.14	0.00	-536.78	0.00	536.78	1,339.82	669.91	1,267.09	625.77	55.63	-5.63	0.406
98.00	-13.24	-14.09	0.00	-529.71	0.00	529.71	1,336.78	668.39	1,259.85	622.19	56.22	-5.66	0.402
98.50	-13.14	-14.04	0.00	-522.67	0.00	522.67	1,333.72	666.86	1,252.62	618.62	56.81	-5.69	0.398
99.00	-13.03	-13.99	0.00	-515.65	0.00	515.65	1,330.65	665.32	1,245.40	615.06	57.41	-5.71	0.394
99.50	-12.93	-13.93	0.00	-508.65	0.00	508.65	1,327.57	663.78	1,238.19	611.50	58.01	-5.74	0.390
100.00	-12.82	-13.88	0.00	-501.69	0.00	501.69	1,324.47	662.24	1,230.99	607.94	58.61	-5.77	0.386
100.50	-12.72	-13.83	0.00	-494.75	0.00	494.75	1,321.37	660.69	1,223.80	604.39	59.22	-5.80	0.382
101.00	-12.61	-13.78	0.00	-487.83	0.00	487.83	1,318.26	659.13	1,216.62	600.84	59.83	-5.82	0.378
101.50	-12.51	-13.72	0.00	-480.95	0.00	480.95	1,315.14	657.57	1,209.45	597.30	60.44	-5.85	0.374
102.00	-12.41	-13.67	0.00	-474.09	0.00	474.09	1,312.01	656.00	1,202.30	593.77	61.05	-5.88	0.370
102.50	-12.30	-13.62	0.00	-467.25	0.00	467.25	1,308.86	654.43	1,195.15	590.24	61.67	-5.91	0.367
103.00	-12.20	-13.56	0.00	-460.44	0.00	460.44	1,305.71	652.86	1,188.02	586.72	62.28	-5.93	0.363
103.50	-12.10	-13.51	0.00	-453.66	0.00	453.66	1,302.55	651.27	1,180.89	583.20	62.91	-5.96	0.359
104.00	-12.00	-13.46	0.00	-446.91	0.00	446.91	1,299.37	649.69	1,173.78	579.69	63.53	-5.99	0.355
104.50	-11.89	-13.40	0.00	-440.18	0.00	440.18	1,296.19	648.09	1,166.68	576.18	64.16	-6.01	0.351
105.00	-11.79	-13.35	0.00	-433.48	0.00	433.48	1,292.99	646.50	1,159.59	572.68	64.79	-6.04	0.347
105.50	-11.69	-13.30	0.00	-426.80	0.00	426.80	1,289.88	644.49	1,151.78	568.82	65.42	-6.06	0.343
106.00	-11.59	-13.24	0.00	-420.15	0.00	420.15	1,284.33	642.16	1,143.44	564.70	66.06	-6.09	0.339
106.50	-11.49	-13.19	0.00	-413.53	0.00	413.53	1,279.68	639.84	1,135.13	560.60	66.70	-6.12	0.336
107.00	-11.39	-13.14	0.00	-406.94	0.00	406.94	1,275.03	637.51	1,126.85	556.51	67.34	-6.14	0.332
107.50	-11.29	-13.08	0.00	-400.37	0.00	400.37	1,270.38	635.19	1,118.60	552.44	67.98	-6.17	0.328
108.00	-11.18	-13.03	0.00	-393.83	0.00	393.83	1,265.73	632.87	1,110.38	548.38	68.63	-6.19	0.324

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:35 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W	101 mph with No Ice	41 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

108.50	-11.08	-12.97	0.00	-387.32	0.00	387.32	1,261.08	630.54	1,102.19	544.33	69.27	-6.22	0.321
109.00	-10.98	-12.92	0.00	-380.83	0.00	380.83	1,256.43	628.22	1,094.04	540.30	69.93	-6.24	0.317
109.50	-10.88	-12.87	0.00	-374.37	0.00	374.37	1,251.78	625.89	1,085.91	536.29	70.58	-6.27	0.313
110.00	-10.78	-12.81	0.00	-367.94	0.00	367.94	1,247.14	623.57	1,077.81	532.29	71.24	-6.29	0.309
110.50	-10.70	-12.76	0.00	-361.53	0.00	361.53	853.24	426.62	741.79	366.34	71.24	-6.29	0.000
111.00	-10.61	-12.71	0.00	-355.15	0.00	355.15	851.46	425.73	737.46	364.21	71.90	-6.31	0.431
111.50	-10.53	-12.66	0.00	-348.80	0.00	348.80	849.67	424.84	733.15	362.07	72.56	-6.34	0.425
112.00	-10.45	-12.61	0.00	-342.47	0.00	342.47	847.87	423.94	728.83	359.94	73.22	-6.37	0.419
112.50	-10.36	-12.55	0.00	-336.17	0.00	336.17	846.07	423.03	724.52	357.81	73.89	-6.40	0.413
113.00	-10.28	-12.50	0.00	-329.89	0.00	329.89	844.25	422.12	720.21	355.68	74.56	-6.43	0.407
113.50	-10.19	-12.45	0.00	-323.64	0.00	323.64	842.42	421.21	715.90	353.56	75.24	-6.46	0.401
114.00	-10.11	-12.40	0.00	-317.42	0.00	317.42	840.58	420.29	711.60	351.43	75.91	-6.49	0.394
114.50	-10.03	-12.35	0.00	-311.22	0.00	311.22	838.73	419.36	707.30	349.31	76.59	-6.52	0.388
115.00	-9.94	-12.30	0.00	-305.04	0.00	305.04	836.87	418.43	703.00	347.19	77.28	-6.55	0.382
115.50	-9.86	-12.24	0.00	-298.90	0.00	298.90	834.99	417.50	698.71	345.06	77.96	-6.58	0.376
116.00	-9.78	-12.19	0.00	-292.77	0.00	292.77	833.11	416.56	694.42	342.95	78.65	-6.61	0.370
116.50	-9.70	-12.14	0.00	-286.68	0.00	286.68	831.22	415.61	690.13	340.83	79.34	-6.63	0.363
116.50	-9.70	-12.14	0.00	-286.68	0.00	286.68	829.32	414.66	685.85	338.71	80.04	-6.66	0.357
117.00	-9.64	-12.09	0.00	-280.61	0.00	280.61	829.32	414.66	685.85	338.71	80.04	-6.66	0.859
117.50	-9.58	-12.05	0.00	-274.56	0.00	274.56	827.41	413.70	681.57	336.60	80.74	-6.69	0.846
118.00	-9.52	-12.01	0.00	-268.54	0.00	268.54	825.48	412.74	677.29	334.49	81.44	-6.75	0.833
118.50	-9.46	-11.97	0.00	-262.53	0.00	262.53	823.55	411.77	673.02	332.38	82.15	-6.82	0.820
119.00	-9.40	-11.92	0.00	-256.55	0.00	256.55	821.61	410.80	668.75	330.27	82.86	-6.88	0.807
119.50	-9.35	-11.88	0.00	-250.59	0.00	250.59	819.65	409.83	664.49	328.17	83.59	-6.94	0.794
120.00	-9.29	-11.84	0.00	-244.65	0.00	244.65	817.69	408.84	660.23	326.06	84.32	-7.00	0.781
120.50	-9.23	-11.79	0.00	-238.73	0.00	238.73	815.71	407.86	655.98	323.96	85.05	-7.06	0.767
121.00	-9.17	-11.75	0.00	-232.84	0.00	232.84	813.73	406.86	651.73	321.87	85.79	-7.12	0.754
121.50	-9.12	-11.71	0.00	-226.96	0.00	226.96	811.73	405.86	647.49	319.77	86.54	-7.18	0.740
122.00	-9.06	-11.66	0.00	-221.11	0.00	221.11	809.72	404.86	643.25	317.68	87.29	-7.24	0.727
122.50	-9.01	-11.62	0.00	-215.28	0.00	215.28	807.71	403.85	639.01	315.58	88.05	-7.30	0.713
123.00	-8.95	-11.57	0.00	-209.47	0.00	209.47	805.68	402.84	634.78	313.49	88.82	-7.36	0.699
123.50	-8.89	-11.53	0.00	-203.68	0.00	203.68	803.64	401.82	630.56	311.41	89.59	-7.41	0.685
124.00	-8.84	-11.48	0.00	-197.92	0.00	197.92	801.59	400.80	626.34	309.32	90.37	-7.47	0.670
124.50	-8.78	-11.44	0.00	-192.17	0.00	192.17	799.54	399.77	622.12	307.24	91.15	-7.52	0.656
125.00	-8.73	-11.40	0.00	-186.45	0.00	186.45	797.47	398.73	617.91	305.16	91.94	-7.57	0.642
125.50	-8.68	-11.35	0.00	-180.76	0.00	180.76	795.39	397.69	613.71	303.09	92.73	-7.63	0.627
126.00	-8.62	-11.31	0.00	-175.08	0.00	175.08	793.30	396.65	609.51	301.01	93.53	-7.68	0.612
126.50	-8.57	-11.26	0.00	-169.43	0.00	169.43	791.20	395.60	605.32	298.94	94.34	-7.73	0.597
127.00	-8.52	-11.21	0.00	-163.80	0.00	163.80	789.09	394.54	601.13	296.88	95.15	-7.78	0.582
127.50	-8.46	-11.17	0.00	-158.19	0.00	158.19	786.97	393.48	596.95	294.81	95.96	-7.83	0.567
128.00	-8.41	-11.12	0.00	-152.61	0.00	152.61	784.84	392.42	592.78	292.75	96.78	-7.87	0.552
128.50	-8.36	-11.08	0.00	-147.05	0.00	147.05	782.69	391.35	588.61	290.69	97.61	-7.92	0.537
129.00	-8.31	-11.03	0.00	-141.51	0.00	141.51	780.54	390.27	584.44	288.64	98.44	-7.97	0.521
129.50	-8.26	-10.98	0.00	-136.00	0.00	136.00	778.38	389.19	580.29	286.58	99.27	-8.01	0.505
130.00	-8.21	-10.94	0.00	-130.50	0.00	130.50	776.21	388.10	576.14	284.53	100.11	-8.05	0.489
130.50	-8.16	-10.89	0.00	-125.04	0.00	125.04	774.02	387.01	572.00	282.49	100.95	-8.10	0.473
131.00	-4.85	-6.62	0.00	-119.59	0.00	119.59	771.83	385.91	567.86	280.44	101.80	-8.14	0.457
131.50	-4.81	-6.58	0.00	-116.28	0.00	116.28	769.63	384.81	563.73	278.40	102.65	-8.18	0.436
132.00	-4.77	-6.54	0.00	-112.99	0.00	112.99	767.41	383.71	559.60	276.37	103.51	-8.22	0.427
132.50	-4.72	-6.50	0.00	-109.72	0.00	109.72	765.19	382.59	555.49	274.33	104.37	-8.25	0.418
133.00	-4.68	-6.46	0.00	-106.46	0.00	106.46	762.95	381.48	551.38	272.31	105.23	-8.29	0.409
133.50	-4.64	-6.43	0.00	-103.23	0.00	103.23	760.71	380.35	547.28	270.28	106.10	-8.33	0.400
134.00	-4.60	-6.39	0.00	-100.02	0.00	100.02	758.45	379.23	543.18	268.26	106.97	-8.36	0.391
134.50	-4.56	-6.35	0.00	-96.83	0.00	96.83	756.18	378.09	539.09	266.24	107.84	-8.40	0.382
135.00	-4.52	-6.31	0.00	-93.65	0.00	93.65	753.91	376.95	535.01	264.22	108.72	-8.43	0.373
135.50	-4.49	-6.27	0.00	-90.50	0.00	90.50	751.62	375.81	530.94	262.21	109.60	-8.47	0.363
							749.32	374.66	526.87	260.20	110.49	-8.50	0.354

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:35 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.6W	101 mph with No Ice	41 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

136.00	-4.45	-6.23	0.00	-87.37	0.00	87.37	747.01	373.51	522.82	258.20	111.38	-8.54	0.345
136.50	-4.41	-6.19	0.00	-84.25	0.00	84.25	744.70	372.35	518.77	256.20	112.27	-8.57	0.335
137.00	-4.37	-6.15	0.00	-81.16	0.00	81.16	742.37	371.18	514.72	254.20	113.17	-8.60	0.325
137.50	-4.33	-6.11	0.00	-78.08	0.00	78.08	740.03	370.01	510.69	252.21	114.07	-8.63	0.316
138.00	-4.29	-6.07	0.00	-75.03	0.00	75.03	737.68	368.84	506.66	250.22	114.97	-8.66	0.306
138.50	-4.25	-6.03	0.00	-71.99	0.00	71.99	735.32	367.66	502.65	248.24	115.87	-8.69	0.296
139.00	-4.22	-5.99	0.00	-68.97	0.00	68.97	732.95	366.47	498.64	246.26	116.78	-8.72	0.286
139.50	-4.18	-5.95	0.00	-65.98	0.00	65.98	730.57	365.28	494.64	244.28	117.69	-8.74	0.276
140.00	-4.14	-5.91	0.00	-63.00	0.00	63.00	728.18	364.09	490.64	242.31	118.61	-8.77	0.266
140.50	-4.10	-5.87	0.00	-60.04	0.00	60.04	725.44	362.72	486.44	240.23	119.52	-8.80	0.256
141.00	-4.06	-5.83	0.00	-57.11	0.00	57.11	721.95	360.98	481.74	237.92	120.44	-8.82	0.246
141.50	-4.03	-5.81	0.00	-54.44	0.00	54.44	718.47	359.23	477.08	235.61	121.36	-8.85	0.237
142.00	-3.99	-5.77	0.00	-51.78	0.00	51.78	714.98	357.49	472.43	233.32	122.29	-8.87	0.228
142.50	-3.96	-5.73	0.00	-49.15	0.00	49.15	711.49	355.75	467.81	231.03	123.21	-8.89	0.219
143.00	-3.93	-5.71	0.00	-46.53	0.00	46.53	708.01	354.00	463.21	228.76	124.14	-8.91	0.209
143.50	-3.89	-5.68	0.00	-43.94	0.00	43.94	704.52	352.26	458.63	226.50	125.07	-8.93	0.200
144.00	-3.86	-5.66	0.00	-41.36	0.00	41.36	701.03	350.52	454.07	224.25	126.01	-8.95	0.190
144.50	-3.83	-5.64	0.00	-38.80	0.00	38.80	697.55	348.77	449.54	222.01	126.94	-8.97	0.180
145.00	-3.80	-5.62	0.00	-36.26	0.00	36.26	694.06	347.03	445.03	219.78	127.88	-8.99	0.171
145.50	-3.76	-5.60	0.00	-33.74	0.00	33.74	690.57	345.29	440.55	217.57	128.82	-9.01	0.161
146.00	-3.73	-5.58	0.00	-31.23	0.00	31.23	687.09	343.54	436.08	215.36	129.76	-9.02	0.151
146.50	-3.70	-5.56	0.00	-28.74	0.00	28.74	683.60	341.80	431.64	213.17	130.70	-9.04	0.140
147.00	-3.67	-5.54	0.00	-26.28	0.00	26.28	680.11	340.06	427.22	210.99	131.64	-9.05	0.130
147.50	-3.63	-5.52	0.00	-23.83	0.00	23.83	676.63	338.31	422.83	208.82	132.59	-9.07	0.120
148.00	-3.60	-5.50	0.00	-21.40	0.00	21.40	673.14	336.57	418.45	206.66	133.54	-9.08	0.109
148.50	-3.57	-5.48	0.00	-18.98	0.00	18.98	669.65	334.83	414.10	204.51	134.48	-9.09	0.098
149.00	-3.54	-5.46	0.00	-16.59	0.00	16.59	666.16	333.08	409.78	202.37	135.43	-9.10	0.087
149.50	-3.51	-5.44	0.00	-14.21	0.00	14.21	662.68	331.34	405.47	200.25	136.38	-9.11	0.076
150.00	0.00	-4.10	0.00	-11.85	0.00	11.85	659.19	329.60	401.19	198.13	137.33	-9.11	0.060

Site Number: 302494
 Site Name: Hddm - Haddam, CT
 Customer: SPRINT NEXTEL

Code: ANSI/TIA-222-G
 Engineering Number: OAA712589_C3_05

©2007 - 2018 by ATC IP LLC. All rights reserved.
 4/24/2018 5:53:35 PM

Load Case: 0.9D + 1.6W	101 mph with No Ice (Reduced DL)	41 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		24.6	0.0					0.0	0.0	24.6	0.0	0.0	0.0
0.50		49.2	68.3					0.0	40.2	49.2	108.5	0.0	0.0
1.00		49.1	68.2					0.0	40.2	49.1	108.4	0.0	0.0
1.50		49.0	68.1					0.0	40.2	49.0	108.2	0.0	0.0
2.00		48.9	67.9					0.0	40.2	48.9	108.1	0.0	0.0
2.50		48.8	67.8					0.0	40.2	48.8	107.9	0.0	0.0
3.00		48.7	67.6					0.0	40.2	48.7	107.8	0.0	0.0
3.50		48.6	67.5					0.0	40.2	48.6	107.6	0.0	0.0
4.00		48.5	67.3					0.0	40.2	48.5	107.5	0.0	0.0
4.50		48.4	67.2					0.0	40.2	48.4	107.4	0.0	0.0
5.00		48.3	67.0					0.0	40.2	48.3	107.2	0.0	0.0
5.50		48.1	66.9					0.0	40.2	48.1	107.1	0.0	0.0
6.00		48.0	66.8					0.0	40.2	48.0	106.9	0.0	0.0
6.50		47.9	66.6					0.0	40.2	47.9	106.8	0.0	0.0
7.00		47.8	66.5					0.0	40.2	47.8	106.6	0.0	0.0
7.50		47.7	66.3					0.0	40.2	47.7	106.5	0.0	0.0
8.00		47.6	66.2					0.0	40.2	47.6	106.3	0.0	0.0
8.50		47.5	66.0					0.0	60.7	47.5	126.7	0.0	0.0
9.00		47.4	65.9					0.0	60.7	47.4	126.6	0.0	0.0
9.50		47.3	65.7					0.0	60.7	47.3	126.4	0.0	0.0
10.00		47.2	65.6					0.0	60.7	47.2	126.3	0.0	0.0
10.50		47.1	65.5					0.0	60.7	47.1	126.1	0.0	0.0
11.00		47.0	65.3					0.0	60.7	47.0	126.0	0.0	0.0
11.50		46.9	65.2					0.0	60.7	46.9	125.8	0.0	0.0
12.00		46.8	65.0					0.0	60.7	46.8	125.7	0.0	0.0
12.50		46.7	64.9					0.0	60.7	46.7	125.6	0.0	0.0
13.00		46.6	64.7					0.0	60.7	46.6	125.4	0.0	0.0
13.50		46.5	64.6					0.0	60.7	46.5	125.3	0.0	0.0
14.00		46.4	64.4					0.0	60.7	46.4	125.1	0.0	0.0
14.50		46.3	64.3					0.0	60.7	46.3	125.0	0.0	0.0
15.00		46.2	64.1					0.0	60.7	46.2	124.8	0.0	0.0
15.50		46.1	64.0					0.0	60.7	46.1	124.7	0.0	0.0
16.00		46.0	63.9					0.0	60.7	46.0	124.5	0.0	0.0
16.50		45.9	63.7					0.0	60.7	45.9	124.4	0.0	0.0
17.00		45.8	63.6					0.0	60.7	45.8	124.3	0.0	0.0
17.50		45.7	63.4					0.0	60.7	45.7	124.1	0.0	0.0
18.00		45.6	63.3					0.0	60.7	45.6	124.0	0.0	0.0
18.50		45.5	63.1					0.0	60.7	45.5	123.8	0.0	0.0
19.00		45.4	63.0					0.0	60.7	45.4	123.7	0.0	0.0
19.50		45.3	62.8					0.0	60.7	45.3	123.5	0.0	0.0
20.00		45.2	62.7					0.0	60.7	45.2	123.4	0.0	0.0
20.50		45.0	62.6					0.0	60.7	45.0	123.2	0.0	0.0
21.00		44.9	62.4					0.0	60.7	44.9	123.1	0.0	0.0
21.50		44.8	62.3					0.0	60.7	44.8	122.9	0.0	0.0
22.00		44.7	62.1					0.0	60.7	44.7	122.8	0.0	0.0
22.50		44.6	62.0					0.0	60.7	44.6	122.7	0.0	0.0
23.00		44.5	61.8					0.0	60.7	44.5	122.5	0.0	0.0
23.50		44.4	61.7					0.0	60.7	44.4	122.4	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:55 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W	101 mph with No Ice (Reduced DL)						41 Iterations	
Gust Response Factor : 1.10							Wind Importance Factor : 1.00	
Dead Load Factor : 0.90								
Wind Load Factor : 1.60								

24.00	44.3	61.5	0.0	60.7	44.3	122.2	0.0	0.0
24.50	44.2	61.4	0.0	60.7	44.2	122.1	0.0	0.0
25.00	44.1	61.3	0.0	60.7	44.1	121.9	0.0	0.0
25.50	44.0	61.1	0.0	60.7	44.0	121.8	0.0	0.0
26.00	43.9	61.0	0.0	60.7	43.9	121.6	0.0	0.0
26.50	43.8	60.8	0.0	60.7	43.8	121.5	0.0	0.0
27.00	43.7	60.7	0.0	60.7	43.7	121.4	0.0	0.0
27.50	43.6	60.5	0.0	60.7	43.6	121.2	0.0	0.0
28.00	43.5	60.4	0.0	60.7	43.5	121.1	0.0	0.0
28.50	43.4	60.2	0.0	60.7	43.4	120.9	0.0	0.0
29.00	43.3	60.1	0.0	60.7	43.3	120.8	0.0	0.0
29.50	43.2	59.9	0.0	60.7	43.2	120.6	0.0	0.0
30.00	43.2	59.8	0.0	60.7	43.2	120.5	0.0	0.0
30.50	43.2	59.7	0.0	60.7	43.2	120.3	0.0	0.0
31.00	43.3	59.5	0.0	60.7	43.3	120.2	0.0	0.0
31.50	Bot - Section 2	43.8	59.4	0.0	60.7	43.8	120.0	0.0
32.00		44.3	109.6	0.0	60.7	44.3	170.3	0.0
32.50		44.4	109.4	0.0	60.7	44.4	170.0	0.0
33.00		44.5	109.1	0.0	60.7	44.5	169.8	0.0
33.50		44.6	108.8	0.0	60.7	44.6	169.5	0.0
34.00		44.7	108.6	0.0	60.7	44.7	169.3	0.0
34.50		44.8	108.3	0.0	60.7	44.8	169.0	0.0
35.00		44.8	108.0	0.0	60.7	44.8	168.7	0.0
35.50		29.9	107.8	0.0	60.7	29.9	168.5	0.0
35.67	Top - Section 1	22.5	35.9	0.0	20.2	22.5	56.1	0.0
36.00		37.5	33.0	0.0	40.5	37.5	73.4	0.0
36.50		30.2	49.3	0.0	60.7	30.2	110.0	0.0
36.67	Reinf. Top Reinf	22.5	16.7	0.0	20.6	22.5	37.4	0.0
37.00		37.5	32.5	0.0	36.3	37.5	68.7	0.0
37.50		45.2	49.1	0.0	54.9	45.2	104.0	0.0
38.00		45.2	49.0	0.0	54.9	45.2	103.9	0.0
38.50		45.3	48.8	0.0	54.9	45.3	103.8	0.0
39.00		45.4	48.7	0.0	54.9	45.4	103.7	0.0
39.50		45.4	48.6	0.0	54.9	45.4	103.5	0.0
40.00		45.5	48.5	0.0	54.9	45.5	103.4	0.0
40.50		45.5	48.4	0.0	54.9	45.5	103.3	0.0
41.00		45.6	48.2	0.0	54.9	45.6	103.2	0.0
41.50		45.6	48.1	0.0	54.9	45.6	103.1	0.0
42.00		45.6	48.0	0.0	54.9	45.6	102.9	0.0
42.50		45.7	47.9	0.0	54.9	45.7	102.8	0.0
43.00		45.7	47.8	0.0	54.9	45.7	102.7	0.0
43.50		45.8	47.6	0.0	54.9	45.8	102.6	0.0
44.00		45.8	47.5	0.0	54.9	45.8	102.5	0.0
44.50		45.8	47.4	0.0	54.9	45.8	102.3	0.0
45.00		45.9	47.3	0.0	54.9	45.9	102.2	0.0
45.50		45.9	47.2	0.0	54.9	45.9	102.1	0.0
46.00		45.9	47.0	0.0	54.9	45.9	102.0	0.0
46.50		45.9	46.9	0.0	54.9	45.9	101.9	0.0
47.00		46.0	46.8	0.0	54.9	46.0	101.7	0.0
47.50		46.0	46.7	0.0	54.9	46.0	101.6	0.0
48.00		46.0	46.5	0.0	54.9	46.0	101.5	0.0
48.50		46.0	46.4	0.0	54.9	46.0	101.4	0.0
49.00		46.0	46.3	0.0	54.9	46.0	101.3	0.0
49.50		46.1	46.2	0.0	54.9	46.1	101.1	0.0
50.00		46.1	46.1	0.0	54.9	46.1	101.0	0.0
50.50		46.1	45.9	0.0	54.9	46.1	100.9	0.0
51.00		46.1	45.8	0.0	54.9	46.1	100.8	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:55 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W

101 mph with No Ice (Reduced DL)

41 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

51.50	46.1	45.7	0.0	54.9	46.1	100.6	0.0	0.0	
52.00	46.1	45.6	0.0	54.9	46.1	100.5	0.0	0.0	
52.50	46.1	45.5	0.0	54.9	46.1	100.4	0.0	0.0	
53.00	46.1	45.3	0.0	54.9	46.1	100.3	0.0	0.0	
53.50	46.1	45.2	0.0	54.9	46.1	100.2	0.0	0.0	
54.00	46.1	45.1	0.0	54.9	46.1	100.0	0.0	0.0	
54.50	46.1	45.0	0.0	54.9	46.1	99.9	0.0	0.0	
55.00	46.1	44.9	0.0	54.9	46.1	99.8	0.0	0.0	
55.50	46.1	44.7	0.0	54.9	46.1	99.7	0.0	0.0	
56.00	46.1	44.6	0.0	54.9	46.1	99.6	0.0	0.0	
56.50	46.1	44.5	0.0	54.9	46.1	99.4	0.0	0.0	
57.00	46.1	44.4	0.0	54.9	46.1	99.3	0.0	0.0	
57.50	46.1	44.3	0.0	54.9	46.1	99.2	0.0	0.0	
58.00	46.1	44.1	0.0	54.9	46.1	99.1	0.0	0.0	
58.50	46.1	44.0	0.0	54.9	46.1	99.0	0.0	0.0	
59.00	46.0	43.9	0.0	54.9	46.0	98.8	0.0	0.0	
59.50	46.0	43.8	0.0	54.9	46.0	98.7	0.0	0.0	
60.00	46.0	43.7	0.0	54.9	46.0	98.6	0.0	0.0	
60.50	46.0	43.5	0.0	54.9	46.0	98.5	0.0	0.0	
61.00	46.0	43.4	0.0	54.9	46.0	98.4	0.0	0.0	
61.50	46.0	43.3	0.0	54.9	46.0	98.2	0.0	0.0	
62.00	45.9	43.2	0.0	54.9	45.9	98.1	0.0	0.0	
62.50	45.9	43.0	0.0	54.9	45.9	98.0	0.0	0.0	
63.00	45.9	42.9	0.0	54.9	45.9	97.9	0.0	0.0	
63.50	45.9	42.8	0.0	54.9	45.9	97.7	0.0	0.0	
64.00	45.8	42.7	0.0	54.9	45.8	97.6	0.0	0.0	
64.50	45.8	42.6	0.0	54.9	45.8	97.5	0.0	0.0	
65.00	45.8	42.4	0.0	54.9	45.8	97.4	0.0	0.0	
65.50	45.8	42.3	0.0	54.9	45.8	97.3	0.0	0.0	
66.00	45.7	42.2	0.0	54.9	45.7	97.1	0.0	0.0	
66.50	45.7	42.1	0.0	54.9	45.7	97.0	0.0	0.0	
67.00	45.7	42.0	0.0	54.9	45.7	96.9	0.0	0.0	
67.50	45.6	41.8	0.0	54.9	45.6	96.8	0.0	0.0	
68.00	45.6	41.7	0.0	54.9	45.6	96.7	0.0	0.0	
68.50	45.6	41.6	0.0	54.9	45.6	96.5	0.0	0.0	
69.00	45.5	41.5	0.0	54.9	45.5	96.4	0.0	0.0	
69.50	45.5	41.4	0.0	54.9	45.5	96.3	0.0	0.0	
70.00	Bot - Section 3	45.9	41.2	0.0	54.9	45.9	96.2	0.0	0.0
70.50		46.3	74.7	0.0	55.0	46.3	129.7	0.0	0.0
71.00		46.2	74.5	0.0	54.9	46.2	129.4	0.0	0.0
71.50		46.2	74.3	0.0	54.9	46.2	129.2	0.0	0.0
72.00		46.1	74.0	0.0	54.9	46.1	129.0	0.0	0.0
72.50		46.1	73.8	0.0	54.9	46.1	128.8	0.0	0.0
73.00		38.2	73.6	0.0	54.9	38.2	128.6	0.0	0.0
73.33	Reinf. Top Reinf	23.0	48.5	0.0	36.3	23.0	84.7	0.0	0.0
73.50	Top - Section 2	30.8	24.9	0.0	16.7	30.8	41.7	0.0	0.0
74.00		46.0	32.9	0.0	49.3	46.0	82.2	0.0	0.0
74.50		45.9	32.8	0.0	49.3	45.9	82.1	0.0	0.0
75.00		45.9	32.7	0.0	49.3	45.9	82.0	0.0	0.0
75.50		45.8	32.6	0.0	49.3	45.8	81.9	0.0	0.0
76.00		45.8	32.5	0.0	49.3	45.8	81.8	0.0	0.0
76.50		45.7	32.4	0.0	49.3	45.7	81.7	0.0	0.0
77.00		45.7	32.3	0.0	49.3	45.7	81.6	0.0	0.0
77.50		45.6	32.2	0.0	49.3	45.6	81.5	0.0	0.0
78.00		45.6	32.1	0.0	49.3	45.6	81.4	0.0	0.0
78.50		45.5	32.0	0.0	49.3	45.5	81.3	0.0	0.0
79.00		45.5	31.9	0.0	49.3	45.5	81.2	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:55 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W

101 mph with No Ice (Reduced DL)

41 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

79.50	45.4	31.8	0.0	49.3	45.4	81.1	0.0	0.0
80.00	45.4	31.8	0.0	49.3	45.4	81.0	0.0	0.0
80.50	45.3	31.7	0.0	49.3	45.3	80.9	0.0	0.0
81.00	45.2	31.6	0.0	49.3	45.2	80.8	0.0	0.0
81.50	45.2	31.5	0.0	49.3	45.2	80.7	0.0	0.0
82.00	45.1	31.4	0.0	49.3	45.1	80.6	0.0	0.0
82.50	45.1	31.3	0.0	49.3	45.1	80.5	0.0	0.0
83.00	45.0	31.2	0.0	49.3	45.0	80.4	0.0	0.0
83.50	44.9	31.1	0.0	49.3	44.9	80.3	0.0	0.0
84.00	44.9	31.0	0.0	49.3	44.9	80.3	0.0	0.0
84.50	44.8	30.9	0.0	49.3	44.8	80.2	0.0	0.0
85.00	44.8	30.8	0.0	49.3	44.8	80.1	0.0	0.0
85.50	44.7	30.7	0.0	49.3	44.7	80.0	0.0	0.0
86.00	44.6	30.6	0.0	49.3	44.6	79.9	0.0	0.0
86.50	44.6	30.5	0.0	49.3	44.6	79.8	0.0	0.0
87.00	44.5	30.4	0.0	49.3	44.5	79.7	0.0	0.0
87.50	44.4	30.3	0.0	49.3	44.4	79.6	0.0	0.0
88.00	44.4	30.2	0.0	49.3	44.4	79.5	0.0	0.0
88.50	44.3	30.1	0.0	49.3	44.3	79.4	0.0	0.0
89.00	44.2	30.0	0.0	49.3	44.2	79.3	0.0	0.0
89.50	44.1	29.9	0.0	49.3	44.1	79.2	0.0	0.0
90.00	44.1	29.8	0.0	49.3	44.1	79.1	0.0	0.0
90.50	44.0	29.7	0.0	49.3	44.0	79.0	0.0	0.0
91.00	43.9	29.6	0.0	49.3	43.9	78.9	0.0	0.0
91.50	43.9	29.5	0.0	49.3	43.9	78.8	0.0	0.0
92.00	43.8	29.4	0.0	49.3	43.8	78.7	0.0	0.0
92.50	43.7	29.3	0.0	49.3	43.7	78.6	0.0	0.0
93.00	43.6	29.2	0.0	49.3	43.6	78.5	0.0	0.0
93.50	43.6	29.1	0.0	49.3	43.6	78.4	0.0	0.0
94.00	43.5	29.0	0.0	49.3	43.5	78.3	0.0	0.0
94.50	43.4	29.0	0.0	49.3	43.4	78.2	0.0	0.0
95.00	43.3	28.9	0.0	49.3	43.3	78.1	0.0	0.0
95.50	43.2	28.8	0.0	49.3	43.2	78.0	0.0	0.0
96.00	43.2	28.7	0.0	49.3	43.2	77.9	0.0	0.0
96.50	43.1	28.6	0.0	49.3	43.1	77.8	0.0	0.0
97.00	43.0	28.5	0.0	49.3	43.0	77.7	0.0	0.0
97.50	42.9	28.4	0.0	49.3	42.9	77.6	0.0	0.0
98.00	42.8	28.3	0.0	49.3	42.8	77.5	0.0	0.0
98.50	42.8	28.2	0.0	49.3	42.8	77.5	0.0	0.0
99.00	42.7	28.1	0.0	49.3	42.7	77.4	0.0	0.0
99.50	42.6	28.0	0.0	49.3	42.6	77.3	0.0	0.0
100.00	42.5	27.9	0.0	49.3	42.5	77.2	0.0	0.0
100.50	42.4	27.8	0.0	49.3	42.4	77.1	0.0	0.0
101.00	42.3	27.7	0.0	49.3	42.3	77.0	0.0	0.0
101.50	42.2	27.6	0.0	49.3	42.2	76.9	0.0	0.0
102.00	42.2	27.5	0.0	49.3	42.2	76.8	0.0	0.0
102.50	42.1	27.4	0.0	49.3	42.1	76.7	0.0	0.0
103.00	42.0	27.3	0.0	49.3	42.0	76.6	0.0	0.0
103.50	41.9	27.2	0.0	49.3	41.9	76.5	0.0	0.0
104.00	41.8	27.1	0.0	49.3	41.8	76.4	0.0	0.0
104.50	41.7	27.0	0.0	49.3	41.7	76.3	0.0	0.0
105.00	41.6	26.9	0.0	49.3	41.6	76.2	0.0	0.0
105.50	41.5	26.8	0.0	49.3	41.5	76.1	0.0	0.0
106.00	41.4	26.7	0.0	49.3	41.4	76.0	0.0	0.0
106.50	41.3	26.6	0.0	49.3	41.3	75.9	0.0	0.0
107.00	41.3	26.5	0.0	49.3	41.3	75.8	0.0	0.0
107.50	41.2	26.4	0.0	49.3	41.2	75.7	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:55 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W	101 mph with No Ice (Reduced DL)				41 Iterations			
Gust Response Factor : 1.10					Wind Importance Factor : 1.00			
Dead Load Factor : 0.90								
Wind Load Factor : 1.60								

108.00	41.1	26.3	0.0	49.3	41.1	75.6	0.0	0.0	
108.50	41.0	26.2	0.0	49.3	41.0	75.5	0.0	0.0	
109.00	40.9	26.1	0.0	49.3	40.9	75.4	0.0	0.0	
109.50	40.8	26.1	0.0	49.3	40.8	75.3	0.0	0.0	
110.00	Top - Section 3	40.7	26.0	0.0	49.3	40.7	75.2	0.0	0.0
110.50		40.6	19.5	0.0	43.5	40.6	62.9	0.0	0.0
111.00		40.5	19.4	0.0	43.5	40.5	62.9	0.0	0.0
111.50		40.4	19.3	0.0	43.5	40.4	62.8	0.0	0.0
112.00		40.3	19.2	0.0	43.5	40.3	62.7	0.0	0.0
112.50		40.2	19.2	0.0	43.5	40.2	62.6	0.0	0.0
113.00		40.1	19.1	0.0	43.5	40.1	62.6	0.0	0.0
113.50		40.0	19.0	0.0	43.5	40.0	62.5	0.0	0.0
114.00		39.9	18.9	0.0	43.5	39.9	62.4	0.0	0.0
114.50		39.8	18.9	0.0	43.5	39.8	62.4	0.0	0.0
115.00		39.7	18.8	0.0	43.5	39.7	62.3	0.0	0.0
115.50		39.6	18.7	0.0	43.5	39.6	62.2	0.0	0.0
116.00		39.5	18.7	0.0	43.5	39.5	62.1	0.0	0.0
116.50	Reinf. Top	39.4	18.6	0.0	43.5	39.4	62.1	0.0	0.0
117.00		39.3	18.5	0.0	20.5	39.3	39.0	0.0	0.0
117.50		39.2	18.4	0.0	20.5	39.2	39.0	0.0	0.0
118.00		39.1	18.4	0.0	20.5	39.1	38.9	0.0	0.0
118.50		39.0	18.3	0.0	20.5	39.0	38.8	0.0	0.0
119.00		38.8	18.2	0.0	20.5	38.8	38.7	0.0	0.0
119.50		38.7	18.1	0.0	20.5	38.7	38.7	0.0	0.0
120.00		38.6	18.1	0.0	20.5	38.6	38.6	0.0	0.0
120.50		38.5	18.0	0.0	20.5	38.5	38.5	0.0	0.0
121.00		38.4	17.9	0.0	20.5	38.4	38.5	0.0	0.0
121.50		38.3	17.9	0.0	20.5	38.3	38.4	0.0	0.0
122.00		38.2	17.8	0.0	20.5	38.2	38.3	0.0	0.0
122.50		38.1	17.7	0.0	20.5	38.1	38.2	0.0	0.0
123.00		38.0	17.6	0.0	20.5	38.0	38.2	0.0	0.0
123.50		37.9	17.6	0.0	20.5	37.9	38.1	0.0	0.0
124.00		37.8	17.5	0.0	20.5	37.8	38.0	0.0	0.0
124.50		37.6	17.4	0.0	20.5	37.6	37.9	0.0	0.0
125.00		37.5	17.4	0.0	20.5	37.5	37.9	0.0	0.0
125.50		37.4	17.3	0.0	20.5	37.4	37.8	0.0	0.0
126.00		37.3	17.2	0.0	20.5	37.3	37.7	0.0	0.0
126.50		37.2	17.1	0.0	20.5	37.2	37.7	0.0	0.0
127.00		37.1	17.1	0.0	20.5	37.1	37.6	0.0	0.0
127.50		37.0	17.0	0.0	20.5	37.0	37.5	0.0	0.0
128.00		36.8	16.9	0.0	20.5	36.8	37.4	0.0	0.0
128.50		36.7	16.8	0.0	20.5	36.7	37.4	0.0	0.0
129.00		36.6	16.8	0.0	20.5	36.6	37.3	0.0	0.0
129.50		36.5	16.7	0.0	20.5	36.5	37.2	0.0	0.0
130.00		36.4	16.6	0.0	20.5	36.4	37.1	0.0	0.0
130.50		36.3	16.6	0.0	20.5	36.3	37.1	0.0	0.0
131.00	Appurtenance(s)	36.1	16.5	3,718.4	0.0	0.0	2,873.0	0.0	0.0
131.50		36.0	16.4	0.0	15.3	36.0	31.7	0.0	0.0
132.00		35.9	16.3	0.0	15.3	35.9	31.7	0.0	0.0
132.50		35.8	16.3	0.0	15.3	35.8	31.6	0.0	0.0
133.00		35.7	16.2	0.0	15.3	35.7	31.5	0.0	0.0
133.50		35.5	16.1	0.0	15.3	35.5	31.4	0.0	0.0
134.00		35.4	16.0	0.0	15.3	35.4	31.4	0.0	0.0
134.50		35.3	16.0	0.0	15.3	35.3	31.3	0.0	0.0
135.00		35.2	15.9	0.0	15.3	35.2	31.2	0.0	0.0
135.50		35.1	15.8	0.0	15.3	35.1	31.1	0.0	0.0
136.00		34.9	15.8	0.0	15.3	34.9	31.1	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:55 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W	101 mph with No Ice (Reduced DL)						41 Iterations	
Gust Response Factor : 1.10							Wind Importance Factor : 1.00	
Dead Load Factor : 0.90								
Wind Load Factor : 1.60								

136.50	34.8	15.7					0.0	15.3	34.8	31.0	0.0	0.0	
137.00	34.7	15.6					0.0	15.3	34.7	30.9	0.0	0.0	
137.50	34.6	15.5					0.0	15.3	34.6	30.9	0.0	0.0	
138.00	34.4	15.5					0.0	15.3	34.4	30.8	0.0	0.0	
138.50	34.3	15.4					0.0	15.3	34.3	30.7	0.0	0.0	
139.00	34.2	15.3					0.0	15.3	34.2	30.6	0.0	0.0	
139.50	34.1	15.3					0.0	15.3	34.1	30.6	0.0	0.0	
140.00	33.9	15.2					0.0	15.3	33.9	30.5	0.0	0.0	
140.50	33.8	15.1					0.0	15.3	33.8	30.4	0.0	0.0	
141.00	Appurtenance(s)	33.7	15.0	487.5	0.0	0.0	59.4	0.0	15.3	521.2	89.8	0.0	0.0
141.50		33.6	15.0					0.0	13.1	33.6	28.1	0.0	0.0
142.00		33.4	14.9					0.0	13.1	33.4	28.0	0.0	0.0
142.50		33.3	14.8					0.0	13.1	33.3	27.9	0.0	0.0
143.00		33.2	14.7					0.0	13.1	33.2	27.8	0.0	0.0
143.50		33.1	14.7					0.0	13.1	33.1	27.8	0.0	0.0
144.00		32.9	14.6					0.0	13.1	32.9	27.7	0.0	0.0
144.50		32.8	14.5					0.0	13.1	32.8	27.6	0.0	0.0
145.00		32.7	14.5					0.0	13.1	32.7	27.6	0.0	0.0
145.50		32.5	14.4					0.0	13.1	32.5	27.5	0.0	0.0
146.00		32.4	14.3					0.0	13.1	32.4	27.4	0.0	0.0
146.50		32.3	14.2					0.0	13.1	32.3	27.3	0.0	0.0
147.00		32.1	14.2					0.0	13.1	32.1	27.3	0.0	0.0
147.50		32.0	14.1					0.0	13.1	32.0	27.2	0.0	0.0
148.00		31.9	14.0					0.0	13.1	31.9	27.1	0.0	0.0
148.50		31.7	13.9					0.0	13.1	31.7	27.1	0.0	0.0
149.00		31.6	13.9					0.0	13.1	31.6	27.0	0.0	0.0
149.50		31.5	13.8					0.0	13.1	31.5	26.9	0.0	0.0
150.00	Appurtenance(s)	15.7	13.7	4,086.5	0.0	11,852.0	3,132.0	0.0	13.1	4,102.2	3,158.8	0.0	0.0
								Totals:		21,121.4	31,566.1	0.00	0.00

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:55 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W

101 mph with No Ice (Reduced DL)

41 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	-31.56	-21.10	0.00	-2,203.30	0.00	2,203.30	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.574
0.50	-31.44	-21.07	0.00	-2,192.75	0.00	2,192.75	3,152.93	1,576.47	4,795.55	2,368.34	0.00	-0.02	0.573
1.00	-31.33	-21.03	0.00	-2,182.22	0.00	2,182.22	3,148.69	1,574.34	4,778.83	2,360.09	0.01	-0.05	0.571
1.50	-31.21	-21.00	0.00	-2,171.70	0.00	2,171.70	3,144.43	1,572.22	4,762.13	2,351.84	0.01	-0.07	0.570
2.00	-31.09	-20.96	0.00	-2,161.20	0.00	2,161.20	3,140.17	1,570.08	4,745.43	2,343.59	0.02	-0.10	0.569
2.50	-30.98	-20.92	0.00	-2,150.72	0.00	2,150.72	3,135.89	1,567.94	4,728.75	2,335.35	0.03	-0.12	0.567
3.00	-30.86	-20.89	0.00	-2,140.26	0.00	2,140.26	3,131.60	1,565.80	4,712.08	2,327.12	0.05	-0.15	0.566
3.50	-30.74	-20.85	0.00	-2,129.82	0.00	2,129.82	3,127.31	1,563.65	4,695.42	2,318.89	0.06	-0.17	0.565
4.00	-30.63	-20.82	0.00	-2,119.39	0.00	2,119.39	3,123.00	1,561.50	4,678.77	2,310.67	0.08	-0.20	0.564
4.50	-30.51	-20.78	0.00	-2,108.98	0.00	2,108.98	3,118.68	1,559.34	4,662.14	2,302.45	0.11	-0.22	0.562
5.00	-30.39	-20.75	0.00	-2,098.59	0.00	2,098.59	3,114.35	1,557.18	4,645.51	2,294.24	0.13	-0.25	0.561
5.50	-30.28	-20.71	0.00	-2,088.22	0.00	2,088.22	3,110.02	1,555.01	4,628.91	2,286.04	0.16	-0.27	0.560
6.00	-30.16	-20.67	0.00	-2,077.87	0.00	2,077.87	3,105.67	1,552.83	4,612.31	2,277.85	0.19	-0.30	0.558
6.50	-30.05	-20.64	0.00	-2,067.53	0.00	2,067.53	3,101.31	1,550.65	4,595.73	2,269.66	0.22	-0.32	0.557
7.00	-29.93	-20.60	0.00	-2,057.21	0.00	2,057.21	3,096.94	1,548.47	4,579.16	2,261.47	0.25	-0.34	0.556
7.50	-29.82	-20.57	0.00	-2,046.91	0.00	2,046.91	3,092.56	1,546.28	4,562.60	2,253.30	0.29	-0.37	0.554
8.00	-29.70	-20.53	0.00	-2,036.63	0.00	2,036.63	3,088.17	1,544.08	4,546.06	2,245.13	0.33	-0.39	0.553
8.50	-29.57	-20.50	0.00	-2,026.36	0.00	2,026.36	3,083.77	1,541.88	4,529.53	2,236.96	0.38	-0.42	0.552
9.00	-29.43	-20.46	0.00	-2,016.11	0.00	2,016.11	3,079.36	1,539.68	4,513.01	2,228.81	0.42	-0.44	0.550
9.50	-29.30	-20.43	0.00	-2,005.88	0.00	2,005.88	3,074.94	1,537.47	4,496.51	2,220.66	0.47	-0.47	0.549
10.00	-29.16	-20.39	0.00	-1,995.67	0.00	1,995.67	3,070.50	1,535.25	4,480.02	2,212.51	0.52	-0.49	0.548
10.50	-29.03	-20.35	0.00	-1,985.47	0.00	1,985.47	3,066.06	1,533.03	4,463.54	2,204.38	0.57	-0.52	0.546
11.00	-28.89	-20.32	0.00	-1,975.30	0.00	1,975.30	3,061.61	1,530.80	4,447.08	2,196.25	0.63	-0.54	0.545
11.50	-28.76	-20.28	0.00	-1,965.14	0.00	1,965.14	3,057.15	1,528.57	4,430.63	2,188.12	0.69	-0.57	0.544
12.00	-28.62	-20.25	0.00	-1,955.00	0.00	1,955.00	3,052.67	1,526.34	4,414.20	2,180.01	0.75	-0.59	0.542
12.50	-28.49	-20.21	0.00	-1,944.87	0.00	1,944.87	3,048.19	1,524.09	4,397.78	2,171.90	0.81	-0.62	0.541
13.00	-28.36	-20.18	0.00	-1,934.77	0.00	1,934.77	3,043.69	1,521.85	4,381.37	2,163.80	0.88	-0.64	0.540
13.50	-28.22	-20.14	0.00	-1,924.68	0.00	1,924.68	3,039.19	1,519.59	4,364.98	2,155.70	0.95	-0.67	0.538
14.00	-28.09	-20.10	0.00	-1,914.61	0.00	1,914.61	3,034.67	1,517.34	4,348.61	2,147.61	1.02	-0.69	0.537
14.50	-27.96	-20.07	0.00	-1,904.56	0.00	1,904.56	3,030.15	1,515.07	4,332.24	2,139.53	1.09	-0.72	0.536
15.00	-27.82	-20.03	0.00	-1,894.53	0.00	1,894.53	3,025.61	1,512.81	4,315.90	2,131.46	1.17	-0.74	0.534
15.50	-27.69	-20.00	0.00	-1,884.51	0.00	1,884.51	3,021.07	1,510.53	4,299.57	2,123.39	1.25	-0.77	0.533
16.00	-27.56	-19.96	0.00	-1,874.51	0.00	1,874.51	3,016.51	1,508.25	4,283.25	2,115.33	1.33	-0.79	0.532
16.50	-27.43	-19.93	0.00	-1,864.53	0.00	1,864.53	3,011.94	1,505.97	4,266.95	2,107.28	1.41	-0.82	0.530
17.00	-27.29	-19.89	0.00	-1,854.57	0.00	1,854.57	3,007.37	1,503.68	4,250.66	2,099.24	1.50	-0.84	0.529
17.50	-27.16	-19.85	0.00	-1,844.62	0.00	1,844.62	3,002.78	1,501.39	4,234.39	2,091.20	1.59	-0.87	0.527
18.00	-27.03	-19.82	0.00	-1,834.69	0.00	1,834.69	2,998.18	1,499.09	4,218.13	2,083.18	1.68	-0.89	0.526
18.50	-26.90	-19.78	0.00	-1,824.79	0.00	1,824.79	2,993.57	1,496.79	4,201.89	2,075.15	1.78	-0.92	0.525
19.00	-26.77	-19.75	0.00	-1,814.89	0.00	1,814.89	2,988.95	1,494.48	4,185.66	2,067.14	1.87	-0.94	0.523
19.50	-26.64	-19.71	0.00	-1,805.02	0.00	1,805.02	2,984.32	1,492.16	4,169.45	2,059.13	1.97	-0.97	0.522
20.00	-26.50	-19.68	0.00	-1,795.17	0.00	1,795.17	2,979.68	1,489.84	4,153.25	2,051.14	2.08	-0.99	0.521
20.50	-26.37	-19.64	0.00	-1,785.33	0.00	1,785.33	2,975.03	1,487.52	4,137.08	2,043.15	2.18	-1.02	0.519
21.00	-26.24	-19.60	0.00	-1,775.51	0.00	1,775.51	2,970.37	1,485.19	4,120.91	2,035.16	2.29	-1.04	0.518
21.50	-26.11	-19.57	0.00	-1,765.70	0.00	1,765.70	2,965.70	1,482.85	4,104.77	2,027.19	2.40	-1.07	0.516
22.00	-25.98	-19.53	0.00	-1,755.92	0.00	1,755.92	2,961.02	1,480.51	4,088.63	2,019.22	2.51	-1.09	0.515
22.50	-25.85	-19.50	0.00	-1,746.15	0.00	1,746.15	2,956.33	1,478.16	4,072.52	2,011.26	2.63	-1.12	0.514
23.00	-25.72	-19.46	0.00	-1,736.41	0.00	1,736.41	2,951.62	1,475.81	4,056.42	2,003.31	2.75	-1.14	0.512
23.50	-25.59	-19.43	0.00	-1,726.67	0.00	1,726.67	2,946.91	1,473.46	4,040.34	1,995.37	2.87	-1.17	0.511
24.00	-25.46	-19.39	0.00	-1,716.96	0.00	1,716.96	2,942.19	1,471.09	4,024.27	1,987.44	2.99	-1.19	0.509
24.50	-25.33	-19.35	0.00	-1,707.27	0.00	1,707.27	2,937.46	1,468.73	4,008.22	1,979.51	3.12	-1.22	0.508
25.00	-25.20	-19.32	0.00	-1,697.59	0.00	1,697.59	2,932.71	1,466.36	3,992.19	1,971.59	3.25	-1.24	0.507

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:55 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W	101 mph with No Ice (Reduced DL)	41 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

25.50	-25.07	-19.28	0.00	-1,687.93	0.00	1,687.93	2,927.96	1,463.98	3,976.18	1,963.68	3.38	-1.27	0.505
26.00	-24.94	-19.25	0.00	-1,678.29	0.00	1,678.29	2,923.19	1,461.60	3,960.18	1,955.78	3.51	-1.29	0.504
26.50	-24.82	-19.21	0.00	-1,668.66	0.00	1,668.66	2,918.42	1,459.21	3,944.20	1,947.89	3.65	-1.32	0.502
27.00	-24.69	-19.18	0.00	-1,659.06	0.00	1,659.06	2,913.63	1,456.82	3,928.23	1,940.01	3.79	-1.34	0.501
27.50	-24.56	-19.14	0.00	-1,649.47	0.00	1,649.47	2,910.08	1,455.04	3,913.96	1,932.96	3.93	-1.37	0.499
28.00	-24.43	-19.11	0.00	-1,639.90	0.00	1,639.90	2,903.11	1,451.55	3,895.11	1,923.65	4.08	-1.39	0.498
28.50	-24.30	-19.07	0.00	-1,630.35	0.00	1,630.35	2,896.13	1,448.07	3,876.32	1,914.37	4.22	-1.42	0.497
29.00	-24.17	-19.03	0.00	-1,620.81	0.00	1,620.81	2,889.16	1,444.58	3,857.57	1,905.11	4.37	-1.44	0.496
29.50	-24.05	-19.00	0.00	-1,611.30	0.00	1,611.30	2,882.19	1,441.09	3,838.86	1,895.87	4.53	-1.47	0.495
30.00	-23.92	-18.96	0.00	-1,601.80	0.00	1,601.80	2,875.21	1,437.61	3,820.20	1,886.65	4.68	-1.49	0.494
30.50	-23.79	-18.93	0.00	-1,592.32	0.00	1,592.32	2,868.24	1,434.12	3,801.59	1,877.46	4.84	-1.52	0.493
31.00	-23.66	-18.89	0.00	-1,582.85	0.00	1,582.85	2,861.26	1,430.63	3,783.02	1,868.29	5.00	-1.54	0.492
31.50	-23.54	-18.85	0.00	-1,573.41	0.00	1,573.41	2,854.29	1,427.15	3,764.50	1,859.14	5.16	-1.57	0.490
32.00	-23.36	-18.81	0.00	-1,563.98	0.00	1,563.98	2,847.32	1,423.66	3,746.02	1,850.02	5.33	-1.59	0.482
32.50	-23.18	-18.78	0.00	-1,554.57	0.00	1,554.57	2,840.34	1,420.17	3,727.58	1,840.91	5.50	-1.62	0.481
33.00	-23.01	-18.74	0.00	-1,545.19	0.00	1,545.19	2,833.37	1,416.69	3,709.20	1,831.83	5.67	-1.64	0.479
33.50	-22.83	-18.70	0.00	-1,535.82	0.00	1,535.82	2,826.40	1,413.20	3,690.85	1,822.77	5.84	-1.67	0.478
34.00	-22.65	-18.66	0.00	-1,526.47	0.00	1,526.47	2,819.42	1,409.71	3,672.56	1,813.74	6.02	-1.69	0.477
34.50	-22.48	-18.62	0.00	-1,517.14	0.00	1,517.14	2,812.45	1,406.22	3,654.31	1,804.72	6.20	-1.72	0.476
35.00	-22.30	-18.58	0.00	-1,507.83	0.00	1,507.83	2,805.48	1,402.74	3,636.10	1,795.73	6.38	-1.74	0.475
35.50	-22.13	-18.55	0.00	-1,498.55	0.00	1,498.55	2,798.50	1,399.25	3,617.94	1,786.76	6.56	-1.77	0.474
35.67	-22.07	-18.53	0.00	-1,495.46	0.00	1,495.46	2,248.07	1,124.03	2,973.91	1,468.70	6.62	-1.78	0.545
36.00	-21.99	-18.50	0.00	-1,489.28	0.00	1,489.28	2,245.83	1,122.91	2,966.06	1,464.83	6.75	-1.79	0.544
36.50	-21.88	-18.47	0.00	-1,480.03	0.00	1,480.03	2,242.46	1,121.23	2,954.30	1,459.02	6.94	-1.82	0.542
36.67	-21.84	-18.45	0.00	-1,476.89	0.00	1,476.89	2,241.31	1,120.65	2,950.31	1,457.05	7.00	-1.83	0.541
36.67	-21.84	-18.45	0.00	-1,476.89	0.00	1,476.89	2,241.31	1,120.65	2,950.31	1,457.05	7.00	-1.83	0.581
37.00	-21.76	-18.42	0.00	-1,470.80	0.00	1,470.80	2,239.08	1,119.54	2,942.55	1,453.22	7.13	-1.84	0.580
37.50	-21.65	-18.38	0.00	-1,461.59	0.00	1,461.59	2,235.69	1,117.84	2,930.81	1,447.42	7.32	-1.87	0.578
38.00	-21.54	-18.34	0.00	-1,452.40	0.00	1,452.40	2,232.29	1,116.14	2,919.08	1,441.62	7.52	-1.90	0.576
38.50	-21.43	-18.31	0.00	-1,443.23	0.00	1,443.23	2,228.88	1,114.44	2,907.36	1,435.83	7.72	-1.93	0.574
39.00	-21.32	-18.27	0.00	-1,434.08	0.00	1,434.08	2,225.46	1,112.73	2,895.64	1,430.05	7.93	-1.96	0.572
39.50	-21.20	-18.23	0.00	-1,424.94	0.00	1,424.94	2,222.03	1,111.01	2,883.93	1,424.27	8.13	-1.99	0.570
40.00	-21.09	-18.19	0.00	-1,415.83	0.00	1,415.83	2,218.59	1,109.29	2,872.23	1,418.49	8.34	-2.02	0.568
40.50	-20.98	-18.15	0.00	-1,406.73	0.00	1,406.73	2,215.14	1,107.57	2,860.55	1,412.72	8.55	-2.04	0.566
41.00	-20.87	-18.11	0.00	-1,397.66	0.00	1,397.66	2,211.67	1,105.84	2,848.87	1,406.95	8.77	-2.07	0.564
41.50	-20.76	-18.07	0.00	-1,388.60	0.00	1,388.60	2,208.20	1,104.10	2,837.20	1,401.18	8.99	-2.10	0.561
42.00	-20.65	-18.04	0.00	-1,379.56	0.00	1,379.56	2,204.72	1,102.36	2,825.53	1,395.43	9.21	-2.13	0.559
42.50	-20.54	-18.00	0.00	-1,370.54	0.00	1,370.54	2,201.23	1,100.61	2,813.88	1,389.67	9.44	-2.16	0.557
43.00	-20.43	-17.96	0.00	-1,361.55	0.00	1,361.55	2,197.72	1,098.86	2,802.24	1,383.92	9.66	-2.19	0.555
43.50	-20.32	-17.92	0.00	-1,352.57	0.00	1,352.57	2,194.21	1,097.10	2,790.61	1,378.18	9.89	-2.21	0.553
44.00	-20.21	-17.88	0.00	-1,343.61	0.00	1,343.61	2,190.68	1,095.34	2,778.98	1,372.44	10.13	-2.24	0.551
44.50	-20.10	-17.84	0.00	-1,334.67	0.00	1,334.67	2,187.15	1,093.57	2,767.37	1,366.70	10.36	-2.27	0.549
45.00	-20.00	-17.80	0.00	-1,325.75	0.00	1,325.75	2,183.60	1,091.80	2,755.77	1,360.97	10.60	-2.30	0.547
45.50	-19.89	-17.76	0.00	-1,316.85	0.00	1,316.85	2,180.05	1,090.02	2,744.17	1,355.24	10.84	-2.33	0.545
46.00	-19.78	-17.72	0.00	-1,307.98	0.00	1,307.98	2,176.48	1,088.24	2,732.59	1,349.52	11.09	-2.35	0.543
46.50	-19.67	-17.68	0.00	-1,299.12	0.00	1,299.12	2,172.91	1,086.45	2,721.02	1,343.81	11.34	-2.38	0.541
47.00	-19.56	-17.64	0.00	-1,290.28	0.00	1,290.28	2,169.32	1,084.66	2,709.45	1,338.10	11.59	-2.41	0.539
47.50	-19.45	-17.59	0.00	-1,281.46	0.00	1,281.46	2,165.72	1,082.86	2,697.90	1,332.39	11.84	-2.44	0.537
48.00	-19.34	-17.55	0.00	-1,272.67	0.00	1,272.67	2,162.11	1,081.06	2,686.36	1,326.69	12.10	-2.47	0.535
48.50	-19.24	-17.51	0.00	-1,263.89	0.00	1,263.89	2,158.50	1,079.25	2,674.83	1,321.00	12.36	-2.50	0.532
49.00	-19.13	-17.47	0.00	-1,255.13	0.00	1,255.13	2,154.87	1,077.43	2,663.31	1,315.31	12.62	-2.52	0.530
49.50	-19.02	-17.43	0.00	-1,246.40	0.00	1,246.40	2,151.23	1,075.61	2,651.80	1,309.62	12.89	-2.55	0.528
50.00	-18.91	-17.39	0.00	-1,237.68	0.00	1,237.68	2,147.58	1,073.79	2,640.30	1,303.95	13.16	-2.58	0.526
50.50	-18.81	-17.35	0.00	-1,228.99	0.00	1,228.99	2,143.92	1,071.96	2,628.81	1,298.27	13.43	-2.61	0.524
51.00	-18.70	-17.31	0.00	-1,220.31	0.00	1,220.31	2,140.25	1,070.13	2,617.34	1,292.60	13.71	-2.64	0.522
51.50	-18.59	-17.27	0.00	-1,211.66	0.00	1,211.66	2,136.57	1,068.29	2,605.87	1,286.94	13.98	-2.66	0.520
52.00	-18.49	-17.22	0.00	-1,203.03	0.00	1,203.03	2,132.88	1,066.44	2,594.42	1,281.29	14.26	-2.69	0.518

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:55 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W	101 mph with No Ice (Reduced DL)	41 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

52.50	-18.38	-17.18	0.00	-1,194.41	0.00	1,194.41	2,129.18	1,064.59	2,582.98	1,275.64	14.55	-2.72	0.515
53.00	-18.27	-17.14	0.00	-1,185.82	0.00	1,185.82	2,125.47	1,062.73	2,571.55	1,269.99	14.83	-2.75	0.513
53.50	-18.17	-17.10	0.00	-1,177.25	0.00	1,177.25	2,121.75	1,060.87	2,560.13	1,264.35	15.12	-2.78	0.511
54.00	-18.06	-17.06	0.00	-1,168.70	0.00	1,168.70	2,118.01	1,059.01	2,548.72	1,258.72	15.42	-2.81	0.509
54.50	-17.95	-17.01	0.00	-1,160.18	0.00	1,160.18	2,114.27	1,057.14	2,537.32	1,253.09	15.71	-2.83	0.507
55.00	-17.85	-16.97	0.00	-1,151.67	0.00	1,151.67	2,110.52	1,055.26	2,525.94	1,247.47	16.01	-2.86	0.505
55.50	-17.74	-16.93	0.00	-1,143.18	0.00	1,143.18	2,106.75	1,053.38	2,514.57	1,241.85	16.31	-2.89	0.503
56.00	-17.64	-16.89	0.00	-1,134.72	0.00	1,134.72	2,102.98	1,051.49	2,503.21	1,236.24	16.61	-2.92	0.500
56.50	-17.53	-16.84	0.00	-1,126.28	0.00	1,126.28	2,099.20	1,049.60	2,491.86	1,230.64	16.92	-2.95	0.498
57.00	-17.43	-16.80	0.00	-1,117.85	0.00	1,117.85	2,095.40	1,047.70	2,480.53	1,225.04	17.23	-2.97	0.496
57.50	-17.32	-16.76	0.00	-1,109.45	0.00	1,109.45	2,091.60	1,045.80	2,469.21	1,219.45	17.54	-3.00	0.494
58.00	-17.22	-16.72	0.00	-1,101.07	0.00	1,101.07	2,087.78	1,043.89	2,457.90	1,213.86	17.86	-3.03	0.492
58.50	-17.11	-16.67	0.00	-1,092.72	0.00	1,092.72	2,083.96	1,041.98	2,446.60	1,208.28	18.18	-3.06	0.490
59.00	-17.01	-16.63	0.00	-1,084.38	0.00	1,084.38	2,080.12	1,040.06	2,435.32	1,202.71	18.50	-3.08	0.487
59.50	-16.91	-16.59	0.00	-1,076.06	0.00	1,076.06	2,076.27	1,038.14	2,424.04	1,197.14	18.83	-3.11	0.485
60.00	-16.80	-16.54	0.00	-1,067.77	0.00	1,067.77	2,072.41	1,036.21	2,412.79	1,191.58	19.15	-3.14	0.483
60.50	-16.70	-16.50	0.00	-1,059.50	0.00	1,059.50	2,068.55	1,034.27	2,401.54	1,186.03	19.48	-3.17	0.481
61.00	-16.59	-16.46	0.00	-1,051.25	0.00	1,051.25	2,064.67	1,032.33	2,390.31	1,180.48	19.82	-3.20	0.479
61.50	-16.49	-16.41	0.00	-1,043.02	0.00	1,043.02	2,060.78	1,030.39	2,379.09	1,174.94	20.15	-3.22	0.476
62.00	-16.39	-16.37	0.00	-1,034.81	0.00	1,034.81	2,056.88	1,028.44	2,367.88	1,169.41	20.49	-3.25	0.474
62.50	-16.28	-16.33	0.00	-1,026.63	0.00	1,026.63	2,052.97	1,026.49	2,356.69	1,163.88	20.83	-3.28	0.472
63.00	-16.18	-16.28	0.00	-1,018.47	0.00	1,018.47	2,049.05	1,024.53	2,345.51	1,158.36	21.18	-3.31	0.470
63.50	-16.08	-16.24	0.00	-1,010.32	0.00	1,010.32	2,045.12	1,022.56	2,334.35	1,152.85	21.53	-3.33	0.467
64.00	-15.98	-16.20	0.00	-1,002.21	0.00	1,002.21	2,041.18	1,020.59	2,323.20	1,147.34	21.88	-3.36	0.465
64.50	-15.87	-16.15	0.00	-994.11	0.00	994.11	2,037.23	1,018.62	2,312.06	1,141.84	22.23	-3.39	0.463
65.00	-15.77	-16.11	0.00	-986.03	0.00	986.03	2,033.27	1,016.64	2,300.94	1,136.35	22.59	-3.42	0.461
65.50	-15.67	-16.06	0.00	-977.98	0.00	977.98	2,029.30	1,014.65	2,289.83	1,130.86	22.95	-3.44	0.458
66.00	-15.57	-16.02	0.00	-969.95	0.00	969.95	2,025.32	1,012.66	2,278.74	1,125.38	23.31	-3.47	0.456
66.50	-15.47	-15.98	0.00	-961.94	0.00	961.94	2,021.33	1,010.66	2,267.65	1,119.91	23.67	-3.50	0.454
67.00	-15.36	-15.93	0.00	-953.95	0.00	953.95	2,016.97	1,008.48	2,256.19	1,114.25	24.04	-3.53	0.452
67.50	-15.26	-15.89	0.00	-945.98	0.00	945.98	2,011.16	1,005.58	2,243.13	1,107.80	24.41	-3.55	0.450
68.00	-15.16	-15.84	0.00	-938.04	0.00	938.04	2,005.34	1,002.67	2,230.12	1,101.37	24.79	-3.58	0.448
68.50	-15.06	-15.80	0.00	-930.12	0.00	930.12	1,999.53	999.77	2,217.14	1,094.96	25.16	-3.61	0.446
69.00	-14.96	-15.75	0.00	-922.22	0.00	922.22	1,993.72	996.86	2,204.19	1,088.57	25.54	-3.64	0.444
69.50	-14.86	-15.71	0.00	-914.34	0.00	914.34	1,987.91	993.96	2,191.29	1,082.20	25.92	-3.66	0.442
70.00	-14.76	-15.66	0.00	-906.49	0.00	906.49	1,982.10	991.05	2,178.42	1,075.84	26.31	-3.69	0.440
70.50	-14.63	-15.62	0.00	-898.65	0.00	898.65	1,976.29	988.14	2,165.59	1,069.51	26.70	-3.72	0.431
71.00	-14.49	-15.57	0.00	-890.85	0.00	890.85	1,970.48	985.24	2,152.80	1,063.19	27.09	-3.74	0.429
71.50	-14.36	-15.52	0.00	-883.06	0.00	883.06	1,964.67	982.33	2,140.05	1,056.89	27.48	-3.77	0.427
72.00	-14.23	-15.47	0.00	-875.30	0.00	875.30	1,958.85	979.43	2,127.34	1,050.61	27.88	-3.80	0.425
72.50	-14.09	-15.43	0.00	-867.56	0.00	867.56	1,953.04	976.52	2,114.66	1,044.35	28.28	-3.82	0.423
73.00	-13.96	-15.38	0.00	-859.85	0.00	859.85	1,947.23	973.62	2,102.02	1,038.11	28.68	-3.85	0.421
73.33	-13.88	-15.36	0.00	-854.78	0.00	854.78	1,943.40	971.70	2,093.70	1,034.00	28.94	-3.87	0.420
73.33	-13.88	-15.36	0.00	-854.78	0.00	854.78	1,943.40	971.70	2,093.70	1,034.00	28.94	-3.87	0.459
73.50	-13.83	-15.33	0.00	-852.17	0.00	852.17	1,473.96	736.98	1,624.57	802.32	29.08	-3.88	0.547
74.00	-13.74	-15.29	0.00	-844.50	0.00	844.50	1,471.41	735.71	1,616.97	798.56	29.49	-3.90	0.544
74.50	-13.66	-15.24	0.00	-836.86	0.00	836.86	1,468.85	734.43	1,609.36	794.80	29.90	-3.94	0.540
75.00	-13.57	-15.20	0.00	-829.24	0.00	829.24	1,466.28	733.14	1,601.77	791.05	30.31	-3.97	0.537
75.50	-13.48	-15.15	0.00	-821.64	0.00	821.64	1,463.70	731.85	1,594.18	787.30	30.73	-4.00	0.534
76.00	-13.40	-15.11	0.00	-814.06	0.00	814.06	1,461.11	730.55	1,586.59	783.56	31.15	-4.03	0.530
76.50	-13.31	-15.07	0.00	-806.51	0.00	806.51	1,458.51	729.25	1,579.01	779.81	31.57	-4.06	0.527
77.00	-13.22	-15.02	0.00	-798.97	0.00	798.97	1,455.89	727.95	1,571.44	776.07	32.00	-4.09	0.524
77.50	-13.14	-14.98	0.00	-791.46	0.00	791.46	1,453.27	726.64	1,563.87	772.34	32.43	-4.12	0.521
78.00	-13.05	-14.93	0.00	-783.98	0.00	783.98	1,450.64	725.32	1,556.31	768.60	32.86	-4.15	0.517
78.50	-12.97	-14.89	0.00	-776.51	0.00	776.51	1,447.99	724.00	1,548.75	764.87	33.30	-4.18	0.514
79.00	-12.88	-14.84	0.00	-769.07	0.00	769.07	1,445.34	722.67	1,541.20	761.14	33.74	-4.21	0.511
79.50	-12.80	-14.80	0.00	-761.64	0.00	761.64	1,442.68	721.34	1,533.65	757.41	34.18	-4.25	0.507

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:55 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W				101 mph with No Ice (Reduced DL)				41 Iterations			
Gust Response Factor : 1.10								Wind Importance Factor : 1.00			
Dead Load Factor : 0.90											
Wind Load Factor : 1.60											

80.00	-12.71	-14.75	0.00	-754.24	0.00	754.24	1,440.00	720.00	1,526.12	753.69	34.63	-4.28	0.504
80.50	-12.62	-14.71	0.00	-746.87	0.00	746.87	1,437.32	718.66	1,518.59	749.97	35.08	-4.31	0.501
81.00	-12.54	-14.67	0.00	-739.51	0.00	739.51	1,434.62	717.31	1,511.06	746.26	35.53	-4.34	0.497
81.50	-12.46	-14.62	0.00	-732.18	0.00	732.18	1,431.91	715.96	1,503.54	742.54	35.99	-4.37	0.494
82.00	-12.37	-14.58	0.00	-724.87	0.00	724.87	1,429.20	714.60	1,496.03	738.83	36.44	-4.40	0.491
82.50	-12.29	-14.53	0.00	-717.58	0.00	717.58	1,426.47	713.23	1,488.53	735.13	36.91	-4.43	0.487
83.00	-12.20	-14.49	0.00	-710.32	0.00	710.32	1,423.73	711.87	1,481.03	731.43	37.37	-4.46	0.484
83.50	-12.12	-14.44	0.00	-703.07	0.00	703.07	1,420.98	710.49	1,473.54	727.73	37.84	-4.49	0.481
84.00	-12.03	-14.40	0.00	-695.85	0.00	695.85	1,418.23	709.11	1,466.06	724.03	38.31	-4.52	0.477
84.50	-11.95	-14.35	0.00	-688.65	0.00	688.65	1,415.46	707.73	1,458.58	720.34	38.79	-4.55	0.474
85.00	-11.87	-14.31	0.00	-681.48	0.00	681.48	1,412.68	706.34	1,451.11	716.65	39.26	-4.58	0.471
85.50	-11.78	-14.26	0.00	-674.32	0.00	674.32	1,409.89	704.94	1,443.65	712.97	39.74	-4.61	0.467
86.00	-11.70	-14.22	0.00	-667.19	0.00	667.19	1,407.09	703.54	1,436.20	709.28	40.23	-4.64	0.464
86.50	-11.62	-14.17	0.00	-660.08	0.00	660.08	1,404.28	702.14	1,428.75	705.61	40.71	-4.67	0.460
87.00	-11.53	-14.13	0.00	-652.99	0.00	652.99	1,401.46	700.73	1,421.32	701.93	41.20	-4.69	0.457
87.50	-11.45	-14.08	0.00	-645.93	0.00	645.93	1,398.63	699.31	1,413.89	698.26	41.70	-4.72	0.454
88.00	-11.37	-14.04	0.00	-638.89	0.00	638.89	1,395.79	697.89	1,406.46	694.60	42.19	-4.75	0.450
88.50	-11.28	-13.99	0.00	-631.87	0.00	631.87	1,392.93	696.47	1,399.05	690.94	42.69	-4.78	0.447
89.00	-11.20	-13.95	0.00	-624.87	0.00	624.87	1,390.07	695.04	1,391.64	687.28	43.19	-4.81	0.443
89.50	-11.12	-13.90	0.00	-617.90	0.00	617.90	1,387.20	693.60	1,384.25	683.63	43.70	-4.84	0.440
90.00	-11.04	-13.86	0.00	-610.95	0.00	610.95	1,384.32	692.16	1,376.86	679.98	44.21	-4.87	0.436
90.50	-10.96	-13.81	0.00	-604.02	0.00	604.02	1,381.42	690.71	1,369.48	676.33	44.72	-4.90	0.433
91.00	-10.87	-13.77	0.00	-597.11	0.00	597.11	1,378.52	689.26	1,362.10	672.69	45.23	-4.93	0.430
91.50	-10.79	-13.72	0.00	-590.23	0.00	590.23	1,375.61	687.80	1,354.74	669.06	45.75	-4.95	0.426
92.00	-10.71	-13.68	0.00	-583.37	0.00	583.37	1,372.68	686.34	1,347.39	665.42	46.27	-4.98	0.423
92.50	-10.63	-13.63	0.00	-576.53	0.00	576.53	1,369.75	684.87	1,340.04	661.80	46.79	-5.01	0.419
93.00	-10.55	-13.59	0.00	-569.71	0.00	569.71	1,366.80	683.40	1,332.70	658.17	47.32	-5.04	0.416
93.50	-10.47	-13.54	0.00	-562.92	0.00	562.92	1,363.85	681.92	1,325.38	654.55	47.85	-5.07	0.412
94.00	-10.39	-13.50	0.00	-556.15	0.00	556.15	1,360.88	680.44	1,318.06	650.94	48.38	-5.10	0.409
94.50	-10.31	-13.45	0.00	-549.40	0.00	549.40	1,357.90	678.95	1,310.75	647.33	48.91	-5.12	0.405
95.00	-10.23	-13.41	0.00	-542.67	0.00	542.67	1,354.92	677.46	1,303.45	643.72	49.45	-5.15	0.402
95.50	-10.15	-13.36	0.00	-535.97	0.00	535.97	1,351.92	675.96	1,296.16	640.12	49.99	-5.18	0.398
96.00	-10.07	-13.32	0.00	-529.29	0.00	529.29	1,348.91	674.46	1,288.88	636.53	50.53	-5.21	0.395
96.50	-9.99	-13.27	0.00	-522.63	0.00	522.63	1,345.89	672.95	1,281.61	632.94	51.08	-5.23	0.391
97.00	-9.91	-13.23	0.00	-515.99	0.00	515.99	1,342.86	671.43	1,274.35	629.35	51.63	-5.26	0.387
97.50	-9.83	-13.18	0.00	-509.38	0.00	509.38	1,339.82	669.91	1,267.09	625.77	52.18	-5.29	0.384
98.00	-9.75	-13.14	0.00	-502.79	0.00	502.79	1,336.78	668.39	1,259.85	622.19	52.74	-5.31	0.380
98.50	-9.67	-13.09	0.00	-496.22	0.00	496.22	1,333.72	666.86	1,252.62	618.62	53.29	-5.34	0.377
99.00	-9.59	-13.05	0.00	-489.68	0.00	489.68	1,330.65	665.32	1,245.40	615.06	53.85	-5.37	0.373
99.50	-9.51	-13.00	0.00	-483.16	0.00	483.16	1,327.57	663.78	1,238.19	611.50	54.42	-5.39	0.369
100.00	-9.43	-12.95	0.00	-476.66	0.00	476.66	1,324.47	662.24	1,230.99	607.94	54.98	-5.42	0.366
100.50	-9.35	-12.91	0.00	-470.18	0.00	470.18	1,321.37	660.69	1,223.80	604.39	55.55	-5.45	0.362
101.00	-9.28	-12.86	0.00	-463.72	0.00	463.72	1,318.26	659.13	1,216.62	600.84	56.12	-5.47	0.359
101.50	-9.20	-12.82	0.00	-457.29	0.00	457.29	1,315.14	657.57	1,209.45	597.30	56.70	-5.50	0.355
102.00	-9.12	-12.77	0.00	-450.88	0.00	450.88	1,312.01	656.00	1,202.30	593.77	57.27	-5.53	0.351
102.50	-9.04	-12.73	0.00	-444.50	0.00	444.50	1,308.86	654.43	1,195.15	590.24	57.85	-5.55	0.348
103.00	-8.96	-12.68	0.00	-438.13	0.00	438.13	1,305.71	652.86	1,188.02	586.72	58.43	-5.58	0.344
103.50	-8.89	-12.64	0.00	-431.79	0.00	431.79	1,302.55	651.27	1,180.89	583.20	59.02	-5.60	0.340
104.00	-8.81	-12.59	0.00	-425.47	0.00	425.47	1,299.37	649.69	1,173.78	579.69	59.61	-5.63	0.337
104.50	-8.73	-12.55	0.00	-419.18	0.00	419.18	1,296.19	648.09	1,166.68	576.18	60.20	-5.65	0.333
105.00	-8.65	-12.50	0.00	-412.90	0.00	412.90	1,292.99	646.50	1,159.59	572.68	60.79	-5.68	0.329
105.50	-8.58	-12.46	0.00	-406.65	0.00	406.65	1,288.98	644.49	1,151.78	568.82	61.38	-5.70	0.326
106.00	-8.50	-12.41	0.00	-400.42	0.00	400.42	1,284.93	642.16	1,143.44	564.70	61.98	-5.73	0.322
106.50	-8.42	-12.37	0.00	-394.22	0.00	394.22	1,279.68	639.84	1,135.13	560.60	62.58	-5.75	0.319
107.00	-8.35	-12.32	0.00	-388.03	0.00	388.03	1,275.03	637.51	1,126.85	556.51	63.18	-5.78	0.315
107.50	-8.27	-12.28	0.00	-381.87	0.00	381.87	1,270.38	635.19	1,118.60	552.44	63.79	-5.80	0.312
108.00	-8.19	-12.23	0.00	-375.73	0.00	375.73	1,265.73	632.87	1,110.38	548.38	64.40	-5.82	0.309

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:56 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W	101 mph with No Ice (Reduced DL)	41 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

108.50	-8.12	-12.19	0.00	-369.62	0.00	369.62	1,261.08	630.54	1,102.19	544.33	65.01	-5.85	0.305
109.00	-8.04	-12.14	0.00	-363.53	0.00	363.53	1,256.43	628.22	1,094.04	540.30	65.62	-5.87	0.302
109.50	-7.97	-12.10	0.00	-357.45	0.00	357.45	1,251.78	625.89	1,085.91	536.29	66.24	-5.89	0.298
110.00	-7.89	-12.05	0.00	-351.41	0.00	351.41	1,247.14	623.57	1,077.81	532.29	66.85	-5.92	0.295
110.00	-7.89	-12.05	0.00	-351.41	0.00	351.41	853.24	426.62	741.79	366.34	66.85	-5.92	0.000
110.50	-7.83	-12.01	0.00	-345.38	0.00	345.38	851.46	425.73	737.46	364.21	67.47	-5.94	0.411
111.00	-7.76	-11.97	0.00	-339.38	0.00	339.38	849.67	424.84	733.15	362.07	68.10	-5.97	0.405
111.50	-7.70	-11.92	0.00	-333.39	0.00	333.39	847.87	423.94	728.83	359.94	68.72	-6.00	0.399
112.00	-7.63	-11.88	0.00	-327.43	0.00	327.43	846.07	423.03	724.52	357.81	69.35	-6.03	0.393
112.50	-7.57	-11.84	0.00	-321.49	0.00	321.49	844.25	422.12	720.21	355.68	69.98	-6.05	0.388
113.00	-7.51	-11.79	0.00	-315.58	0.00	315.58	842.42	421.21	715.90	353.56	70.62	-6.08	0.382
113.50	-7.44	-11.75	0.00	-309.68	0.00	309.68	840.58	420.29	711.60	351.43	71.26	-6.11	0.376
114.00	-7.38	-11.71	0.00	-303.80	0.00	303.80	838.73	419.36	707.30	349.31	71.90	-6.14	0.370
114.50	-7.32	-11.67	0.00	-297.95	0.00	297.95	836.87	418.43	703.00	347.19	72.54	-6.17	0.364
115.00	-7.25	-11.62	0.00	-292.12	0.00	292.12	834.99	417.50	698.71	345.06	73.19	-6.19	0.359
115.50	-7.19	-11.58	0.00	-286.30	0.00	286.30	833.11	416.56	694.42	342.95	73.83	-6.22	0.353
116.00	-7.13	-11.54	0.00	-280.51	0.00	280.51	831.22	415.61	690.13	340.83	74.49	-6.25	0.347
116.50	-7.07	-11.49	0.00	-274.75	0.00	274.75	829.32	414.66	685.85	338.71	75.14	-6.27	0.341
116.50	-7.07	-11.49	0.00	-274.75	0.00	274.75	829.32	414.66	685.85	338.71	75.14	-6.27	0.820
117.00	-7.02	-11.46	0.00	-269.00	0.00	269.00	827.41	413.70	681.57	336.60	75.80	-6.30	0.808
117.50	-6.98	-11.42	0.00	-263.27	0.00	263.27	825.48	412.74	677.29	334.49	76.46	-6.36	0.796
118.00	-6.93	-11.39	0.00	-257.56	0.00	257.56	823.55	411.77	673.02	332.38	77.13	-6.42	0.784
118.50	-6.88	-11.35	0.00	-251.87	0.00	251.87	821.61	410.80	668.75	330.27	77.80	-6.48	0.772
119.00	-6.84	-11.31	0.00	-246.19	0.00	246.19	819.65	409.83	664.49	328.17	78.48	-6.54	0.759
119.50	-6.79	-11.28	0.00	-240.54	0.00	240.54	817.69	408.84	660.23	326.06	79.17	-6.60	0.747
120.00	-6.75	-11.24	0.00	-234.90	0.00	234.90	815.71	407.86	655.98	323.96	79.86	-6.66	0.734
120.50	-6.70	-11.21	0.00	-229.28	0.00	229.28	813.73	406.86	651.73	321.87	80.56	-6.71	0.721
121.00	-6.66	-11.17	0.00	-223.67	0.00	223.67	811.73	405.86	647.49	319.77	81.27	-6.77	0.708
121.50	-6.61	-11.13	0.00	-218.09	0.00	218.09	809.72	404.86	643.25	317.68	81.98	-6.83	0.695
122.00	-6.57	-11.10	0.00	-212.52	0.00	212.52	807.71	403.85	639.01	315.58	82.69	-6.88	0.682
122.50	-6.52	-11.06	0.00	-206.97	0.00	206.97	805.68	402.84	634.78	313.49	83.42	-6.94	0.669
123.00	-6.48	-11.02	0.00	-201.44	0.00	201.44	803.64	401.82	630.56	311.41	84.14	-6.99	0.656
123.50	-6.44	-10.99	0.00	-195.93	0.00	195.93	801.59	400.80	626.34	309.32	84.88	-7.05	0.642
124.00	-6.39	-10.95	0.00	-190.44	0.00	190.44	799.54	399.77	622.12	307.24	85.62	-7.10	0.629
124.50	-6.35	-10.92	0.00	-184.96	0.00	184.96	797.47	398.73	617.91	305.16	86.36	-7.15	0.615
125.00	-6.31	-10.88	0.00	-179.50	0.00	179.50	795.39	397.69	613.71	303.09	87.11	-7.20	0.601
125.50	-6.27	-10.84	0.00	-174.06	0.00	174.06	793.30	396.65	609.51	301.01	87.87	-7.25	0.587
126.00	-6.23	-10.81	0.00	-168.64	0.00	168.64	791.20	395.60	605.32	298.94	88.63	-7.30	0.573
126.50	-6.18	-10.77	0.00	-163.24	0.00	163.24	789.09	394.54	601.13	296.88	89.39	-7.35	0.558
127.00	-6.14	-10.73	0.00	-157.85	0.00	157.85	786.97	393.48	596.95	294.81	90.16	-7.39	0.544
127.50	-6.10	-10.70	0.00	-152.49	0.00	152.49	784.84	392.42	592.78	292.75	90.94	-7.44	0.529
128.00	-6.06	-10.66	0.00	-147.14	0.00	147.14	782.69	391.35	588.61	290.69	91.71	-7.48	0.515
128.50	-6.02	-10.62	0.00	-141.81	0.00	141.81	780.54	390.27	584.44	288.64	92.50	-7.53	0.500
129.00	-5.98	-10.59	0.00	-136.50	0.00	136.50	778.38	389.19	580.29	286.58	93.29	-7.57	0.485
129.50	-5.94	-10.55	0.00	-131.21	0.00	131.21	776.21	388.10	576.14	284.53	94.08	-7.61	0.470
130.00	-5.90	-10.51	0.00	-125.93	0.00	125.93	774.02	387.01	572.00	282.49	94.88	-7.65	0.454
130.50	-5.86	-10.48	0.00	-120.67	0.00	120.67	771.83	385.91	567.86	280.44	95.68	-7.69	0.439
131.00	-3.48	-6.37	0.00	-115.44	0.00	115.44	769.63	384.81	563.73	278.40	96.48	-7.73	0.419
131.50	-3.45	-6.33	0.00	-112.25	0.00	112.25	767.41	383.71	559.60	276.37	97.29	-7.77	0.411
132.00	-3.42	-6.29	0.00	-109.09	0.00	109.09	765.19	382.59	555.49	274.33	98.11	-7.80	0.402
132.50	-3.39	-6.25	0.00	-105.94	0.00	105.94	762.95	381.48	551.38	272.31	98.92	-7.84	0.394
133.00	-3.36	-6.22	0.00	-102.82	0.00	102.82	760.71	380.35	547.28	270.28	99.74	-7.88	0.385
133.50	-3.33	-6.18	0.00	-99.71	0.00	99.71	758.45	379.23	543.18	268.26	100.57	-7.91	0.376
134.00	-3.30	-6.14	0.00	-96.62	0.00	96.62	756.18	378.09	539.09	266.24	101.40	-7.94	0.368
134.50	-3.27	-6.10	0.00	-93.55	0.00	93.55	753.91	376.95	535.01	264.22	102.23	-7.98	0.359
135.00	-3.24	-6.07	0.00	-90.50	0.00	90.50	751.62	375.81	530.94	262.21	103.06	-8.01	0.350
135.50	-3.21	-6.03	0.00	-87.46	0.00	87.46	749.32	374.66	526.87	260.20	103.90	-8.04	0.341

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:56 PM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W	101 mph with No Ice (Reduced DL)	41 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

136.00	-3.18	-5.99	0.00	-84.45	0.00	84.45	747.01	373.51	522.82	258.20	104.74	-8.08	0.332
136.50	-3.15	-5.96	0.00	-81.45	0.00	81.45	744.70	372.35	518.77	256.20	105.59	-8.11	0.322
137.00	-3.12	-5.92	0.00	-78.47	0.00	78.47	742.37	371.18	514.72	254.20	106.43	-8.14	0.313
137.50	-3.09	-5.88	0.00	-75.52	0.00	75.52	740.03	370.01	510.69	252.21	107.29	-8.17	0.304
138.00	-3.07	-5.84	0.00	-72.57	0.00	72.57	737.68	368.84	506.66	250.22	108.14	-8.20	0.294
138.50	-3.04	-5.81	0.00	-69.65	0.00	69.65	735.32	367.66	502.65	248.24	109.00	-8.22	0.285
139.00	-3.01	-5.77	0.00	-66.75	0.00	66.75	732.95	366.47	498.64	246.26	109.86	-8.25	0.275
139.50	-2.98	-5.73	0.00	-63.86	0.00	63.86	730.57	365.28	494.64	244.28	110.72	-8.28	0.266
140.00	-2.95	-5.70	0.00	-61.00	0.00	61.00	728.18	364.09	490.64	242.31	111.59	-8.30	0.256
140.50	-2.93	-5.66	0.00	-58.15	0.00	58.15	725.44	362.72	486.44	240.23	112.45	-8.33	0.246
141.00	-2.91	-5.63	0.00	-55.32	0.00	55.32	721.95	360.98	481.74	237.92	113.32	-8.35	0.237
141.50	-2.89	-5.60	0.00	-52.75	0.00	52.75	718.47	359.23	477.08	235.61	114.20	-8.38	0.228
142.00	-2.86	-5.56	0.00	-50.20	0.00	50.20	714.98	357.49	472.43	233.32	115.07	-8.40	0.219
142.50	-2.84	-5.52	0.00	-47.67	0.00	47.67	711.49	355.75	467.81	231.03	115.95	-8.42	0.211
143.00	-2.81	-5.49	0.00	-45.16	0.00	45.16	708.01	354.00	463.21	228.76	116.83	-8.44	0.202
143.50	-2.79	-5.45	0.00	-42.67	0.00	42.67	704.52	352.26	458.63	226.50	117.71	-8.46	0.193
144.00	-2.76	-5.42	0.00	-40.19	0.00	40.19	701.03	350.52	454.07	224.25	118.60	-8.48	0.183
144.50	-2.74	-5.38	0.00	-37.73	0.00	37.73	697.55	348.77	449.54	222.01	119.48	-8.50	0.174
145.00	-2.71	-5.35	0.00	-35.29	0.00	35.29	694.06	347.03	445.03	219.78	120.37	-8.52	0.165
145.50	-2.69	-5.31	0.00	-32.87	0.00	32.87	690.57	345.29	440.55	217.57	121.26	-8.53	0.155
146.00	-2.67	-5.28	0.00	-30.46	0.00	30.46	687.09	343.54	436.08	215.36	122.15	-8.55	0.146
146.50	-2.64	-5.24	0.00	-28.07	0.00	28.07	683.60	341.80	431.64	213.17	123.05	-8.56	0.136
147.00	-2.62	-5.21	0.00	-25.70	0.00	25.70	680.11	340.06	427.22	210.99	123.94	-8.58	0.126
147.50	-2.60	-5.17	0.00	-23.35	0.00	23.35	676.63	338.31	422.83	208.82	124.84	-8.59	0.116
148.00	-2.57	-5.14	0.00	-21.02	0.00	21.02	673.14	336.57	418.45	206.66	125.73	-8.60	0.106
148.50	-2.55	-5.10	0.00	-18.70	0.00	18.70	669.65	334.83	414.10	204.51	126.63	-8.61	0.095
149.00	-2.53	-5.07	0.00	-16.40	0.00	16.40	666.16	333.08	409.78	202.37	127.53	-8.62	0.085
149.50	-2.51	-5.03	0.00	-14.12	0.00	14.12	662.68	331.34	405.47	200.25	128.43	-8.63	0.074
150.00	0.00	-4.10	0.00	-11.85	0.00	11.85	659.19	329.60	401.19	198.13	129.33	-8.64	0.060

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:53:56 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 in Radial Ice

40 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		4.7	0.0					0.0	0.0	4.7	0.0	0.0	0.0
0.50		9.5	113.9					0.0	55.6	9.5	169.5	0.0	0.0
1.00		9.5	116.4					0.0	55.9	9.5	172.3	0.0	0.0
1.50		9.5	117.5					0.0	56.0	9.5	173.5	0.0	0.0
2.00		9.5	118.2					0.0	56.1	9.5	174.3	0.0	0.0
2.50		9.5	118.7					0.0	56.2	9.5	174.9	0.0	0.0
3.00		9.5	119.0					0.0	56.3	9.5	175.3	0.0	0.0
3.50		9.5	119.3					0.0	56.3	9.5	175.6	0.0	0.0
4.00		9.5	119.4					0.0	56.4	9.5	175.8	0.0	0.0
4.50		9.5	119.6					0.0	56.4	9.5	176.0	0.0	0.0
5.00		9.5	119.7					0.0	56.5	9.5	176.1	0.0	0.0
5.50		9.4	119.7					0.0	56.5	9.4	176.2	0.0	0.0
6.00		9.4	119.8					0.0	56.6	9.4	176.3	0.0	0.0
6.50		9.4	119.8					0.0	56.6	9.4	176.3	0.0	0.0
7.00		9.4	119.7					0.0	56.6	9.4	176.4	0.0	0.0
7.50		9.4	119.7					0.0	56.6	9.4	176.4	0.0	0.0
8.00		9.4	119.7					0.0	56.7	9.4	176.3	0.0	0.0
8.50		9.3	119.6					0.0	108.4	9.3	228.0	0.0	0.0
9.00		9.3	119.6					0.0	108.5	9.3	228.1	0.0	0.0
9.50		9.3	119.5					0.0	108.7	9.3	228.2	0.0	0.0
10.00		9.3	119.4					0.0	108.8	9.3	228.2	0.0	0.0
10.50		9.3	119.3					0.0	109.0	9.3	228.3	0.0	0.0
11.00		9.3	119.2					0.0	109.1	9.3	228.3	0.0	0.0
11.50		9.3	119.1					0.0	109.3	9.3	228.4	0.0	0.0
12.00		9.2	119.0					0.0	109.4	9.2	228.4	0.0	0.0
12.50		9.2	118.8					0.0	109.5	9.2	228.4	0.0	0.0
13.00		9.2	118.7					0.0	109.7	9.2	228.4	0.0	0.0
13.50		9.2	118.6					0.0	109.8	9.2	228.4	0.0	0.0
14.00		9.2	118.4					0.0	109.9	9.2	228.3	0.0	0.0
14.50		9.2	118.3					0.0	110.0	9.2	228.3	0.0	0.0
15.00		9.1	118.2					0.0	110.1	9.1	228.3	0.0	0.0
15.50		9.1	118.0					0.0	110.2	9.1	228.2	0.0	0.0
16.00		9.1	117.8					0.0	110.3	9.1	228.2	0.0	0.0
16.50		9.1	117.7					0.0	110.4	9.1	228.1	0.0	0.0
17.00		9.1	117.5					0.0	110.5	9.1	228.0	0.0	0.0
17.50		9.1	117.4					0.0	110.6	9.1	228.0	0.0	0.0
18.00		9.0	117.2					0.0	110.7	9.0	227.9	0.0	0.0
18.50		9.0	117.0					0.0	110.8	9.0	227.8	0.0	0.0
19.00		9.0	116.9					0.0	110.9	9.0	227.7	0.0	0.0
19.50		9.0	116.7					0.0	110.9	9.0	227.6	0.0	0.0
20.00		9.0	116.5					0.0	111.0	9.0	227.5	0.0	0.0
20.50		8.9	116.3					0.0	111.1	8.9	227.4	0.0	0.0
21.00		8.9	116.1					0.0	111.2	8.9	227.3	0.0	0.0
21.50		8.9	116.0					0.0	111.3	8.9	227.2	0.0	0.0
22.00		8.9	115.8					0.0	111.3	8.9	227.1	0.0	0.0
22.50		8.9	115.6					0.0	111.4	8.9	227.0	0.0	0.0
23.00		8.9	115.4					0.0	111.5	8.9	226.9	0.0	0.0
23.50		8.8	115.2					0.0	111.6	8.8	226.8	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:16 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 in Radial Ice

40 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

24.00		8.8	115.0						
24.50		8.8	114.8	0.0	111.6	8.8	226.6	0.0	0.0
25.00		8.8	114.6	0.0	111.7	8.8	226.5	0.0	0.0
25.50		8.8	114.4	0.0	111.8	8.8	226.4	0.0	0.0
26.00		8.8	114.2	0.0	111.8	8.8	226.2	0.0	0.0
26.50		8.7	114.0	0.0	111.9	8.8	226.1	0.0	0.0
27.00		8.7	113.8	0.0	112.0	8.7	226.0	0.0	0.0
27.50		8.7	113.6	0.0	112.0	8.7	225.8	0.0	0.0
28.00		8.7	113.4	0.0	112.1	8.7	225.7	0.0	0.0
28.50		8.7	113.2	0.0	112.2	8.7	225.5	0.0	0.0
29.00		8.7	113.0	0.0	112.2	8.7	225.4	0.0	0.0
29.50		8.6	112.8	0.0	112.3	8.7	225.3	0.0	0.0
30.00		8.6	112.6	0.0	112.3	8.6	225.1	0.0	0.0
30.50		8.6	112.4	0.0	112.4	8.6	224.9	0.0	0.0
31.00		8.6	112.2	0.0	112.4	8.6	224.8	0.0	0.0
31.50	Bot - Section 2	8.7	112.1	0.0	112.4	8.6	224.8	0.0	0.0
32.00		8.7	111.9	0.0	112.5	8.7	224.6	0.0	0.0
32.50		8.8	111.9	0.0	112.5	8.8	224.4	0.0	0.0
33.00		8.9	179.6	0.0	112.6	8.9	292.2	0.0	0.0
33.50		8.9	179.2	0.0	112.7	8.9	291.8	0.0	0.0
34.00		8.9	178.8	0.0	112.7	8.9	291.5	0.0	0.0
34.50		8.9	178.4	0.0	112.8	8.9	291.2	0.0	0.0
35.00		8.9	178.0	0.0	112.8	8.9	290.8	0.0	0.0
35.50		9.0	177.6	0.0	112.8	8.9	290.8	0.0	0.0
35.50		9.0	177.3	0.0	112.9	9.0	290.5	0.0	0.0
35.50		6.0	176.9	0.0	112.9	9.0	290.2	0.0	0.0
35.67	Top - Section 1	6.0	176.9	0.0	113.0	6.0	289.9	0.0	0.0
36.00		4.5	58.9	0.0	37.7	4.5	96.5	0.0	0.0
36.50		7.5	66.1	0.0	75.4	7.5	141.4	0.0	0.0
36.50		6.0	98.9	0.0	113.1	6.0	212.0	0.0	0.0
36.67	Reinf. Top Reinf	4.5	33.6	0.0	38.5	4.5	72.0	0.0	0.0
37.00		7.5	65.1	0.0	69.6	7.5	134.7	0.0	0.0
37.50		9.1	98.5	0.0	105.5	9.1	204.0	0.0	0.0
38.00		9.1	98.3	0.0	105.6	9.1	203.9	0.0	0.0
38.50		9.1	98.1	0.0	105.6	9.1	203.7	0.0	0.0
39.00		9.1	97.9	0.0	105.7	9.1	203.6	0.0	0.0
39.50		9.1	97.7	0.0	105.7	9.1	203.4	0.0	0.0
40.00		9.1	97.5	0.0	105.7	9.1	203.3	0.0	0.0
40.50		9.1	97.3	0.0	105.7	9.1	203.3	0.0	0.0
41.00		9.2	97.1	0.0	105.8	9.1	203.1	0.0	0.0
41.50		9.2	97.0	0.0	105.8	9.2	203.0	0.0	0.0
42.00		9.2	96.8	0.0	105.9	9.2	202.8	0.0	0.0
42.50		9.2	96.6	0.0	105.9	9.2	202.7	0.0	0.0
43.00		9.2	96.4	0.0	106.0	9.2	202.5	0.0	0.0
43.50		9.2	96.2	0.0	106.0	9.2	202.4	0.0	0.0
44.00		9.2	96.0	0.0	106.0	9.2	202.2	0.0	0.0
44.50		9.2	95.8	0.0	106.1	9.2	202.0	0.0	0.0
45.00		9.2	95.6	0.0	106.1	9.2	201.9	0.0	0.0
45.50		9.2	95.4	0.0	106.2	9.2	201.7	0.0	0.0
46.00		9.3	95.2	0.0	106.2	9.3	201.6	0.0	0.0
46.50		9.3	94.9	0.0	106.2	9.3	201.4	0.0	0.0
47.00		9.3	94.7	0.0	106.3	9.3	201.2	0.0	0.0
47.50		9.3	94.5	0.0	106.3	9.3	201.1	0.0	0.0
48.00		9.3	94.3	0.0	106.3	9.3	201.1	0.0	0.0
48.50		9.3	94.1	0.0	106.4	9.3	200.9	0.0	0.0
49.00		9.3	93.9	0.0	106.4	9.3	200.7	0.0	0.0
49.50		9.3	93.7	0.0	106.4	9.3	200.6	0.0	0.0
50.00		9.3	93.5	0.0	106.5	9.3	200.4	0.0	0.0
50.50		9.3	93.3	0.0	106.5	9.3	200.2	0.0	0.0
51.00		9.3	93.1	0.0	106.6	9.3	200.1	0.0	0.0
				0.0	106.6	9.3	199.9	0.0	0.0
				0.0	106.6	9.3	199.7	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:16 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 in Radial Ice

40 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

51.50	9.3	92.9	0.0	106.7	9.3	199.6	0.0	0.0	
52.00	9.3	92.7	0.0	106.7	9.3	199.4	0.0	0.0	
52.50	9.3	92.5	0.0	106.7	9.3	199.2	0.0	0.0	
53.00	9.3	92.3	0.0	106.8	9.3	199.0	0.0	0.0	
53.50	9.3	92.1	0.0	106.8	9.3	198.9	0.0	0.0	
54.00	9.3	91.8	0.0	106.8	9.3	198.7	0.0	0.0	
54.50	9.4	91.6	0.0	106.9	9.4	198.5	0.0	0.0	
55.00	9.4	91.4	0.0	106.9	9.4	198.3	0.0	0.0	
55.50	9.4	91.2	0.0	106.9	9.4	198.2	0.0	0.0	
56.00	9.4	91.0	0.0	107.0	9.4	198.0	0.0	0.0	
56.50	9.4	90.8	0.0	107.0	9.4	197.8	0.0	0.0	
57.00	9.4	90.6	0.0	107.0	9.4	197.6	0.0	0.0	
57.50	9.4	90.4	0.0	107.1	9.4	197.4	0.0	0.0	
58.00	9.4	90.2	0.0	107.1	9.4	197.3	0.0	0.0	
58.50	9.4	89.9	0.0	107.1	9.4	197.1	0.0	0.0	
59.00	9.4	89.7	0.0	107.2	9.4	196.9	0.0	0.0	
59.50	9.4	89.5	0.0	107.2	9.4	196.7	0.0	0.0	
60.00	9.4	89.3	0.0	107.2	9.4	196.5	0.0	0.0	
60.50	9.4	89.1	0.0	107.3	9.4	196.3	0.0	0.0	
61.00	9.4	88.9	0.0	107.3	9.4	196.2	0.0	0.0	
61.50	9.4	88.7	0.0	107.3	9.4	196.0	0.0	0.0	
62.00	9.4	88.4	0.0	107.4	9.4	195.8	0.0	0.0	
62.50	9.4	88.2	0.0	107.4	9.4	195.6	0.0	0.0	
63.00	9.4	88.0	0.0	107.4	9.4	195.4	0.0	0.0	
63.50	9.4	87.8	0.0	107.4	9.4	195.2	0.0	0.0	
64.00	9.4	87.6	0.0	107.5	9.4	195.0	0.0	0.0	
64.50	9.4	87.4	0.0	107.5	9.4	194.9	0.0	0.0	
65.00	9.4	87.1	0.0	107.5	9.4	194.7	0.0	0.0	
65.50	9.4	86.9	0.0	107.6	9.4	194.5	0.0	0.0	
66.00	9.3	86.7	0.0	107.6	9.3	194.3	0.0	0.0	
66.50	9.3	86.5	0.0	107.6	9.3	194.1	0.0	0.0	
67.00	9.3	86.3	0.0	107.6	9.3	193.9	0.0	0.0	
67.50	9.3	86.0	0.0	107.7	9.3	193.7	0.0	0.0	
68.00	9.3	85.8	0.0	107.7	9.3	193.5	0.0	0.0	
68.50	9.3	85.6	0.0	107.7	9.3	193.3	0.0	0.0	
69.00	9.3	85.4	0.0	107.8	9.3	193.1	0.0	0.0	
69.50	9.3	85.2	0.0	107.8	9.3	193.0	0.0	0.0	
70.00	Bot - Section 3	9.4	84.9	0.0	107.8	9.4	192.7	0.0	0.0
70.50		9.5	130.1	0.0	107.9	9.5	237.9	0.0	0.0
71.00		9.5	129.7	0.0	107.9	9.5	237.6	0.0	0.0
71.50		9.5	129.3	0.0	107.9	9.5	237.2	0.0	0.0
72.00		9.5	129.0	0.0	107.9	9.5	236.9	0.0	0.0
72.50		9.4	128.6	0.0	107.9	9.4	236.6	0.0	0.0
73.00		7.8	128.3	0.0	108.0	7.8	236.3	0.0	0.0
73.33	Reinf. Top Reinf	4.7	84.5	0.0	71.3	4.7	155.8	0.0	0.0
73.50	Top - Section 2	6.3	43.4	0.0	34.1	6.3	77.6	0.0	0.0
74.00		9.4	73.9	0.0	100.5	9.4	174.4	0.0	0.0
74.50		9.4	73.7	0.0	100.5	9.4	174.2	0.0	0.0
75.00		9.4	73.5	0.0	100.5	9.4	174.0	0.0	0.0
75.50		9.4	73.3	0.0	100.5	9.4	173.9	0.0	0.0
76.00		9.4	73.1	0.0	100.6	9.4	173.7	0.0	0.0
76.50		9.4	72.9	0.0	100.6	9.4	173.5	0.0	0.0
77.00		9.4	72.7	0.0	100.6	9.4	173.4	0.0	0.0
77.50		9.4	72.6	0.0	100.6	9.4	173.2	0.0	0.0
78.00		9.4	72.4	0.0	100.7	9.4	173.0	0.0	0.0
78.50		9.4	72.2	0.0	100.7	9.4	172.9	0.0	0.0
79.00		9.4	72.0	0.0	100.7	9.4	172.7	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:16 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi	50 mph with 0.75 in Radial Ice				40 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								

79.50	9.4	71.8	0.0	100.7	9.4	172.5	0.0	0.0
80.00	9.4	71.6	0.0	100.8	9.4	172.4	0.0	0.0
80.50	9.3	71.4	0.0	100.8	9.3	172.2	0.0	0.0
81.00	9.3	71.2	0.0	100.8	9.3	172.0	0.0	0.0
81.50	9.3	71.0	0.0	100.8	9.3	171.9	0.0	0.0
82.00	9.3	70.8	0.0	100.9	9.3	171.7	0.0	0.0
82.50	9.3	70.6	0.0	100.9	9.3	171.5	0.0	0.0
83.00	9.3	70.4	0.0	100.9	9.3	171.3	0.0	0.0
83.50	9.3	70.2	0.0	100.9	9.3	171.2	0.0	0.0
84.00	9.3	70.0	0.0	101.0	9.3	171.0	0.0	0.0
84.50	9.3	69.9	0.0	101.0	9.3	170.8	0.0	0.0
85.00	9.3	69.7	0.0	101.0	9.3	170.7	0.0	0.0
85.50	9.3	69.5	0.0	101.0	9.3	170.5	0.0	0.0
86.00	9.2	69.3	0.0	101.1	9.2	170.3	0.0	0.0
86.50	9.2	69.1	0.0	101.1	9.2	170.1	0.0	0.0
87.00	9.2	68.9	0.0	101.1	9.2	170.0	0.0	0.0
87.50	9.2	68.7	0.0	101.1	9.2	169.8	0.0	0.0
88.00	9.2	68.5	0.0	101.1	9.2	169.6	0.0	0.0
88.50	9.2	68.3	0.0	101.2	9.2	169.5	0.0	0.0
89.00	9.2	68.1	0.0	101.2	9.2	169.3	0.0	0.0
89.50	9.2	67.9	0.0	101.2	9.2	169.1	0.0	0.0
90.00	9.2	67.7	0.0	101.2	9.2	168.9	0.0	0.0
90.50	9.2	67.5	0.0	101.3	9.2	168.8	0.0	0.0
91.00	9.1	67.3	0.0	101.3	9.1	168.6	0.0	0.0
91.50	9.1	67.1	0.0	101.3	9.1	168.4	0.0	0.0
92.00	9.1	66.9	0.0	101.3	9.1	168.2	0.0	0.0
92.50	9.1	66.7	0.0	101.3	9.1	168.1	0.0	0.0
93.00	9.1	66.5	0.0	101.4	9.1	167.9	0.0	0.0
93.50	9.1	66.3	0.0	101.4	9.1	167.7	0.0	0.0
94.00	9.1	66.1	0.0	101.4	9.1	167.5	0.0	0.0
94.50	9.1	65.9	0.0	101.4	9.1	167.4	0.0	0.0
95.00	9.0	65.7	0.0	101.4	9.0	167.2	0.0	0.0
95.50	9.0	65.5	0.0	101.5	9.0	167.0	0.0	0.0
96.00	9.0	65.3	0.0	101.5	9.0	166.8	0.0	0.0
96.50	9.0	65.1	0.0	101.5	9.0	166.6	0.0	0.0
97.00	9.0	64.9	0.0	101.5	9.0	166.5	0.0	0.0
97.50	9.0	64.7	0.0	101.5	9.0	166.3	0.0	0.0
98.00	9.0	64.5	0.0	101.6	9.0	166.1	0.0	0.0
98.50	9.0	64.3	0.0	101.6	9.0	165.9	0.0	0.0
99.00	8.9	64.1	0.0	101.6	8.9	165.7	0.0	0.0
99.50	8.9	63.9	0.0	101.6	8.9	165.6	0.0	0.0
100.00	8.9	63.7	0.0	101.7	8.9	165.4	0.0	0.0
100.50	8.9	63.5	0.0	101.7	8.9	165.2	0.0	0.0
101.00	8.9	63.3	0.0	101.7	8.9	165.0	0.0	0.0
101.50	8.9	63.1	0.0	101.7	8.9	164.9	0.0	0.0
102.00	8.9	62.9	0.0	101.7	8.9	164.7	0.0	0.0
102.50	8.9	62.7	0.0	101.7	8.9	164.5	0.0	0.0
103.00	8.8	62.5	0.0	101.8	8.8	164.3	0.0	0.0
103.50	8.8	62.3	0.0	101.8	8.8	164.1	0.0	0.0
104.00	8.8	62.1	0.0	101.8	8.8	163.9	0.0	0.0
104.50	8.8	61.9	0.0	101.8	8.8	163.8	0.0	0.0
105.00	8.8	61.7	0.0	101.8	8.8	163.6	0.0	0.0
105.50	8.8	61.5	0.0	101.9	8.8	163.4	0.0	0.0
106.00	8.7	61.3	0.0	101.9	8.7	163.2	0.0	0.0
106.50	8.7	61.1	0.0	101.9	8.7	163.0	0.0	0.0
107.00	8.7	60.9	0.0	101.9	8.7	162.9	0.0	0.0
107.50	8.7	60.7	0.0	101.9	8.7	162.7	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:16 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi		50 mph with 0.75 in Radial Ice					40 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													
108.00		8.7	60.5			0.0	102.0	8.7	162.5	0.0	0.0		
108.50		8.7	60.3			0.0	102.0	8.7	162.3	0.0	0.0		
109.00		8.7	60.1			0.0	102.0	8.7	162.1	0.0	0.0		
109.50		8.6	59.9			0.0	102.0	8.6	161.9	0.0	0.0		
110.00	Top - Section 3	8.6	59.7			0.0	102.0	8.6	161.7	0.0	0.0		
110.50		8.6	51.0			0.0	94.3	8.6	145.3	0.0	0.0		
111.00		8.6	50.8			0.0	94.4	8.6	145.2	0.0	0.0		
111.50		8.6	50.6			0.0	94.4	8.6	145.0	0.0	0.0		
112.00		8.6	50.5			0.0	94.4	8.6	144.8	0.0	0.0		
112.50		8.5	50.3			0.0	94.4	8.5	144.7	0.0	0.0		
113.00		8.5	50.1			0.0	94.4	8.5	144.5	0.0	0.0		
113.50		8.5	49.9			0.0	94.4	8.5	144.4	0.0	0.0		
114.00		8.5	49.8			0.0	94.5	8.5	144.2	0.0	0.0		
114.50		8.5	49.6			0.0	94.5	8.5	144.1	0.0	0.0		
115.00		8.5	49.4			0.0	94.5	8.5	143.9	0.0	0.0		
115.50		8.4	49.3			0.0	94.5	8.4	143.8	0.0	0.0		
116.00		8.4	49.1			0.0	94.5	8.4	143.6	0.0	0.0		
116.50	Reinf. Top	8.4	48.9			0.0	94.5	8.4	143.5	0.0	0.0		
117.00		8.4	48.7			0.0	63.9	8.4	112.7	0.0	0.0		
117.50		8.4	48.6			0.0	64.0	8.4	112.5	0.0	0.0		
118.00		8.4	48.4			0.0	64.0	8.4	112.4	0.0	0.0		
118.50		8.3	48.2			0.0	59.5	8.3	107.8	0.0	0.0		
119.00		8.3	48.1			0.0	59.6	8.3	107.6	0.0	0.0		
119.50		8.3	47.9			0.0	59.6	8.3	107.5	0.0	0.0		
120.00		8.3	47.7			0.0	59.6	8.3	107.3	0.0	0.0		
120.50		8.3	47.5			0.0	59.6	8.3	107.1	0.0	0.0		
121.00		8.3	47.4			0.0	59.6	8.3	107.0	0.0	0.0		
121.50		8.2	47.2			0.0	59.6	8.2	106.8	0.0	0.0		
122.00		8.2	47.0			0.0	59.6	8.2	106.7	0.0	0.0		
122.50		8.2	46.9			0.0	59.7	8.2	106.5	0.0	0.0		
123.00		8.2	46.7			0.0	59.7	8.2	106.4	0.0	0.0		
123.50		8.2	46.5			0.0	59.7	8.2	106.2	0.0	0.0		
124.00		8.1	46.3			0.0	59.7	8.1	106.0	0.0	0.0		
124.50		8.1	46.2			0.0	59.7	8.1	105.9	0.0	0.0		
125.00		8.1	46.0			0.0	59.7	8.1	105.7	0.0	0.0		
125.50		8.1	45.8			0.0	59.7	8.1	105.6	0.0	0.0		
126.00		8.1	45.6			0.0	59.8	8.1	105.4	0.0	0.0		
126.50		8.0	45.5			0.0	59.8	8.0	105.2	0.0	0.0		
127.00		8.0	45.3			0.0	59.8	8.0	105.1	0.0	0.0		
127.50		8.0	45.1			0.0	59.8	8.0	104.9	0.0	0.0		
128.00		8.0	44.9			0.0	59.8	8.0	104.8	0.0	0.0		
128.50		8.0	44.8			0.0	59.8	8.0	104.6	0.0	0.0		
129.00		8.0	44.6			0.0	59.8	8.0	104.4	0.0	0.0		
129.50		7.9	44.4			0.0	59.9	7.9	104.3	0.0	0.0		
130.00		7.9	44.2			0.0	59.9	7.9	104.1	0.0	0.0		
130.50		7.9	44.1			0.0	59.9	7.9	104.0	0.0	0.0		
131.00	Appurtenance(s)	7.9	43.9	819.7	0.0	0.0	7,568.9	0.0	59.9	827.5	7,672.7	0.0	0.0
131.50		7.9	43.7					0.0	31.2	7.9	74.9	0.0	0.0
132.00		7.8	43.5					0.0	31.2	7.8	74.7	0.0	0.0
132.50		7.8	43.4					0.0	31.2	7.8	74.5	0.0	0.0
133.00		7.8	43.2					0.0	31.2	7.8	74.4	0.0	0.0
133.50		7.8	43.0					0.0	31.2	7.8	74.2	0.0	0.0
134.00		7.8	42.8					0.0	31.2	7.8	74.0	0.0	0.0
134.50		7.7	42.7					0.0	31.2	7.7	73.9	0.0	0.0
135.00		7.7	42.5					0.0	31.2	7.7	73.7	0.0	0.0
135.50		7.7	42.3					0.0	31.2	7.7	73.5	0.0	0.0
136.00		7.7	42.1					0.0	31.2	7.7	73.3	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:16 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi	50 mph with 0.75 in Radial Ice				40 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								

136.50	7.6	42.0				0.0	31.2	7.6	73.2	0.0	0.0		
137.00	7.6	41.8				0.0	31.2	7.6	73.0	0.0	0.0		
137.50	7.6	41.6				0.0	31.2	7.6	72.8	0.0	0.0		
138.00	7.6	41.4				0.0	31.2	7.6	72.7	0.0	0.0		
138.50	7.6	41.3				0.0	31.2	7.6	72.5	0.0	0.0		
139.00	7.5	41.1				0.0	31.2	7.5	72.3	0.0	0.0		
139.50	7.5	40.9				0.0	31.2	7.5	72.1	0.0	0.0		
140.00	7.5	40.7				0.0	31.2	7.5	72.0	0.0	0.0		
140.50	7.5	40.6				0.0	31.2	7.5	71.8	0.0	0.0		
141.00	Appurtenance(s)	7.5	40.4	92.9	0.0	0.0	422.6	0.0	31.3	100.4	494.3	0.0	0.0
141.50		7.4	40.2					0.0	17.5	7.4	57.7	0.0	0.0
142.00		7.4	40.0					0.0	17.5	7.4	57.5	0.0	0.0
142.50		7.4	39.8					0.0	17.5	7.4	57.3	0.0	0.0
143.00		7.4	39.7					0.0	17.5	7.4	57.1	0.0	0.0
143.50		7.3	39.5					0.0	17.5	7.3	57.0	0.0	0.0
144.00		7.3	39.3					0.0	17.5	7.3	56.8	0.0	0.0
144.50		7.3	39.1					0.0	17.5	7.3	56.6	0.0	0.0
145.00		7.3	39.0					0.0	17.5	7.3	56.4	0.0	0.0
145.50		7.3	38.8					0.0	17.5	7.3	56.3	0.0	0.0
146.00		7.2	38.6					0.0	17.5	7.2	56.1	0.0	0.0
146.50		7.2	38.4					0.0	17.5	7.2	55.9	0.0	0.0
147.00		7.2	38.2					0.0	17.5	7.2	55.7	0.0	0.0
147.50		7.2	38.1					0.0	17.5	7.2	55.5	0.0	0.0
148.00		7.1	37.9					0.0	17.5	7.1	55.4	0.0	0.0
148.50		7.1	37.7					0.0	17.5	7.1	55.2	0.0	0.0
149.00		7.1	37.5					0.0	17.5	7.1	55.0	0.0	0.0
149.50		7.1	37.4					0.0	17.5	7.1	54.8	0.0	0.0
150.00	Appurtenance(s)	3.5	37.2	939.2	0.0	2,498.5	8,191.6	0.0	17.5	942.8	8,246.2	0.0	0.0
							Totals:		4,498.10	67,127.4	0.00	0.00	

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:16 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 in Radial Ice

40 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	-67.13	-4.49	0.00	-525.86	0.00	525.86	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.149
0.50	-66.96	-4.49	0.00	-523.61	0.00	523.61	3,152.93	1,576.47	4,795.55	2,368.34	0.00	-0.01	0.149
1.00	-66.78	-4.49	0.00	-521.36	0.00	521.36	3,148.69	1,574.34	4,778.83	2,360.09	0.00	-0.01	0.148
1.50	-66.61	-4.49	0.00	-519.12	0.00	519.12	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.02	0.148
2.00	-66.44	-4.48	0.00	-516.87	0.00	516.87	3,140.17	1,570.08	4,745.43	2,343.59	0.01	-0.02	0.148
2.50	-66.26	-4.48	0.00	-514.63	0.00	514.63	3,135.89	1,567.94	4,728.75	2,335.35	0.01	-0.03	0.148
3.00	-66.08	-4.48	0.00	-512.39	0.00	512.39	3,131.60	1,565.80	4,712.08	2,327.12	0.01	-0.04	0.147
3.50	-65.91	-4.48	0.00	-510.15	0.00	510.15	3,127.31	1,563.65	4,695.42	2,318.89	0.02	-0.04	0.147
4.00	-65.73	-4.47	0.00	-507.91	0.00	507.91	3,123.00	1,561.50	4,678.77	2,310.67	0.02	-0.05	0.147
4.50	-65.56	-4.47	0.00	-505.68	0.00	505.68	3,118.68	1,559.34	4,662.14	2,302.45	0.03	-0.05	0.146
5.00	-65.38	-4.47	0.00	-503.44	0.00	503.44	3,114.35	1,557.18	4,645.51	2,294.24	0.03	-0.06	0.146
5.50	-65.20	-4.46	0.00	-501.21	0.00	501.21	3,110.02	1,555.01	4,628.91	2,286.04	0.04	-0.06	0.146
6.00	-65.03	-4.46	0.00	-498.98	0.00	498.98	3,105.67	1,552.83	4,612.31	2,277.85	0.04	-0.07	0.146
6.50	-64.85	-4.46	0.00	-496.75	0.00	496.75	3,101.31	1,550.65	4,595.73	2,269.66	0.05	-0.08	0.145
7.00	-64.67	-4.46	0.00	-494.52	0.00	494.52	3,096.94	1,548.47	4,579.16	2,261.47	0.06	-0.08	0.145
7.50	-64.50	-4.45	0.00	-492.29	0.00	492.29	3,092.56	1,546.28	4,562.60	2,253.30	0.07	-0.09	0.145
8.00	-64.32	-4.45	0.00	-490.06	0.00	490.06	3,088.17	1,544.08	4,546.06	2,245.13	0.08	-0.09	0.145
8.50	-64.09	-4.45	0.00	-487.84	0.00	487.84	3,083.77	1,541.88	4,529.53	2,236.96	0.09	-0.10	0.144
9.00	-63.86	-4.44	0.00	-485.62	0.00	485.62	3,079.36	1,539.68	4,513.01	2,228.81	0.10	-0.11	0.144
9.50	-63.63	-4.44	0.00	-483.40	0.00	483.40	3,074.94	1,537.47	4,496.51	2,220.66	0.11	-0.11	0.144
10.00	-63.40	-4.44	0.00	-481.18	0.00	481.18	3,070.50	1,535.25	4,480.02	2,212.51	0.12	-0.12	0.143
10.50	-63.18	-4.43	0.00	-478.96	0.00	478.96	3,066.06	1,533.03	4,463.54	2,204.38	0.14	-0.12	0.143
11.00	-62.95	-4.43	0.00	-476.74	0.00	476.74	3,061.61	1,530.80	4,447.08	2,196.25	0.15	-0.13	0.143
11.50	-62.72	-4.43	0.00	-474.52	0.00	474.52	3,057.15	1,528.57	4,430.63	2,188.12	0.16	-0.14	0.143
12.00	-62.49	-4.42	0.00	-472.31	0.00	472.31	3,052.67	1,526.34	4,414.20	2,180.01	0.18	-0.14	0.142
12.50	-62.26	-4.42	0.00	-470.10	0.00	470.10	3,048.19	1,524.09	4,397.78	2,171.90	0.19	-0.15	0.142
13.00	-62.03	-4.42	0.00	-467.89	0.00	467.89	3,043.69	1,521.85	4,381.37	2,163.80	0.21	-0.15	0.142
13.50	-61.80	-4.41	0.00	-465.68	0.00	465.68	3,039.19	1,519.59	4,364.98	2,155.70	0.23	-0.16	0.141
14.00	-61.57	-4.41	0.00	-463.47	0.00	463.47	3,034.67	1,517.34	4,348.61	2,147.61	0.24	-0.17	0.141
14.50	-61.35	-4.41	0.00	-461.27	0.00	461.27	3,030.15	1,515.07	4,332.24	2,139.53	0.26	-0.17	0.141
15.00	-61.12	-4.40	0.00	-459.06	0.00	459.06	3,025.61	1,512.81	4,315.90	2,131.46	0.28	-0.18	0.140
15.50	-60.89	-4.40	0.00	-456.86	0.00	456.86	3,021.07	1,510.53	4,299.57	2,123.39	0.30	-0.18	0.140
16.00	-60.66	-4.40	0.00	-454.66	0.00	454.66	3,016.51	1,508.25	4,283.25	2,115.33	0.32	-0.19	0.140
16.50	-60.43	-4.39	0.00	-452.46	0.00	452.46	3,011.94	1,505.97	4,266.95	2,107.28	0.34	-0.20	0.140
17.00	-60.20	-4.39	0.00	-450.27	0.00	450.27	3,007.37	1,503.68	4,250.66	2,099.24	0.36	-0.20	0.139
17.50	-59.97	-4.39	0.00	-448.07	0.00	448.07	3,002.78	1,501.39	4,234.39	2,091.20	0.38	-0.21	0.139
18.00	-59.75	-4.38	0.00	-445.88	0.00	445.88	2,998.18	1,499.09	4,218.13	2,083.18	0.40	-0.21	0.139
18.50	-59.52	-4.38	0.00	-443.69	0.00	443.69	2,993.57	1,496.79	4,201.89	2,075.15	0.43	-0.22	0.138
19.00	-59.29	-4.38	0.00	-441.50	0.00	441.50	2,988.95	1,494.48	4,185.66	2,067.14	0.45	-0.23	0.138
19.50	-59.06	-4.37	0.00	-439.31	0.00	439.31	2,984.32	1,492.16	4,169.45	2,059.13	0.47	-0.23	0.138
20.00	-58.83	-4.37	0.00	-437.12	0.00	437.12	2,979.68	1,489.84	4,153.25	2,051.14	0.50	-0.24	0.137
20.50	-58.61	-4.37	0.00	-434.94	0.00	434.94	2,975.03	1,487.52	4,137.08	2,043.15	0.52	-0.25	0.137
21.00	-58.38	-4.36	0.00	-432.76	0.00	432.76	2,970.37	1,485.19	4,120.91	2,035.16	0.55	-0.25	0.137
21.50	-58.15	-4.36	0.00	-430.57	0.00	430.57	2,965.70	1,482.85	4,104.77	2,027.19	0.58	-0.26	0.136
22.00	-57.92	-4.35	0.00	-428.40	0.00	428.40	2,961.02	1,480.51	4,088.63	2,019.22	0.60	-0.26	0.136
22.50	-57.69	-4.35	0.00	-426.22	0.00	426.22	2,956.33	1,478.16	4,072.52	2,011.26	0.63	-0.27	0.136
23.00	-57.47	-4.35	0.00	-424.04	0.00	424.04	2,951.62	1,475.81	4,056.42	2,003.31	0.66	-0.28	0.136
23.50	-57.24	-4.34	0.00	-421.87	0.00	421.87	2,946.91	1,473.46	4,040.34	1,995.37	0.69	-0.28	0.135
24.00	-57.01	-4.34	0.00	-419.70	0.00	419.70	2,942.19	1,471.09	4,024.27	1,987.44	0.72	-0.29	0.135
24.50	-56.79	-4.33	0.00	-417.53	0.00	417.53	2,937.46	1,468.73	4,008.22	1,979.51	0.75	-0.29	0.135
25.00	-56.56	-4.33	0.00	-415.36	0.00	415.36	2,932.71	1,466.36	3,992.19	1,971.59	0.78	-0.30	0.134

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:16 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi				50 mph with 0.75 in Radial Ice				40 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											

25.50	-56.33	-4.33	0.00	-413.20	0.00	413.20	2,927.96	1,463.98	3,976.18	1,963.68	0.81	-0.31	0.134
26.00	-56.11	-4.32	0.00	-411.03	0.00	411.03	2,923.19	1,461.60	3,960.18	1,955.78	0.85	-0.31	0.134
26.50	-55.88	-4.32	0.00	-408.87	0.00	408.87	2,918.42	1,459.21	3,944.20	1,947.89	0.88	-0.32	0.133
27.00	-55.65	-4.32	0.00	-406.71	0.00	406.71	2,913.63	1,456.82	3,928.23	1,940.01	0.91	-0.32	0.133
27.50	-55.43	-4.31	0.00	-404.56	0.00	404.56	2,910.08	1,455.04	3,913.96	1,932.96	0.95	-0.33	0.133
28.00	-55.20	-4.31	0.00	-402.40	0.00	402.40	2,903.11	1,451.55	3,895.11	1,923.65	0.98	-0.34	0.132
28.50	-54.98	-4.30	0.00	-400.25	0.00	400.25	2,896.13	1,448.07	3,876.32	1,914.37	1.02	-0.34	0.132
29.00	-54.75	-4.30	0.00	-398.10	0.00	398.10	2,889.16	1,444.58	3,857.57	1,905.11	1.05	-0.35	0.132
29.50	-54.52	-4.29	0.00	-395.95	0.00	395.95	2,882.19	1,441.09	3,838.86	1,895.87	1.09	-0.36	0.132
30.00	-54.30	-4.29	0.00	-393.80	0.00	393.80	2,875.21	1,437.61	3,820.20	1,886.65	1.13	-0.36	0.131
30.50	-54.07	-4.29	0.00	-391.65	0.00	391.65	2,868.24	1,434.12	3,801.59	1,877.46	1.17	-0.37	0.131
31.00	-53.85	-4.28	0.00	-389.51	0.00	389.51	2,861.26	1,430.63	3,783.02	1,868.29	1.21	-0.37	0.131
31.50	-53.62	-4.28	0.00	-387.37	0.00	387.37	2,854.29	1,427.15	3,764.50	1,859.14	1.24	-0.38	0.131
32.00	-53.33	-4.27	0.00	-385.23	0.00	385.23	2,847.32	1,423.66	3,746.02	1,850.02	1.29	-0.39	0.129
32.50	-53.04	-4.27	0.00	-383.09	0.00	383.09	2,840.34	1,420.17	3,727.58	1,840.91	1.33	-0.39	0.128
33.00	-52.75	-4.26	0.00	-380.96	0.00	380.96	2,833.37	1,416.69	3,709.20	1,831.83	1.37	-0.40	0.128
33.50	-52.46	-4.26	0.00	-378.83	0.00	378.83	2,826.40	1,413.20	3,690.85	1,822.77	1.41	-0.40	0.128
34.00	-52.16	-4.25	0.00	-376.70	0.00	376.70	2,819.42	1,409.71	3,672.56	1,813.74	1.45	-0.41	0.128
34.50	-51.87	-4.25	0.00	-374.58	0.00	374.58	2,812.45	1,406.22	3,654.31	1,804.72	1.50	-0.42	0.127
35.00	-51.58	-4.24	0.00	-372.45	0.00	372.45	2,805.48	1,402.74	3,636.10	1,795.73	1.54	-0.42	0.127
35.50	-51.29	-4.24	0.00	-370.33	0.00	370.33	2,798.50	1,399.25	3,617.94	1,786.76	1.58	-0.43	0.127
35.67	-51.20	-4.23	0.00	-369.63	0.00	369.63	2,248.07	1,124.03	2,973.91	1,468.70	1.60	-0.43	0.146
36.00	-51.05	-4.23	0.00	-368.22	0.00	368.22	2,245.83	1,122.91	2,966.06	1,464.83	1.63	-0.44	0.146
36.50	-50.84	-4.23	0.00	-366.10	0.00	366.10	2,242.46	1,121.23	2,954.30	1,459.02	1.68	-0.44	0.145
36.67	-50.77	-4.22	0.00	-365.38	0.00	365.38	2,241.31	1,120.65	2,950.31	1,457.05	1.69	-0.44	0.145
36.67	-50.77	-4.22	0.00	-365.38	0.00	365.38	2,241.31	1,120.65	2,950.31	1,457.05	1.69	-0.44	0.156
37.00	-50.64	-4.22	0.00	-363.99	0.00	363.99	2,239.08	1,119.54	2,942.55	1,453.22	1.72	-0.45	0.155
37.50	-50.43	-4.22	0.00	-361.88	0.00	361.88	2,235.69	1,117.84	2,930.81	1,447.42	1.77	-0.46	0.155
38.00	-50.23	-4.21	0.00	-359.77	0.00	359.77	2,232.29	1,116.14	2,919.08	1,441.62	1.82	-0.46	0.154
38.50	-50.02	-4.21	0.00	-357.67	0.00	357.67	2,228.88	1,114.44	2,907.36	1,435.83	1.87	-0.47	0.154
39.00	-49.82	-4.20	0.00	-355.56	0.00	355.56	2,225.46	1,112.73	2,895.64	1,430.05	1.92	-0.48	0.153
39.50	-49.61	-4.20	0.00	-353.46	0.00	353.46	2,222.03	1,111.01	2,883.93	1,424.27	1.97	-0.48	0.153
40.00	-49.41	-4.19	0.00	-351.37	0.00	351.37	2,218.59	1,109.29	2,872.23	1,418.49	2.02	-0.49	0.152
40.50	-49.21	-4.19	0.00	-349.27	0.00	349.27	2,215.14	1,107.57	2,860.55	1,412.72	2.07	-0.50	0.152
41.00	-49.00	-4.18	0.00	-347.18	0.00	347.18	2,211.67	1,105.84	2,848.87	1,406.95	2.12	-0.50	0.151
41.50	-48.80	-4.18	0.00	-345.09	0.00	345.09	2,208.20	1,104.10	2,837.20	1,401.18	2.18	-0.51	0.151
42.00	-48.60	-4.17	0.00	-343.00	0.00	343.00	2,204.72	1,102.36	2,825.53	1,395.43	2.23	-0.52	0.151
42.50	-48.39	-4.17	0.00	-340.91	0.00	340.91	2,201.23	1,100.61	2,813.88	1,389.67	2.28	-0.53	0.150
43.00	-48.19	-4.16	0.00	-338.83	0.00	338.83	2,197.72	1,098.86	2,802.24	1,383.92	2.34	-0.53	0.150
43.50	-47.99	-4.16	0.00	-336.75	0.00	336.75	2,194.21	1,097.10	2,790.61	1,378.18	2.40	-0.54	0.149
44.00	-47.79	-4.15	0.00	-334.67	0.00	334.67	2,190.68	1,095.34	2,778.98	1,372.44	2.45	-0.55	0.149
44.50	-47.58	-4.15	0.00	-332.59	0.00	332.59	2,187.15	1,093.57	2,767.37	1,366.70	2.51	-0.55	0.148
45.00	-47.38	-4.14	0.00	-330.52	0.00	330.52	2,183.60	1,091.80	2,755.77	1,360.97	2.57	-0.56	0.148
45.50	-47.18	-4.14	0.00	-328.45	0.00	328.45	2,180.05	1,090.02	2,744.17	1,355.24	2.63	-0.57	0.147
46.00	-46.98	-4.13	0.00	-326.38	0.00	326.38	2,176.48	1,088.24	2,732.59	1,349.52	2.69	-0.58	0.147
46.50	-46.78	-4.12	0.00	-324.32	0.00	324.32	2,172.91	1,086.45	2,721.02	1,343.81	2.75	-0.58	0.146
47.00	-46.58	-4.12	0.00	-322.26	0.00	322.26	2,169.32	1,084.66	2,709.45	1,338.10	2.81	-0.59	0.146
47.50	-46.37	-4.11	0.00	-320.20	0.00	320.20	2,165.72	1,082.86	2,697.90	1,332.39	2.87	-0.60	0.145
48.00	-46.17	-4.11	0.00	-318.14	0.00	318.14	2,162.11	1,081.06	2,686.36	1,326.69	2.94	-0.60	0.145
48.50	-45.97	-4.10	0.00	-316.09	0.00	316.09	2,158.50	1,079.25	2,674.83	1,321.00	3.00	-0.61	0.144
49.00	-45.77	-4.10	0.00	-314.04	0.00	314.04	2,154.87	1,077.43	2,663.31	1,315.31	3.06	-0.62	0.144
49.50	-45.57	-4.09	0.00	-311.99	0.00	311.99	2,151.23	1,075.61	2,651.80	1,309.62	3.13	-0.62	0.143
50.00	-45.37	-4.08	0.00	-309.94	0.00	309.94	2,147.58	1,073.79	2,640.30	1,303.95	3.19	-0.63	0.143
50.50	-45.17	-4.08	0.00	-307.90	0.00	307.90	2,143.92	1,071.96	2,628.81	1,298.27	3.26	-0.64	0.142
51.00	-44.97	-4.07	0.00	-305.86	0.00	305.86	2,140.25	1,070.13	2,617.34	1,292.60	3.33	-0.65	0.141
51.50	-44.77	-4.07	0.00	-303.83	0.00	303.83	2,136.57	1,068.29	2,605.87	1,286.94	3.40	-0.65	0.141
52.00	-44.57	-4.06	0.00	-301.79	0.00	301.79	2,132.88	1,066.44	2,594.42	1,281.29	3.47	-0.66	0.140

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:16 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 in Radial Ice

40 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

52.50	-44.37	-4.05	0.00	-299.76	0.00	299.76	2,129.18	1,064.59	2,582.98	1,275.64	3.53	-0.67	0.140
53.00	-44.17	-4.05	0.00	-297.74	0.00	297.74	2,125.47	1,062.73	2,571.55	1,269.99	3.60	-0.67	0.139
53.50	-43.97	-4.04	0.00	-295.71	0.00	295.71	2,121.75	1,060.87	2,560.13	1,264.35	3.68	-0.68	0.139
54.00	-43.77	-4.03	0.00	-293.69	0.00	293.69	2,118.01	1,059.01	2,548.72	1,258.72	3.75	-0.69	0.138
54.50	-43.57	-4.03	0.00	-291.68	0.00	291.68	2,114.27	1,057.14	2,537.32	1,253.09	3.82	-0.70	0.138
55.00	-43.38	-4.02	0.00	-289.66	0.00	289.66	2,110.52	1,055.26	2,525.94	1,247.47	3.89	-0.70	0.137
55.50	-43.18	-4.02	0.00	-287.65	0.00	287.65	2,106.75	1,053.38	2,514.57	1,241.85	3.97	-0.71	0.137
56.00	-42.98	-4.01	0.00	-285.64	0.00	285.64	2,102.98	1,051.49	2,503.21	1,236.24	4.04	-0.72	0.136
56.50	-42.78	-4.00	0.00	-283.64	0.00	283.64	2,099.20	1,049.60	2,491.86	1,230.64	4.12	-0.72	0.136
57.00	-42.58	-4.00	0.00	-281.64	0.00	281.64	2,095.40	1,047.70	2,480.53	1,225.04	4.19	-0.73	0.135
57.50	-42.38	-3.99	0.00	-279.64	0.00	279.64	2,091.60	1,045.80	2,469.21	1,219.45	4.27	-0.74	0.135
58.00	-42.19	-3.98	0.00	-277.65	0.00	277.65	2,087.78	1,043.89	2,457.90	1,213.86	4.35	-0.74	0.134
58.50	-41.99	-3.98	0.00	-275.65	0.00	275.65	2,083.96	1,041.98	2,446.60	1,208.28	4.43	-0.75	0.134
59.00	-41.79	-3.97	0.00	-273.67	0.00	273.67	2,080.12	1,040.06	2,435.32	1,202.71	4.51	-0.76	0.133
59.50	-41.60	-3.96	0.00	-271.68	0.00	271.68	2,076.27	1,038.14	2,424.04	1,197.14	4.59	-0.77	0.132
60.00	-41.40	-3.95	0.00	-269.70	0.00	269.70	2,072.41	1,036.21	2,412.79	1,191.58	4.67	-0.77	0.132
60.50	-41.20	-3.95	0.00	-267.72	0.00	267.72	2,068.55	1,034.27	2,401.54	1,186.03	4.75	-0.78	0.131
61.00	-41.01	-3.94	0.00	-265.75	0.00	265.75	2,064.67	1,032.33	2,390.31	1,180.48	4.83	-0.79	0.131
61.50	-40.81	-3.93	0.00	-263.78	0.00	263.78	2,060.78	1,030.39	2,379.09	1,174.94	4.91	-0.79	0.130
62.00	-40.61	-3.93	0.00	-261.81	0.00	261.81	2,056.88	1,028.44	2,367.88	1,169.41	5.00	-0.80	0.130
62.50	-40.42	-3.92	0.00	-259.85	0.00	259.85	2,052.97	1,026.49	2,356.69	1,163.88	5.08	-0.81	0.129
63.00	-40.22	-3.91	0.00	-257.89	0.00	257.89	2,049.05	1,024.53	2,345.51	1,158.36	5.16	-0.81	0.129
63.50	-40.03	-3.90	0.00	-255.93	0.00	255.93	2,045.12	1,022.56	2,334.35	1,152.85	5.25	-0.82	0.128
64.00	-39.83	-3.90	0.00	-253.98	0.00	253.98	2,041.18	1,020.59	2,323.20	1,147.34	5.34	-0.83	0.128
64.50	-39.64	-3.89	0.00	-252.03	0.00	252.03	2,037.23	1,018.62	2,312.06	1,141.84	5.42	-0.84	0.127
65.00	-39.44	-3.88	0.00	-250.09	0.00	250.09	2,033.27	1,016.64	2,300.94	1,136.35	5.51	-0.84	0.126
65.50	-39.25	-3.88	0.00	-248.15	0.00	248.15	2,029.30	1,014.65	2,289.83	1,130.86	5.60	-0.85	0.126
66.00	-39.05	-3.87	0.00	-246.21	0.00	246.21	2,025.32	1,012.66	2,278.74	1,125.38	5.69	-0.86	0.125
66.50	-38.86	-3.86	0.00	-244.28	0.00	244.28	2,021.33	1,010.66	2,267.65	1,119.91	5.78	-0.86	0.125
67.00	-38.66	-3.85	0.00	-242.35	0.00	242.35	2,016.97	1,008.48	2,256.19	1,114.25	5.87	-0.87	0.124
67.50	-38.47	-3.85	0.00	-240.42	0.00	240.42	2,011.16	1,005.58	2,243.13	1,107.80	5.96	-0.88	0.124
68.00	-38.27	-3.84	0.00	-238.50	0.00	238.50	2,005.34	1,002.67	2,230.12	1,101.37	6.05	-0.88	0.123
68.50	-38.08	-3.83	0.00	-236.58	0.00	236.58	1,999.53	999.77	2,217.14	1,094.96	6.15	-0.89	0.123
69.00	-37.89	-3.82	0.00	-234.66	0.00	234.66	1,993.72	996.86	2,204.19	1,088.57	6.24	-0.90	0.122
69.50	-37.69	-3.81	0.00	-232.75	0.00	232.75	1,987.91	993.96	2,191.29	1,082.20	6.34	-0.90	0.122
70.00	-37.50	-3.81	0.00	-230.85	0.00	230.85	1,982.10	991.05	2,178.42	1,075.84	6.43	-0.91	0.121
70.50	-37.26	-3.80	0.00	-228.94	0.00	228.94	1,976.29	988.14	2,165.59	1,069.51	6.53	-0.92	0.119
71.00	-37.02	-3.79	0.00	-227.04	0.00	227.04	1,970.48	985.24	2,152.80	1,063.19	6.62	-0.93	0.119
71.50	-36.79	-3.78	0.00	-225.15	0.00	225.15	1,964.67	982.33	2,140.05	1,056.89	6.72	-0.93	0.118
72.00	-36.55	-3.77	0.00	-223.26	0.00	223.26	1,958.85	979.43	2,127.34	1,050.61	6.82	-0.94	0.118
72.50	-36.31	-3.76	0.00	-221.37	0.00	221.37	1,953.04	976.52	2,114.66	1,044.35	6.92	-0.95	0.117
73.00	-36.08	-3.75	0.00	-219.49	0.00	219.49	1,947.23	973.62	2,102.02	1,038.11	7.02	-0.95	0.117
73.33	-35.92	-3.75	0.00	-218.26	0.00	218.26	1,943.40	971.70	2,093.70	1,034.00	7.08	-0.96	0.116
73.33	-35.92	-3.75	0.00	-218.26	0.00	218.26	1,943.40	971.70	2,093.70	1,034.00	7.08	-0.96	0.127
73.50	-35.84	-3.74	0.00	-217.62	0.00	217.62	1,473.96	736.98	1,624.57	802.32	7.12	-0.96	0.151
74.00	-35.67	-3.74	0.00	-215.75	0.00	215.75	1,471.41	735.71	1,616.97	798.56	7.22	-0.97	0.150
74.50	-35.49	-3.73	0.00	-213.88	0.00	213.88	1,468.85	734.43	1,609.36	794.80	7.32	-0.97	0.150
75.00	-35.32	-3.72	0.00	-212.01	0.00	212.01	1,466.28	733.14	1,601.77	791.05	7.42	-0.98	0.149
75.50	-35.15	-3.71	0.00	-210.15	0.00	210.15	1,463.70	731.85	1,594.18	787.30	7.53	-0.99	0.148
76.00	-34.97	-3.71	0.00	-208.30	0.00	208.30	1,461.11	730.55	1,586.59	783.56	7.63	-1.00	0.147
76.50	-34.80	-3.70	0.00	-206.44	0.00	206.44	1,458.51	729.25	1,579.01	779.81	7.74	-1.01	0.146
77.00	-34.62	-3.69	0.00	-204.60	0.00	204.60	1,455.89	727.95	1,571.44	776.07	7.84	-1.01	0.145
77.50	-34.45	-3.68	0.00	-202.75	0.00	202.75	1,453.27	726.64	1,563.87	772.34	7.95	-1.02	0.145
78.00	-34.28	-3.68	0.00	-200.91	0.00	200.91	1,450.64	725.32	1,556.31	768.60	8.06	-1.03	0.144
78.50	-34.10	-3.67	0.00	-199.07	0.00	199.07	1,447.99	724.00	1,548.75	764.87	8.16	-1.04	0.143
79.00	-33.93	-3.66	0.00	-197.24	0.00	197.24	1,445.34	722.67	1,541.20	761.14	8.27	-1.05	0.142
79.50	-33.76	-3.65	0.00	-195.41	0.00	195.41	1,442.68	721.34	1,533.65	757.41	8.38	-1.05	0.141

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:16 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi				50 mph with 0.75 in Radial Ice				40 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													
80.00	-33.59	-3.64	0.00	-193.58	0.00	193.58	1,440.00	720.00	1,526.12	753.69	8.49	-1.06	0.140
80.50	-33.41	-3.64	0.00	-191.76	0.00	191.76	1,437.32	718.66	1,518.59	749.97	8.61	-1.07	0.139
81.00	-33.24	-3.63	0.00	-189.94	0.00	189.94	1,434.62	717.31	1,511.06	746.26	8.72	-1.08	0.139
81.50	-33.07	-3.62	0.00	-188.13	0.00	188.13	1,431.91	715.96	1,503.54	742.54	8.83	-1.09	0.138
82.00	-32.90	-3.61	0.00	-186.32	0.00	186.32	1,429.20	714.60	1,496.03	738.83	8.95	-1.09	0.137
82.50	-32.72	-3.60	0.00	-184.51	0.00	184.51	1,426.47	713.23	1,488.53	735.13	9.06	-1.10	0.136
83.00	-32.55	-3.60	0.00	-182.71	0.00	182.71	1,423.73	711.87	1,481.03	731.43	9.18	-1.11	0.135
83.50	-32.38	-3.59	0.00	-180.91	0.00	180.91	1,420.98	710.49	1,473.54	727.73	9.29	-1.12	0.134
84.00	-32.21	-3.58	0.00	-179.12	0.00	179.12	1,418.23	709.11	1,466.06	724.03	9.41	-1.12	0.133
84.50	-32.04	-3.57	0.00	-177.33	0.00	177.33	1,415.46	707.73	1,458.58	720.34	9.53	-1.13	0.133
85.00	-31.87	-3.56	0.00	-175.55	0.00	175.55	1,412.68	706.34	1,451.11	716.65	9.65	-1.14	0.132
85.50	-31.70	-3.55	0.00	-173.77	0.00	173.77	1,409.89	704.94	1,443.65	712.97	9.77	-1.15	0.131
86.00	-31.53	-3.55	0.00	-171.99	0.00	171.99	1,407.09	703.54	1,436.20	709.28	9.89	-1.15	0.130
86.50	-31.36	-3.54	0.00	-170.22	0.00	170.22	1,404.28	702.14	1,428.75	705.61	10.01	-1.16	0.129
87.00	-31.19	-3.53	0.00	-168.45	0.00	168.45	1,401.46	700.73	1,421.32	701.93	10.13	-1.17	0.128
87.50	-31.02	-3.52	0.00	-166.68	0.00	166.68	1,398.63	699.31	1,413.89	698.26	10.25	-1.18	0.127
88.00	-30.85	-3.51	0.00	-164.92	0.00	164.92	1,395.79	697.89	1,406.46	694.60	10.38	-1.18	0.126
88.50	-30.68	-3.50	0.00	-163.17	0.00	163.17	1,392.93	696.47	1,399.05	690.94	10.50	-1.19	0.125
89.00	-30.51	-3.49	0.00	-161.42	0.00	161.42	1,390.07	695.04	1,391.64	687.28	10.63	-1.20	0.125
89.50	-30.34	-3.48	0.00	-159.67	0.00	159.67	1,387.20	693.60	1,384.25	683.63	10.75	-1.21	0.124
90.00	-30.17	-3.48	0.00	-157.93	0.00	157.93	1,384.32	692.16	1,376.86	679.98	10.88	-1.21	0.123
90.50	-30.00	-3.47	0.00	-156.19	0.00	156.19	1,381.42	690.71	1,369.48	676.33	11.01	-1.22	0.122
91.00	-29.83	-3.46	0.00	-154.46	0.00	154.46	1,378.52	689.26	1,362.10	672.69	11.14	-1.23	0.121
91.50	-29.66	-3.45	0.00	-152.73	0.00	152.73	1,375.61	687.80	1,354.74	669.06	11.27	-1.24	0.120
92.00	-29.49	-3.44	0.00	-151.01	0.00	151.01	1,372.68	686.34	1,347.39	665.42	11.40	-1.24	0.119
92.50	-29.33	-3.43	0.00	-149.29	0.00	149.29	1,369.75	684.87	1,340.04	661.80	11.53	-1.25	0.118
93.00	-29.16	-3.42	0.00	-147.57	0.00	147.57	1,366.80	683.40	1,332.70	658.17	11.66	-1.26	0.117
93.50	-28.99	-3.41	0.00	-145.86	0.00	145.86	1,363.85	681.92	1,325.38	654.55	11.79	-1.27	0.116
94.00	-28.82	-3.40	0.00	-144.15	0.00	144.15	1,360.88	680.44	1,318.06	650.94	11.92	-1.27	0.115
94.50	-28.65	-3.39	0.00	-142.45	0.00	142.45	1,357.90	678.95	1,310.75	647.33	12.06	-1.28	0.115
95.00	-28.49	-3.39	0.00	-140.75	0.00	140.75	1,354.92	677.46	1,303.45	643.72	12.19	-1.29	0.114
95.50	-28.32	-3.38	0.00	-139.06	0.00	139.06	1,351.92	675.96	1,296.16	640.12	12.33	-1.29	0.113
96.00	-28.15	-3.37	0.00	-137.37	0.00	137.37	1,348.91	674.46	1,288.88	636.53	12.46	-1.30	0.112
96.50	-27.99	-3.36	0.00	-135.69	0.00	135.69	1,345.89	672.95	1,281.61	632.94	12.60	-1.31	0.111
97.00	-27.82	-3.35	0.00	-134.01	0.00	134.01	1,342.86	671.43	1,274.35	629.35	12.74	-1.32	0.110
97.50	-27.65	-3.34	0.00	-132.34	0.00	132.34	1,339.82	669.91	1,267.09	625.77	12.87	-1.32	0.109
98.00	-27.49	-3.33	0.00	-130.67	0.00	130.67	1,336.78	668.39	1,259.85	622.19	13.01	-1.33	0.108
98.50	-27.32	-3.32	0.00	-129.00	0.00	129.00	1,333.72	666.86	1,252.62	618.62	13.15	-1.34	0.107
99.00	-27.15	-3.31	0.00	-127.34	0.00	127.34	1,330.65	665.32	1,245.40	615.06	13.29	-1.34	0.106
99.50	-26.99	-3.30	0.00	-125.69	0.00	125.69	1,327.57	663.78	1,238.19	611.50	13.44	-1.35	0.105
100.00	-26.82	-3.29	0.00	-124.04	0.00	124.04	1,324.47	662.24	1,230.99	607.94	13.58	-1.36	0.104
100.50	-26.66	-3.28	0.00	-122.39	0.00	122.39	1,321.37	660.69	1,223.80	604.39	13.72	-1.36	0.103
101.00	-26.49	-3.27	0.00	-120.75	0.00	120.75	1,318.26	659.13	1,216.62	600.84	13.86	-1.37	0.102
101.50	-26.33	-3.26	0.00	-119.12	0.00	119.12	1,315.14	657.57	1,209.45	597.30	14.01	-1.38	0.101
102.00	-26.16	-3.25	0.00	-117.49	0.00	117.49	1,312.01	656.00	1,202.30	593.77	14.15	-1.38	0.100
102.50	-26.00	-3.24	0.00	-115.86	0.00	115.86	1,308.86	654.43	1,195.15	590.24	14.30	-1.39	0.099
103.00	-25.83	-3.23	0.00	-114.24	0.00	114.24	1,305.71	652.86	1,188.02	586.72	14.44	-1.40	0.098
103.50	-25.67	-3.22	0.00	-112.62	0.00	112.62	1,302.55	651.27	1,180.89	583.20	14.59	-1.40	0.097
104.00	-25.51	-3.21	0.00	-111.01	0.00	111.01	1,299.37	649.69	1,173.78	579.69	14.74	-1.41	0.096
104.50	-25.34	-3.20	0.00	-109.41	0.00	109.41	1,296.19	648.09	1,166.68	576.18	14.89	-1.42	0.095
105.00	-25.18	-3.19	0.00	-107.80	0.00	107.80	1,292.99	646.50	1,159.59	572.68	15.03	-1.42	0.094
105.50	-25.02	-3.18	0.00	-106.21	0.00	106.21	1,288.98	644.99	1,151.78	568.82	15.18	-1.43	0.094
106.00	-24.85	-3.17	0.00	-104.62	0.00	104.62	1,284.33	642.16	1,143.44	564.70	15.33	-1.44	0.093
106.50	-24.69	-3.16	0.00	-103.03	0.00	103.03	1,279.68	639.84	1,135.13	560.60	15.49	-1.44	0.092
107.00	-24.53	-3.15	0.00	-101.45	0.00	101.45	1,275.03	637.51	1,126.85	556.51	15.64	-1.45	0.091
107.50	-24.36	-3.14	0.00	-99.87	0.00	99.87	1,270.38	635.19	1,118.60	552.44	15.79	-1.46	0.090
108.00	-24.20	-3.13	0.00	-98.30	0.00	98.30	1,265.73	632.87	1,110.38	548.38	15.94	-1.46	0.089

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:16 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi	50 mph with 0.75 in Radial Ice	40 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		

108.50	-24.04	-3.12	0.00	-96.74	0.00	96.74	1,261.08	630.54	1,102.19	544.33	16.10	-1.47	0.088
109.00	-23.88	-3.11	0.00	-95.18	0.00	95.18	1,256.43	628.22	1,094.04	540.30	16.25	-1.47	0.087
109.50	-23.71	-3.10	0.00	-93.62	0.00	93.62	1,251.78	625.89	1,085.91	536.29	16.40	-1.48	0.086
110.00	-23.55	-3.09	0.00	-92.07	0.00	92.07	1,247.14	623.57	1,077.81	532.29	16.56	-1.49	0.085
110.00	-23.55	-3.09	0.00	-92.07	0.00	92.07	853.24	426.62	741.79	366.34	16.56	-1.49	0.000
110.50	-23.41	-3.08	0.00	-90.52	0.00	90.52	851.46	425.73	737.46	364.21	16.72	-1.49	0.119
111.00	-23.26	-3.07	0.00	-88.98	0.00	88.98	849.67	424.84	733.15	362.07	16.87	-1.50	0.117
111.50	-23.12	-3.06	0.00	-87.45	0.00	87.45	847.87	423.94	728.83	359.94	17.03	-1.51	0.116
112.00	-22.97	-3.05	0.00	-85.91	0.00	85.91	846.07	423.03	724.52	357.81	17.19	-1.52	0.114
112.50	-22.83	-3.04	0.00	-84.39	0.00	84.39	844.25	422.12	720.21	355.68	17.35	-1.52	0.113
113.00	-22.68	-3.03	0.00	-82.87	0.00	82.87	842.42	421.21	715.90	353.56	17.51	-1.53	0.111
113.50	-22.54	-3.03	0.00	-81.35	0.00	81.35	840.58	420.29	711.60	351.43	17.67	-1.54	0.110
114.00	-22.39	-3.02	0.00	-79.84	0.00	79.84	838.73	419.36	707.30	349.31	17.83	-1.55	0.108
114.50	-22.25	-3.01	0.00	-78.33	0.00	78.33	836.87	418.43	703.00	347.19	17.99	-1.55	0.107
115.00	-22.10	-3.00	0.00	-76.83	0.00	76.83	834.99	417.50	698.71	345.06	18.16	-1.56	0.105
115.50	-21.96	-2.99	0.00	-75.33	0.00	75.33	833.11	416.56	694.42	342.95	18.32	-1.57	0.103
116.00	-21.82	-2.98	0.00	-73.83	0.00	73.83	831.22	415.61	690.13	340.83	18.48	-1.57	0.102
116.50	-21.67	-2.97	0.00	-72.35	0.00	72.35	829.32	414.66	685.85	338.71	18.65	-1.58	0.100
116.50	-21.67	-2.97	0.00	-72.35	0.00	72.35	829.32	414.66	685.85	338.71	18.65	-1.58	0.240
117.00	-21.56	-2.96	0.00	-70.86	0.00	70.86	827.41	413.70	681.57	336.60	18.82	-1.59	0.237
117.50	-21.45	-2.95	0.00	-69.38	0.00	69.38	825.48	412.74	677.29	334.49	18.98	-1.60	0.233
118.00	-21.33	-2.95	0.00	-67.90	0.00	67.90	823.55	411.77	673.02	332.38	19.15	-1.62	0.230
118.50	-21.23	-2.94	0.00	-66.43	0.00	66.43	821.61	410.80	668.75	330.27	19.32	-1.64	0.227
119.00	-21.12	-2.94	0.00	-64.96	0.00	64.96	819.65	409.83	664.49	328.17	19.49	-1.65	0.224
119.50	-21.01	-2.93	0.00	-63.49	0.00	63.49	817.69	408.84	660.23	326.06	19.67	-1.67	0.220
120.00	-20.90	-2.93	0.00	-62.02	0.00	62.02	815.71	407.86	655.98	323.96	19.84	-1.68	0.217
120.50	-20.79	-2.92	0.00	-60.56	0.00	60.56	813.73	406.86	651.73	321.87	20.02	-1.70	0.214
121.00	-20.69	-2.91	0.00	-59.10	0.00	59.10	811.73	405.86	647.49	319.77	20.20	-1.71	0.210
121.50	-20.58	-2.91	0.00	-57.64	0.00	57.64	809.72	404.86	643.25	317.68	20.38	-1.73	0.207
122.00	-20.47	-2.90	0.00	-56.19	0.00	56.19	807.71	403.85	639.01	315.58	20.56	-1.74	0.203
122.50	-20.37	-2.90	0.00	-54.74	0.00	54.74	805.68	402.84	634.78	313.49	20.74	-1.76	0.200
123.00	-20.26	-2.89	0.00	-53.29	0.00	53.29	803.64	401.82	630.56	311.41	20.93	-1.77	0.196
123.50	-20.15	-2.88	0.00	-51.85	0.00	51.85	801.59	400.80	626.34	309.32	21.11	-1.78	0.193
124.00	-20.05	-2.88	0.00	-50.40	0.00	50.40	799.54	399.77	622.12	307.24	21.30	-1.80	0.189
124.50	-19.94	-2.87	0.00	-48.97	0.00	48.97	797.47	398.73	617.91	305.16	21.49	-1.81	0.186
125.00	-19.83	-2.86	0.00	-47.53	0.00	47.53	795.39	397.69	613.71	303.09	21.68	-1.83	0.182
125.50	-19.73	-2.86	0.00	-46.10	0.00	46.10	793.30	396.65	609.51	301.01	21.87	-1.84	0.178
126.00	-19.62	-2.85	0.00	-44.67	0.00	44.67	791.20	395.60	605.32	298.94	22.07	-1.85	0.174
126.50	-19.52	-2.84	0.00	-43.25	0.00	43.25	789.09	394.54	601.13	296.88	22.26	-1.86	0.170
127.00	-19.41	-2.83	0.00	-41.83	0.00	41.83	786.97	393.48	596.95	294.81	22.46	-1.88	0.167
127.50	-19.31	-2.83	0.00	-40.41	0.00	40.41	784.84	392.42	592.78	292.75	22.65	-1.89	0.163
128.00	-19.20	-2.82	0.00	-39.00	0.00	39.00	782.69	391.35	588.61	290.69	22.85	-1.90	0.159
128.50	-19.10	-2.81	0.00	-37.59	0.00	37.59	780.54	390.27	584.44	288.64	23.05	-1.91	0.155
129.00	-18.99	-2.80	0.00	-36.18	0.00	36.18	778.38	389.19	580.29	286.58	23.25	-1.92	0.151
129.50	-18.89	-2.80	0.00	-34.78	0.00	34.78	776.21	388.10	576.14	284.53	23.46	-1.93	0.147
130.00	-18.78	-2.79	0.00	-33.38	0.00	33.38	774.02	387.01	572.00	282.49	23.66	-1.95	0.142
130.50	-18.68	-2.78	0.00	-31.99	0.00	31.99	771.83	385.91	567.86	280.44	23.86	-1.96	0.138
131.00	-11.04	-1.69	0.00	-30.60	0.00	30.60	769.63	384.81	563.73	278.40	24.07	-1.97	0.124
131.50	-10.96	-1.68	0.00	-29.75	0.00	29.75	767.41	383.71	559.60	276.37	24.28	-1.98	0.122
132.00	-10.89	-1.68	0.00	-28.91	0.00	28.91	765.19	382.59	555.49	274.33	24.48	-1.99	0.120
132.50	-10.81	-1.67	0.00	-28.07	0.00	28.07	762.95	381.48	551.38	272.31	24.69	-2.00	0.117
133.00	-10.74	-1.66	0.00	-27.24	0.00	27.24	760.71	380.35	547.28	270.28	24.90	-2.00	0.115
133.50	-10.67	-1.65	0.00	-26.41	0.00	26.41	758.45	379.23	543.18	268.26	25.11	-2.01	0.113
134.00	-10.59	-1.64	0.00	-25.59	0.00	25.59	756.18	378.09	539.09	266.24	25.32	-2.02	0.110
134.50	-10.52	-1.63	0.00	-24.77	0.00	24.77	753.91	376.95	535.01	264.22	25.53	-2.03	0.108
135.00	-10.44	-1.62	0.00	-23.95	0.00	23.95	751.62	375.81	530.94	262.21	25.75	-2.04	0.105
135.50	-10.37	-1.61	0.00	-23.14	0.00	23.14	749.32	374.66	526.87	260.20	25.96	-2.05	0.103

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:17 PM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 in Radial Ice

40 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

136.00	-10.30	-1.61	0.00	-22.33	0.00	22.33	747.01	373.51	522.82	258.20	26.18	-2.06	0.100
136.50	-10.22	-1.60	0.00	-21.53	0.00	21.53	744.70	372.35	518.77	256.20	26.39	-2.07	0.098
137.00	-10.15	-1.59	0.00	-20.73	0.00	20.73	742.37	371.18	514.72	254.20	26.61	-2.07	0.095
137.50	-10.08	-1.58	0.00	-19.94	0.00	19.94	740.03	370.01	510.69	252.21	26.83	-2.08	0.093
138.00	-10.01	-1.57	0.00	-19.15	0.00	19.15	737.68	368.84	506.66	250.22	27.05	-2.09	0.090
138.50	-9.93	-1.56	0.00	-18.36	0.00	18.36	735.32	367.66	502.65	248.24	27.27	-2.10	0.087
139.00	-9.86	-1.55	0.00	-17.58	0.00	17.58	732.95	366.47	498.64	246.26	27.49	-2.10	0.085
139.50	-9.79	-1.54	0.00	-16.80	0.00	16.80	730.57	365.28	494.64	244.28	27.71	-2.11	0.082
140.00	-9.72	-1.53	0.00	-16.03	0.00	16.03	728.18	364.09	490.64	242.31	27.93	-2.12	0.080
140.50	-9.65	-1.53	0.00	-15.27	0.00	15.27	725.44	362.72	486.44	240.23	28.15	-2.12	0.077
141.00	-9.16	-1.41	0.00	-14.50	0.00	14.50	721.95	360.98	481.74	237.92	28.37	-2.13	0.074
141.50	-9.10	-1.40	0.00	-13.80	0.00	13.80	718.47	359.23	477.08	235.61	28.60	-2.14	0.071
142.00	-9.04	-1.39	0.00	-13.10	0.00	13.10	714.98	357.49	472.43	233.32	28.82	-2.14	0.069
142.50	-8.98	-1.38	0.00	-12.40	0.00	12.40	711.49	355.75	467.81	231.03	29.04	-2.15	0.066
143.00	-8.93	-1.37	0.00	-11.71	0.00	11.71	708.01	354.00	463.21	228.76	29.27	-2.15	0.064
143.50	-8.87	-1.36	0.00	-11.03	0.00	11.03	704.52	352.26	458.63	226.50	29.50	-2.16	0.061
144.00	-8.81	-1.36	0.00	-10.34	0.00	10.34	701.03	350.52	454.07	224.25	29.72	-2.16	0.059
144.50	-8.76	-1.35	0.00	-9.67	0.00	9.67	697.55	348.77	449.54	222.01	29.95	-2.17	0.056
145.00	-8.70	-1.34	0.00	-8.99	0.00	8.99	694.06	347.03	445.03	219.78	30.18	-2.17	0.053
145.50	-8.65	-1.33	0.00	-8.32	0.00	8.32	690.57	345.29	440.55	217.57	30.40	-2.18	0.051
146.00	-8.59	-1.32	0.00	-7.66	0.00	7.66	687.09	343.54	436.08	215.36	30.63	-2.18	0.048
146.50	-8.53	-1.31	0.00	-7.00	0.00	7.00	683.60	341.80	431.64	213.17	30.86	-2.19	0.045
147.00	-8.48	-1.30	0.00	-6.34	0.00	6.34	680.11	340.06	427.22	210.99	31.09	-2.19	0.043
147.50	-8.42	-1.29	0.00	-5.69	0.00	5.69	676.63	338.31	422.83	208.82	31.32	-2.19	0.040
148.00	-8.37	-1.29	0.00	-5.04	0.00	5.04	673.14	336.57	418.45	206.66	31.55	-2.19	0.037
148.50	-8.31	-1.28	0.00	-4.40	0.00	4.40	669.65	334.83	414.10	204.51	31.78	-2.20	0.034
149.00	-8.26	-1.27	0.00	-3.76	0.00	3.76	666.16	333.08	409.78	202.37	32.01	-2.20	0.031
149.50	-8.20	-1.26	0.00	-3.13	0.00	3.13	662.68	331.34	405.47	200.25	32.24	-2.20	0.028
150.00	0.00	-0.94	0.00	-2.50	0.00	2.50	659.19	329.60	401.19	198.13	32.47	-2.20	0.013

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:17 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W	Serviceability 60 mph	38 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		5.4	0.0					0.0	0.0	5.4	0.0	0.0	0.0
0.50		10.8	75.9					0.0	44.6	10.8	120.6	0.0	0.0
1.00		10.8	75.8					0.0	44.6	10.8	120.4	0.0	0.0
1.50		10.8	75.6					0.0	44.6	10.8	120.2	0.0	0.0
2.00		10.8	75.5					0.0	44.6	10.8	120.1	0.0	0.0
2.50		10.8	75.3					0.0	44.6	10.8	119.9	0.0	0.0
3.00		10.7	75.1					0.0	44.6	10.7	119.8	0.0	0.0
3.50		10.7	75.0					0.0	44.6	10.7	119.6	0.0	0.0
4.00		10.7	74.8					0.0	44.6	10.7	119.4	0.0	0.0
4.50		10.7	74.7					0.0	44.6	10.7	119.3	0.0	0.0
5.00		10.6	74.5					0.0	44.6	10.6	119.1	0.0	0.0
5.50		10.6	74.3					0.0	44.6	10.6	119.0	0.0	0.0
6.00		10.6	74.2					0.0	44.6	10.6	118.8	0.0	0.0
6.50		10.6	74.0					0.0	44.6	10.6	118.6	0.0	0.0
7.00		10.6	73.9					0.0	44.6	10.6	118.5	0.0	0.0
7.50		10.5	73.7					0.0	44.6	10.5	118.3	0.0	0.0
8.00		10.5	73.5					0.0	44.6	10.5	118.2	0.0	0.0
8.50		10.5	73.4					0.0	67.4	10.5	140.8	0.0	0.0
9.00		10.5	73.2					0.0	67.4	10.5	140.6	0.0	0.0
9.50		10.4	73.0					0.0	67.4	10.4	140.5	0.0	0.0
10.00		10.4	72.9					0.0	67.4	10.4	140.3	0.0	0.0
10.50		10.4	72.7					0.0	67.4	10.4	140.1	0.0	0.0
11.00		10.4	72.6					0.0	67.4	10.4	140.0	0.0	0.0
11.50		10.3	72.4					0.0	67.4	10.3	139.8	0.0	0.0
12.00		10.3	72.2					0.0	67.4	10.3	139.7	0.0	0.0
12.50		10.3	72.1					0.0	67.4	10.3	139.5	0.0	0.0
13.00		10.3	71.9					0.0	67.4	10.3	139.3	0.0	0.0
13.50		10.3	71.8					0.0	67.4	10.3	139.2	0.0	0.0
14.00		10.2	71.6					0.0	67.4	10.2	139.0	0.0	0.0
14.50		10.2	71.4					0.0	67.4	10.2	138.9	0.0	0.0
15.00		10.2	71.3					0.0	67.4	10.2	138.7	0.0	0.0
15.50		10.2	71.1					0.0	67.4	10.2	138.5	0.0	0.0
16.00		10.1	71.0					0.0	67.4	10.1	138.4	0.0	0.0
16.50		10.1	70.8					0.0	67.4	10.1	138.2	0.0	0.0
17.00		10.1	70.6					0.0	67.4	10.1	138.1	0.0	0.0
17.50		10.1	70.5					0.0	67.4	10.1	137.9	0.0	0.0
18.00		10.1	70.3					0.0	67.4	10.1	137.7	0.0	0.0
18.50		10.0	70.1					0.0	67.4	10.0	137.6	0.0	0.0
19.00		10.0	70.0					0.0	67.4	10.0	137.4	0.0	0.0
19.50		10.0	69.8					0.0	67.4	10.0	137.3	0.0	0.0
20.00		10.0	69.7					0.0	67.4	10.0	137.1	0.0	0.0
20.50		9.9	69.5					0.0	67.4	9.9	136.9	0.0	0.0
21.00		9.9	69.3					0.0	67.4	9.9	136.8	0.0	0.0
21.50		9.9	69.2					0.0	67.4	9.9	136.6	0.0	0.0
22.00		9.9	69.0					0.0	67.4	9.9	136.4	0.0	0.0
22.50		9.8	68.9					0.0	67.4	9.8	136.3	0.0	0.0
23.00		9.8	68.7					0.0	67.4	9.8	136.1	0.0	0.0
23.50		9.8	68.5					0.0	67.4	9.8	136.0	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:36 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W	Serviceability 60 mph				38 Iterations			
Gust Response Factor : 1.10					Wind Importance Factor : 1.00			
Dead Load Factor : 1.00								
Wind Load Factor : 1.00								

24.00		9.8	68.4	0.0	67.4	9.8	135.8	0.0	0.0
24.50		9.8	68.2	0.0	67.4	9.8	135.6	0.0	0.0
25.00		9.7	68.1	0.0	67.4	9.7	135.5	0.0	0.0
25.50		9.7	67.9	0.0	67.4	9.7	135.3	0.0	0.0
26.00		9.7	67.7	0.0	67.4	9.7	135.2	0.0	0.0
26.50		9.7	67.6	0.0	67.4	9.7	135.0	0.0	0.0
27.00		9.6	67.4	0.0	67.4	9.6	134.8	0.0	0.0
27.50		9.6	67.3	0.0	67.4	9.6	134.7	0.0	0.0
28.00		9.6	67.1	0.0	67.4	9.6	134.5	0.0	0.0
28.50		9.6	66.9	0.0	67.4	9.6	134.4	0.0	0.0
29.00		9.5	66.8	0.0	67.4	9.5	134.2	0.0	0.0
29.50		9.5	66.6	0.0	67.4	9.5	134.0	0.0	0.0
30.00		9.5	66.4	0.0	67.4	9.5	133.9	0.0	0.0
30.50		9.5	66.3	0.0	67.4	9.5	133.7	0.0	0.0
31.00		9.6	66.1	0.0	67.4	9.6	133.5	0.0	0.0
31.50	Bot - Section 2	9.7	66.0	0.0	67.4	9.7	133.4	0.0	0.0
32.00		9.8	121.8	0.0	67.4	9.8	189.3	0.0	0.0
32.50		9.8	121.5	0.0	67.4	9.8	188.9	0.0	0.0
33.00		9.8	121.2	0.0	67.4	9.8	188.6	0.0	0.0
33.50		9.8	120.9	0.0	67.4	9.8	188.4	0.0	0.0
34.00		9.9	120.6	0.0	67.4	9.9	188.1	0.0	0.0
34.50		9.9	120.3	0.0	67.4	9.9	187.8	0.0	0.0
35.00		9.9	120.0	0.0	67.4	9.9	187.5	0.0	0.0
35.50		6.6	119.7	0.0	67.4	6.6	187.2	0.0	0.0
35.67	Top - Section 1	5.0	39.8	0.0	22.5	5.0	62.3	0.0	0.0
36.00		8.3	36.6	0.0	45.0	8.3	81.6	0.0	0.0
36.50		6.7	54.8	0.0	67.4	6.7	122.2	0.0	0.0
36.67	Reinf. Top Reinf	5.0	18.6	0.0	22.9	5.0	41.5	0.0	0.0
37.00		8.3	36.1	0.0	40.3	8.3	76.4	0.0	0.0
37.50		10.0	54.5	0.0	61.0	10.0	115.6	0.0	0.0
38.00		10.0	54.4	0.0	61.0	10.0	115.5	0.0	0.0
38.50		10.0	54.3	0.0	61.0	10.0	115.3	0.0	0.0
39.00		10.0	54.1	0.0	61.0	10.0	115.2	0.0	0.0
39.50		10.0	54.0	0.0	61.0	10.0	115.0	0.0	0.0
40.00		10.0	53.9	0.0	61.0	10.0	114.9	0.0	0.0
40.50		10.0	53.7	0.0	61.0	10.0	114.8	0.0	0.0
41.00		10.0	53.6	0.0	61.0	10.0	114.6	0.0	0.0
41.50		10.1	53.5	0.0	61.0	10.1	114.5	0.0	0.0
42.00		10.1	53.3	0.0	61.0	10.1	114.4	0.0	0.0
42.50		10.1	53.2	0.0	61.0	10.1	114.2	0.0	0.0
43.00		10.1	53.1	0.0	61.0	10.1	114.1	0.0	0.0
43.50		10.1	52.9	0.0	61.0	10.1	114.0	0.0	0.0
44.00		10.1	52.8	0.0	61.0	10.1	113.8	0.0	0.0
44.50		10.1	52.7	0.0	61.0	10.1	113.7	0.0	0.0
45.00		10.1	52.5	0.0	61.0	10.1	113.6	0.0	0.0
45.50		10.1	52.4	0.0	61.0	10.1	113.4	0.0	0.0
46.00		10.1	52.3	0.0	61.0	10.1	113.3	0.0	0.0
46.50		10.1	52.1	0.0	61.0	10.1	113.2	0.0	0.0
47.00		10.1	52.0	0.0	61.0	10.1	113.0	0.0	0.0
47.50		10.1	51.9	0.0	61.0	10.1	112.9	0.0	0.0
48.00		10.1	51.7	0.0	61.0	10.1	112.8	0.0	0.0
48.50		10.2	51.6	0.0	61.0	10.2	112.6	0.0	0.0
49.00		10.2	51.5	0.0	61.0	10.2	112.5	0.0	0.0
49.50		10.2	51.3	0.0	61.0	10.2	112.4	0.0	0.0
50.00		10.2	51.2	0.0	61.0	10.2	112.2	0.0	0.0
50.50		10.2	51.0	0.0	61.0	10.2	112.1	0.0	0.0
51.00		10.2	50.9	0.0	61.0	10.2	112.0	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:36 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W

Serviceability 60 mph

38 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

51.50	10.2	50.8	0.0	61.0	10.2	111.8	0.0	0.0	
52.00	10.2	50.6	0.0	61.0	10.2	111.7	0.0	0.0	
52.50	10.2	50.5	0.0	61.0	10.2	111.6	0.0	0.0	
53.00	10.2	50.4	0.0	61.0	10.2	111.4	0.0	0.0	
53.50	10.2	50.2	0.0	61.0	10.2	111.3	0.0	0.0	
54.00	10.2	50.1	0.0	61.0	10.2	111.2	0.0	0.0	
54.50	10.2	50.0	0.0	61.0	10.2	111.0	0.0	0.0	
55.00	10.2	49.8	0.0	61.0	10.2	110.9	0.0	0.0	
55.50	10.2	49.7	0.0	61.0	10.2	110.8	0.0	0.0	
56.00	10.2	49.6	0.0	61.0	10.2	110.6	0.0	0.0	
56.50	10.2	49.4	0.0	61.0	10.2	110.5	0.0	0.0	
57.00	10.2	49.3	0.0	61.0	10.2	110.4	0.0	0.0	
57.50	10.2	49.2	0.0	61.0	10.2	110.2	0.0	0.0	
58.00	10.2	49.0	0.0	61.0	10.2	110.1	0.0	0.0	
58.50	10.2	48.9	0.0	61.0	10.2	110.0	0.0	0.0	
59.00	10.2	48.8	0.0	61.0	10.2	109.8	0.0	0.0	
59.50	10.2	48.6	0.0	61.0	10.2	109.7	0.0	0.0	
60.00	10.1	48.5	0.0	61.0	10.1	109.6	0.0	0.0	
60.50	10.1	48.4	0.0	61.0	10.1	109.4	0.0	0.0	
61.00	10.1	48.2	0.0	61.0	10.1	109.3	0.0	0.0	
61.50	10.1	48.1	0.0	61.0	10.1	109.1	0.0	0.0	
62.00	10.1	48.0	0.0	61.0	10.1	109.0	0.0	0.0	
62.50	10.1	47.8	0.0	61.0	10.1	108.9	0.0	0.0	
63.00	10.1	47.7	0.0	61.0	10.1	108.7	0.0	0.0	
63.50	10.1	47.6	0.0	61.0	10.1	108.6	0.0	0.0	
64.00	10.1	47.4	0.0	61.0	10.1	108.5	0.0	0.0	
64.50	10.1	47.3	0.0	61.0	10.1	108.3	0.0	0.0	
65.00	10.1	47.2	0.0	61.0	10.1	108.2	0.0	0.0	
65.50	10.1	47.0	0.0	61.0	10.1	108.1	0.0	0.0	
66.00	10.1	46.9	0.0	61.0	10.1	107.9	0.0	0.0	
66.50	10.1	46.8	0.0	61.0	10.1	107.8	0.0	0.0	
67.00	10.1	46.6	0.0	61.0	10.1	107.7	0.0	0.0	
67.50	10.1	46.5	0.0	61.0	10.1	107.5	0.0	0.0	
68.00	10.1	46.4	0.0	61.0	10.1	107.4	0.0	0.0	
68.50	10.0	46.2	0.0	61.0	10.0	107.3	0.0	0.0	
69.00	10.0	46.1	0.0	61.0	10.0	107.1	0.0	0.0	
69.50	10.0	46.0	0.0	61.0	10.0	107.0	0.0	0.0	
70.00	Bot - Section 3	10.1	45.8	0.0	61.0	10.1	106.9	0.0	0.0
70.50		10.2	83.0	0.0	61.1	10.2	144.1	0.0	0.0
71.00		10.2	82.8	0.0	61.0	10.2	143.8	0.0	0.0
71.50		10.2	82.5	0.0	61.0	10.2	143.6	0.0	0.0
72.00		10.2	82.3	0.0	61.0	10.2	143.3	0.0	0.0
72.50		10.2	82.0	0.0	61.0	10.2	143.1	0.0	0.0
73.00		8.4	81.8	0.0	61.0	8.4	142.8	0.0	0.0
73.33	Reinf. Top Reinf	5.1	53.9	0.0	40.3	5.1	94.1	0.0	0.0
73.50	Top - Section 2	6.8	27.7	0.0	18.6	6.8	46.3	0.0	0.0
74.00		10.1	36.6	0.0	54.8	10.1	91.3	0.0	0.0
74.50		10.1	36.5	0.0	54.7	10.1	91.2	0.0	0.0
75.00		10.1	36.4	0.0	54.7	10.1	91.1	0.0	0.0
75.50		10.1	36.2	0.0	54.7	10.1	91.0	0.0	0.0
76.00		10.1	36.1	0.0	54.7	10.1	90.9	0.0	0.0
76.50		10.1	36.0	0.0	54.7	10.1	90.8	0.0	0.0
77.00		10.1	35.9	0.0	54.7	10.1	90.7	0.0	0.0
77.50		10.1	35.8	0.0	54.7	10.1	90.6	0.0	0.0
78.00		10.1	35.7	0.0	54.7	10.1	90.5	0.0	0.0
78.50		10.0	35.6	0.0	54.7	10.0	90.3	0.0	0.0
79.00		10.0	35.5	0.0	54.7	10.0	90.2	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:36 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W	Serviceability 60 mph	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

79.50	10.0	35.4	0.0	54.7	10.0	90.1	0.0	0.0
80.00	10.0	35.3	0.0	54.7	10.0	90.0	0.0	0.0
80.50	10.0	35.2	0.0	54.7	10.0	89.9	0.0	0.0
81.00	10.0	35.1	0.0	54.7	10.0	89.8	0.0	0.0
81.50	10.0	35.0	0.0	54.7	10.0	89.7	0.0	0.0
82.00	10.0	34.8	0.0	54.7	10.0	89.6	0.0	0.0
82.50	9.9	34.7	0.0	54.7	9.9	89.5	0.0	0.0
83.00	9.9	34.6	0.0	54.7	9.9	89.4	0.0	0.0
83.50	9.9	34.5	0.0	54.7	9.9	89.3	0.0	0.0
84.00	9.9	34.4	0.0	54.7	9.9	89.2	0.0	0.0
84.50	9.9	34.3	0.0	54.7	9.9	89.1	0.0	0.0
85.00	9.9	34.2	0.0	54.7	9.9	89.0	0.0	0.0
85.50	9.9	34.1	0.0	54.7	9.9	88.8	0.0	0.0
86.00	9.8	34.0	0.0	54.7	9.8	88.7	0.0	0.0
86.50	9.8	33.9	0.0	54.7	9.8	88.6	0.0	0.0
87.00	9.8	33.8	0.0	54.7	9.8	88.5	0.0	0.0
87.50	9.8	33.7	0.0	54.7	9.8	88.4	0.0	0.0
88.00	9.8	33.6	0.0	54.7	9.8	88.3	0.0	0.0
88.50	9.8	33.5	0.0	54.7	9.8	88.2	0.0	0.0
89.00	9.8	33.3	0.0	54.7	9.8	88.1	0.0	0.0
89.50	9.7	33.2	0.0	54.7	9.7	88.0	0.0	0.0
90.00	9.7	33.1	0.0	54.7	9.7	87.9	0.0	0.0
90.50	9.7	33.0	0.0	54.7	9.7	87.8	0.0	0.0
91.00	9.7	32.9	0.0	54.7	9.7	87.7	0.0	0.0
91.50	9.7	32.8	0.0	54.7	9.7	87.6	0.0	0.0
92.00	9.7	32.7	0.0	54.7	9.7	87.5	0.0	0.0
92.50	9.6	32.6	0.0	54.7	9.6	87.3	0.0	0.0
93.00	9.6	32.5	0.0	54.7	9.6	87.2	0.0	0.0
93.50	9.6	32.4	0.0	54.7	9.6	87.1	0.0	0.0
94.00	9.6	32.3	0.0	54.7	9.6	87.0	0.0	0.0
94.50	9.6	32.2	0.0	54.7	9.6	86.9	0.0	0.0
95.00	9.6	32.1	0.0	54.7	9.6	86.8	0.0	0.0
95.50	9.5	32.0	0.0	54.7	9.5	86.7	0.0	0.0
96.00	9.5	31.8	0.0	54.7	9.5	86.6	0.0	0.0
96.50	9.5	31.7	0.0	54.7	9.5	86.5	0.0	0.0
97.00	9.5	31.6	0.0	54.7	9.5	86.4	0.0	0.0
97.50	9.5	31.5	0.0	54.7	9.5	86.3	0.0	0.0
98.00	9.4	31.4	0.0	54.7	9.4	86.2	0.0	0.0
98.50	9.4	31.3	0.0	54.7	9.4	86.1	0.0	0.0
99.00	9.4	31.2	0.0	54.7	9.4	86.0	0.0	0.0
99.50	9.4	31.1	0.0	54.7	9.4	85.8	0.0	0.0
100.00	9.4	31.0	0.0	54.7	9.4	85.7	0.0	0.0
100.50	9.4	30.9	0.0	54.7	9.4	85.6	0.0	0.0
101.00	9.3	30.8	0.0	54.7	9.3	85.5	0.0	0.0
101.50	9.3	30.7	0.0	54.7	9.3	85.4	0.0	0.0
102.00	9.3	30.6	0.0	54.7	9.3	85.3	0.0	0.0
102.50	9.3	30.4	0.0	54.7	9.3	85.2	0.0	0.0
103.00	9.3	30.3	0.0	54.7	9.3	85.1	0.0	0.0
103.50	9.2	30.2	0.0	54.7	9.2	85.0	0.0	0.0
104.00	9.2	30.1	0.0	54.7	9.2	84.9	0.0	0.0
104.50	9.2	30.0	0.0	54.7	9.2	84.8	0.0	0.0
105.00	9.2	29.9	0.0	54.7	9.2	84.7	0.0	0.0
105.50	9.2	29.8	0.0	54.7	9.2	84.6	0.0	0.0
106.00	9.1	29.7	0.0	54.7	9.1	84.4	0.0	0.0
106.50	9.1	29.6	0.0	54.7	9.1	84.3	0.0	0.0
107.00	9.1	29.5	0.0	54.7	9.1	84.2	0.0	0.0
107.50	9.1	29.4	0.0	54.7	9.1	84.1	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:36 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W		Serviceability 60 mph					38 Iterations						
Gust Response Factor : 1.10							Wind Importance Factor : 1.00						
Dead Load Factor : 1.00													
Wind Load Factor : 1.00													
108.00		9.1	29.3			0.0	54.7	9.1	84.0	0.0	0.0		
108.50		9.0	29.2			0.0	54.7	9.0	83.9	0.0	0.0		
109.00		9.0	29.1			0.0	54.7	9.0	83.8	0.0	0.0		
109.50		9.0	28.9			0.0	54.7	9.0	83.7	0.0	0.0		
110.00	Top - Section 3	9.0	28.8			0.0	54.7	9.0	83.6	0.0	0.0		
110.50		9.0	21.6			0.0	48.3	9.0	69.9	0.0	0.0		
111.00		8.9	21.5			0.0	48.3	8.9	69.8	0.0	0.0		
111.50		8.9	21.5			0.0	48.3	8.9	69.8	0.0	0.0		
112.00		8.9	21.4			0.0	48.3	8.9	69.7	0.0	0.0		
112.50		8.9	21.3			0.0	48.3	8.9	69.6	0.0	0.0		
113.00		8.8	21.2			0.0	48.3	8.8	69.5	0.0	0.0		
113.50		8.8	21.1			0.0	48.3	8.8	69.4	0.0	0.0		
114.00		8.8	21.1			0.0	48.3	8.8	69.4	0.0	0.0		
114.50		8.8	21.0			0.0	48.3	8.8	69.3	0.0	0.0		
115.00		8.8	20.9			0.0	48.3	8.8	69.2	0.0	0.0		
115.50		8.7	20.8			0.0	48.3	8.7	69.1	0.0	0.0		
116.00		8.7	20.7			0.0	48.3	8.7	69.0	0.0	0.0		
116.50	Reinf. Top	8.7	20.6			0.0	48.3	8.7	69.0	0.0	0.0		
117.00		8.7	20.6			0.0	22.8	8.7	43.4	0.0	0.0		
117.50		8.6	20.5			0.0	22.8	8.6	43.3	0.0	0.0		
118.00		8.6	20.4			0.0	22.8	8.6	43.2	0.0	0.0		
118.50		8.6	20.3			0.0	22.8	8.6	43.1	0.0	0.0		
119.00		8.6	20.2			0.0	22.8	8.6	43.0	0.0	0.0		
119.50		8.5	20.2			0.0	22.8	8.5	43.0	0.0	0.0		
120.00		8.5	20.1			0.0	22.8	8.5	42.9	0.0	0.0		
120.50		8.5	20.0			0.0	22.8	8.5	42.8	0.0	0.0		
121.00		8.5	19.9			0.0	22.8	8.5	42.7	0.0	0.0		
121.50		8.4	19.8			0.0	22.8	8.4	42.6	0.0	0.0		
122.00		8.4	19.8			0.0	22.8	8.4	42.6	0.0	0.0		
122.50		8.4	19.7			0.0	22.8	8.4	42.5	0.0	0.0		
123.00		8.4	19.6			0.0	22.8	8.4	42.4	0.0	0.0		
123.50		8.4	19.5			0.0	22.8	8.4	42.3	0.0	0.0		
124.00		8.3	19.4			0.0	22.8	8.3	42.2	0.0	0.0		
124.50		8.3	19.4			0.0	22.8	8.3	42.2	0.0	0.0		
125.00		8.3	19.3			0.0	22.8	8.3	42.1	0.0	0.0		
125.50		8.3	19.2			0.0	22.8	8.3	42.0	0.0	0.0		
126.00		8.2	19.1			0.0	22.8	8.2	41.9	0.0	0.0		
126.50		8.2	19.0			0.0	22.8	8.2	41.8	0.0	0.0		
127.00		8.2	19.0			0.0	22.8	8.2	41.8	0.0	0.0		
127.50		8.2	18.9			0.0	22.8	8.2	41.7	0.0	0.0		
128.00		8.1	18.8			0.0	22.8	8.1	41.6	0.0	0.0		
128.50		8.1	18.7			0.0	22.8	8.1	41.5	0.0	0.0		
129.00		8.1	18.6			0.0	22.8	8.1	41.4	0.0	0.0		
129.50		8.1	18.6			0.0	22.8	8.1	41.4	0.0	0.0		
130.00		8.0	18.5			0.0	22.8	8.0	41.3	0.0	0.0		
130.50		8.0	18.4			0.0	22.8	8.0	41.2	0.0	0.0		
131.00	Appurtenance(s)	8.0	18.3	820.1	0.0	0.0	3,192.2	0.0	22.8	828.1	3,233.3	0.0	0.0
131.50		7.9	18.2			0.0	17.0	7.9	35.3	0.0	0.0	0.0	
132.00		7.9	18.2			0.0	17.0	7.9	35.2	0.0	0.0	0.0	
132.50		7.9	18.1			0.0	17.0	7.9	35.1	0.0	0.0	0.0	
133.00		7.9	18.0			0.0	17.0	7.9	35.0	0.0	0.0	0.0	
133.50		7.8	17.9			0.0	17.0	7.8	34.9	0.0	0.0	0.0	
134.00		7.8	17.8			0.0	17.0	7.8	34.9	0.0	0.0	0.0	
134.50		7.8	17.8			0.0	17.0	7.8	34.8	0.0	0.0	0.0	
135.00		7.8	17.7			0.0	17.0	7.8	34.7	0.0	0.0	0.0	
135.50		7.7	17.6			0.0	17.0	7.7	34.6	0.0	0.0	0.0	
136.00		7.7	17.5			0.0	17.0	7.7	34.5	0.0	0.0	0.0	

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:36 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W	Serviceability 60 mph				38 Iterations			
Gust Response Factor : 1.10					Wind Importance Factor : 1.00			
Dead Load Factor : 1.00								
Wind Load Factor : 1.00								

136.50		7.7	17.4					0.0	17.0	7.7	34.4	0.0	0.0	
137.00		7.7	17.3					0.0	17.0	7.7	34.4	0.0	0.0	
137.50		7.6	17.3					0.0	17.0	7.6	34.3	0.0	0.0	
138.00		7.6	17.2					0.0	17.0	7.6	34.2	0.0	0.0	
138.50		7.6	17.1					0.0	17.0	7.6	34.1	0.0	0.0	
139.00		7.5	17.0					0.0	17.0	7.5	34.0	0.0	0.0	
139.50		7.5	16.9					0.0	17.0	7.5	34.0	0.0	0.0	
140.00		7.5	16.9					0.0	17.0	7.5	33.9	0.0	0.0	
140.50		7.5	16.8					0.0	17.0	7.5	33.8	0.0	0.0	
141.00	Appurtenance(s)	7.4	16.7	107.5	0.0	0.0	66.0	0.0	17.0	7.5	33.8	0.0	0.0	
141.50		7.4	16.6					0.0	14.6	7.4	31.2	0.0	0.0	
142.00		7.4	16.5					0.0	14.6	7.4	31.1	0.0	0.0	
142.50		7.3	16.5					0.0	14.6	7.3	31.0	0.0	0.0	
143.00		7.3	16.4					0.0	14.6	7.3	30.9	0.0	0.0	
143.50		7.3	16.3					0.0	14.6	7.3	30.9	0.0	0.0	
144.00		7.3	16.2					0.0	14.6	7.3	30.8	0.0	0.0	
144.50		7.2	16.1					0.0	14.6	7.2	30.7	0.0	0.0	
145.00		7.2	16.1					0.0	14.6	7.2	30.6	0.0	0.0	
145.50		7.2	16.0					0.0	14.6	7.2	30.5	0.0	0.0	
146.00		7.1	15.9					0.0	14.6	7.1	30.5	0.0	0.0	
146.50		7.1	15.8					0.0	14.6	7.1	30.4	0.0	0.0	
147.00		7.1	15.7					0.0	14.6	7.1	30.3	0.0	0.0	
147.50		7.1	15.7					0.0	14.6	7.1	30.2	0.0	0.0	
148.00		7.0	15.6					0.0	14.6	7.0	30.1	0.0	0.0	
148.50		7.0	15.5					0.0	14.6	7.0	30.1	0.0	0.0	
149.00		7.0	15.4					0.0	14.6	7.0	30.0	0.0	0.0	
149.50		6.9	15.3					0.0	14.6	6.9	29.9	0.0	0.0	
150.00	Appurtenance(s)	3.5	15.3	901.3	0.0	2,614.2	3,480.0	0.0	14.6	6.9	29.9	0.0	0.0	
									Totals:		4,658.69	35,073.4	0.00	0.00

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:36 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W

Serviceability 60 mph

38 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	-35.07	-4.65	0.00	-489.81	0.00	489.81	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.133
0.50	-34.95	-4.64	0.00	-487.48	0.00	487.48	3,152.93	1,576.47	4,795.55	2,368.34	0.00	-0.01	0.133
1.00	-34.83	-4.64	0.00	-485.16	0.00	485.16	3,148.69	1,574.34	4,778.83	2,360.09	0.00	-0.01	0.133
1.50	-34.71	-4.63	0.00	-482.84	0.00	482.84	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.02	0.132
2.00	-34.59	-4.62	0.00	-480.53	0.00	480.53	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.02	0.132
2.50	-34.47	-4.61	0.00	-478.22	0.00	478.22	3,135.89	1,567.94	4,728.75	2,335.35	0.01	-0.03	0.132
3.00	-34.35	-4.61	0.00	-475.91	0.00	475.91	3,131.60	1,565.80	4,712.08	2,327.12	0.01	-0.03	0.131
3.50	-34.23	-4.60	0.00	-473.61	0.00	473.61	3,127.31	1,563.65	4,695.42	2,318.89	0.01	-0.04	0.131
4.00	-34.11	-4.59	0.00	-471.31	0.00	471.31	3,123.00	1,561.50	4,678.77	2,310.67	0.02	-0.04	0.131
4.50	-33.99	-4.58	0.00	-469.01	0.00	469.01	3,118.68	1,559.34	4,662.14	2,302.45	0.02	-0.05	0.130
5.00	-33.87	-4.58	0.00	-466.72	0.00	466.72	3,114.35	1,557.18	4,645.51	2,294.24	0.03	-0.05	0.130
5.50	-33.75	-4.57	0.00	-464.43	0.00	464.43	3,110.02	1,555.01	4,628.91	2,286.04	0.04	-0.06	0.130
6.00	-33.63	-4.56	0.00	-462.15	0.00	462.15	3,105.67	1,552.83	4,612.31	2,277.85	0.04	-0.07	0.130
6.50	-33.51	-4.55	0.00	-459.87	0.00	459.87	3,101.31	1,550.65	4,595.73	2,269.66	0.05	-0.07	0.129
7.00	-33.39	-4.55	0.00	-457.59	0.00	457.59	3,096.94	1,548.47	4,579.16	2,261.47	0.06	-0.08	0.129
7.50	-33.28	-4.54	0.00	-455.32	0.00	455.32	3,092.56	1,546.28	4,562.60	2,253.30	0.07	-0.08	0.129
8.00	-33.16	-4.53	0.00	-453.05	0.00	453.05	3,088.17	1,544.08	4,546.06	2,245.13	0.07	-0.09	0.128
8.50	-33.02	-4.52	0.00	-450.79	0.00	450.79	3,083.77	1,541.88	4,529.53	2,236.96	0.08	-0.09	0.128
9.00	-32.87	-4.52	0.00	-448.52	0.00	448.52	3,079.36	1,539.68	4,513.01	2,228.81	0.09	-0.10	0.128
9.50	-32.73	-4.51	0.00	-446.27	0.00	446.27	3,074.94	1,537.47	4,496.51	2,220.66	0.10	-0.10	0.127
10.00	-32.59	-4.50	0.00	-444.01	0.00	444.01	3,070.50	1,535.25	4,480.02	2,212.51	0.12	-0.11	0.127
10.50	-32.45	-4.49	0.00	-441.76	0.00	441.76	3,066.06	1,533.03	4,463.54	2,204.38	0.13	-0.12	0.127
11.00	-32.31	-4.49	0.00	-439.52	0.00	439.52	3,061.61	1,530.80	4,447.08	2,196.25	0.14	-0.12	0.126
11.50	-32.17	-4.48	0.00	-437.27	0.00	437.27	3,057.15	1,528.57	4,430.63	2,188.12	0.15	-0.13	0.126
12.00	-32.03	-4.47	0.00	-435.03	0.00	435.03	3,052.67	1,526.34	4,414.20	2,180.01	0.17	-0.13	0.126
12.50	-31.89	-4.46	0.00	-432.80	0.00	432.80	3,048.19	1,524.09	4,397.78	2,171.90	0.18	-0.14	0.126
13.00	-31.75	-4.46	0.00	-430.57	0.00	430.57	3,043.69	1,521.85	4,381.37	2,163.80	0.19	-0.14	0.125
13.50	-31.61	-4.45	0.00	-428.34	0.00	428.34	3,039.19	1,519.59	4,364.98	2,155.70	0.21	-0.15	0.125
14.00	-31.47	-4.44	0.00	-426.12	0.00	426.12	3,034.67	1,517.34	4,348.61	2,147.61	0.23	-0.15	0.125
14.50	-31.33	-4.43	0.00	-423.90	0.00	423.90	3,030.15	1,515.07	4,332.24	2,139.53	0.24	-0.16	0.124
15.00	-31.19	-4.43	0.00	-421.68	0.00	421.68	3,025.61	1,512.81	4,315.90	2,131.46	0.26	-0.16	0.124
15.50	-31.06	-4.42	0.00	-419.47	0.00	419.47	3,021.07	1,510.53	4,299.57	2,123.39	0.28	-0.17	0.124
16.00	-30.92	-4.41	0.00	-417.26	0.00	417.26	3,016.51	1,508.25	4,283.25	2,115.33	0.30	-0.18	0.123
16.50	-30.78	-4.40	0.00	-415.05	0.00	415.05	3,011.94	1,505.97	4,266.95	2,107.28	0.31	-0.18	0.123
17.00	-30.64	-4.39	0.00	-412.85	0.00	412.85	3,007.37	1,503.68	4,250.66	2,099.24	0.33	-0.19	0.123
17.50	-30.50	-4.39	0.00	-410.66	0.00	410.66	3,002.78	1,501.39	4,234.39	2,091.20	0.35	-0.19	0.122
18.00	-30.36	-4.38	0.00	-408.46	0.00	408.46	2,998.18	1,499.09	4,218.13	2,083.18	0.37	-0.20	0.122
18.50	-30.23	-4.37	0.00	-406.27	0.00	406.27	2,993.57	1,496.79	4,201.89	2,075.15	0.39	-0.20	0.122
19.00	-30.09	-4.36	0.00	-404.09	0.00	404.09	2,988.95	1,494.48	4,185.66	2,067.14	0.42	-0.21	0.121
19.50	-29.95	-4.36	0.00	-401.90	0.00	401.90	2,984.32	1,492.16	4,169.45	2,059.13	0.44	-0.21	0.121
20.00	-29.81	-4.35	0.00	-399.73	0.00	399.73	2,979.68	1,489.84	4,153.25	2,051.14	0.46	-0.22	0.121
20.50	-29.68	-4.34	0.00	-397.55	0.00	397.55	2,975.03	1,487.52	4,137.08	2,043.15	0.49	-0.23	0.120
21.00	-29.54	-4.33	0.00	-395.38	0.00	395.38	2,970.37	1,485.19	4,120.91	2,035.16	0.51	-0.23	0.120
21.50	-29.40	-4.33	0.00	-393.21	0.00	393.21	2,965.70	1,482.85	4,104.77	2,027.19	0.53	-0.24	0.120
22.00	-29.26	-4.32	0.00	-391.05	0.00	391.05	2,961.02	1,480.51	4,088.63	2,019.22	0.56	-0.24	0.119
22.50	-29.13	-4.31	0.00	-388.89	0.00	388.89	2,956.33	1,478.16	4,072.52	2,011.26	0.58	-0.25	0.119
23.00	-28.99	-4.30	0.00	-386.73	0.00	386.73	2,951.62	1,475.81	4,056.42	2,003.31	0.61	-0.25	0.119
23.50	-28.85	-4.30	0.00	-384.58	0.00	384.58	2,946.91	1,473.46	4,040.34	1,995.37	0.64	-0.26	0.118
24.00	-28.72	-4.29	0.00	-382.43	0.00	382.43	2,942.19	1,471.09	4,024.27	1,987.44	0.67	-0.27	0.118
24.50	-28.58	-4.28	0.00	-380.29	0.00	380.29	2,937.46	1,468.73	4,008.22	1,979.51	0.69	-0.27	0.118
25.00	-28.45	-4.27	0.00	-378.15	0.00	378.15	2,932.71	1,466.36	3,992.19	1,971.59	0.72	-0.28	0.117

Site Number: 302494
Site Name: Hddm - Haddam, CT
Customer: SPRINT NEXTEL

Code: ANSI/TIA-222-G
Engineering Number: OAA712589_C3_05

©2007 - 2018 by ATC IP LLC. All rights reserved.
4/24/2018 5:54:37 PM

Load Case: 1.0D + 1.0W	Serviceability 60 mph	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

25.50	-28.31	-4.27	0.00	-376.01	0.00	376.01	2,927.96	1,463.98	3,976.18	1,963.68	0.75	-0.28	0.117
26.00	-28.18	-4.26	0.00	-373.88	0.00	373.88	2,923.19	1,461.60	3,960.18	1,955.78	0.78	-0.29	0.117
26.50	-28.04	-4.25	0.00	-371.75	0.00	371.75	2,918.42	1,459.21	3,944.20	1,947.89	0.81	-0.29	0.117
27.00	-27.90	-4.24	0.00	-369.63	0.00	369.63	2,913.63	1,456.82	3,928.23	1,940.01	0.84	-0.30	0.116
27.50	-27.77	-4.24	0.00	-367.50	0.00	367.50	2,910.08	1,455.04	3,913.96	1,932.96	0.87	-0.30	0.116
28.00	-27.63	-4.23	0.00	-365.39	0.00	365.39	2,903.11	1,451.55	3,895.11	1,923.65	0.91	-0.31	0.116
28.50	-27.50	-4.22	0.00	-363.27	0.00	363.27	2,896.13	1,448.07	3,876.32	1,914.37	0.94	-0.32	0.115
29.00	-27.37	-4.21	0.00	-361.16	0.00	361.16	2,889.16	1,444.58	3,857.57	1,905.11	0.97	-0.32	0.115
29.50	-27.23	-4.20	0.00	-359.06	0.00	359.06	2,882.19	1,441.09	3,838.86	1,895.87	1.01	-0.33	0.115
30.00	-27.10	-4.20	0.00	-356.95	0.00	356.95	2,875.21	1,437.61	3,820.20	1,886.65	1.04	-0.33	0.115
30.50	-26.96	-4.19	0.00	-354.86	0.00	354.86	2,868.24	1,434.12	3,801.59	1,877.46	1.08	-0.34	0.114
31.00	-26.83	-4.18	0.00	-352.76	0.00	352.76	2,861.26	1,430.63	3,783.02	1,868.29	1.11	-0.34	0.114
31.50	-26.70	-4.17	0.00	-350.67	0.00	350.67	2,854.29	1,427.15	3,764.50	1,859.14	1.15	-0.35	0.114
32.00	-26.51	-4.17	0.00	-348.58	0.00	348.58	2,847.32	1,423.66	3,746.02	1,850.02	1.19	-0.35	0.112
32.50	-26.32	-4.16	0.00	-346.50	0.00	346.50	2,840.34	1,420.17	3,727.58	1,840.91	1.22	-0.36	0.112
33.00	-26.13	-4.15	0.00	-344.42	0.00	344.42	2,833.37	1,416.69	3,709.20	1,831.83	1.26	-0.37	0.111
33.50	-25.94	-4.14	0.00	-342.35	0.00	342.35	2,826.40	1,413.20	3,690.85	1,822.77	1.30	-0.37	0.111
34.00	-25.75	-4.13	0.00	-340.28	0.00	340.28	2,819.42	1,409.71	3,672.56	1,813.74	1.34	-0.38	0.111
34.50	-25.56	-4.12	0.00	-338.21	0.00	338.21	2,812.45	1,406.22	3,654.31	1,804.72	1.38	-0.38	0.110
35.00	-25.37	-4.11	0.00	-336.15	0.00	336.15	2,805.48	1,402.74	3,636.10	1,795.73	1.42	-0.39	0.110
35.50	-25.19	-4.11	0.00	-334.09	0.00	334.09	2,798.50	1,399.25	3,617.94	1,786.76	1.46	-0.39	0.110
35.67	-25.12	-4.10	0.00	-333.41	0.00	333.41	2,248.07	1,124.03	2,973.91	1,468.70	1.47	-0.40	0.126
36.00	-25.04	-4.10	0.00	-332.04	0.00	332.04	2,245.83	1,122.91	2,966.06	1,464.83	1.50	-0.40	0.126
36.50	-24.92	-4.09	0.00	-329.99	0.00	329.99	2,242.46	1,121.23	2,954.30	1,459.02	1.54	-0.40	0.126
36.67	-24.88	-4.09	0.00	-329.30	0.00	329.30	2,241.31	1,120.65	2,950.31	1,457.05	1.56	-0.41	0.126
36.67	-24.88	-4.09	0.00	-329.30	0.00	329.30	2,241.31	1,120.65	2,950.31	1,457.05	1.56	-0.41	0.135
37.00	-24.80	-4.08	0.00	-327.95	0.00	327.95	2,239.08	1,119.54	2,942.55	1,453.22	1.59	-0.41	0.134
37.50	-24.69	-4.07	0.00	-325.91	0.00	325.91	2,235.69	1,117.84	2,930.81	1,447.42	1.63	-0.42	0.134
38.00	-24.57	-4.06	0.00	-323.87	0.00	323.87	2,232.29	1,116.14	2,919.08	1,441.62	1.67	-0.42	0.134
38.50	-24.45	-4.06	0.00	-321.84	0.00	321.84	2,228.88	1,114.44	2,907.36	1,435.83	1.72	-0.43	0.133
39.00	-24.34	-4.05	0.00	-319.81	0.00	319.81	2,225.46	1,112.73	2,895.64	1,430.05	1.76	-0.44	0.133
39.50	-24.22	-4.04	0.00	-317.79	0.00	317.79	2,222.03	1,111.01	2,883.93	1,424.27	1.81	-0.44	0.132
40.00	-24.11	-4.03	0.00	-315.77	0.00	315.77	2,218.59	1,109.29	2,872.23	1,418.49	1.86	-0.45	0.132
40.50	-23.99	-4.02	0.00	-313.75	0.00	313.75	2,215.14	1,107.57	2,860.55	1,412.72	1.90	-0.46	0.131
41.00	-23.88	-4.02	0.00	-311.74	0.00	311.74	2,211.67	1,105.84	2,848.87	1,406.95	1.95	-0.46	0.131
41.50	-23.76	-4.01	0.00	-309.73	0.00	309.73	2,208.20	1,104.10	2,837.20	1,401.18	2.00	-0.47	0.130
42.00	-23.65	-4.00	0.00	-307.73	0.00	307.73	2,204.72	1,102.36	2,825.53	1,395.43	2.05	-0.47	0.130
42.50	-23.53	-3.99	0.00	-305.73	0.00	305.73	2,201.23	1,100.61	2,813.88	1,389.67	2.10	-0.48	0.129
43.00	-23.42	-3.98	0.00	-303.73	0.00	303.73	2,197.72	1,098.86	2,802.24	1,383.92	2.15	-0.49	0.129
43.50	-23.31	-3.97	0.00	-301.74	0.00	301.74	2,194.21	1,097.10	2,790.61	1,378.18	2.20	-0.49	0.128
44.00	-23.19	-3.96	0.00	-299.76	0.00	299.76	2,190.68	1,095.34	2,778.98	1,372.44	2.25	-0.50	0.128
44.50	-23.08	-3.96	0.00	-297.77	0.00	297.77	2,187.15	1,093.57	2,767.37	1,366.70	2.31	-0.51	0.127
45.00	-22.96	-3.95	0.00	-295.80	0.00	295.80	2,183.60	1,091.80	2,755.77	1,360.97	2.36	-0.51	0.127
45.50	-22.85	-3.94	0.00	-293.82	0.00	293.82	2,180.05	1,090.02	2,744.17	1,355.24	2.41	-0.52	0.126
46.00	-22.74	-3.93	0.00	-291.85	0.00	291.85	2,176.48	1,088.24	2,732.59	1,349.52	2.47	-0.52	0.126
46.50	-22.62	-3.92	0.00	-289.89	0.00	289.89	2,172.91	1,086.45	2,721.02	1,343.81	2.52	-0.53	0.125
47.00	-22.51	-3.91	0.00	-287.93	0.00	287.93	2,169.32	1,084.66	2,709.45	1,338.10	2.58	-0.54	0.125
47.50	-22.40	-3.90	0.00	-285.97	0.00	285.97	2,165.72	1,082.86	2,697.90	1,332.39	2.64	-0.54	0.125
48.00	-22.28	-3.90	0.00	-284.02	0.00	284.02	2,162.11	1,081.06	2,686.36	1,326.69	2.69	-0.55	0.124
48.50	-22.17	-3.89	0.00	-282.07	0.00	282.07	2,158.50	1,079.25	2,674.83	1,321.00	2.75	-0.56	0.124
49.00	-22.06	-3.88	0.00	-280.13	0.00	280.13	2,154.87	1,077.43	2,663.31	1,315.31	2.81	-0.56	0.123
49.50	-21.94	-3.87	0.00	-278.19	0.00	278.19	2,151.23	1,075.61	2,651.80	1,309.62	2.87	-0.57	0.123
50.00	-21.83	-3.86	0.00	-276.26	0.00	276.26	2,147.58	1,073.79	2,640.30	1,303.95	2.93	-0.57	0.122
50.50	-21.72	-3.85	0.00	-274.33	0.00	274.33	2,143.92	1,071.96	2,628.81	1,298.27	2.99	-0.58	0.122
51.00	-21.61	-3.84	0.00	-272.40	0.00	272.40	2,140.25	1,070.13	2,617.34	1,292.60	3.05	-0.59	0.121
51.50	-21.49	-3.83	0.00	-270.48	0.00	270.48	2,136.57	1,068.29	2,605.87	1,286.94	3.11	-0.59	0.121
52.00	-21.38	-3.82	0.00	-268.56	0.00	268.56	2,132.88	1,066.44	2,594.42	1,281.29	3.18	-0.60	0.120

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:37 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W	Serviceability 60 mph	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

52.50	-21.27	-3.81	0.00	-266.65	0.00	266.65	2,129.18	1,064.59	2,582.98	1,275.64	3.24	-0.61	0.120
53.00	-21.16	-3.81	0.00	-264.74	0.00	264.74	2,125.47	1,062.73	2,571.55	1,269.99	3.30	-0.61	0.119
53.50	-21.05	-3.80	0.00	-262.84	0.00	262.84	2,121.75	1,060.87	2,560.13	1,264.35	3.37	-0.62	0.119
54.00	-20.94	-3.79	0.00	-260.94	0.00	260.94	2,118.01	1,059.01	2,548.72	1,258.72	3.43	-0.63	0.118
54.50	-20.82	-3.78	0.00	-259.05	0.00	259.05	2,114.27	1,057.14	2,537.32	1,253.09	3.50	-0.63	0.118
55.00	-20.71	-3.77	0.00	-257.16	0.00	257.16	2,110.52	1,055.26	2,525.94	1,247.47	3.57	-0.64	0.117
55.50	-20.60	-3.76	0.00	-255.28	0.00	255.28	2,106.75	1,053.38	2,514.57	1,241.85	3.63	-0.64	0.117
56.00	-20.49	-3.75	0.00	-253.40	0.00	253.40	2,102.98	1,051.49	2,503.21	1,236.24	3.70	-0.65	0.116
56.50	-20.38	-3.74	0.00	-251.52	0.00	251.52	2,099.20	1,049.60	2,491.86	1,230.64	3.77	-0.66	0.116
57.00	-20.27	-3.73	0.00	-249.65	0.00	249.65	2,095.40	1,047.70	2,480.53	1,225.04	3.84	-0.66	0.115
57.50	-20.16	-3.72	0.00	-247.78	0.00	247.78	2,091.60	1,045.80	2,469.21	1,219.45	3.91	-0.67	0.115
58.00	-20.05	-3.71	0.00	-245.92	0.00	245.92	2,087.78	1,043.89	2,457.90	1,213.86	3.98	-0.68	0.114
58.50	-19.94	-3.70	0.00	-244.06	0.00	244.06	2,083.96	1,041.98	2,446.60	1,208.28	4.05	-0.68	0.114
59.00	-19.83	-3.70	0.00	-242.21	0.00	242.21	2,080.12	1,040.06	2,435.32	1,202.71	4.12	-0.69	0.113
59.50	-19.72	-3.69	0.00	-240.36	0.00	240.36	2,076.27	1,038.14	2,424.04	1,197.14	4.19	-0.69	0.113
60.00	-19.61	-3.68	0.00	-238.52	0.00	238.52	2,072.41	1,036.21	2,412.79	1,191.58	4.27	-0.70	0.112
60.50	-19.50	-3.67	0.00	-236.68	0.00	236.68	2,068.55	1,034.27	2,401.54	1,186.03	4.34	-0.71	0.112
61.00	-19.39	-3.66	0.00	-234.85	0.00	234.85	2,064.67	1,032.33	2,390.31	1,180.48	4.41	-0.71	0.111
61.50	-19.28	-3.65	0.00	-233.02	0.00	233.02	2,060.78	1,030.39	2,379.09	1,174.94	4.49	-0.72	0.111
62.00	-19.17	-3.64	0.00	-231.19	0.00	231.19	2,056.88	1,028.44	2,367.88	1,169.41	4.56	-0.72	0.110
62.50	-19.06	-3.63	0.00	-229.38	0.00	229.38	2,052.97	1,026.49	2,356.69	1,163.88	4.64	-0.73	0.110
63.00	-18.95	-3.62	0.00	-227.56	0.00	227.56	2,049.05	1,024.53	2,345.51	1,158.36	4.72	-0.74	0.109
63.50	-18.84	-3.61	0.00	-225.75	0.00	225.75	2,045.12	1,022.56	2,334.35	1,152.85	4.80	-0.74	0.109
64.00	-18.74	-3.60	0.00	-223.94	0.00	223.94	2,041.18	1,020.59	2,323.20	1,147.34	4.87	-0.75	0.108
64.50	-18.63	-3.59	0.00	-222.14	0.00	222.14	2,037.23	1,018.62	2,312.06	1,141.84	4.95	-0.76	0.107
65.00	-18.52	-3.58	0.00	-220.35	0.00	220.35	2,033.27	1,016.64	2,300.94	1,136.35	5.03	-0.76	0.107
65.50	-18.41	-3.57	0.00	-218.56	0.00	218.56	2,029.30	1,014.65	2,289.83	1,130.86	5.11	-0.77	0.106
66.00	-18.30	-3.56	0.00	-216.77	0.00	216.77	2,025.32	1,012.66	2,278.74	1,125.38	5.19	-0.77	0.106
66.50	-18.19	-3.55	0.00	-214.99	0.00	214.99	2,021.33	1,010.66	2,267.65	1,119.91	5.27	-0.78	0.105
67.00	-18.09	-3.54	0.00	-213.21	0.00	213.21	2,017.34	1,008.68	2,256.59	1,114.45	5.36	-0.79	0.105
67.50	-17.98	-3.53	0.00	-211.44	0.00	211.44	2,013.34	1,006.68	2,245.54	1,108.99	5.44	-0.79	0.104
68.00	-17.87	-3.52	0.00	-209.67	0.00	209.67	2,009.34	1,004.67	2,234.50	1,103.53	5.52	-0.80	0.104
68.50	-17.76	-3.52	0.00	-207.91	0.00	207.91	1,999.53	999.77	2,223.47	1,098.06	5.61	-0.80	0.104
69.00	-17.66	-3.51	0.00	-206.15	0.00	206.15	1,993.72	996.86	2,212.44	1,092.59	5.69	-0.81	0.103
69.50	-17.55	-3.50	0.00	-204.40	0.00	204.40	1,987.91	993.96	2,201.41	1,087.12	5.78	-0.82	0.103
70.00	-17.44	-3.49	0.00	-202.65	0.00	202.65	1,982.10	991.05	2,190.38	1,081.65	5.86	-0.82	0.102
70.50	-17.33	-3.48	0.00	-200.91	0.00	200.91	1,976.29	988.14	2,179.35	1,076.18	5.95	-0.83	0.100
71.00	-17.22	-3.47	0.00	-199.17	0.00	199.17	1,970.48	985.24	2,168.32	1,070.71	6.04	-0.83	0.100
71.50	-17.11	-3.46	0.00	-197.44	0.00	197.44	1,964.67	982.33	2,157.29	1,065.24	6.12	-0.84	0.099
72.00	-16.99	-3.45	0.00	-195.71	0.00	195.71	1,958.85	979.43	2,146.26	1,059.77	6.21	-0.85	0.099
72.50	-16.88	-3.44	0.00	-193.99	0.00	193.99	1,953.04	976.52	2,135.23	1,054.30	6.30	-0.85	0.098
73.00	-16.77	-3.43	0.00	-192.27	0.00	192.27	1,947.23	973.62	2,124.20	1,048.83	6.39	-0.86	0.098
73.33	-16.66	-3.42	0.00	-190.56	0.00	190.56	1,941.42	970.71	2,113.17	1,043.36	6.48	-0.86	0.098
73.33	-16.49	-3.42	0.00	-191.14	0.00	191.14	1,943.40	971.70	2,093.70	1,034.00	6.45	-0.86	0.098
73.33	-16.49	-3.42	0.00	-191.14	0.00	191.14	1,943.40	971.70	2,093.70	1,034.00	6.45	-0.86	0.107
73.50	-16.44	-3.41	0.00	-190.56	0.00	190.56	1,473.96	736.98	1,624.57	802.32	6.48	-0.86	0.127
74.00	-16.35	-3.40	0.00	-188.86	0.00	188.86	1,471.41	735.71	1,616.97	798.56	6.57	-0.87	0.126
74.50	-16.26	-3.39	0.00	-187.15	0.00	187.15	1,468.85	734.43	1,609.36	794.80	6.66	-0.88	0.126
75.00	-16.16	-3.38	0.00	-185.46	0.00	185.46	1,466.28	733.14	1,601.77	791.05	6.76	-0.88	0.125
75.50	-16.07	-3.37	0.00	-183.77	0.00	183.77	1,463.70	731.85	1,594.18	787.30	6.85	-0.89	0.124
76.00	-15.98	-3.36	0.00	-182.08	0.00	182.08	1,461.11	730.55	1,586.59	783.56	6.94	-0.90	0.123
76.50	-15.89	-3.36	0.00	-180.40	0.00	180.40	1,458.51	729.25	1,579.01	779.81	7.04	-0.91	0.123
77.00	-15.80	-3.35	0.00	-178.72	0.00	178.72	1,455.89	727.95	1,571.44	776.07	7.13	-0.91	0.122
77.50	-15.71	-3.34	0.00	-177.05	0.00	177.05	1,453.27	726.64	1,563.87	772.34	7.23	-0.92	0.121
78.00	-15.62	-3.33	0.00	-175.38	0.00	175.38	1,450.64	725.32	1,556.31	768.60	7.32	-0.93	0.120
78.50	-15.53	-3.32	0.00	-173.72	0.00	173.72	1,447.99	724.00	1,548.75	764.87	7.42	-0.93	0.120
79.00	-15.44	-3.31	0.00	-172.06	0.00	172.06	1,445.34	722.67	1,541.20	761.14	7.52	-0.94	0.119
79.50	-15.35	-3.30	0.00	-170.40	0.00	170.40	1,442.68	721.34	1,533.65	757.41	7.62	-0.95	0.118

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:37 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W	Serviceability 60 mph	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

80.00	-15.26	-3.29	0.00	-168.75	0.00	168.75	1,440.00	720.00	1,526.12	753.69	7.72	-0.95	0.117
80.50	-15.17	-3.28	0.00	-167.11	0.00	167.11	1,437.32	718.66	1,518.59	749.97	7.82	-0.96	0.116
81.00	-15.08	-3.27	0.00	-165.47	0.00	165.47	1,434.62	717.31	1,511.06	746.26	7.92	-0.97	0.116
81.50	-14.99	-3.26	0.00	-163.84	0.00	163.84	1,431.91	715.96	1,503.54	742.54	8.02	-0.97	0.115
82.00	-14.90	-3.25	0.00	-162.21	0.00	162.21	1,429.20	714.60	1,496.03	738.83	8.12	-0.98	0.114
82.50	-14.81	-3.24	0.00	-160.58	0.00	160.58	1,426.47	713.23	1,488.53	735.13	8.23	-0.99	0.113
83.00	-14.72	-3.23	0.00	-158.96	0.00	158.96	1,423.73	711.87	1,481.03	731.43	8.33	-0.99	0.113
83.50	-14.63	-3.22	0.00	-157.35	0.00	157.35	1,420.98	710.49	1,473.54	727.73	8.44	-1.00	0.112
84.00	-14.54	-3.21	0.00	-155.74	0.00	155.74	1,418.23	709.11	1,466.06	724.03	8.54	-1.01	0.111
84.50	-14.45	-3.20	0.00	-154.14	0.00	154.14	1,415.46	707.73	1,458.58	720.34	8.65	-1.01	0.110
85.00	-14.36	-3.19	0.00	-152.54	0.00	152.54	1,412.68	706.34	1,451.11	716.65	8.75	-1.02	0.110
85.50	-14.27	-3.18	0.00	-150.94	0.00	150.94	1,409.89	704.94	1,443.65	712.97	8.86	-1.03	0.109
86.00	-14.18	-3.17	0.00	-149.35	0.00	149.35	1,407.09	703.54	1,436.20	709.28	8.97	-1.03	0.108
86.50	-14.09	-3.16	0.00	-147.76	0.00	147.76	1,404.28	702.14	1,428.75	705.61	9.08	-1.04	0.107
87.00	-14.01	-3.15	0.00	-146.18	0.00	146.18	1,401.46	700.73	1,421.32	701.93	9.19	-1.05	0.106
87.50	-13.92	-3.14	0.00	-144.61	0.00	144.61	1,398.63	699.31	1,413.89	698.26	9.30	-1.05	0.106
88.00	-13.83	-3.13	0.00	-143.04	0.00	143.04	1,395.79	697.89	1,406.46	694.60	9.41	-1.06	0.105
88.50	-13.74	-3.12	0.00	-141.47	0.00	141.47	1,392.93	696.47	1,399.05	690.94	9.52	-1.07	0.104
89.00	-13.65	-3.11	0.00	-139.91	0.00	139.91	1,390.07	695.04	1,391.64	687.28	9.63	-1.07	0.103
89.50	-13.56	-3.10	0.00	-138.35	0.00	138.35	1,387.20	693.60	1,384.25	683.63	9.74	-1.08	0.103
90.00	-13.48	-3.09	0.00	-136.80	0.00	136.80	1,384.32	692.16	1,376.86	679.98	9.86	-1.09	0.102
90.50	-13.39	-3.08	0.00	-135.26	0.00	135.26	1,381.42	690.71	1,369.48	676.33	9.97	-1.09	0.101
91.00	-13.30	-3.07	0.00	-133.72	0.00	133.72	1,378.52	689.26	1,362.10	672.69	10.09	-1.10	0.100
91.50	-13.21	-3.06	0.00	-132.18	0.00	132.18	1,375.61	687.80	1,354.74	669.06	10.20	-1.11	0.099
92.00	-13.12	-3.05	0.00	-130.65	0.00	130.65	1,372.68	686.34	1,347.39	665.42	10.32	-1.11	0.099
92.50	-13.04	-3.04	0.00	-129.12	0.00	129.12	1,369.75	684.87	1,340.04	661.80	10.44	-1.12	0.098
93.00	-12.95	-3.03	0.00	-127.60	0.00	127.60	1,366.80	683.40	1,332.70	658.17	10.55	-1.12	0.097
93.50	-12.86	-3.02	0.00	-126.08	0.00	126.08	1,363.85	681.92	1,325.38	654.55	10.67	-1.13	0.096
94.00	-12.78	-3.01	0.00	-124.57	0.00	124.57	1,360.88	680.44	1,318.06	650.94	10.79	-1.14	0.095
94.50	-12.69	-3.00	0.00	-123.07	0.00	123.07	1,357.90	678.95	1,310.75	647.33	10.91	-1.14	0.095
95.00	-12.60	-2.99	0.00	-121.57	0.00	121.57	1,354.92	677.46	1,303.45	643.72	11.03	-1.15	0.094
95.50	-12.51	-2.98	0.00	-120.07	0.00	120.07	1,351.92	675.96	1,296.16	640.12	11.15	-1.16	0.093
96.00	-12.43	-2.97	0.00	-118.58	0.00	118.58	1,348.91	674.46	1,288.88	636.53	11.27	-1.16	0.092
96.50	-12.34	-2.96	0.00	-117.09	0.00	117.09	1,345.89	672.95	1,281.61	632.94	11.39	-1.17	0.091
97.00	-12.25	-2.95	0.00	-115.61	0.00	115.61	1,342.86	671.43	1,274.35	629.35	11.52	-1.17	0.090
97.50	-12.17	-2.94	0.00	-114.13	0.00	114.13	1,339.82	669.91	1,267.09	625.77	11.64	-1.18	0.090
98.00	-12.08	-2.93	0.00	-112.66	0.00	112.66	1,336.78	668.39	1,259.85	622.19	11.76	-1.19	0.089
98.50	-12.00	-2.92	0.00	-111.19	0.00	111.19	1,333.72	666.86	1,252.62	618.62	11.89	-1.19	0.088
99.00	-11.91	-2.91	0.00	-109.73	0.00	109.73	1,330.65	665.32	1,245.40	615.06	12.01	-1.20	0.087
99.50	-11.82	-2.90	0.00	-108.27	0.00	108.27	1,327.57	663.78	1,238.19	611.50	12.14	-1.20	0.086
100.00	-11.74	-2.89	0.00	-106.82	0.00	106.82	1,324.47	662.24	1,230.99	607.94	12.27	-1.21	0.086
100.50	-11.65	-2.88	0.00	-105.37	0.00	105.37	1,321.37	660.69	1,223.80	604.39	12.39	-1.22	0.085
101.00	-11.57	-2.87	0.00	-103.93	0.00	103.93	1,318.26	659.13	1,216.62	600.84	12.52	-1.22	0.084
101.50	-11.48	-2.86	0.00	-102.50	0.00	102.50	1,315.14	657.57	1,209.45	597.30	12.65	-1.23	0.083
102.00	-11.40	-2.85	0.00	-101.06	0.00	101.06	1,312.01	656.00	1,202.30	593.77	12.78	-1.23	0.082
102.50	-11.31	-2.84	0.00	-99.64	0.00	99.64	1,308.86	654.43	1,195.15	590.24	12.91	-1.24	0.081
103.00	-11.23	-2.83	0.00	-98.21	0.00	98.21	1,305.71	652.86	1,188.02	586.72	13.04	-1.25	0.080
103.50	-11.14	-2.82	0.00	-96.80	0.00	96.80	1,302.55	651.27	1,180.89	583.20	13.17	-1.25	0.080
104.00	-11.06	-2.81	0.00	-95.39	0.00	95.39	1,299.37	649.69	1,173.78	579.69	13.30	-1.26	0.079
104.50	-10.97	-2.80	0.00	-93.98	0.00	93.98	1,296.19	648.09	1,166.68	576.18	13.43	-1.26	0.078
105.00	-10.89	-2.79	0.00	-92.58	0.00	92.58	1,292.99	646.50	1,159.59	572.68	13.56	-1.27	0.077
105.50	-10.80	-2.78	0.00	-91.18	0.00	91.18	1,288.98	644.49	1,151.78	568.82	13.70	-1.27	0.076
106.00	-10.72	-2.77	0.00	-89.79	0.00	89.79	1,284.33	642.16	1,143.44	564.70	13.83	-1.28	0.076
106.50	-10.63	-2.76	0.00	-88.40	0.00	88.40	1,279.68	639.84	1,135.13	560.60	13.97	-1.28	0.075
107.00	-10.55	-2.75	0.00	-87.02	0.00	87.02	1,275.03	637.51	1,126.85	556.51	14.10	-1.29	0.074
107.50	-10.46	-2.74	0.00	-85.64	0.00	85.64	1,270.38	635.19	1,118.60	552.44	14.24	-1.29	0.073
108.00	-10.38	-2.73	0.00	-84.27	0.00	84.27	1,265.73	632.87	1,110.38	548.38	14.37	-1.30	0.072

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:37 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W	Serviceability 60 mph	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

108.50	-10.30	-2.72	0.00	-82.90	0.00	82.90	1,261.08	630.54	1,102.19	544.33	14.51	-1.31	0.072
109.00	-10.21	-2.71	0.00	-81.54	0.00	81.54	1,256.43	628.22	1,094.04	540.30	14.64	-1.31	0.071
109.50	-10.13	-2.70	0.00	-80.18	0.00	80.18	1,251.78	625.89	1,085.91	536.29	14.78	-1.32	0.070
110.00	-10.04	-2.69	0.00	-78.83	0.00	78.83	1,247.14	623.57	1,077.81	532.29	14.92	-1.32	0.069
110.00	-10.04	-2.69	0.00	-78.83	0.00	78.83	853.24	426.62	741.79	366.34	14.92	-1.32	0.000
110.50	-9.97	-2.69	0.00	-77.48	0.00	77.48	851.46	425.73	737.46	364.21	15.06	-1.33	0.096
111.00	-9.91	-2.68	0.00	-76.14	0.00	76.14	849.67	424.84	733.15	362.07	15.20	-1.33	0.095
111.50	-9.84	-2.67	0.00	-74.80	0.00	74.80	847.87	423.94	728.83	359.94	15.34	-1.34	0.094
112.00	-9.77	-2.66	0.00	-73.47	0.00	73.47	846.07	423.03	724.52	357.81	15.48	-1.35	0.092
112.50	-9.70	-2.65	0.00	-72.14	0.00	72.14	844.25	422.12	720.21	355.68	15.62	-1.35	0.091
113.00	-9.63	-2.64	0.00	-70.82	0.00	70.82	842.42	421.21	715.90	353.56	15.76	-1.36	0.090
113.50	-9.56	-2.63	0.00	-69.50	0.00	69.50	840.58	420.29	711.60	351.43	15.91	-1.36	0.089
114.00	-9.49	-2.62	0.00	-68.18	0.00	68.18	838.73	419.36	707.30	349.31	16.05	-1.37	0.087
114.50	-9.42	-2.61	0.00	-66.87	0.00	66.87	836.87	418.43	703.00	347.19	16.19	-1.38	0.086
115.00	-9.35	-2.60	0.00	-65.57	0.00	65.57	834.99	417.50	698.71	345.06	16.34	-1.38	0.085
115.50	-9.28	-2.59	0.00	-64.27	0.00	64.27	833.11	416.56	694.42	342.95	16.48	-1.39	0.083
116.00	-9.21	-2.58	0.00	-62.97	0.00	62.97	831.22	415.61	690.13	340.83	16.63	-1.40	0.082
116.50	-9.14	-2.57	0.00	-61.68	0.00	61.68	829.32	414.66	685.85	338.71	16.77	-1.40	0.081
116.50	-9.14	-2.57	0.00	-61.68	0.00	61.68	829.32	414.66	685.85	338.71	16.77	-1.40	0.193
117.00	-9.10	-2.56	0.00	-60.40	0.00	60.40	827.41	413.70	681.57	336.60	16.92	-1.41	0.190
117.50	-9.05	-2.56	0.00	-59.11	0.00	59.11	825.48	412.74	677.29	334.49	17.07	-1.42	0.188
118.00	-9.01	-2.55	0.00	-57.83	0.00	57.83	823.55	411.77	673.02	332.38	17.22	-1.43	0.185
118.50	-8.97	-2.54	0.00	-56.56	0.00	56.56	821.61	410.80	668.75	330.27	17.37	-1.45	0.182
119.00	-8.92	-2.53	0.00	-55.29	0.00	55.29	819.65	409.83	664.49	328.17	17.52	-1.46	0.179
119.50	-8.88	-2.53	0.00	-54.02	0.00	54.02	817.69	408.84	660.23	326.06	17.68	-1.47	0.177
120.00	-8.84	-2.52	0.00	-52.76	0.00	52.76	815.71	407.86	655.98	323.96	17.83	-1.49	0.174
120.50	-8.79	-2.51	0.00	-51.50	0.00	51.50	813.73	406.86	651.73	321.87	17.99	-1.50	0.171
121.00	-8.75	-2.50	0.00	-50.24	0.00	50.24	811.73	405.86	647.49	319.77	18.15	-1.51	0.168
121.50	-8.71	-2.50	0.00	-48.99	0.00	48.99	809.72	404.86	643.25	317.68	18.31	-1.53	0.165
122.00	-8.67	-2.49	0.00	-47.74	0.00	47.74	807.71	403.85	639.01	315.58	18.47	-1.54	0.162
122.50	-8.62	-2.48	0.00	-46.50	0.00	46.50	805.68	402.84	634.78	313.49	18.63	-1.55	0.159
123.00	-8.58	-2.47	0.00	-45.26	0.00	45.26	803.64	401.82	630.56	311.41	18.79	-1.56	0.156
123.50	-8.54	-2.47	0.00	-44.02	0.00	44.02	801.59	400.80	626.34	309.32	18.95	-1.57	0.153
124.00	-8.49	-2.46	0.00	-42.79	0.00	42.79	799.54	399.77	622.12	307.24	19.12	-1.59	0.150
124.50	-8.45	-2.45	0.00	-41.56	0.00	41.56	797.47	398.73	617.91	305.16	19.29	-1.60	0.147
125.00	-8.41	-2.44	0.00	-40.34	0.00	40.34	795.39	397.69	613.71	303.09	19.46	-1.61	0.144
125.50	-8.37	-2.43	0.00	-39.12	0.00	39.12	793.30	396.65	609.51	301.01	19.62	-1.62	0.141
126.00	-8.33	-2.43	0.00	-37.90	0.00	37.90	791.20	395.60	605.32	298.94	19.79	-1.63	0.137
126.50	-8.28	-2.42	0.00	-36.69	0.00	36.69	789.09	394.54	601.13	296.88	19.97	-1.64	0.134
127.00	-8.24	-2.41	0.00	-35.48	0.00	35.48	786.97	393.48	596.95	294.81	20.14	-1.65	0.131
127.50	-8.20	-2.40	0.00	-34.27	0.00	34.27	784.84	392.42	592.78	292.75	20.31	-1.66	0.128
128.00	-8.16	-2.40	0.00	-33.07	0.00	33.07	782.69	391.35	588.61	290.69	20.49	-1.67	0.124
128.50	-8.12	-2.39	0.00	-31.87	0.00	31.87	780.54	390.27	584.44	288.64	20.66	-1.68	0.121
129.00	-8.07	-2.38	0.00	-30.68	0.00	30.68	778.38	389.19	580.29	286.58	20.84	-1.69	0.117
129.50	-8.03	-2.37	0.00	-29.49	0.00	29.49	776.21	388.10	576.14	284.53	21.02	-1.70	0.114
130.00	-7.99	-2.36	0.00	-28.30	0.00	28.30	774.02	387.01	572.00	282.49	21.20	-1.71	0.111
130.50	-7.95	-2.36	0.00	-27.12	0.00	27.12	771.83	385.91	567.86	280.44	21.38	-1.72	0.107
131.00	-4.74	-1.43	0.00	-25.95	0.00	25.95	769.63	384.81	563.73	278.40	21.56	-1.73	0.099
131.50	-4.71	-1.42	0.00	-25.23	0.00	25.23	767.41	383.71	559.60	276.37	21.74	-1.74	0.097
132.00	-4.67	-1.41	0.00	-24.52	0.00	24.52	765.19	382.59	555.49	274.33	21.92	-1.75	0.095
132.50	-4.64	-1.41	0.00	-23.81	0.00	23.81	762.95	381.48	551.38	272.31	22.10	-1.75	0.094
133.00	-4.60	-1.40	0.00	-23.11	0.00	23.11	760.71	380.35	547.28	270.28	22.29	-1.76	0.092
133.50	-4.57	-1.39	0.00	-22.41	0.00	22.41	758.45	379.23	543.18	268.26	22.47	-1.77	0.090
134.00	-4.53	-1.38	0.00	-21.72	0.00	21.72	756.18	378.09	539.09	266.24	22.66	-1.78	0.088
134.50	-4.50	-1.37	0.00	-21.02	0.00	21.02	753.91	376.95	535.01	264.22	22.84	-1.78	0.086
135.00	-4.46	-1.36	0.00	-20.34	0.00	20.34	751.62	375.81	530.94	262.21	23.03	-1.79	0.084
135.50	-4.43	-1.36	0.00	-19.66	0.00	19.66	749.32	374.66	526.87	260.20	23.22	-1.80	0.081

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:37 PM

Customer: SPRINT NEXTEL

Load Case: 1.0D + 1.0W				Serviceability 60 mph				38 Iterations					
Gust Response Factor : 1.10								Wind Importance Factor : 1.00					
Dead Load Factor : 1.00													
Wind Load Factor : 1.00													
136.00	-4.40	-1.35	0.00	-18.98	0.00	18.98	747.01	373.51	522.82	258.20	23.41	-1.81	0.079
136.50	-4.36	-1.34	0.00	-18.30	0.00	18.30	744.70	372.35	518.77	256.20	23.60	-1.81	0.077
137.00	-4.33	-1.33	0.00	-17.63	0.00	17.63	742.37	371.18	514.72	254.20	23.79	-1.82	0.075
137.50	-4.29	-1.32	0.00	-16.97	0.00	16.97	740.03	370.01	510.69	252.21	23.98	-1.83	0.073
138.00	-4.26	-1.32	0.00	-16.31	0.00	16.31	737.68	368.84	506.66	250.22	24.17	-1.83	0.071
138.50	-4.22	-1.31	0.00	-15.65	0.00	15.65	735.32	367.66	502.65	248.24	24.36	-1.84	0.069
139.00	-4.19	-1.30	0.00	-14.99	0.00	14.99	732.95	366.47	498.64	246.26	24.56	-1.85	0.067
139.50	-4.16	-1.29	0.00	-14.34	0.00	14.34	730.57	365.28	494.64	244.28	24.75	-1.85	0.064
140.00	-4.12	-1.28	0.00	-13.70	0.00	13.70	728.18	364.09	490.64	242.31	24.94	-1.86	0.062
140.50	-4.09	-1.27	0.00	-13.06	0.00	13.06	725.44	362.72	486.44	240.23	25.14	-1.86	0.060
141.00	-3.99	-1.16	0.00	-12.42	0.00	12.42	721.95	360.98	481.74	237.92	25.34	-1.87	0.058
141.50	-3.96	-1.15	0.00	-11.84	0.00	11.84	718.47	359.23	477.08	235.61	25.53	-1.87	0.056
142.00	-3.93	-1.14	0.00	-11.27	0.00	11.27	714.98	357.49	472.43	233.32	25.73	-1.88	0.054
142.50	-3.90	-1.13	0.00	-10.70	0.00	10.70	711.49	355.75	467.81	231.03	25.92	-1.88	0.052
143.00	-3.87	-1.13	0.00	-10.13	0.00	10.13	708.01	354.00	463.21	228.76	26.12	-1.89	0.050
143.50	-3.84	-1.12	0.00	-9.57	0.00	9.57	704.52	352.26	458.63	226.50	26.32	-1.89	0.048
144.00	-3.81	-1.11	0.00	-9.01	0.00	9.01	701.03	350.52	454.07	224.25	26.52	-1.90	0.046
144.50	-3.78	-1.10	0.00	-8.45	0.00	8.45	697.55	348.77	449.54	222.01	26.72	-1.90	0.044
145.00	-3.75	-1.09	0.00	-7.90	0.00	7.90	694.06	347.03	445.03	219.78	26.92	-1.91	0.041
145.50	-3.72	-1.09	0.00	-7.36	0.00	7.36	690.57	345.29	440.55	217.57	27.12	-1.91	0.039
146.00	-3.69	-1.08	0.00	-6.81	0.00	6.81	687.09	343.54	436.08	215.36	27.32	-1.91	0.037
146.50	-3.66	-1.07	0.00	-6.28	0.00	6.28	683.60	341.80	431.64	213.17	27.52	-1.92	0.035
147.00	-3.63	-1.06	0.00	-5.74	0.00	5.74	680.11	340.06	427.22	210.99	27.72	-1.92	0.033
147.50	-3.60	-1.05	0.00	-5.21	0.00	5.21	676.63	338.31	422.83	208.82	27.92	-1.92	0.030
148.00	-3.57	-1.05	0.00	-4.68	0.00	4.68	673.14	336.57	418.45	206.66	28.12	-1.92	0.028
148.50	-3.54	-1.04	0.00	-4.16	0.00	4.16	669.65	334.83	414.10	204.51	28.32	-1.93	0.026
149.00	-3.51	-1.03	0.00	-3.64	0.00	3.64	666.16	333.08	409.78	202.37	28.52	-1.93	0.023
149.50	-3.48	-1.02	0.00	-3.13	0.00	3.13	662.68	331.34	405.47	200.25	28.73	-1.93	0.021
150.00	0.00	-0.90	0.00	-2.61	0.00	2.61	659.19	329.60	401.19	198.13	28.93	-1.93	0.013

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

Equivalent Lateral Forces Method Analysis

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

Spectral Response Acceleration for Short Period (S_s):	0.18
Spectral Response Acceleration at 1.0 Second Period (S_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}):	0.19
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):	2.95
Redundancy Factor (ρ):	1.30
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	35.07 k
Seismic Base Shear (E):	1.37 k

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

Seismic Equivalent Lateral Forces Method

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
303	149.75	30	669	0.002	3	37
302	149.25	30	666	0.002	3	37
301	148.75	30	663	0.002	3	37
300	148.25	30	661	0.002	3	37
299	147.75	30	658	0.002	3	37
298	147.25	30	655	0.002	3	37
297	146.75	30	652	0.002	3	37
296	146.25	30	650	0.002	3	38
295	145.75	30	647	0.002	3	38
294	145.25	31	644	0.002	3	38
293	144.75	31	642	0.002	3	38
292	144.25	31	639	0.002	3	38
291	143.75	31	636	0.002	3	38
290	143.25	31	633	0.002	3	38
289	142.75	31	631	0.002	3	38
288	142.25	31	628	0.002	3	38
287	141.75	31	625	0.002	3	38
286	141.25	31	622	0.002	3	39
285	140.75	34	668	0.002	3	42
284	140.25	34	665	0.002	3	42
283	139.75	34	662	0.002	3	42
282	139.25	34	659	0.002	3	42
281	138.75	34	655	0.002	3	42

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

280	138.25	34	652	0.002	3	42
279	137.75	34	649	0.002	3	42
278	137.25	34	646	0.002	3	42
277	136.75	34	643	0.002	3	43
276	136.25	34	639	0.002	3	43
275	135.75	35	636	0.002	3	43
274	135.25	35	633	0.002	3	43
273	134.75	35	630	0.002	3	43
272	134.25	35	627	0.002	3	43
271	133.75	35	623	0.002	3	43
270	133.25	35	620	0.002	3	43
269	132.75	35	617	0.002	3	43
268	132.25	35	614	0.002	3	43
267	131.75	35	611	0.002	3	44
266	131.25	35	607	0.002	3	44
265	130.75	41	703	0.003	3	51
264	130.25	41	699	0.003	3	51
263	129.75	41	695	0.003	3	51
262	129.25	41	691	0.003	3	51
261	128.75	41	687	0.002	3	51
260	128.25	42	683	0.002	3	51
259	127.75	42	679	0.002	3	51
258	127.25	42	675	0.002	3	52
257	126.75	42	671	0.002	3	52
256	126.25	42	667	0.002	3	52
255	125.75	42	663	0.002	3	52
254	125.25	42	659	0.002	3	52
253	124.75	42	655	0.002	3	52
252	124.25	42	651	0.002	3	52
251	123.75	42	647	0.002	3	52
250	123.25	42	643	0.002	3	52
249	122.75	42	639	0.002	3	52
248	122.25	42	635	0.002	3	53
247	121.75	43	631	0.002	3	53
246	121.25	43	627	0.002	3	53
245	120.75	43	623	0.002	3	53
244	120.25	43	619	0.002	3	53
243	119.75	43	615	0.002	3	53
242	119.25	43	611	0.002	3	53
241	118.75	43	607	0.002	3	53
240	118.25	43	603	0.002	3	53
239	117.75	43	599	0.002	3	53
238	117.25	43	595	0.002	3	54
237	116.75	43	591	0.002	3	54
236	116.25	69	932	0.003	5	85
235	115.75	69	925	0.003	5	85
234	115.25	69	918	0.003	5	86
233	114.75	69	911	0.003	5	86
232	114.25	69	904	0.003	4	86
231	113.75	69	898	0.003	4	86
230	113.25	69	891	0.003	4	86
229	112.75	70	884	0.003	4	86
228	112.25	70	877	0.003	4	86
227	111.75	70	870	0.003	4	86
226	111.25	70	863	0.003	4	86
225	110.75	70	857	0.003	4	86
224	110.25	70	850	0.003	4	87
223	109.75	84	1,007	0.004	5	103
222	109.25	84	999	0.004	5	104
221	108.75	84	991	0.004	5	104
220	108.25	84	983	0.004	5	104
219	107.75	84	975	0.004	5	104
218	107.25	84	968	0.004	5	104
217	106.75	84	960	0.003	5	104

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

216	106.25	84	952	0.003	5	104
215	105.75	84	944	0.003	5	105
214	105.25	85	937	0.003	5	105
213	104.75	85	929	0.003	5	105
212	104.25	85	921	0.003	5	105
211	103.75	85	914	0.003	5	105
210	103.25	85	906	0.003	5	105
209	102.75	85	898	0.003	4	105
208	102.25	85	891	0.003	4	105
207	101.75	85	883	0.003	4	106
206	101.25	85	876	0.003	4	106
205	100.75	86	868	0.003	4	106
204	100.25	86	861	0.003	4	106
203	99.75	86	853	0.003	4	106
202	99.25	86	846	0.003	4	106
201	98.75	86	838	0.003	4	106
200	98.25	86	831	0.003	4	107
199	97.75	86	823	0.003	4	107
198	97.25	86	816	0.003	4	107
197	96.75	86	809	0.003	4	107
196	96.25	86	801	0.003	4	107
195	95.75	87	794	0.003	4	107
194	95.25	87	787	0.003	4	107
193	94.75	87	779	0.003	4	107
192	94.25	87	772	0.003	4	108
191	93.75	87	765	0.003	4	108
190	93.25	87	758	0.003	4	108
189	92.75	87	750	0.003	4	108
188	92.25	87	743	0.003	4	108
187	91.75	87	736	0.003	4	108
186	91.25	88	729	0.003	4	108
185	90.75	88	722	0.003	4	108
184	90.25	88	715	0.003	4	109
183	89.75	88	708	0.003	4	109
182	89.25	88	701	0.003	3	109
181	88.75	88	694	0.003	3	109
180	88.25	88	687	0.002	3	109
179	87.75	88	680	0.002	3	109
178	87.25	88	673	0.002	3	109
177	86.75	89	666	0.002	3	110
176	86.25	89	659	0.002	3	110
175	85.75	89	653	0.002	3	110
174	85.25	89	646	0.002	3	110
173	84.75	89	639	0.002	3	110
172	84.25	89	632	0.002	3	110
171	83.75	89	625	0.002	3	110
170	83.25	89	619	0.002	3	110
169	82.75	89	612	0.002	3	111
168	82.25	89	605	0.002	3	111
167	81.75	90	599	0.002	3	111
166	81.25	90	592	0.002	3	111
165	80.75	90	586	0.002	3	111
164	80.25	90	579	0.002	3	111
163	79.75	90	573	0.002	3	111
162	79.25	90	566	0.002	3	112
161	78.75	90	560	0.002	3	112
160	78.25	90	553	0.002	3	112
159	77.75	90	547	0.002	3	112
158	77.25	91	540	0.002	3	112
157	76.75	91	534	0.002	3	112
156	76.25	91	528	0.002	3	112
155	75.75	91	522	0.002	3	112
154	75.25	91	515	0.002	3	113
153	74.75	91	509	0.002	3	113

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

152	74.25	91	503	0.002	3	113
151	73.75	91	497	0.002	2	113
150	73.41	46	250	0.001	1	57
149	73.17	94	504	0.002	3	117
148	72.75	143	756	0.003	4	177
147	72.25	143	747	0.003	4	177
146	71.75	143	738	0.003	4	177
145	71.25	144	729	0.003	4	178
144	70.75	144	720	0.003	4	178
143	70.25	144	711	0.003	4	178
142	69.75	107	520	0.002	3	132
141	69.25	107	513	0.002	3	132
140	68.75	107	506	0.002	3	133
139	68.25	107	500	0.002	2	133
138	67.75	107	493	0.002	2	133
137	67.25	108	486	0.002	2	133
136	66.75	108	480	0.002	2	133
135	66.25	108	473	0.002	2	133
134	65.75	108	467	0.002	2	134
133	65.25	108	460	0.002	2	134
132	64.75	108	454	0.002	2	134
131	64.25	108	447	0.002	2	134
130	63.75	108	441	0.002	2	134
129	63.25	109	435	0.002	2	134
128	62.75	109	428	0.002	2	135
127	62.25	109	422	0.002	2	135
126	61.75	109	416	0.002	2	135
125	61.25	109	409	0.001	2	135
124	60.75	109	403	0.001	2	135
123	60.25	109	397	0.001	2	135
122	59.75	110	391	0.001	2	136
121	59.25	110	385	0.001	2	136
120	58.75	110	379	0.001	2	136
119	58.25	110	373	0.001	2	136
118	57.75	110	367	0.001	2	136
117	57.25	110	361	0.001	2	136
116	56.75	110	355	0.001	2	137
115	56.25	110	350	0.001	2	137
114	55.75	111	344	0.001	2	137
113	55.25	111	338	0.001	2	137
112	54.75	111	332	0.001	2	137
111	54.25	111	327	0.001	2	137
110	53.75	111	321	0.001	2	138
109	53.25	111	316	0.001	2	138
108	52.75	111	310	0.001	2	138
107	52.25	112	305	0.001	2	138
106	51.75	112	299	0.001	1	138
105	51.25	112	294	0.001	1	138
104	50.75	112	288	0.001	1	139
103	50.25	112	283	0.001	1	139
102	49.75	112	278	0.001	1	139
101	49.25	112	273	0.001	1	139
100	48.75	113	267	0.001	1	139
99	48.25	113	262	0.001	1	139
98	47.75	113	257	0.001	1	140
97	47.25	113	252	0.001	1	140
96	46.75	113	247	0.001	1	140
95	46.25	113	242	0.001	1	140
94	45.75	113	237	0.001	1	140
93	45.25	113	232	0.001	1	140
92	44.75	114	227	0.001	1	141
91	44.25	114	223	0.001	1	141
90	43.75	114	218	0.001	1	141
89	43.25	114	213	0.001	1	141

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

88	42.75	114	209	0.001	1	141
87	42.25	114	204	0.001	1	141
86	41.75	114	199	0.001	1	142
85	41.25	115	195	0.001	1	142
84	40.75	115	190	0.001	1	142
83	40.25	115	186	0.001	1	142
82	39.75	115	182	0.001	1	142
81	39.25	115	177	0.001	1	142
80	38.75	115	173	0.001	1	143
79	38.25	115	169	0.001	1	143
78	37.75	115	165	0.001	1	143
77	37.25	116	160	0.001	1	143
76	36.83	76	104	0.000	1	95
75	36.58	42	56	0.000	0	51
74	36.25	122	161	0.001	1	151
73	35.83	82	105	0.000	1	101
72	35.58	62	79	0.000	0	77
71	35.25	187	233	0.001	1	232
70	34.75	187	226	0.001	1	232
69	34.25	188	220	0.001	1	232
68	33.75	188	214	0.001	1	233
67	33.25	188	208	0.001	1	233
66	32.75	189	202	0.001	1	233
65	32.25	189	197	0.001	1	234
64	31.75	189	191	0.001	1	234
63	31.25	133	130	0.000	1	165
62	30.75	134	126	0.000	1	165
61	30.25	134	122	0.000	1	165
60	29.75	134	118	0.000	1	166
59	29.25	134	115	0.000	1	166
58	28.75	134	111	0.000	1	166
57	28.25	134	107	0.000	1	166
56	27.75	135	104	0.000	1	166
55	27.25	135	100	0.000	0	167
54	26.75	135	96	0.000	0	167
53	26.25	135	93	0.000	0	167
52	25.75	135	90	0.000	0	167
51	25.25	135	86	0.000	0	167
50	24.75	135	83	0.000	0	168
49	24.25	136	80	0.000	0	168
48	23.75	136	77	0.000	0	168
47	23.25	136	73	0.000	0	168
46	22.75	136	70	0.000	0	168
45	22.25	136	67	0.000	0	169
44	21.75	136	65	0.000	0	169
43	21.25	137	62	0.000	0	169
42	20.75	137	59	0.000	0	169
41	20.25	137	56	0.000	0	169
40	19.75	137	53	0.000	0	170
39	19.25	137	51	0.000	0	170
38	18.75	137	48	0.000	0	170
37	18.25	138	46	0.000	0	170
36	17.75	138	43	0.000	0	170
35	17.25	138	41	0.000	0	171
34	16.75	138	39	0.000	0	171
33	16.25	138	36	0.000	0	171
32	15.75	138	34	0.000	0	171
31	15.25	139	32	0.000	0	171
30	14.75	139	30	0.000	0	172
29	14.25	139	28	0.000	0	172
28	13.75	139	26	0.000	0	172
27	13.25	139	24	0.000	0	172
26	12.75	139	23	0.000	0	172
25	12.25	140	21	0.000	0	173

24	11.75	140	19	0.000	0	173
23	11.25	140	18	0.000	0	173
22	10.75	140	16	0.000	0	173
21	10.25	140	15	0.000	0	173
20	9.75	140	13	0.000	0	174
19	9.25	140	12	0.000	0	174
18	8.75	141	11	0.000	0	174
17	8.25	141	10	0.000	0	174
16	7.75	118	7	0.000	0	146
15	7.25	118	6	0.000	0	146
14	6.75	118	5	0.000	0	147
13	6.25	119	5	0.000	0	147
12	5.75	119	4	0.000	0	147
11	5.25	119	3	0.000	0	147
10	4.75	119	3	0.000	0	147
9	4.25	119	2	0.000	0	148
8	3.75	119	2	0.000	0	148
7	3.25	120	1	0.000	0	148
6	2.75	120	1	0.000	0	148
5	2.25	120	1	0.000	0	148
4	1.75	120	0	0.000	0	149
3	1.25	120	0	0.000	0	149
2	0.75	120	0	0.000	0	149
1	0.25	121	0	0.000	0	149
Kaelus DBC0061F1V51-	150.00	153	3,443	0.013	17	189
Decibel DB910CE-M	150.00	16	360	0.001	2	20
Raycap DC6-48-60-18-	150.00	32	715	0.003	4	39
Raycap DC6-48-60-18-	150.00	32	715	0.003	4	39
Powerwave LGP17201	150.00	186	4,185	0.015	21	230
Ericsson RRUS 11 (Ba	150.00	165	3,713	0.014	18	204
Ericsson RRUS 32 (50	150.00	152	3,429	0.012	17	189
Ericsson RRUS 32 B2	150.00	159	3,577	0.013	18	197
Powerwave Allgon 777	150.00	105	2,363	0.009	12	130
KMW AM-X-CD-16-65-00	150.00	97	2,183	0.008	11	120
Quintel QS66512-2	150.00	333	7,493	0.027	37	412
Powerwave P65-17-XLH	150.00	50	1,125	0.004	6	62
Round Platform w/ Ha	150.00	2,000	45,000	0.164	224	2,475
RFS APXV18-206517LS-	141.00	66	1,312	0.005	7	82
Alcatel-Lucent RRR2x	131.00	317	5,447	0.020	27	393
Alcatel-Lucent 1900	131.00	180	3,089	0.011	15	223
Decibel DB844H90E-XY	131.00	84	1,442	0.005	7	104
Alcatel-Lucent TD-RR	131.00	210	3,604	0.013	18	260
RFS APXVTM14-ALU-I20	131.00	169	2,893	0.011	14	209
Commscope NNVV-65B-R	131.00	232	3,985	0.014	20	287
Round Platform w/ Ha	131.00	2,000	34,322	0.125	171	2,475
		35,073	274,918	1.000	1,368	43,405

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

Seismic (Reduced DL) Equivalent Lateral Forces Method

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
303	149.75	30	669	0.002	3	26
302	149.25	30	666	0.002	3	26
301	148.75	30	663	0.002	3	26
300	148.25	30	661	0.002	3	26
299	147.75	30	658	0.002	3	26
298	147.25	30	655	0.002	3	26
297	146.75	30	652	0.002	3	26
296	146.25	30	650	0.002	3	26
295	145.75	30	647	0.002	3	26

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

294	145.25	31	644	0.002	3	26
293	144.75	31	642	0.002	3	26
292	144.25	31	639	0.002	3	26
291	143.75	31	636	0.002	3	27
290	143.25	31	633	0.002	3	27
289	142.75	31	631	0.002	3	27
288	142.25	31	628	0.002	3	27
287	141.75	31	625	0.002	3	27
286	141.25	31	622	0.002	3	27
285	140.75	34	668	0.002	3	29
284	140.25	34	665	0.002	3	29
283	139.75	34	662	0.002	3	29
282	139.25	34	659	0.002	3	29
281	138.75	34	655	0.002	3	29
280	138.25	34	652	0.002	3	29
279	137.75	34	649	0.002	3	30
278	137.25	34	646	0.002	3	30
277	136.75	34	643	0.002	3	30
276	136.25	34	639	0.002	3	30
275	135.75	35	636	0.002	3	30
274	135.25	35	633	0.002	3	30
273	134.75	35	630	0.002	3	30
272	134.25	35	627	0.002	3	30
271	133.75	35	623	0.002	3	30
270	133.25	35	620	0.002	3	30
269	132.75	35	617	0.002	3	30
268	132.25	35	614	0.002	3	30
267	131.75	35	611	0.002	3	30
266	131.25	35	607	0.002	3	30
265	130.75	41	703	0.003	3	35
264	130.25	41	699	0.003	3	36
263	129.75	41	695	0.003	3	36
262	129.25	41	691	0.003	3	36
261	128.75	41	687	0.002	3	36
260	128.25	42	683	0.002	3	36
259	127.75	42	679	0.002	3	36
258	127.25	42	675	0.002	3	36
257	126.75	42	671	0.002	3	36
256	126.25	42	667	0.002	3	36
255	125.75	42	663	0.002	3	36
254	125.25	42	659	0.002	3	36
253	124.75	42	655	0.002	3	36
252	124.25	42	651	0.002	3	36
251	123.75	42	647	0.002	3	36
250	123.25	42	643	0.002	3	36
249	122.75	42	639	0.002	3	37
248	122.25	42	635	0.002	3	37
247	121.75	43	631	0.002	3	37
246	121.25	43	627	0.002	3	37
245	120.75	43	623	0.002	3	37
244	120.25	43	619	0.002	3	37
243	119.75	43	615	0.002	3	37
242	119.25	43	611	0.002	3	37
241	118.75	43	607	0.002	3	37
240	118.25	43	603	0.002	3	37
239	117.75	43	599	0.002	3	37
238	117.25	43	595	0.002	3	37
237	116.75	43	591	0.002	3	37
236	116.25	69	932	0.003	5	59
235	115.75	69	925	0.003	5	60
234	115.25	69	918	0.003	5	60
233	114.75	69	911	0.003	5	60
232	114.25	69	904	0.003	4	60
231	113.75	69	898	0.003	4	60

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

230	113.25	69	891	0.003	4	60
229	112.75	70	884	0.003	4	60
228	112.25	70	877	0.003	4	60
227	111.75	70	870	0.003	4	60
226	111.25	70	863	0.003	4	60
225	110.75	70	857	0.003	4	60
224	110.25	70	850	0.003	4	60
223	109.75	84	1,007	0.004	5	72
222	109.25	84	999	0.004	5	72
221	108.75	84	991	0.004	5	72
220	108.25	84	983	0.004	5	72
219	107.75	84	975	0.004	5	72
218	107.25	84	968	0.004	5	73
217	106.75	84	960	0.003	5	73
216	106.25	84	952	0.003	5	73
215	105.75	84	944	0.003	5	73
214	105.25	85	937	0.003	5	73
213	104.75	85	929	0.003	5	73
212	104.25	85	921	0.003	5	73
211	103.75	85	914	0.003	5	73
210	103.25	85	906	0.003	5	73
209	102.75	85	898	0.003	4	73
208	102.25	85	891	0.003	4	73
207	101.75	85	883	0.003	4	74
206	101.25	85	876	0.003	4	74
205	100.75	86	868	0.003	4	74
204	100.25	86	861	0.003	4	74
203	99.75	86	853	0.003	4	74
202	99.25	86	846	0.003	4	74
201	98.75	86	838	0.003	4	74
200	98.25	86	831	0.003	4	74
199	97.75	86	823	0.003	4	74
198	97.25	86	816	0.003	4	74
197	96.75	86	809	0.003	4	74
196	96.25	86	801	0.003	4	75
195	95.75	87	794	0.003	4	75
194	95.25	87	787	0.003	4	75
193	94.75	87	779	0.003	4	75
192	94.25	87	772	0.003	4	75
191	93.75	87	765	0.003	4	75
190	93.25	87	758	0.003	4	75
189	92.75	87	750	0.003	4	75
188	92.25	87	743	0.003	4	75
187	91.75	87	736	0.003	4	75
186	91.25	88	729	0.003	4	76
185	90.75	88	722	0.003	4	76
184	90.25	88	715	0.003	4	76
183	89.75	88	708	0.003	4	76
182	89.25	88	701	0.003	3	76
181	88.75	88	694	0.003	3	76
180	88.25	88	687	0.002	3	76
179	87.75	88	680	0.002	3	76
178	87.25	88	673	0.002	3	76
177	86.75	89	666	0.002	3	76
176	86.25	89	659	0.002	3	76
175	85.75	89	653	0.002	3	77
174	85.25	89	646	0.002	3	77
173	84.75	89	639	0.002	3	77
172	84.25	89	632	0.002	3	77
171	83.75	89	625	0.002	3	77
170	83.25	89	619	0.002	3	77
169	82.75	89	612	0.002	3	77
168	82.25	89	605	0.002	3	77
167	81.75	90	599	0.002	3	77

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

166	81.25	90	592	0.002	3	77
165	80.75	90	586	0.002	3	77
164	80.25	90	579	0.002	3	78
163	79.75	90	573	0.002	3	78
162	79.25	90	566	0.002	3	78
161	78.75	90	560	0.002	3	78
160	78.25	90	553	0.002	3	78
159	77.75	90	547	0.002	3	78
158	77.25	91	540	0.002	3	78
157	76.75	91	534	0.002	3	78
156	76.25	91	528	0.002	3	78
155	75.75	91	522	0.002	3	78
154	75.25	91	515	0.002	3	78
153	74.75	91	509	0.002	3	79
152	74.25	91	503	0.002	3	79
151	73.75	91	497	0.002	2	79
150	73.41	46	250	0.001	1	40
149	73.17	94	504	0.002	3	81
148	72.75	143	756	0.003	4	123
147	72.25	143	747	0.003	4	123
146	71.75	143	738	0.003	4	124
145	71.25	144	729	0.003	4	124
144	70.75	144	720	0.003	4	124
143	70.25	144	711	0.003	4	124
142	69.75	107	520	0.002	3	92
141	69.25	107	513	0.002	3	92
140	68.75	107	506	0.002	3	92
139	68.25	107	500	0.002	2	93
138	67.75	107	493	0.002	2	93
137	67.25	108	486	0.002	2	93
136	66.75	108	480	0.002	2	93
135	66.25	108	473	0.002	2	93
134	65.75	108	467	0.002	2	93
133	65.25	108	460	0.002	2	93
132	64.75	108	454	0.002	2	93
131	64.25	108	447	0.002	2	93
130	63.75	108	441	0.002	2	94
129	63.25	109	435	0.002	2	94
128	62.75	109	428	0.002	2	94
127	62.25	109	422	0.002	2	94
126	61.75	109	416	0.002	2	94
125	61.25	109	409	0.001	2	94
124	60.75	109	403	0.001	2	94
123	60.25	109	397	0.001	2	94
122	59.75	110	391	0.001	2	94
121	59.25	110	385	0.001	2	95
120	58.75	110	379	0.001	2	95
119	58.25	110	373	0.001	2	95
118	57.75	110	367	0.001	2	95
117	57.25	110	361	0.001	2	95
116	56.75	110	355	0.001	2	95
115	56.25	110	350	0.001	2	95
114	55.75	111	344	0.001	2	95
113	55.25	111	338	0.001	2	96
112	54.75	111	332	0.001	2	96
111	54.25	111	327	0.001	2	96
110	53.75	111	321	0.001	2	96
109	53.25	111	316	0.001	2	96
108	52.75	111	310	0.001	2	96
107	52.25	112	305	0.001	2	96
106	51.75	112	299	0.001	1	96
105	51.25	112	294	0.001	1	96
104	50.75	112	288	0.001	1	97
103	50.25	112	283	0.001	1	97

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

102	49.75	112	278	0.001	1	97
101	49.25	112	273	0.001	1	97
100	48.75	113	267	0.001	1	97
99	48.25	113	262	0.001	1	97
98	47.75	113	257	0.001	1	97
97	47.25	113	252	0.001	1	97
96	46.75	113	247	0.001	1	97
95	46.25	113	242	0.001	1	98
94	45.75	113	237	0.001	1	98
93	45.25	113	232	0.001	1	98
92	44.75	114	227	0.001	1	98
91	44.25	114	223	0.001	1	98
90	43.75	114	218	0.001	1	98
89	43.25	114	213	0.001	1	98
88	42.75	114	209	0.001	1	98
87	42.25	114	204	0.001	1	99
86	41.75	114	199	0.001	1	99
85	41.25	115	195	0.001	1	99
84	40.75	115	190	0.001	1	99
83	40.25	115	186	0.001	1	99
82	39.75	115	182	0.001	1	99
81	39.25	115	177	0.001	1	99
80	38.75	115	173	0.001	1	99
79	38.25	115	169	0.001	1	99
78	37.75	115	165	0.001	1	100
77	37.25	116	160	0.001	1	100
76	36.83	76	104	0.000	1	66
75	36.58	42	56	0.000	0	36
74	36.25	122	161	0.001	1	105
73	35.83	82	105	0.000	1	70
72	35.58	62	79	0.000	0	54
71	35.25	187	233	0.001	1	161
70	34.75	187	226	0.001	1	162
69	34.25	188	220	0.001	1	162
68	33.75	188	214	0.001	1	162
67	33.25	188	208	0.001	1	162
66	32.75	189	202	0.001	1	163
65	32.25	189	197	0.001	1	163
64	31.75	189	191	0.001	1	163
63	31.25	133	130	0.000	1	115
62	30.75	134	126	0.000	1	115
61	30.25	134	122	0.000	1	115
60	29.75	134	118	0.000	1	115
59	29.25	134	115	0.000	1	116
58	28.75	134	111	0.000	1	116
57	28.25	134	107	0.000	1	116
56	27.75	135	104	0.000	1	116
55	27.25	135	100	0.000	0	116
54	26.75	135	96	0.000	0	116
53	26.25	135	93	0.000	0	116
52	25.75	135	90	0.000	0	117
51	25.25	135	86	0.000	0	117
50	24.75	135	83	0.000	0	117
49	24.25	136	80	0.000	0	117
48	23.75	136	77	0.000	0	117
47	23.25	136	73	0.000	0	117
46	22.75	136	70	0.000	0	117
45	22.25	136	67	0.000	0	118
44	21.75	136	65	0.000	0	118
43	21.25	137	62	0.000	0	118
42	20.75	137	59	0.000	0	118
41	20.25	137	56	0.000	0	118
40	19.75	137	53	0.000	0	118
39	19.25	137	51	0.000	0	118

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

38	18.75	137	48	0.000	0	119
37	18.25	138	46	0.000	0	119
36	17.75	138	43	0.000	0	119
35	17.25	138	41	0.000	0	119
34	16.75	138	39	0.000	0	119
33	16.25	138	36	0.000	0	119
32	15.75	138	34	0.000	0	119
31	15.25	139	32	0.000	0	119
30	14.75	139	30	0.000	0	120
29	14.25	139	28	0.000	0	120
28	13.75	139	26	0.000	0	120
27	13.25	139	24	0.000	0	120
26	12.75	139	23	0.000	0	120
25	12.25	140	21	0.000	0	120
24	11.75	140	19	0.000	0	120
23	11.25	140	18	0.000	0	121
22	10.75	140	16	0.000	0	121
21	10.25	140	15	0.000	0	121
20	9.75	140	13	0.000	0	121
19	9.25	140	12	0.000	0	121
18	8.75	141	11	0.000	0	121
17	8.25	141	10	0.000	0	121
16	7.75	118	7	0.000	0	102
15	7.25	118	6	0.000	0	102
14	6.75	118	5	0.000	0	102
13	6.25	119	5	0.000	0	102
12	5.75	119	4	0.000	0	102
11	5.25	119	3	0.000	0	103
10	4.75	119	3	0.000	0	103
9	4.25	119	2	0.000	0	103
8	3.75	119	2	0.000	0	103
7	3.25	120	1	0.000	0	103
6	2.75	120	1	0.000	0	103
5	2.25	120	1	0.000	0	103
4	1.75	120	0	0.000	0	104
3	1.25	120	0	0.000	0	104
2	0.75	120	0	0.000	0	104
1	0.25	121	0	0.000	0	104
Kaelus DBC0061F1V51-	150.00	153	3,443	0.013	17	132
Decibel DB910CE-M	150.00	16	360	0.001	2	14
Raycap DC6-48-60-18-	150.00	32	715	0.003	4	27
Raycap DC6-48-60-18-	150.00	32	715	0.003	4	27
Powerwave LGP17201	150.00	186	4,185	0.015	21	160
Ericsson RRUS 11 (Ba	150.00	165	3,713	0.014	18	142
Ericsson RRUS 32 (50	150.00	152	3,429	0.012	17	131
Ericsson RRUS 32 B2	150.00	159	3,577	0.013	18	137
Powerwave Allgon 777	150.00	105	2,363	0.009	12	91
KMW AM-X-CD-16-65-00	150.00	97	2,183	0.008	11	84
Quintel QS66512-2	150.00	333	7,493	0.027	37	287
Powerwave P65-17-XLH	150.00	50	1,125	0.004	6	43
Round Platform w/ Ha	150.00	2,000	45,000	0.164	224	1,725
RFS APXV18-206517LS-	141.00	66	1,312	0.005	7	57
Alcatel-Lucent RRH2x	131.00	317	5,447	0.020	27	274
Alcatel-Lucent 1900	131.00	180	3,089	0.011	15	155
Decibel DB844H90E-XY	131.00	84	1,442	0.005	7	72
Alcatel-Lucent TD-RR	131.00	210	3,604	0.013	18	181
RFS APXVTM14-ALU-I20	131.00	169	2,893	0.011	14	145
Commscope NNVV-65B-R	131.00	232	3,985	0.014	20	200
Round Platform w/ Ha	131.00	2,000	34,322	0.125	171	1,725
		35,073	274,918	1.000	1,368	30,249

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

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

Seismic Equivalent Lateral Forces Method

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-43.26	-1.37	0.00	-176.90	0.00	176.90	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.054
0.50	-43.11	-1.37	0.00	-176.22	0.00	176.22	3,152.93	1,576.47	4,795.55	2,368.34	0.00	0.00	0.054
1.00	-42.96	-1.37	0.00	-175.53	0.00	175.53	3,148.69	1,574.34	4,778.83	2,360.09	0.00	0.00	0.054
1.50	-42.81	-1.37	0.00	-174.85	0.00	174.85	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.01	0.054
2.00	-42.66	-1.37	0.00	-174.16	0.00	174.16	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.01	0.054
2.50	-42.51	-1.37	0.00	-173.48	0.00	173.48	3,135.89	1,567.94	4,728.75	2,335.35	0.00	-0.01	0.054
3.00	-42.36	-1.37	0.00	-172.79	0.00	172.79	3,131.60	1,565.80	4,712.08	2,327.12	0.00	-0.01	0.054
3.50	-42.22	-1.38	0.00	-172.10	0.00	172.10	3,127.31	1,563.65	4,695.42	2,318.89	0.01	-0.01	0.054
4.00	-42.07	-1.38	0.00	-171.42	0.00	171.42	3,123.00	1,561.50	4,678.77	2,310.67	0.01	-0.02	0.053
4.50	-41.92	-1.38	0.00	-170.73	0.00	170.73	3,118.68	1,559.34	4,662.14	2,302.45	0.01	-0.02	0.053
5.00	-41.77	-1.38	0.00	-170.04	0.00	170.04	3,114.35	1,557.18	4,645.51	2,294.24	0.01	-0.02	0.053
5.50	-41.63	-1.38	0.00	-169.35	0.00	169.35	3,110.02	1,555.01	4,628.91	2,286.04	0.01	-0.02	0.053
6.00	-41.48	-1.38	0.00	-168.66	0.00	168.66	3,105.67	1,552.83	4,612.31	2,277.85	0.02	-0.02	0.053
6.50	-41.33	-1.38	0.00	-167.97	0.00	167.97	3,101.31	1,550.65	4,595.73	2,269.66	0.02	-0.03	0.053
7.00	-41.19	-1.39	0.00	-167.27	0.00	167.27	3,096.94	1,548.47	4,579.16	2,261.47	0.02	-0.03	0.053
7.50	-41.04	-1.39	0.00	-166.58	0.00	166.58	3,092.56	1,546.28	4,562.60	2,253.30	0.02	-0.03	0.053
8.00	-40.87	-1.39	0.00	-165.89	0.00	165.89	3,088.17	1,544.08	4,546.06	2,245.13	0.03	-0.03	0.053
8.50	-40.69	-1.39	0.00	-165.19	0.00	165.19	3,083.77	1,541.88	4,529.53	2,236.96	0.03	-0.03	0.053
9.00	-40.52	-1.39	0.00	-164.50	0.00	164.50	3,079.36	1,539.68	4,513.01	2,228.81	0.03	-0.04	0.053
9.50	-40.34	-1.39	0.00	-163.80	0.00	163.80	3,074.94	1,537.47	4,496.51	2,220.66	0.04	-0.04	0.052
10.00	-40.17	-1.39	0.00	-163.11	0.00	163.11	3,070.50	1,535.25	4,480.02	2,212.51	0.04	-0.04	0.052
10.50	-40.00	-1.39	0.00	-162.41	0.00	162.41	3,066.06	1,533.03	4,463.54	2,204.38	0.05	-0.04	0.052
11.00	-39.83	-1.40	0.00	-161.72	0.00	161.72	3,061.61	1,530.80	4,447.08	2,196.25	0.05	-0.04	0.052
11.50	-39.65	-1.40	0.00	-161.02	0.00	161.02	3,057.15	1,528.57	4,430.63	2,188.12	0.06	-0.05	0.052
12.00	-39.48	-1.40	0.00	-160.32	0.00	160.32	3,052.67	1,526.34	4,414.20	2,180.01	0.06	-0.05	0.052
12.50	-39.31	-1.40	0.00	-159.62	0.00	159.62	3,048.19	1,524.09	4,397.78	2,171.90	0.07	-0.05	0.052
13.00	-39.13	-1.40	0.00	-158.92	0.00	158.92	3,043.69	1,521.85	4,381.37	2,163.80	0.07	-0.05	0.052
13.50	-38.96	-1.40	0.00	-158.22	0.00	158.22	3,039.19	1,519.59	4,364.98	2,155.70	0.08	-0.05	0.052
14.00	-38.79	-1.40	0.00	-157.52	0.00	157.52	3,034.67	1,517.34	4,348.61	2,147.61	0.08	-0.06	0.052
14.50	-38.62	-1.40	0.00	-156.82	0.00	156.82	3,030.15	1,515.07	4,332.24	2,139.53	0.09	-0.06	0.051
15.00	-38.45	-1.40	0.00	-156.12	0.00	156.12	3,025.61	1,512.81	4,315.90	2,131.46	0.09	-0.06	0.051
15.50	-38.28	-1.41	0.00	-155.42	0.00	155.42	3,021.07	1,510.53	4,299.57	2,123.39	0.10	-0.06	0.051
16.00	-38.11	-1.41	0.00	-154.71	0.00	154.71	3,016.51	1,508.25	4,283.25	2,115.33	0.11	-0.06	0.051
16.50	-37.93	-1.41	0.00	-154.01	0.00	154.01	3,011.94	1,505.97	4,266.95	2,107.28	0.11	-0.07	0.051
17.00	-37.76	-1.41	0.00	-153.31	0.00	153.31	3,007.37	1,503.68	4,250.66	2,099.24	0.12	-0.07	0.051
17.50	-37.59	-1.41	0.00	-152.60	0.00	152.60	3,002.78	1,501.39	4,234.39	2,091.20	0.13	-0.07	0.051
18.00	-37.42	-1.41	0.00	-151.90	0.00	151.90	2,998.18	1,499.09	4,218.13	2,083.18	0.14	-0.07	0.051
18.50	-37.25	-1.41	0.00	-151.19	0.00	151.19	2,993.57	1,496.79	4,201.89	2,075.15	0.14	-0.07	0.051
19.00	-37.08	-1.41	0.00	-150.49	0.00	150.49	2,988.95	1,494.48	4,185.66	2,067.14	0.15	-0.08	0.050
19.50	-36.91	-1.41	0.00	-149.78	0.00	149.78	2,984.32	1,492.16	4,169.45	2,059.13	0.16	-0.08	0.050
20.00	-36.74	-1.41	0.00	-149.07	0.00	149.07	2,979.68	1,489.84	4,153.25	2,051.14	0.17	-0.08	0.050
20.50	-36.57	-1.41	0.00	-148.37	0.00	148.37	2,975.03	1,487.52	4,137.08	2,043.15	0.18	-0.08	0.050
21.00	-36.41	-1.42	0.00	-147.66	0.00	147.66	2,970.37	1,485.19	4,120.91	2,035.16	0.19	-0.09	0.050
21.50	-36.24	-1.42	0.00	-146.95	0.00	146.95	2,965.70	1,482.85	4,104.77	2,027.19	0.20	-0.09	0.050
22.00	-36.07	-1.42	0.00	-146.25	0.00	146.25	2,961.02	1,480.51	4,088.63	2,019.22	0.20	-0.09	0.050
22.50	-35.90	-1.42	0.00	-145.54	0.00	145.54	2,956.33	1,478.16	4,072.52	2,011.26	0.21	-0.09	0.050
23.00	-35.73	-1.42	0.00	-144.83	0.00	144.83	2,951.62	1,475.81	4,056.42	2,003.31	0.22	-0.09	0.050
23.50	-35.56	-1.42	0.00	-144.12	0.00	144.12	2,946.91	1,473.46	4,040.34	1,995.37	0.23	-0.10	0.049
24.00	-35.39	-1.42	0.00	-143.41	0.00	143.41	2,942.19	1,471.09	4,024.27	1,987.44	0.24	-0.10	0.049
24.50	-35.23	-1.42	0.00	-142.70	0.00	142.70	2,937.46	1,468.73	4,008.22	1,979.51	0.25	-0.10	0.049
25.00	-35.06	-1.42	0.00	-141.99	0.00	141.99	2,932.71	1,466.36	3,992.19	1,971.59	0.26	-0.10	0.049
25.50	-34.89	-1.42	0.00	-141.28	0.00	141.28	2,927.96	1,463.98	3,976.18	1,963.68	0.28	-0.10	0.049
26.00	-34.72	-1.42	0.00	-140.57	0.00	140.57	2,923.19	1,461.60	3,960.18	1,955.78	0.29	-0.11	0.049
26.50	-34.56	-1.42	0.00	-139.86	0.00	139.86	2,918.42	1,459.21	3,944.20	1,947.89	0.30	-0.11	0.049
27.00	-34.39	-1.42	0.00	-139.15	0.00	139.15	2,913.63	1,456.82	3,928.23	1,940.01	0.31	-0.11	0.049
27.50	-34.22	-1.42	0.00	-138.44	0.00	138.44	2,910.08	1,455.04	3,913.96	1,932.96	0.32	-0.11	0.049

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

28.00	-34.06	-1.42	0.00	-137.73	0.00	137.73	2,903.11	1,451.55	3,895.11	1,923.65	0.33	-0.11	0.048
28.50	-33.89	-1.42	0.00	-137.01	0.00	137.01	2,896.13	1,448.07	3,876.32	1,914.37	0.34	-0.12	0.048
29.00	-33.73	-1.42	0.00	-136.30	0.00	136.30	2,889.16	1,444.58	3,857.57	1,905.11	0.36	-0.12	0.048
29.50	-33.56	-1.42	0.00	-135.59	0.00	135.59	2,882.19	1,441.09	3,838.86	1,895.87	0.37	-0.12	0.048
30.00	-33.40	-1.42	0.00	-134.88	0.00	134.88	2,875.21	1,437.61	3,820.20	1,886.65	0.38	-0.12	0.048
30.50	-33.23	-1.42	0.00	-134.17	0.00	134.17	2,868.24	1,434.12	3,801.59	1,877.46	0.40	-0.13	0.048
31.00	-33.06	-1.42	0.00	-133.45	0.00	133.45	2,861.26	1,430.63	3,783.02	1,868.29	0.41	-0.13	0.048
31.50	-32.83	-1.42	0.00	-132.74	0.00	132.74	2,854.29	1,427.15	3,764.50	1,859.14	0.42	-0.13	0.048
32.00	-32.60	-1.42	0.00	-132.03	0.00	132.03	2,847.32	1,423.66	3,746.02	1,850.02	0.44	-0.13	0.047
32.50	-32.36	-1.42	0.00	-131.32	0.00	131.32	2,840.34	1,420.17	3,727.58	1,840.91	0.45	-0.13	0.047
33.00	-32.13	-1.42	0.00	-130.61	0.00	130.61	2,833.37	1,416.69	3,709.20	1,831.83	0.46	-0.14	0.047
33.50	-31.90	-1.42	0.00	-129.89	0.00	129.89	2,826.40	1,413.20	3,690.85	1,822.77	0.48	-0.14	0.047
34.00	-31.66	-1.42	0.00	-129.18	0.00	129.18	2,819.42	1,409.71	3,672.56	1,813.74	0.49	-0.14	0.047
34.50	-31.43	-1.42	0.00	-128.47	0.00	128.47	2,812.45	1,406.22	3,654.31	1,804.72	0.51	-0.14	0.047
35.00	-31.20	-1.42	0.00	-127.76	0.00	127.76	2,805.48	1,402.74	3,636.10	1,795.73	0.52	-0.14	0.046
35.50	-31.12	-1.42	0.00	-127.05	0.00	127.05	2,798.50	1,399.25	3,617.94	1,786.76	0.54	-0.15	0.046
35.67	-31.02	-1.42	0.00	-126.81	0.00	126.81	2,248.07	1,124.03	2,973.91	1,468.70	0.54	-0.15	0.053
36.00	-30.87	-1.42	0.00	-126.34	0.00	126.34	2,245.83	1,122.91	2,966.06	1,464.83	0.55	-0.15	0.053
36.50	-30.82	-1.42	0.00	-125.63	0.00	125.63	2,242.46	1,121.23	2,954.30	1,459.02	0.57	-0.15	0.053
36.67	-30.73	-1.42	0.00	-125.39	0.00	125.39	2,241.31	1,120.65	2,950.31	1,457.05	0.57	-0.15	0.053
36.67	-30.73	-1.42	0.00	-125.39	0.00	125.39	2,241.31	1,120.65	2,950.31	1,457.05	0.57	-0.15	0.057
37.00	-30.58	-1.42	0.00	-124.92	0.00	124.92	2,239.08	1,119.54	2,942.55	1,453.22	0.58	-0.15	0.057
37.50	-30.44	-1.42	0.00	-124.21	0.00	124.21	2,235.69	1,117.84	2,930.81	1,447.42	0.60	-0.16	0.057
38.00	-30.30	-1.42	0.00	-123.50	0.00	123.50	2,232.29	1,116.14	2,919.08	1,441.62	0.62	-0.16	0.056
38.50	-30.15	-1.42	0.00	-122.79	0.00	122.79	2,228.88	1,114.44	2,907.36	1,435.83	0.63	-0.16	0.056
39.00	-30.01	-1.42	0.00	-122.08	0.00	122.08	2,225.46	1,112.73	2,895.64	1,430.05	0.65	-0.16	0.056
39.50	-29.87	-1.42	0.00	-121.36	0.00	121.36	2,222.03	1,111.01	2,883.93	1,424.27	0.67	-0.16	0.056
40.00	-29.73	-1.42	0.00	-120.65	0.00	120.65	2,218.59	1,109.29	2,872.23	1,418.49	0.69	-0.17	0.056
40.50	-29.59	-1.42	0.00	-119.94	0.00	119.94	2,215.14	1,107.57	2,860.55	1,412.72	0.70	-0.17	0.056
41.00	-29.44	-1.42	0.00	-119.23	0.00	119.23	2,211.67	1,105.84	2,848.87	1,406.95	0.72	-0.17	0.055
41.50	-29.30	-1.42	0.00	-118.52	0.00	118.52	2,208.20	1,104.10	2,837.20	1,401.18	0.74	-0.17	0.055
42.00	-29.16	-1.42	0.00	-117.81	0.00	117.81	2,204.72	1,102.36	2,825.53	1,395.43	0.76	-0.18	0.055
42.50	-29.02	-1.42	0.00	-117.10	0.00	117.10	2,201.23	1,100.61	2,813.88	1,389.67	0.78	-0.18	0.055
43.00	-28.88	-1.42	0.00	-116.39	0.00	116.39	2,197.72	1,098.86	2,802.24	1,383.92	0.79	-0.18	0.055
43.50	-28.74	-1.42	0.00	-115.68	0.00	115.68	2,194.21	1,097.10	2,790.61	1,378.18	0.81	-0.18	0.054
44.00	-28.60	-1.42	0.00	-114.97	0.00	114.97	2,190.68	1,095.34	2,778.98	1,372.44	0.83	-0.19	0.054
44.50	-28.46	-1.42	0.00	-114.26	0.00	114.26	2,187.15	1,093.57	2,767.37	1,366.70	0.85	-0.19	0.054
45.00	-28.32	-1.42	0.00	-113.55	0.00	113.55	2,183.60	1,091.80	2,755.77	1,360.97	0.87	-0.19	0.054
45.50	-28.18	-1.42	0.00	-112.84	0.00	112.84	2,180.05	1,090.02	2,744.17	1,355.24	0.89	-0.19	0.054
46.00	-28.04	-1.42	0.00	-112.13	0.00	112.13	2,176.48	1,088.24	2,732.59	1,349.52	0.91	-0.20	0.054
46.50	-27.90	-1.42	0.00	-111.43	0.00	111.43	2,172.91	1,086.45	2,721.02	1,343.81	0.93	-0.20	0.053
47.00	-27.76	-1.42	0.00	-110.72	0.00	110.72	2,169.32	1,084.66	2,709.45	1,338.10	0.96	-0.20	0.053
47.50	-27.62	-1.42	0.00	-110.01	0.00	110.01	2,165.72	1,082.86	2,697.90	1,332.39	0.98	-0.20	0.053
48.00	-27.48	-1.42	0.00	-109.30	0.00	109.30	2,162.11	1,081.06	2,686.36	1,326.69	1.00	-0.21	0.053
48.50	-27.34	-1.41	0.00	-108.59	0.00	108.59	2,158.50	1,079.25	2,674.83	1,321.00	1.02	-0.21	0.053
49.00	-27.20	-1.41	0.00	-107.89	0.00	107.89	2,154.87	1,077.43	2,663.31	1,315.31	1.04	-0.21	0.052
49.50	-27.06	-1.41	0.00	-107.18	0.00	107.18	2,151.23	1,075.61	2,651.80	1,309.62	1.06	-0.21	0.052
50.00	-26.92	-1.41	0.00	-106.47	0.00	106.47	2,147.58	1,073.79	2,640.30	1,303.95	1.09	-0.22	0.052
50.50	-26.78	-1.41	0.00	-105.77	0.00	105.77	2,143.92	1,071.96	2,628.81	1,298.27	1.11	-0.22	0.052
51.00	-26.64	-1.41	0.00	-105.06	0.00	105.06	2,140.25	1,070.13	2,617.34	1,292.60	1.13	-0.22	0.052
51.50	-26.50	-1.41	0.00	-104.35	0.00	104.35	2,136.57	1,068.29	2,605.87	1,286.94	1.16	-0.22	0.051
52.00	-26.37	-1.41	0.00	-103.65	0.00	103.65	2,132.88	1,066.44	2,594.42	1,281.29	1.18	-0.23	0.051
52.50	-26.23	-1.41	0.00	-102.95	0.00	102.95	2,129.18	1,064.59	2,582.98	1,275.64	1.20	-0.23	0.051
53.00	-26.09	-1.41	0.00	-102.24	0.00	102.24	2,125.47	1,062.73	2,571.55	1,269.99	1.23	-0.23	0.051
53.50	-25.95	-1.41	0.00	-101.54	0.00	101.54	2,121.75	1,060.87	2,560.13	1,264.35	1.25	-0.23	0.051
54.00	-25.82	-1.40	0.00	-100.84	0.00	100.84	2,118.01	1,059.01	2,548.72	1,258.72	1.28	-0.24	0.050
54.50	-25.68	-1.40	0.00	-100.13	0.00	100.13	2,114.27	1,057.14	2,537.32	1,253.09	1.30	-0.24	0.050
55.00	-25.54	-1.40	0.00	-99.43	0.00	99.43	2,110.52	1,055.26	2,525.94	1,247.47	1.32	-0.24	0.050
55.50	-25.40	-1.40	0.00	-98.73	0.00	98.73	2,106.75	1,053.38	2,514.57	1,241.85	1.35	-0.24	0.050
56.00	-25.27	-1.40	0.00	-98.03	0.00	98.03	2,102.98	1,051.49	2,503.21	1,236.24	1.38	-0.24	0.050
56.50	-25.13	-1.40	0.00	-97.33	0.00	97.33	2,099.20	1,049.60	2,491.86	1,230.64	1.40	-0.25	0.049
57.00	-24.99	-1.40	0.00	-96.63	0.00	96.63	2,095.40	1,047.70	2,480.53	1,225.04	1.43	-0.25	0.049
57.50	-24.86	-1.40	0.00	-95.93	0.00	95.93	2,091.60	1,045.80	2,469.21	1,219.45	1.45	-0.25	0.049
58.00	-24.72	-1.39	0.00	-95.23	0.00	95.23	2,087.78	1,043.89	2,457.90	1,213.86	1.48	-0.25	0.049

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

58.50	-24.59	-1.39	0.00	-94.54	0.00	94.54	2,083.96	1,041.98	2,446.60	1,208.28	1.51	-0.26	0.049
59.00	-24.45	-1.39	0.00	-93.84	0.00	93.84	2,080.12	1,040.06	2,435.32	1,202.71	1.53	-0.26	0.048
59.50	-24.31	-1.39	0.00	-93.14	0.00	93.14	2,076.27	1,038.14	2,424.04	1,197.14	1.56	-0.26	0.048
60.00	-24.18	-1.39	0.00	-92.45	0.00	92.45	2,072.41	1,036.21	2,412.79	1,191.58	1.59	-0.26	0.048
60.50	-24.04	-1.39	0.00	-91.75	0.00	91.75	2,068.55	1,034.27	2,401.54	1,186.03	1.62	-0.27	0.048
61.00	-23.91	-1.39	0.00	-91.06	0.00	91.06	2,064.67	1,032.33	2,390.31	1,180.48	1.64	-0.27	0.047
61.50	-23.77	-1.38	0.00	-90.37	0.00	90.37	2,060.78	1,030.39	2,379.09	1,174.94	1.67	-0.27	0.047
62.00	-23.64	-1.38	0.00	-89.68	0.00	89.68	2,056.88	1,028.44	2,367.88	1,169.41	1.70	-0.27	0.047
62.50	-23.50	-1.38	0.00	-88.99	0.00	88.99	2,052.97	1,026.49	2,356.69	1,163.88	1.73	-0.28	0.047
63.00	-23.37	-1.38	0.00	-88.30	0.00	88.30	2,049.05	1,024.53	2,345.51	1,158.36	1.76	-0.28	0.047
63.50	-23.24	-1.38	0.00	-87.61	0.00	87.61	2,045.12	1,022.56	2,334.35	1,152.85	1.79	-0.28	0.046
64.00	-23.10	-1.37	0.00	-86.92	0.00	86.92	2,041.18	1,020.59	2,323.20	1,147.34	1.82	-0.28	0.046
64.50	-22.97	-1.37	0.00	-86.23	0.00	86.23	2,037.23	1,018.62	2,312.06	1,141.84	1.85	-0.29	0.046
65.00	-22.83	-1.37	0.00	-85.55	0.00	85.55	2,033.27	1,016.64	2,300.94	1,136.35	1.88	-0.29	0.046
65.50	-22.70	-1.37	0.00	-84.86	0.00	84.86	2,029.30	1,014.65	2,289.83	1,130.86	1.91	-0.29	0.046
66.00	-22.57	-1.37	0.00	-84.18	0.00	84.18	2,025.32	1,012.66	2,278.74	1,125.38	1.94	-0.29	0.045
66.50	-22.43	-1.36	0.00	-83.49	0.00	83.49	2,021.33	1,010.66	2,267.65	1,119.91	1.97	-0.30	0.045
67.00	-22.30	-1.36	0.00	-82.81	0.00	82.81	2,016.97	1,008.48	2,256.19	1,114.25	2.00	-0.30	0.045
67.50	-22.17	-1.36	0.00	-82.13	0.00	82.13	2,011.16	1,005.58	2,243.13	1,107.80	2.03	-0.30	0.045
68.00	-22.03	-1.36	0.00	-81.45	0.00	81.45	2,005.34	1,002.67	2,230.12	1,101.37	2.06	-0.30	0.045
68.50	-21.90	-1.36	0.00	-80.77	0.00	80.77	1,999.53	999.77	2,217.14	1,094.96	2.10	-0.30	0.044
69.00	-21.77	-1.35	0.00	-80.09	0.00	80.09	1,993.72	996.86	2,204.19	1,088.57	2.13	-0.31	0.044
69.50	-21.64	-1.35	0.00	-79.42	0.00	79.42	1,987.91	993.96	2,191.29	1,082.20	2.16	-0.31	0.044
70.00	-21.46	-1.35	0.00	-78.74	0.00	78.74	1,982.10	991.05	2,178.42	1,075.84	2.19	-0.31	0.044
70.50	-21.28	-1.34	0.00	-78.07	0.00	78.07	1,976.29	988.14	2,165.59	1,069.51	2.23	-0.31	0.043
71.00	-21.10	-1.34	0.00	-77.40	0.00	77.40	1,970.48	985.24	2,152.80	1,063.19	2.26	-0.32	0.043
71.50	-20.93	-1.34	0.00	-76.73	0.00	76.73	1,964.67	982.33	2,140.05	1,056.89	2.29	-0.32	0.043
72.00	-20.75	-1.33	0.00	-76.06	0.00	76.06	1,958.85	979.43	2,127.34	1,050.61	2.32	-0.32	0.042
72.50	-20.57	-1.33	0.00	-75.39	0.00	75.39	1,953.04	976.52	2,114.66	1,044.35	2.36	-0.32	0.042
73.00	-20.46	-1.33	0.00	-74.73	0.00	74.73	1,947.23	973.62	2,102.02	1,038.11	2.39	-0.33	0.042
73.33	-20.40	-1.32	0.00	-74.29	0.00	74.29	1,943.40	971.70	2,093.70	1,034.00	2.42	-0.33	0.042
73.33	-20.40	-1.32	0.00	-74.29	0.00	74.29	1,943.40	971.70	2,093.70	1,034.00	2.42	-0.33	0.046
73.50	-20.29	-1.32	0.00	-74.07	0.00	74.07	1,473.96	736.98	1,624.57	802.32	2.43	-0.33	0.054
74.00	-20.17	-1.32	0.00	-73.41	0.00	73.41	1,471.41	735.71	1,616.97	798.56	2.46	-0.33	0.054
74.50	-20.06	-1.32	0.00	-72.75	0.00	72.75	1,468.85	734.43	1,609.36	794.80	2.50	-0.33	0.054
75.00	-19.95	-1.31	0.00	-72.09	0.00	72.09	1,466.28	733.14	1,601.77	791.05	2.53	-0.34	0.053
75.50	-19.83	-1.31	0.00	-71.43	0.00	71.43	1,463.70	731.85	1,594.18	787.30	2.57	-0.34	0.053
76.00	-19.72	-1.31	0.00	-70.78	0.00	70.78	1,461.11	730.55	1,586.59	783.56	2.60	-0.34	0.053
76.50	-19.61	-1.31	0.00	-70.12	0.00	70.12	1,458.51	729.25	1,579.01	779.81	2.64	-0.34	0.053
77.00	-19.50	-1.31	0.00	-69.47	0.00	69.47	1,455.89	727.95	1,571.44	776.07	2.67	-0.35	0.052
77.50	-19.39	-1.30	0.00	-68.81	0.00	68.81	1,453.27	726.64	1,563.87	772.34	2.71	-0.35	0.052
78.00	-19.27	-1.30	0.00	-68.16	0.00	68.16	1,450.64	725.32	1,556.31	768.60	2.75	-0.35	0.052
78.50	-19.16	-1.30	0.00	-67.51	0.00	67.51	1,447.99	724.00	1,548.75	764.87	2.78	-0.35	0.051
79.00	-19.05	-1.30	0.00	-66.86	0.00	66.86	1,445.34	722.67	1,541.20	761.14	2.82	-0.36	0.051
79.50	-18.94	-1.29	0.00	-66.22	0.00	66.22	1,442.68	721.34	1,533.65	757.41	2.86	-0.36	0.051
80.00	-18.83	-1.29	0.00	-65.57	0.00	65.57	1,440.00	720.00	1,526.12	753.69	2.90	-0.36	0.050
80.50	-18.72	-1.29	0.00	-64.93	0.00	64.93	1,437.32	718.66	1,518.59	749.97	2.94	-0.37	0.050
81.00	-18.61	-1.28	0.00	-64.28	0.00	64.28	1,434.62	717.31	1,511.06	746.26	2.97	-0.37	0.050
81.50	-18.49	-1.28	0.00	-63.64	0.00	63.64	1,431.91	715.96	1,503.54	742.54	3.01	-0.37	0.049
82.00	-18.38	-1.28	0.00	-63.00	0.00	63.00	1,429.20	714.60	1,496.03	738.83	3.05	-0.37	0.049
82.50	-18.27	-1.28	0.00	-62.36	0.00	62.36	1,426.47	713.23	1,488.53	735.13	3.09	-0.38	0.049
83.00	-18.16	-1.27	0.00	-61.72	0.00	61.72	1,423.73	711.87	1,481.03	731.43	3.13	-0.38	0.048
83.50	-18.05	-1.27	0.00	-61.09	0.00	61.09	1,420.98	710.49	1,473.54	727.73	3.17	-0.38	0.048
84.00	-17.94	-1.27	0.00	-60.45	0.00	60.45	1,418.23	709.11	1,466.06	724.03	3.21	-0.38	0.048
84.50	-17.83	-1.26	0.00	-59.82	0.00	59.82	1,415.46	707.73	1,458.58	720.34	3.25	-0.39	0.047
85.00	-17.72	-1.26	0.00	-59.19	0.00	59.19	1,412.68	706.34	1,451.11	716.65	3.29	-0.39	0.047
85.50	-17.61	-1.26	0.00	-58.56	0.00	58.56	1,409.89	704.94	1,443.65	712.97	3.33	-0.39	0.047
86.00	-17.50	-1.25	0.00	-57.93	0.00	57.93	1,407.09	703.54	1,436.20	709.28	3.37	-0.39	0.046
86.50	-17.39	-1.25	0.00	-57.30	0.00	57.30	1,404.28	702.14	1,428.75	705.61	3.41	-0.40	0.046
87.00	-17.28	-1.25	0.00	-56.67	0.00	56.67	1,401.46	700.73	1,421.32	701.93	3.46	-0.40	0.046
87.50	-17.17	-1.24	0.00	-56.05	0.00	56.05	1,398.63	699.31	1,413.89	698.26	3.50	-0.40	0.045
88.00	-17.06	-1.24	0.00	-55.43	0.00	55.43	1,395.79	697.89	1,406.46	694.60	3.54	-0.40	0.045
88.50	-16.96	-1.24	0.00	-54.81	0.00	54.81	1,392.93	696.47	1,399.05	690.94	3.58	-0.41	0.045
89.00	-16.85	-1.23	0.00	-54.19	0.00	54.19	1,390.07	695.04	1,391.64	687.28	3.63	-0.41	0.044

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

89.50	-16.74	-1.23	0.00	-53.57	0.00	53.57	1,387.20	693.60	1,384.25	683.63	3.67	-0.41	0.044
90.00	-16.63	-1.23	0.00	-52.96	0.00	52.96	1,384.32	692.16	1,376.86	679.98	3.71	-0.41	0.044
90.50	-16.52	-1.22	0.00	-52.35	0.00	52.35	1,381.42	690.71	1,369.48	676.33	3.75	-0.42	0.043
91.00	-16.41	-1.22	0.00	-51.73	0.00	51.73	1,378.52	689.26	1,362.10	672.69	3.80	-0.42	0.043
91.50	-16.30	-1.22	0.00	-51.13	0.00	51.13	1,375.61	687.80	1,354.74	669.06	3.84	-0.42	0.043
92.00	-16.20	-1.21	0.00	-50.52	0.00	50.52	1,372.68	686.34	1,347.39	665.42	3.89	-0.42	0.042
92.50	-16.09	-1.21	0.00	-49.91	0.00	49.91	1,369.75	684.87	1,340.04	661.80	3.93	-0.43	0.042
93.00	-15.98	-1.20	0.00	-49.31	0.00	49.31	1,366.80	683.40	1,332.70	658.17	3.98	-0.43	0.041
93.50	-15.87	-1.20	0.00	-48.71	0.00	48.71	1,363.85	681.92	1,325.38	654.55	4.02	-0.43	0.041
94.00	-15.76	-1.20	0.00	-48.11	0.00	48.11	1,360.88	680.44	1,318.06	650.94	4.07	-0.43	0.041
94.50	-15.66	-1.19	0.00	-47.51	0.00	47.51	1,357.90	678.95	1,310.75	647.33	4.11	-0.44	0.040
95.00	-15.55	-1.19	0.00	-46.91	0.00	46.91	1,354.92	677.46	1,303.45	643.72	4.16	-0.44	0.040
95.50	-15.44	-1.18	0.00	-46.32	0.00	46.32	1,351.92	675.96	1,296.16	640.12	4.20	-0.44	0.040
96.00	-15.34	-1.18	0.00	-45.73	0.00	45.73	1,348.91	674.46	1,288.88	636.53	4.25	-0.44	0.039
96.50	-15.23	-1.18	0.00	-45.14	0.00	45.14	1,345.89	672.95	1,281.61	632.94	4.30	-0.45	0.039
97.00	-15.12	-1.17	0.00	-44.55	0.00	44.55	1,342.86	671.43	1,274.35	629.35	4.34	-0.45	0.039
97.50	-15.02	-1.17	0.00	-43.96	0.00	43.96	1,339.82	669.91	1,267.09	625.77	4.39	-0.45	0.038
98.00	-14.91	-1.16	0.00	-43.38	0.00	43.38	1,336.78	668.39	1,259.85	622.19	4.44	-0.45	0.038
98.50	-14.80	-1.16	0.00	-42.80	0.00	42.80	1,333.72	666.86	1,252.62	618.62	4.49	-0.45	0.038
99.00	-14.70	-1.15	0.00	-42.22	0.00	42.22	1,330.65	665.32	1,245.40	615.06	4.53	-0.46	0.037
99.50	-14.59	-1.15	0.00	-41.64	0.00	41.64	1,327.57	663.78	1,238.19	611.50	4.58	-0.46	0.037
100.00	-14.48	-1.14	0.00	-41.07	0.00	41.07	1,324.47	662.24	1,230.99	607.94	4.63	-0.46	0.037
100.50	-14.38	-1.14	0.00	-40.50	0.00	40.50	1,321.37	660.69	1,223.80	604.39	4.68	-0.46	0.036
101.00	-14.27	-1.14	0.00	-39.93	0.00	39.93	1,318.26	659.13	1,216.62	600.84	4.73	-0.47	0.036
101.50	-14.17	-1.13	0.00	-39.36	0.00	39.36	1,315.14	657.57	1,209.45	597.30	4.78	-0.47	0.036
102.00	-14.06	-1.13	0.00	-38.79	0.00	38.79	1,312.01	656.00	1,202.30	593.77	4.83	-0.47	0.035
102.50	-13.96	-1.12	0.00	-38.23	0.00	38.23	1,308.86	654.43	1,195.15	590.24	4.87	-0.47	0.035
103.00	-13.85	-1.12	0.00	-37.67	0.00	37.67	1,305.71	652.86	1,188.02	586.72	4.92	-0.48	0.034
103.50	-13.75	-1.11	0.00	-37.11	0.00	37.11	1,302.55	651.27	1,180.89	583.20	4.97	-0.48	0.034
104.00	-13.64	-1.11	0.00	-36.56	0.00	36.56	1,299.37	649.69	1,173.78	579.69	5.02	-0.48	0.034
104.50	-13.54	-1.10	0.00	-36.00	0.00	36.00	1,296.19	648.09	1,166.68	576.18	5.07	-0.48	0.033
105.00	-13.43	-1.10	0.00	-35.45	0.00	35.45	1,292.99	646.50	1,159.59	572.68	5.13	-0.48	0.033
105.50	-13.33	-1.09	0.00	-34.91	0.00	34.91	1,289.98	644.49	1,151.78	568.82	5.18	-0.49	0.033
106.00	-13.22	-1.09	0.00	-34.36	0.00	34.36	1,284.33	642.16	1,143.44	564.70	5.23	-0.49	0.032
106.50	-13.12	-1.08	0.00	-33.82	0.00	33.82	1,279.68	639.84	1,135.13	560.60	5.28	-0.49	0.032
107.00	-13.01	-1.08	0.00	-33.28	0.00	33.28	1,275.03	637.51	1,126.85	556.51	5.33	-0.49	0.032
107.50	-12.91	-1.07	0.00	-32.74	0.00	32.74	1,270.38	635.19	1,118.60	552.44	5.38	-0.49	0.031
108.00	-12.81	-1.07	0.00	-32.20	0.00	32.20	1,265.73	632.87	1,110.38	548.38	5.43	-0.50	0.031
108.50	-12.70	-1.06	0.00	-31.67	0.00	31.67	1,261.08	630.54	1,102.19	544.33	5.49	-0.50	0.031
109.00	-12.60	-1.05	0.00	-31.14	0.00	31.14	1,256.43	628.22	1,094.04	540.30	5.54	-0.50	0.030
109.50	-12.50	-1.05	0.00	-30.61	0.00	30.61	1,251.78	625.89	1,085.91	536.29	5.59	-0.50	0.030
110.00	-12.41	-1.04	0.00	-30.09	0.00	30.09	1,247.14	623.57	1,077.81	532.29	5.64	-0.50	0.030
110.00	-12.41	-1.04	0.00	-30.09	0.00	30.09	853.24	426.62	741.79	366.34	5.64	-0.50	0.000
110.50	-12.32	-1.04	0.00	-29.57	0.00	29.57	851.46	425.73	737.46	364.21	5.70	-0.51	0.041
111.00	-12.24	-1.04	0.00	-29.05	0.00	29.05	849.67	424.84	733.15	362.07	5.75	-0.51	0.041
111.50	-12.15	-1.03	0.00	-28.53	0.00	28.53	847.87	423.94	728.83	359.94	5.80	-0.51	0.040
112.00	-12.06	-1.03	0.00	-28.01	0.00	28.01	846.07	423.03	724.52	357.81	5.86	-0.51	0.040
112.50	-11.98	-1.02	0.00	-27.50	0.00	27.50	844.25	422.12	720.21	355.68	5.91	-0.52	0.039
113.00	-11.89	-1.02	0.00	-26.99	0.00	26.99	842.42	421.21	715.90	353.56	5.96	-0.52	0.039
113.50	-11.81	-1.01	0.00	-26.48	0.00	26.48	840.58	420.29	711.60	351.43	6.02	-0.52	0.038
114.00	-11.72	-1.01	0.00	-25.98	0.00	25.98	838.73	419.36	707.30	349.31	6.07	-0.52	0.038
114.50	-11.64	-1.00	0.00	-25.47	0.00	25.47	836.87	418.43	703.00	347.19	6.13	-0.53	0.037
115.00	-11.55	-1.00	0.00	-24.97	0.00	24.97	834.99	417.50	698.71	345.06	6.18	-0.53	0.036
115.50	-11.46	-0.99	0.00	-24.47	0.00	24.47	833.11	416.56	694.42	342.95	6.24	-0.53	0.036
116.00	-11.38	-0.99	0.00	-23.98	0.00	23.98	831.22	415.61	690.13	340.83	6.30	-0.53	0.035
116.50	-11.33	-0.98	0.00	-23.48	0.00	23.48	829.32	414.66	685.85	338.71	6.35	-0.53	0.035
116.50	-11.33	-0.98	0.00	-23.48	0.00	23.48	829.32	414.66	685.85	338.71	6.35	-0.53	0.083
117.00	-11.27	-0.98	0.00	-22.99	0.00	22.99	827.41	413.70	681.57	336.60	6.41	-0.54	0.082
117.50	-11.22	-0.98	0.00	-22.50	0.00	22.50	825.48	412.74	677.29	334.49	6.46	-0.54	0.081
118.00	-11.16	-0.98	0.00	-22.01	0.00	22.01	823.55	411.77	673.02	332.38	6.52	-0.55	0.080
118.50	-11.11	-0.97	0.00	-21.52	0.00	21.52	821.61	410.80	668.75	330.27	6.58	-0.55	0.079
119.00	-11.06	-0.97	0.00	-21.03	0.00	21.03	819.65	409.83	664.49	328.17	6.64	-0.56	0.078
119.50	-11.01	-0.97	0.00	-20.55	0.00	20.55	817.69	408.84	660.23	326.06	6.70	-0.56	0.076
120.00	-10.95	-0.97	0.00	-20.06	0.00	20.06	815.71	407.86	655.98	323.96	6.75	-0.57	0.075

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

120.50	-10.90	-0.96	0.00	-19.58	0.00	19.58	813.73	406.86	651.73	321.87	6.81	-0.57	0.074
121.00	-10.85	-0.96	0.00	-19.10	0.00	19.10	811.73	405.86	647.49	319.77	6.87	-0.58	0.073
121.50	-10.79	-0.96	0.00	-18.62	0.00	18.62	809.72	404.86	643.25	317.68	6.94	-0.58	0.072
122.00	-10.74	-0.96	0.00	-18.14	0.00	18.14	807.71	403.85	639.01	315.58	7.00	-0.59	0.071
122.50	-10.69	-0.95	0.00	-17.66	0.00	17.66	805.68	402.84	634.78	313.49	7.06	-0.59	0.070
123.00	-10.64	-0.95	0.00	-17.18	0.00	17.18	803.64	401.82	630.56	311.41	7.12	-0.60	0.068
123.50	-10.58	-0.95	0.00	-16.71	0.00	16.71	801.59	400.80	626.34	309.32	7.18	-0.60	0.067
124.00	-10.53	-0.94	0.00	-16.23	0.00	16.23	799.54	399.77	622.12	307.24	7.25	-0.61	0.066
124.50	-10.48	-0.94	0.00	-15.76	0.00	15.76	797.47	398.73	617.91	305.16	7.31	-0.61	0.065
125.00	-10.43	-0.94	0.00	-15.29	0.00	15.29	795.39	397.69	613.71	303.09	7.37	-0.61	0.064
125.50	-10.38	-0.94	0.00	-14.82	0.00	14.82	793.30	396.65	609.51	301.01	7.44	-0.62	0.062
126.00	-10.32	-0.93	0.00	-14.36	0.00	14.36	791.20	395.60	605.32	298.94	7.50	-0.62	0.061
126.50	-10.27	-0.93	0.00	-13.89	0.00	13.89	789.09	394.54	601.13	296.88	7.57	-0.63	0.060
127.00	-10.22	-0.93	0.00	-13.42	0.00	13.42	786.97	393.48	596.95	294.81	7.63	-0.63	0.059
127.50	-10.17	-0.92	0.00	-12.96	0.00	12.96	784.84	392.42	592.78	292.75	7.70	-0.63	0.057
128.00	-10.12	-0.92	0.00	-12.50	0.00	12.50	782.69	391.35	588.61	290.69	7.77	-0.64	0.056
128.50	-10.07	-0.92	0.00	-12.04	0.00	12.04	780.54	390.27	584.44	288.64	7.83	-0.64	0.055
129.00	-10.02	-0.91	0.00	-11.58	0.00	11.58	778.38	389.19	580.29	286.58	7.90	-0.65	0.053
129.50	-9.96	-0.91	0.00	-11.13	0.00	11.13	776.21	388.10	576.14	284.53	7.97	-0.65	0.052
130.00	-9.91	-0.91	0.00	-10.67	0.00	10.67	774.02	387.01	572.00	282.49	8.04	-0.65	0.051
130.50	-9.86	-0.90	0.00	-10.22	0.00	10.22	771.83	385.91	567.86	280.44	8.11	-0.66	0.049
131.00	-5.87	-0.58	0.00	-9.77	0.00	9.77	769.63	384.81	563.73	278.40	8.18	-0.66	0.043
131.50	-5.83	-0.58	0.00	-9.48	0.00	9.48	767.41	383.71	559.60	276.37	8.24	-0.66	0.042
132.00	-5.78	-0.57	0.00	-9.19	0.00	9.19	765.19	382.59	555.49	274.33	8.31	-0.67	0.041
132.50	-5.74	-0.57	0.00	-8.90	0.00	8.90	762.95	381.48	551.38	272.31	8.38	-0.67	0.040
133.00	-5.70	-0.57	0.00	-8.62	0.00	8.62	760.71	380.35	547.28	270.28	8.45	-0.67	0.039
133.50	-5.65	-0.56	0.00	-8.33	0.00	8.33	758.45	379.23	543.18	268.26	8.52	-0.67	0.039
134.00	-5.61	-0.56	0.00	-8.05	0.00	8.05	756.18	378.09	539.09	266.24	8.60	-0.68	0.038
134.50	-5.57	-0.56	0.00	-7.77	0.00	7.77	753.91	376.95	535.01	264.22	8.67	-0.68	0.037
135.00	-5.53	-0.55	0.00	-7.49	0.00	7.49	751.62	375.81	530.94	262.21	8.74	-0.68	0.036
135.50	-5.48	-0.55	0.00	-7.21	0.00	7.21	749.32	374.66	526.87	260.20	8.81	-0.69	0.035
136.00	-5.44	-0.55	0.00	-6.94	0.00	6.94	747.01	373.51	522.82	258.20	8.88	-0.69	0.034
136.50	-5.40	-0.54	0.00	-6.66	0.00	6.66	744.70	372.35	518.77	256.20	8.95	-0.69	0.033
137.00	-5.36	-0.54	0.00	-6.39	0.00	6.39	742.37	371.18	514.72	254.20	9.03	-0.69	0.032
137.50	-5.31	-0.54	0.00	-6.12	0.00	6.12	740.03	370.01	510.69	252.21	9.10	-0.70	0.031
138.00	-5.27	-0.53	0.00	-5.85	0.00	5.85	737.68	368.84	506.66	250.22	9.17	-0.70	0.031
138.50	-5.23	-0.53	0.00	-5.58	0.00	5.58	735.32	367.66	502.65	248.24	9.25	-0.70	0.030
139.00	-5.19	-0.53	0.00	-5.32	0.00	5.32	732.95	366.47	498.64	246.26	9.32	-0.70	0.029
139.50	-5.15	-0.52	0.00	-5.06	0.00	5.06	730.57	365.28	494.64	244.28	9.39	-0.70	0.028
140.00	-5.10	-0.52	0.00	-4.79	0.00	4.79	728.18	364.09	490.64	242.31	9.47	-0.71	0.027
140.50	-5.06	-0.52	0.00	-4.53	0.00	4.53	725.44	362.72	486.44	240.23	9.54	-0.71	0.026
141.00	-4.94	-0.51	0.00	-4.28	0.00	4.28	721.95	360.98	481.74	237.92	9.61	-0.71	0.025
141.50	-4.90	-0.50	0.00	-4.02	0.00	4.02	718.47	359.23	477.08	235.61	9.69	-0.71	0.024
142.00	-4.86	-0.50	0.00	-3.77	0.00	3.77	714.98	357.49	472.43	233.32	9.76	-0.71	0.023
142.50	-4.83	-0.49	0.00	-3.52	0.00	3.52	711.49	355.75	467.81	231.03	9.84	-0.72	0.022
143.00	-4.79	-0.49	0.00	-3.28	0.00	3.28	708.01	354.00	463.21	228.76	9.91	-0.72	0.021
143.50	-4.75	-0.49	0.00	-3.03	0.00	3.03	704.52	352.26	458.63	226.50	9.99	-0.72	0.020
144.00	-4.71	-0.48	0.00	-2.79	0.00	2.79	701.03	350.52	454.07	224.25	10.06	-0.72	0.019
144.50	-4.67	-0.48	0.00	-2.54	0.00	2.54	697.55	348.77	449.54	222.01	10.14	-0.72	0.018
145.00	-4.64	-0.48	0.00	-2.30	0.00	2.30	694.06	347.03	445.03	219.78	10.21	-0.72	0.017
145.50	-4.60	-0.47	0.00	-2.07	0.00	2.07	690.57	345.29	440.55	217.57	10.29	-0.72	0.016
146.00	-4.56	-0.47	0.00	-1.83	0.00	1.83	687.09	343.54	436.08	215.36	10.37	-0.72	0.015
146.50	-4.52	-0.47	0.00	-1.59	0.00	1.59	683.60	341.80	431.64	213.17	10.44	-0.72	0.014
147.00	-4.49	-0.46	0.00	-1.36	0.00	1.36	680.11	340.06	427.22	210.99	10.52	-0.73	0.013
147.50	-4.45	-0.46	0.00	-1.13	0.00	1.13	676.63	338.31	422.83	208.82	10.59	-0.73	0.012
148.00	-4.41	-0.46	0.00	-0.90	0.00	0.90	673.14	336.57	418.45	206.66	10.67	-0.73	0.011
148.50	-4.38	-0.45	0.00	-0.67	0.00	0.67	669.65	334.83	414.10	204.51	10.75	-0.73	0.010
149.00	-4.34	-0.45	0.00	-0.45	0.00	0.45	666.16	333.08	409.78	202.37	10.82	-0.73	0.009
149.50	-4.30	-0.44	0.00	-0.22	0.00	0.22	662.68	331.34	405.47	200.25	10.90	-0.73	0.008
150.00	0.00	-0.39	0.00	0.00	0.00	0.00	659.19	329.60	401.19	198.13	10.98	-0.73	0.000

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

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

Seismic (Reduced DL) Equivalent Lateral Forces Method

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-30.15	-1.36	0.00	-172.37	0.00	172.37	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.050
0.50	-30.04	-1.36	0.00	-171.69	0.00	171.69	3,152.93	1,576.47	4,795.55	2,368.34	0.00	0.00	0.050
1.00	-29.94	-1.37	0.00	-171.01	0.00	171.01	3,148.69	1,574.34	4,778.83	2,360.09	0.00	0.00	0.050
1.50	-29.83	-1.37	0.00	-170.33	0.00	170.33	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.01	0.050
2.00	-29.73	-1.37	0.00	-169.64	0.00	169.64	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.01	0.050
2.50	-29.63	-1.37	0.00	-168.96	0.00	168.96	3,135.89	1,567.94	4,728.75	2,335.35	0.00	-0.01	0.050
3.00	-29.52	-1.37	0.00	-168.28	0.00	168.28	3,131.60	1,565.80	4,712.08	2,327.12	0.00	-0.01	0.050
3.50	-29.42	-1.37	0.00	-167.59	0.00	167.59	3,127.31	1,563.65	4,695.42	2,318.89	0.01	-0.01	0.050
4.00	-29.32	-1.37	0.00	-166.91	0.00	166.91	3,123.00	1,561.50	4,678.77	2,310.67	0.01	-0.02	0.050
4.50	-29.22	-1.37	0.00	-166.22	0.00	166.22	3,118.68	1,559.34	4,662.14	2,302.45	0.01	-0.02	0.050
5.00	-29.11	-1.37	0.00	-165.53	0.00	165.53	3,114.35	1,557.18	4,645.51	2,294.24	0.01	-0.02	0.050
5.50	-29.01	-1.37	0.00	-164.85	0.00	164.85	3,110.02	1,555.01	4,628.91	2,286.04	0.01	-0.02	0.050
6.00	-28.91	-1.38	0.00	-164.16	0.00	164.16	3,105.67	1,552.83	4,612.31	2,277.85	0.01	-0.02	0.049
6.50	-28.81	-1.38	0.00	-163.47	0.00	163.47	3,101.31	1,550.65	4,595.73	2,269.66	0.02	-0.03	0.049
7.00	-28.70	-1.38	0.00	-162.78	0.00	162.78	3,096.94	1,548.47	4,579.16	2,261.47	0.02	-0.03	0.049
7.50	-28.60	-1.38	0.00	-162.10	0.00	162.10	3,092.56	1,546.28	4,562.60	2,253.30	0.02	-0.03	0.049
8.00	-28.48	-1.38	0.00	-161.41	0.00	161.41	3,088.17	1,544.08	4,546.06	2,245.13	0.03	-0.03	0.049
8.50	-28.36	-1.38	0.00	-160.72	0.00	160.72	3,083.77	1,541.88	4,529.53	2,236.96	0.03	-0.03	0.049
9.00	-28.24	-1.38	0.00	-160.03	0.00	160.03	3,079.36	1,539.68	4,513.01	2,228.81	0.03	-0.03	0.049
9.50	-28.12	-1.38	0.00	-159.34	0.00	159.34	3,074.94	1,537.47	4,496.51	2,220.66	0.04	-0.04	0.049
10.00	-28.00	-1.38	0.00	-158.65	0.00	158.65	3,070.50	1,535.25	4,480.02	2,212.51	0.04	-0.04	0.049
10.50	-27.87	-1.38	0.00	-157.96	0.00	157.96	3,066.06	1,533.03	4,463.54	2,204.38	0.04	-0.04	0.049
11.00	-27.75	-1.38	0.00	-157.26	0.00	157.26	3,061.61	1,530.80	4,447.08	2,196.25	0.05	-0.04	0.049
11.50	-27.63	-1.38	0.00	-156.57	0.00	156.57	3,057.15	1,528.57	4,430.63	2,188.12	0.05	-0.04	0.048
12.00	-27.51	-1.39	0.00	-155.88	0.00	155.88	3,052.67	1,526.34	4,414.20	2,180.01	0.06	-0.05	0.048
12.50	-27.39	-1.39	0.00	-155.19	0.00	155.19	3,048.19	1,524.09	4,397.78	2,171.90	0.06	-0.05	0.048
13.00	-27.27	-1.39	0.00	-154.49	0.00	154.49	3,043.69	1,521.85	4,381.37	2,163.80	0.07	-0.05	0.048
13.50	-27.15	-1.39	0.00	-153.80	0.00	153.80	3,039.19	1,519.59	4,364.98	2,155.70	0.07	-0.05	0.048
14.00	-27.03	-1.39	0.00	-153.11	0.00	153.11	3,034.67	1,517.34	4,348.61	2,147.61	0.08	-0.05	0.048
14.50	-26.91	-1.39	0.00	-152.41	0.00	152.41	3,030.15	1,515.07	4,332.24	2,139.53	0.09	-0.06	0.048
15.00	-26.79	-1.39	0.00	-151.72	0.00	151.72	3,025.61	1,512.81	4,315.90	2,131.46	0.09	-0.06	0.048
15.50	-26.67	-1.39	0.00	-151.02	0.00	151.02	3,021.07	1,510.53	4,299.57	2,123.39	0.10	-0.06	0.048
16.00	-26.56	-1.39	0.00	-150.33	0.00	150.33	3,016.51	1,508.25	4,283.25	2,115.33	0.10	-0.06	0.048
16.50	-26.44	-1.39	0.00	-149.63	0.00	149.63	3,011.94	1,505.97	4,266.95	2,107.28	0.11	-0.06	0.047
17.00	-26.32	-1.39	0.00	-148.94	0.00	148.94	3,007.37	1,503.68	4,250.66	2,099.24	0.12	-0.07	0.047
17.50	-26.20	-1.39	0.00	-148.24	0.00	148.24	3,002.78	1,501.39	4,234.39	2,091.20	0.13	-0.07	0.047
18.00	-26.08	-1.39	0.00	-147.55	0.00	147.55	2,998.18	1,499.09	4,218.13	2,083.18	0.13	-0.07	0.047
18.50	-25.96	-1.39	0.00	-146.85	0.00	146.85	2,993.57	1,496.79	4,201.89	2,075.15	0.14	-0.07	0.047
19.00	-25.84	-1.39	0.00	-146.15	0.00	146.15	2,988.95	1,494.48	4,185.66	2,067.14	0.15	-0.07	0.047
19.50	-25.72	-1.39	0.00	-145.46	0.00	145.46	2,984.32	1,492.16	4,169.45	2,059.13	0.16	-0.08	0.047
20.00	-25.61	-1.39	0.00	-144.76	0.00	144.76	2,979.68	1,489.84	4,153.25	2,051.14	0.16	-0.08	0.047
20.50	-25.49	-1.40	0.00	-144.06	0.00	144.06	2,975.03	1,487.52	4,137.08	2,043.15	0.17	-0.08	0.047
21.00	-25.37	-1.40	0.00	-143.36	0.00	143.36	2,970.37	1,485.19	4,120.91	2,035.16	0.18	-0.08	0.047
21.50	-25.25	-1.40	0.00	-142.67	0.00	142.67	2,965.70	1,482.85	4,104.77	2,027.19	0.19	-0.08	0.046
22.00	-25.13	-1.40	0.00	-141.97	0.00	141.97	2,961.02	1,480.51	4,088.63	2,019.22	0.20	-0.09	0.046
22.50	-25.02	-1.40	0.00	-141.27	0.00	141.27	2,956.33	1,478.16	4,072.52	2,011.26	0.21	-0.09	0.046
23.00	-24.90	-1.40	0.00	-140.57	0.00	140.57	2,951.62	1,475.81	4,056.42	2,003.31	0.22	-0.09	0.046
23.50	-24.78	-1.40	0.00	-139.87	0.00	139.87	2,946.91	1,473.46	4,040.34	1,995.37	0.23	-0.09	0.046
24.00	-24.67	-1.40	0.00	-139.17	0.00	139.17	2,942.19	1,471.09	4,024.27	1,987.44	0.24	-0.09	0.046
24.50	-24.55	-1.40	0.00	-138.48	0.00	138.48	2,937.46	1,468.73	4,008.22	1,979.51	0.25	-0.10	0.046
25.00	-24.43	-1.40	0.00	-137.78	0.00	137.78	2,932.71	1,466.36	3,992.19	1,971.59	0.26	-0.10	0.046
25.50	-24.32	-1.40	0.00	-137.08	0.00	137.08	2,927.96	1,463.98	3,976.18	1,963.68	0.27	-0.10	0.046
26.00	-24.20	-1.40	0.00	-136.38	0.00	136.38	2,923.19	1,461.60	3,960.18	1,955.78	0.28	-0.10	0.045
26.50	-24.08	-1.40	0.00	-135.68	0.00	135.68	2,918.42	1,459.21	3,944.20	1,947.89	0.29	-0.11	0.045
27.00	-23.97	-1.40	0.00	-134.98	0.00	134.98	2,913.63	1,456.82	3,928.23	1,940.01	0.30	-0.11	0.045
27.50	-23.85	-1.40	0.00	-134.28	0.00	134.28	2,910.08	1,455.04	3,913.96	1,932.96	0.31	-0.11	0.045

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

28.00	-23.73	-1.40	0.00	-133.58	0.00	133.58	2,903.11	1,451.55	3,895.11	1,923.65	0.32	-0.11	0.045
28.50	-23.62	-1.40	0.00	-132.88	0.00	132.88	2,896.13	1,448.07	3,876.32	1,914.37	0.34	-0.11	0.045
29.00	-23.50	-1.40	0.00	-132.18	0.00	132.18	2,889.16	1,444.58	3,857.57	1,905.11	0.35	-0.12	0.045
29.50	-23.39	-1.40	0.00	-131.48	0.00	131.48	2,882.19	1,441.09	3,838.86	1,895.87	0.36	-0.12	0.045
30.00	-23.27	-1.40	0.00	-130.78	0.00	130.78	2,875.21	1,437.61	3,820.20	1,886.65	0.37	-0.12	0.045
30.50	-23.16	-1.40	0.00	-130.08	0.00	130.08	2,868.24	1,434.12	3,801.59	1,877.46	0.38	-0.12	0.045
31.00	-23.04	-1.40	0.00	-129.38	0.00	129.38	2,861.26	1,430.63	3,783.02	1,868.29	0.40	-0.12	0.045
31.50	-22.88	-1.40	0.00	-128.68	0.00	128.68	2,854.29	1,427.15	3,764.50	1,859.14	0.41	-0.13	0.044
32.00	-22.72	-1.40	0.00	-127.98	0.00	127.98	2,847.32	1,423.66	3,746.02	1,850.02	0.42	-0.13	0.044
32.50	-22.55	-1.40	0.00	-127.28	0.00	127.28	2,840.34	1,420.17	3,727.58	1,840.91	0.44	-0.13	0.044
33.00	-22.39	-1.40	0.00	-126.59	0.00	126.59	2,833.37	1,416.69	3,709.20	1,831.83	0.45	-0.13	0.044
33.50	-22.23	-1.40	0.00	-125.89	0.00	125.89	2,826.40	1,413.20	3,690.85	1,822.77	0.46	-0.13	0.043
34.00	-22.07	-1.40	0.00	-125.19	0.00	125.19	2,819.42	1,409.71	3,672.56	1,813.74	0.48	-0.14	0.043
34.50	-21.90	-1.39	0.00	-124.49	0.00	124.49	2,812.45	1,406.22	3,654.31	1,804.72	0.49	-0.14	0.043
35.00	-21.74	-1.39	0.00	-123.79	0.00	123.79	2,805.48	1,402.74	3,636.10	1,795.73	0.51	-0.14	0.043
35.50	-21.69	-1.39	0.00	-123.10	0.00	123.10	2,798.50	1,399.25	3,617.94	1,786.76	0.52	-0.14	0.043
35.67	-21.62	-1.39	0.00	-122.86	0.00	122.86	2,248.07	1,124.03	2,973.91	1,468.70	0.53	-0.14	0.050
36.00	-21.51	-1.39	0.00	-122.40	0.00	122.40	2,245.83	1,122.91	2,966.06	1,464.83	0.54	-0.14	0.049
36.50	-21.48	-1.39	0.00	-121.70	0.00	121.70	2,242.46	1,121.23	2,954.30	1,459.02	0.55	-0.15	0.049
36.67	-21.41	-1.39	0.00	-121.47	0.00	121.47	2,241.31	1,120.65	2,950.31	1,457.05	0.56	-0.15	0.049
36.67	-21.41	-1.39	0.00	-121.47	0.00	121.47	2,241.31	1,120.65	2,950.31	1,457.05	0.56	-0.15	0.053
37.00	-21.31	-1.39	0.00	-121.01	0.00	121.01	2,239.08	1,119.54	2,942.55	1,453.22	0.57	-0.15	0.053
37.50	-21.21	-1.39	0.00	-120.31	0.00	120.31	2,235.69	1,117.84	2,930.81	1,447.42	0.58	-0.15	0.053
38.00	-21.11	-1.39	0.00	-119.61	0.00	119.61	2,232.29	1,116.14	2,919.08	1,441.62	0.60	-0.15	0.052
38.50	-21.01	-1.39	0.00	-118.92	0.00	118.92	2,228.88	1,114.44	2,907.36	1,435.83	0.62	-0.16	0.052
39.00	-20.91	-1.39	0.00	-118.22	0.00	118.22	2,225.46	1,112.73	2,895.64	1,430.05	0.63	-0.16	0.052
39.50	-20.82	-1.39	0.00	-117.53	0.00	117.53	2,222.03	1,111.01	2,883.93	1,424.27	0.65	-0.16	0.052
40.00	-20.72	-1.39	0.00	-116.83	0.00	116.83	2,218.59	1,109.29	2,872.23	1,418.49	0.67	-0.16	0.052
40.50	-20.62	-1.39	0.00	-116.13	0.00	116.13	2,215.14	1,107.57	2,860.55	1,412.72	0.68	-0.16	0.052
41.00	-20.52	-1.39	0.00	-115.44	0.00	115.44	2,211.67	1,105.84	2,848.87	1,406.95	0.70	-0.17	0.051
41.50	-20.42	-1.39	0.00	-114.74	0.00	114.74	2,208.20	1,104.10	2,837.20	1,401.18	0.72	-0.17	0.051
42.00	-20.32	-1.39	0.00	-114.05	0.00	114.05	2,204.72	1,102.36	2,825.53	1,395.43	0.74	-0.17	0.051
42.50	-20.22	-1.39	0.00	-113.35	0.00	113.35	2,201.23	1,100.61	2,813.88	1,389.67	0.75	-0.17	0.051
43.00	-20.12	-1.39	0.00	-112.66	0.00	112.66	2,197.72	1,098.86	2,802.24	1,383.92	0.77	-0.18	0.051
43.50	-20.03	-1.39	0.00	-111.96	0.00	111.96	2,194.21	1,097.10	2,790.61	1,378.18	0.79	-0.18	0.051
44.00	-19.93	-1.39	0.00	-111.27	0.00	111.27	2,190.68	1,095.34	2,778.98	1,372.44	0.81	-0.18	0.050
44.50	-19.83	-1.39	0.00	-110.58	0.00	110.58	2,187.15	1,093.57	2,767.37	1,366.70	0.83	-0.18	0.050
45.00	-19.73	-1.39	0.00	-109.88	0.00	109.88	2,183.60	1,091.80	2,755.77	1,360.97	0.85	-0.19	0.050
45.50	-19.63	-1.39	0.00	-109.19	0.00	109.19	2,180.05	1,090.02	2,744.17	1,355.24	0.87	-0.19	0.050
46.00	-19.54	-1.38	0.00	-108.50	0.00	108.50	2,176.48	1,088.24	2,732.59	1,349.52	0.89	-0.19	0.050
46.50	-19.44	-1.38	0.00	-107.81	0.00	107.81	2,172.91	1,086.45	2,721.02	1,343.81	0.91	-0.19	0.050
47.00	-19.34	-1.38	0.00	-107.11	0.00	107.11	2,169.32	1,084.66	2,709.45	1,338.10	0.93	-0.20	0.049
47.50	-19.24	-1.38	0.00	-106.42	0.00	106.42	2,165.72	1,082.86	2,697.90	1,332.39	0.95	-0.20	0.049
48.00	-19.15	-1.38	0.00	-105.73	0.00	105.73	2,162.11	1,081.06	2,686.36	1,326.69	0.97	-0.20	0.049
48.50	-19.05	-1.38	0.00	-105.04	0.00	105.04	2,158.50	1,079.25	2,674.83	1,321.00	0.99	-0.20	0.049
49.00	-18.95	-1.38	0.00	-104.35	0.00	104.35	2,154.87	1,077.43	2,663.31	1,315.31	1.01	-0.20	0.049
49.50	-18.86	-1.38	0.00	-103.66	0.00	103.66	2,151.23	1,075.61	2,651.80	1,309.62	1.03	-0.21	0.049
50.00	-18.76	-1.38	0.00	-102.97	0.00	102.97	2,147.58	1,073.79	2,640.30	1,303.95	1.06	-0.21	0.048
50.50	-18.66	-1.38	0.00	-102.28	0.00	102.28	2,143.92	1,071.96	2,628.81	1,298.27	1.08	-0.21	0.048
51.00	-18.57	-1.38	0.00	-101.59	0.00	101.59	2,140.25	1,070.13	2,617.34	1,292.60	1.10	-0.21	0.048
51.50	-18.47	-1.37	0.00	-100.91	0.00	100.91	2,136.57	1,068.29	2,605.87	1,286.94	1.12	-0.22	0.048
52.00	-18.37	-1.37	0.00	-100.22	0.00	100.22	2,132.88	1,066.44	2,594.42	1,281.29	1.15	-0.22	0.048
52.50	-18.28	-1.37	0.00	-99.53	0.00	99.53	2,129.18	1,064.59	2,582.98	1,275.64	1.17	-0.22	0.047
53.00	-18.18	-1.37	0.00	-98.85	0.00	98.85	2,125.47	1,062.73	2,571.55	1,269.99	1.19	-0.22	0.047
53.50	-18.09	-1.37	0.00	-98.16	0.00	98.16	2,121.75	1,060.87	2,560.13	1,264.35	1.21	-0.23	0.047
54.00	-17.99	-1.37	0.00	-97.47	0.00	97.47	2,118.01	1,059.01	2,548.72	1,258.72	1.24	-0.23	0.047
54.50	-17.89	-1.37	0.00	-96.79	0.00	96.79	2,114.27	1,057.14	2,537.32	1,253.09	1.26	-0.23	0.047
55.00	-17.80	-1.37	0.00	-96.11	0.00	96.11	2,110.52	1,055.26	2,525.94	1,247.47	1.29	-0.23	0.046
55.50	-17.70	-1.36	0.00	-95.42	0.00	95.42	2,106.75	1,053.38	2,514.57	1,241.85	1.31	-0.23	0.046
56.00	-17.61	-1.36	0.00	-94.74	0.00	94.74	2,102.98	1,051.49	2,503.21	1,236.24	1.34	-0.24	0.046
56.50	-17.51	-1.36	0.00	-94.06	0.00	94.06	2,099.20	1,049.60	2,491.86	1,230.64	1.36	-0.24	0.046
57.00	-17.42	-1.36	0.00	-93.38	0.00	93.38	2,095.40	1,047.70	2,480.53	1,225.04	1.39	-0.24	0.046
57.50	-17.32	-1.36	0.00	-92.70	0.00	92.70	2,091.60	1,045.80	2,469.21	1,219.45	1.41	-0.24	0.046
58.00	-17.23	-1.36	0.00	-92.02	0.00	92.02	2,087.78	1,043.89	2,457.90	1,213.86	1.44	-0.25	0.045

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

58.50	-17.13	-1.36	0.00	-91.34	0.00	91.34	2,083.96	1,041.98	2,446.60	1,208.28	1.46	-0.25	0.045
59.00	-17.04	-1.35	0.00	-90.66	0.00	90.66	2,080.12	1,040.06	2,435.32	1,202.71	1.49	-0.25	0.045
59.50	-16.94	-1.35	0.00	-89.99	0.00	89.99	2,076.27	1,038.14	2,424.04	1,197.14	1.52	-0.25	0.045
60.00	-16.85	-1.35	0.00	-89.31	0.00	89.31	2,072.41	1,036.21	2,412.79	1,191.58	1.54	-0.26	0.045
60.50	-16.75	-1.35	0.00	-88.64	0.00	88.64	2,068.55	1,034.27	2,401.54	1,186.03	1.57	-0.26	0.044
61.00	-16.66	-1.35	0.00	-87.96	0.00	87.96	2,064.67	1,032.33	2,390.31	1,180.48	1.60	-0.26	0.044
61.50	-16.57	-1.35	0.00	-87.29	0.00	87.29	2,060.78	1,030.39	2,379.09	1,174.94	1.62	-0.26	0.044
62.00	-16.47	-1.34	0.00	-86.61	0.00	86.61	2,056.88	1,028.44	2,367.88	1,169.41	1.65	-0.27	0.044
62.50	-16.38	-1.34	0.00	-85.94	0.00	85.94	2,052.97	1,026.49	2,356.69	1,163.88	1.68	-0.27	0.044
63.00	-16.29	-1.34	0.00	-85.27	0.00	85.27	2,049.05	1,024.53	2,345.51	1,158.36	1.71	-0.27	0.043
63.50	-16.19	-1.34	0.00	-84.60	0.00	84.60	2,045.12	1,022.56	2,334.35	1,152.85	1.74	-0.27	0.043
64.00	-16.10	-1.34	0.00	-83.93	0.00	83.93	2,041.18	1,020.59	2,323.20	1,147.34	1.77	-0.27	0.043
64.50	-16.00	-1.33	0.00	-83.27	0.00	83.27	2,037.23	1,018.62	2,312.06	1,141.84	1.79	-0.28	0.043
65.00	-15.91	-1.33	0.00	-82.60	0.00	82.60	2,033.27	1,016.64	2,300.94	1,136.35	1.82	-0.28	0.043
65.50	-15.82	-1.33	0.00	-81.93	0.00	81.93	2,029.30	1,014.65	2,289.83	1,130.86	1.85	-0.28	0.042
66.00	-15.73	-1.33	0.00	-81.27	0.00	81.27	2,025.32	1,012.66	2,278.74	1,125.38	1.88	-0.28	0.042
66.50	-15.63	-1.32	0.00	-80.61	0.00	80.61	2,021.33	1,010.66	2,267.65	1,119.91	1.91	-0.29	0.042
67.00	-15.54	-1.32	0.00	-79.94	0.00	79.94	2,016.97	1,008.48	2,256.19	1,114.25	1.94	-0.29	0.042
67.50	-15.45	-1.32	0.00	-79.28	0.00	79.28	2,011.16	1,005.58	2,243.13	1,107.80	1.97	-0.29	0.042
68.00	-15.35	-1.32	0.00	-78.62	0.00	78.62	2,005.34	1,002.67	2,230.12	1,101.37	2.00	-0.29	0.041
68.50	-15.26	-1.32	0.00	-77.96	0.00	77.96	1,999.53	999.77	2,217.14	1,094.96	2.03	-0.30	0.041
69.00	-15.17	-1.31	0.00	-77.30	0.00	77.30	1,993.72	996.86	2,204.19	1,088.57	2.07	-0.30	0.041
69.50	-15.08	-1.31	0.00	-76.65	0.00	76.65	1,987.91	993.96	2,191.29	1,082.20	2.10	-0.30	0.041
70.00	-14.95	-1.31	0.00	-75.99	0.00	75.99	1,982.10	991.05	2,178.42	1,075.84	2.13	-0.30	0.041
70.50	-14.83	-1.30	0.00	-75.34	0.00	75.34	1,976.29	988.14	2,165.59	1,069.51	2.16	-0.30	0.040
71.00	-14.71	-1.30	0.00	-74.69	0.00	74.69	1,970.48	985.24	2,152.80	1,063.19	2.19	-0.31	0.040
71.50	-14.58	-1.30	0.00	-74.04	0.00	74.04	1,964.67	982.33	2,140.05	1,056.89	2.22	-0.31	0.039
72.00	-14.46	-1.29	0.00	-73.39	0.00	73.39	1,958.85	979.43	2,127.34	1,050.61	2.26	-0.31	0.039
72.50	-14.33	-1.29	0.00	-72.74	0.00	72.74	1,953.04	976.52	2,114.66	1,044.35	2.29	-0.31	0.039
73.00	-14.25	-1.29	0.00	-72.10	0.00	72.10	1,947.23	973.62	2,102.02	1,038.11	2.32	-0.32	0.039
73.33	-14.21	-1.28	0.00	-71.68	0.00	71.68	1,943.40	971.70	2,093.70	1,034.00	2.34	-0.32	0.039
73.33	-14.21	-1.28	0.00	-71.68	0.00	71.68	1,943.40	971.70	2,093.70	1,034.00	2.34	-0.32	0.042
73.50	-14.13	-1.28	0.00	-71.46	0.00	71.46	1,473.96	736.98	1,624.57	802.32	2.36	-0.32	0.051
74.00	-14.06	-1.28	0.00	-70.82	0.00	70.82	1,471.41	735.71	1,616.97	798.56	2.39	-0.32	0.050
74.50	-13.98	-1.28	0.00	-70.18	0.00	70.18	1,468.85	734.43	1,609.36	794.80	2.42	-0.32	0.050
75.00	-13.90	-1.28	0.00	-69.54	0.00	69.54	1,466.28	733.14	1,601.77	791.05	2.46	-0.33	0.050
75.50	-13.82	-1.27	0.00	-68.90	0.00	68.90	1,463.70	731.85	1,594.18	787.30	2.49	-0.33	0.049
76.00	-13.74	-1.27	0.00	-68.26	0.00	68.26	1,461.11	730.55	1,586.59	783.56	2.52	-0.33	0.049
76.50	-13.66	-1.27	0.00	-67.63	0.00	67.63	1,458.51	729.25	1,579.01	779.81	2.56	-0.33	0.049
77.00	-13.59	-1.27	0.00	-66.99	0.00	66.99	1,455.89	727.95	1,571.44	776.07	2.59	-0.34	0.048
77.50	-13.51	-1.26	0.00	-66.36	0.00	66.36	1,453.27	726.64	1,563.87	772.34	2.63	-0.34	0.048
78.00	-13.43	-1.26	0.00	-65.73	0.00	65.73	1,450.64	725.32	1,556.31	768.60	2.67	-0.34	0.048
78.50	-13.35	-1.26	0.00	-65.10	0.00	65.10	1,447.99	724.00	1,548.75	764.87	2.70	-0.34	0.048
79.00	-13.27	-1.25	0.00	-64.47	0.00	64.47	1,445.34	722.67	1,541.20	761.14	2.74	-0.35	0.047
79.50	-13.20	-1.25	0.00	-63.84	0.00	63.84	1,442.68	721.34	1,533.65	757.41	2.77	-0.35	0.047
80.00	-13.12	-1.25	0.00	-63.22	0.00	63.22	1,440.00	720.00	1,526.12	753.69	2.81	-0.35	0.047
80.50	-13.04	-1.25	0.00	-62.59	0.00	62.59	1,437.32	718.66	1,518.59	749.97	2.85	-0.35	0.046
81.00	-12.96	-1.24	0.00	-61.97	0.00	61.97	1,434.62	717.31	1,511.06	746.26	2.88	-0.36	0.046
81.50	-12.89	-1.24	0.00	-61.35	0.00	61.35	1,431.91	715.96	1,503.54	742.54	2.92	-0.36	0.046
82.00	-12.81	-1.24	0.00	-60.73	0.00	60.73	1,429.20	714.60	1,496.03	738.83	2.96	-0.36	0.045
82.50	-12.73	-1.24	0.00	-60.11	0.00	60.11	1,426.47	713.23	1,488.53	735.13	3.00	-0.36	0.045
83.00	-12.66	-1.23	0.00	-59.49	0.00	59.49	1,423.73	711.87	1,481.03	731.43	3.04	-0.37	0.045
83.50	-12.58	-1.23	0.00	-58.87	0.00	58.87	1,420.98	710.49	1,473.54	727.73	3.07	-0.37	0.044
84.00	-12.50	-1.23	0.00	-58.26	0.00	58.26	1,418.23	709.11	1,466.06	724.03	3.11	-0.37	0.044
84.50	-12.42	-1.22	0.00	-57.65	0.00	57.65	1,415.46	707.73	1,458.58	720.34	3.15	-0.37	0.044
85.00	-12.35	-1.22	0.00	-57.04	0.00	57.04	1,412.68	706.34	1,451.11	716.65	3.19	-0.38	0.044
85.50	-12.27	-1.22	0.00	-56.43	0.00	56.43	1,409.89	704.94	1,443.65	712.97	3.23	-0.38	0.043
86.00	-12.20	-1.21	0.00	-55.82	0.00	55.82	1,407.09	703.54	1,436.20	709.28	3.27	-0.38	0.043
86.50	-12.12	-1.21	0.00	-55.21	0.00	55.21	1,404.28	702.14	1,428.75	705.61	3.31	-0.38	0.043
87.00	-12.04	-1.21	0.00	-54.61	0.00	54.61	1,401.46	700.73	1,421.32	701.93	3.35	-0.39	0.042
87.50	-11.97	-1.20	0.00	-54.00	0.00	54.00	1,398.63	699.31	1,413.89	698.26	3.39	-0.39	0.042
88.00	-11.89	-1.20	0.00	-53.40	0.00	53.40	1,395.79	697.89	1,406.46	694.60	3.43	-0.39	0.042
88.50	-11.81	-1.20	0.00	-52.80	0.00	52.80	1,392.93	696.47	1,399.05	690.94	3.47	-0.39	0.041
89.00	-11.74	-1.19	0.00	-52.20	0.00	52.20	1,390.07	695.04	1,391.64	687.28	3.52	-0.40	0.041

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

89.50	-11.66	-1.19	0.00	-51.61	0.00	51.61	1,387.20	693.60	1,384.25	683.63	3.56	-0.40	0.041
90.00	-11.59	-1.19	0.00	-51.01	0.00	51.01	1,384.32	692.16	1,376.86	679.98	3.60	-0.40	0.040
90.50	-11.51	-1.18	0.00	-50.42	0.00	50.42	1,381.42	690.71	1,369.48	676.33	3.64	-0.40	0.040
91.00	-11.44	-1.18	0.00	-49.83	0.00	49.83	1,378.52	689.26	1,362.10	672.69	3.68	-0.41	0.040
91.50	-11.36	-1.17	0.00	-49.24	0.00	49.24	1,375.61	687.80	1,354.74	669.06	3.73	-0.41	0.039
92.00	-11.28	-1.17	0.00	-48.65	0.00	48.65	1,372.68	686.34	1,347.39	665.42	3.77	-0.41	0.039
92.50	-11.21	-1.17	0.00	-48.07	0.00	48.07	1,369.75	684.87	1,340.04	661.80	3.81	-0.41	0.039
93.00	-11.13	-1.16	0.00	-47.48	0.00	47.48	1,366.80	683.40	1,332.70	658.17	3.86	-0.41	0.038
93.50	-11.06	-1.16	0.00	-46.90	0.00	46.90	1,363.85	681.92	1,325.38	654.55	3.90	-0.42	0.038
94.00	-10.98	-1.16	0.00	-46.32	0.00	46.32	1,360.88	680.44	1,318.06	650.94	3.94	-0.42	0.038
94.50	-10.91	-1.15	0.00	-45.74	0.00	45.74	1,357.90	678.95	1,310.75	647.33	3.99	-0.42	0.037
95.00	-10.83	-1.15	0.00	-45.17	0.00	45.17	1,354.92	677.46	1,303.45	643.72	4.03	-0.42	0.037
95.50	-10.76	-1.14	0.00	-44.59	0.00	44.59	1,351.92	675.96	1,296.16	640.12	4.08	-0.43	0.037
96.00	-10.69	-1.14	0.00	-44.02	0.00	44.02	1,348.91	674.46	1,288.88	636.53	4.12	-0.43	0.036
96.50	-10.61	-1.14	0.00	-43.45	0.00	43.45	1,345.89	672.95	1,281.61	632.94	4.17	-0.43	0.036
97.00	-10.54	-1.13	0.00	-42.88	0.00	42.88	1,342.86	671.43	1,274.35	629.35	4.21	-0.43	0.036
97.50	-10.46	-1.13	0.00	-42.32	0.00	42.32	1,339.82	669.91	1,267.09	625.77	4.26	-0.44	0.035
98.00	-10.39	-1.12	0.00	-41.76	0.00	41.76	1,336.78	668.39	1,259.85	622.19	4.30	-0.44	0.035
98.50	-10.31	-1.12	0.00	-41.19	0.00	41.19	1,333.72	666.86	1,252.62	618.62	4.35	-0.44	0.035
99.00	-10.24	-1.11	0.00	-40.64	0.00	40.64	1,330.65	665.32	1,245.40	615.06	4.39	-0.44	0.034
99.50	-10.17	-1.11	0.00	-40.08	0.00	40.08	1,327.57	663.78	1,238.19	611.50	4.44	-0.44	0.034
100.00	-10.09	-1.11	0.00	-39.52	0.00	39.52	1,324.47	662.24	1,230.99	607.94	4.49	-0.45	0.034
100.50	-10.02	-1.10	0.00	-38.97	0.00	38.97	1,321.37	660.69	1,223.80	604.39	4.53	-0.45	0.033
101.00	-9.94	-1.10	0.00	-38.42	0.00	38.42	1,318.26	659.13	1,216.62	600.84	4.58	-0.45	0.033
101.50	-9.87	-1.09	0.00	-37.87	0.00	37.87	1,315.14	657.57	1,209.45	597.30	4.63	-0.45	0.033
102.00	-9.80	-1.09	0.00	-37.33	0.00	37.33	1,312.01	656.00	1,202.30	593.77	4.68	-0.46	0.032
102.50	-9.72	-1.08	0.00	-36.78	0.00	36.78	1,308.86	654.43	1,195.15	590.24	4.72	-0.46	0.032
103.00	-9.65	-1.08	0.00	-36.24	0.00	36.24	1,305.71	652.86	1,188.02	586.72	4.77	-0.46	0.032
103.50	-9.58	-1.07	0.00	-35.70	0.00	35.70	1,302.55	651.27	1,180.89	583.20	4.82	-0.46	0.031
104.00	-9.50	-1.07	0.00	-35.17	0.00	35.17	1,299.37	649.69	1,173.78	579.69	4.87	-0.46	0.031
104.50	-9.43	-1.06	0.00	-34.63	0.00	34.63	1,296.19	648.09	1,166.68	576.18	4.92	-0.47	0.031
105.00	-9.36	-1.06	0.00	-34.10	0.00	34.10	1,292.99	646.50	1,159.59	572.68	4.97	-0.47	0.030
105.50	-9.29	-1.05	0.00	-33.57	0.00	33.57	1,288.98	644.49	1,151.78	568.82	5.02	-0.47	0.030
106.00	-9.21	-1.05	0.00	-33.05	0.00	33.05	1,284.33	642.16	1,143.44	564.70	5.07	-0.47	0.030
106.50	-9.14	-1.04	0.00	-32.52	0.00	32.52	1,279.68	639.84	1,135.13	560.60	5.11	-0.47	0.029
107.00	-9.07	-1.04	0.00	-32.00	0.00	32.00	1,275.03	637.51	1,126.85	556.51	5.16	-0.48	0.029
107.50	-9.00	-1.03	0.00	-31.48	0.00	31.48	1,270.38	635.19	1,118.60	552.44	5.21	-0.48	0.029
108.00	-8.92	-1.03	0.00	-30.97	0.00	30.97	1,265.73	632.87	1,110.38	548.38	5.26	-0.48	0.029
108.50	-8.85	-1.02	0.00	-30.45	0.00	30.45	1,261.08	630.54	1,102.19	544.33	5.32	-0.48	0.028
109.00	-8.78	-1.02	0.00	-29.94	0.00	29.94	1,256.43	628.22	1,094.04	540.30	5.37	-0.48	0.028
109.50	-8.71	-1.01	0.00	-29.43	0.00	29.43	1,251.78	625.89	1,085.91	536.29	5.42	-0.49	0.028
110.00	-8.65	-1.01	0.00	-28.93	0.00	28.93	1,247.14	623.57	1,077.81	532.29	5.47	-0.49	0.027
110.00	-8.65	-1.01	0.00	-28.93	0.00	28.93	853.24	426.62	741.79	366.34	5.47	-0.49	0.000
110.50	-8.59	-1.00	0.00	-28.42	0.00	28.42	851.46	425.73	737.46	364.21	5.52	-0.49	0.038
111.00	-8.53	-1.00	0.00	-27.92	0.00	27.92	849.67	424.84	733.15	362.07	5.57	-0.49	0.037
111.50	-8.47	-0.99	0.00	-27.42	0.00	27.42	847.87	423.94	728.83	359.94	5.62	-0.49	0.037
112.00	-8.41	-0.99	0.00	-26.92	0.00	26.92	846.07	423.03	724.52	357.81	5.67	-0.50	0.036
112.50	-8.35	-0.99	0.00	-26.43	0.00	26.43	844.25	422.12	720.21	355.68	5.73	-0.50	0.036
113.00	-8.29	-0.98	0.00	-25.94	0.00	25.94	842.42	421.21	715.90	353.56	5.78	-0.50	0.035
113.50	-8.23	-0.98	0.00	-25.45	0.00	25.45	840.58	420.29	711.60	351.43	5.83	-0.50	0.035
114.00	-8.17	-0.97	0.00	-24.96	0.00	24.96	838.73	419.36	707.30	349.31	5.88	-0.51	0.034
114.50	-8.11	-0.97	0.00	-24.47	0.00	24.47	836.87	418.43	703.00	347.19	5.94	-0.51	0.034
115.00	-8.05	-0.96	0.00	-23.99	0.00	23.99	834.99	417.50	698.71	345.06	5.99	-0.51	0.033
115.50	-7.99	-0.96	0.00	-23.51	0.00	23.51	833.11	416.56	694.42	342.95	6.04	-0.51	0.033
116.00	-7.93	-0.95	0.00	-23.03	0.00	23.03	831.22	415.61	690.13	340.83	6.10	-0.51	0.032
116.50	-7.89	-0.95	0.00	-22.55	0.00	22.55	829.32	414.66	685.85	338.71	6.15	-0.52	0.032
116.50	-7.89	-0.95	0.00	-22.55	0.00	22.55	829.32	414.66	685.85	338.71	6.15	-0.52	0.076
117.00	-7.85	-0.95	0.00	-22.08	0.00	22.08	827.41	413.70	681.57	336.60	6.21	-0.52	0.075
117.50	-7.82	-0.94	0.00	-21.61	0.00	21.61	825.48	412.74	677.29	334.49	6.26	-0.52	0.074
118.00	-7.78	-0.94	0.00	-21.13	0.00	21.13	823.55	411.77	673.02	332.38	6.32	-0.53	0.073
118.50	-7.74	-0.94	0.00	-20.66	0.00	20.66	821.61	410.80	668.75	330.27	6.37	-0.53	0.072
119.00	-7.70	-0.94	0.00	-20.20	0.00	20.20	819.65	409.83	664.49	328.17	6.43	-0.54	0.071
119.50	-7.67	-0.93	0.00	-19.73	0.00	19.73	817.69	408.84	660.23	326.06	6.48	-0.54	0.070
120.00	-7.63	-0.93	0.00	-19.26	0.00	19.26	815.71	407.86	655.98	323.96	6.54	-0.55	0.069

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

120.50	-7.59	-0.93	0.00	-18.80	0.00	18.80	813.73	406.86	651.73	321.87	6.60	-0.55	0.068
121.00	-7.56	-0.92	0.00	-18.33	0.00	18.33	811.73	405.86	647.49	319.77	6.66	-0.56	0.067
121.50	-7.52	-0.92	0.00	-17.87	0.00	17.87	809.72	404.86	643.25	317.68	6.72	-0.56	0.066
122.00	-7.48	-0.92	0.00	-17.41	0.00	17.41	807.71	403.85	639.01	315.58	6.78	-0.57	0.064
122.50	-7.45	-0.92	0.00	-16.95	0.00	16.95	805.68	402.84	634.78	313.49	6.83	-0.57	0.063
123.00	-7.41	-0.91	0.00	-16.49	0.00	16.49	803.64	401.82	630.56	311.41	6.90	-0.58	0.062
123.50	-7.37	-0.91	0.00	-16.03	0.00	16.03	801.59	400.80	626.34	309.32	6.96	-0.58	0.061
124.00	-7.34	-0.91	0.00	-15.58	0.00	15.58	799.54	399.77	622.12	307.24	7.02	-0.58	0.060
124.50	-7.30	-0.90	0.00	-15.13	0.00	15.13	797.47	398.73	617.91	305.16	7.08	-0.59	0.059
125.00	-7.26	-0.90	0.00	-14.67	0.00	14.67	795.39	397.69	613.71	303.09	7.14	-0.59	0.058
125.50	-7.23	-0.90	0.00	-14.22	0.00	14.22	793.30	396.65	609.51	301.01	7.20	-0.60	0.056
126.00	-7.19	-0.89	0.00	-13.78	0.00	13.78	791.20	395.60	605.32	298.94	7.27	-0.60	0.055
126.50	-7.16	-0.89	0.00	-13.33	0.00	13.33	789.09	394.54	601.13	296.88	7.33	-0.60	0.054
127.00	-7.12	-0.89	0.00	-12.88	0.00	12.88	786.97	393.48	596.95	294.81	7.39	-0.61	0.053
127.50	-7.08	-0.88	0.00	-12.44	0.00	12.44	784.84	392.42	592.78	292.75	7.46	-0.61	0.052
128.00	-7.05	-0.88	0.00	-12.00	0.00	12.00	782.69	391.35	588.61	290.69	7.52	-0.62	0.050
128.50	-7.01	-0.88	0.00	-11.56	0.00	11.56	780.54	390.27	584.44	288.64	7.58	-0.62	0.049
129.00	-6.98	-0.87	0.00	-11.12	0.00	11.12	778.38	389.19	580.29	286.58	7.65	-0.62	0.048
129.50	-6.94	-0.87	0.00	-10.68	0.00	10.68	776.21	388.10	576.14	284.53	7.72	-0.63	0.046
130.00	-6.91	-0.87	0.00	-10.24	0.00	10.24	774.02	387.01	572.00	282.49	7.78	-0.63	0.045
130.50	-6.87	-0.86	0.00	-9.81	0.00	9.81	771.83	385.91	567.86	280.44	7.85	-0.63	0.044
131.00	-4.09	-0.56	0.00	-9.38	0.00	9.38	769.63	384.81	563.73	278.40	7.91	-0.64	0.039
131.50	-4.06	-0.56	0.00	-9.10	0.00	9.10	767.41	383.71	559.60	276.37	7.98	-0.64	0.038
132.00	-4.03	-0.55	0.00	-8.82	0.00	8.82	765.19	382.59	555.49	274.33	8.05	-0.64	0.037
132.50	-4.00	-0.55	0.00	-8.54	0.00	8.54	762.95	381.48	551.38	272.31	8.12	-0.64	0.037
133.00	-3.97	-0.55	0.00	-8.27	0.00	8.27	760.71	380.35	547.28	270.28	8.18	-0.65	0.036
133.50	-3.94	-0.54	0.00	-8.00	0.00	8.00	758.45	379.23	543.18	268.26	8.25	-0.65	0.035
134.00	-3.91	-0.54	0.00	-7.73	0.00	7.73	756.18	378.09	539.09	266.24	8.32	-0.65	0.034
134.50	-3.88	-0.54	0.00	-7.46	0.00	7.46	753.91	376.95	535.01	264.22	8.39	-0.66	0.033
135.00	-3.85	-0.53	0.00	-7.19	0.00	7.19	751.62	375.81	530.94	262.21	8.46	-0.66	0.033
135.50	-3.82	-0.53	0.00	-6.92	0.00	6.92	749.32	374.66	526.87	260.20	8.53	-0.66	0.032
136.00	-3.79	-0.53	0.00	-6.66	0.00	6.66	747.01	373.51	522.82	258.20	8.60	-0.66	0.031
136.50	-3.76	-0.52	0.00	-6.39	0.00	6.39	744.70	372.35	518.77	256.20	8.66	-0.67	0.030
137.00	-3.73	-0.52	0.00	-6.13	0.00	6.13	742.37	371.18	514.72	254.20	8.73	-0.67	0.029
137.50	-3.70	-0.52	0.00	-5.87	0.00	5.87	740.03	370.01	510.69	252.21	8.80	-0.67	0.028
138.00	-3.67	-0.51	0.00	-5.61	0.00	5.61	737.68	368.84	506.66	250.22	8.88	-0.67	0.027
138.50	-3.64	-0.51	0.00	-5.36	0.00	5.36	735.32	367.66	502.65	248.24	8.95	-0.68	0.027
139.00	-3.61	-0.51	0.00	-5.10	0.00	5.10	732.95	366.47	498.64	246.26	9.02	-0.68	0.026
139.50	-3.58	-0.50	0.00	-4.85	0.00	4.85	730.57	365.28	494.64	244.28	9.09	-0.68	0.025
140.00	-3.56	-0.50	0.00	-4.60	0.00	4.60	728.18	364.09	490.64	242.31	9.16	-0.68	0.024
140.50	-3.53	-0.50	0.00	-4.35	0.00	4.35	725.44	362.72	486.44	240.23	9.23	-0.68	0.023
141.00	-3.44	-0.48	0.00	-4.10	0.00	4.10	721.95	360.98	481.74	237.92	9.30	-0.69	0.022
141.50	-3.42	-0.48	0.00	-3.86	0.00	3.86	718.47	359.23	477.08	235.61	9.37	-0.69	0.021
142.00	-3.39	-0.48	0.00	-3.62	0.00	3.62	714.98	357.49	472.43	233.32	9.45	-0.69	0.020
142.50	-3.36	-0.47	0.00	-3.38	0.00	3.38	711.49	355.75	467.81	231.03	9.52	-0.69	0.019
143.00	-3.34	-0.47	0.00	-3.14	0.00	3.14	708.01	354.00	463.21	228.76	9.59	-0.69	0.018
143.50	-3.31	-0.47	0.00	-2.91	0.00	2.91	704.52	352.26	458.63	226.50	9.66	-0.69	0.018
144.00	-3.28	-0.46	0.00	-2.67	0.00	2.67	701.03	350.52	454.07	224.25	9.74	-0.69	0.017
144.50	-3.26	-0.46	0.00	-2.44	0.00	2.44	697.55	348.77	449.54	222.01	9.81	-0.70	0.016
145.00	-3.23	-0.46	0.00	-2.21	0.00	2.21	694.06	347.03	445.03	219.78	9.88	-0.70	0.015
145.50	-3.20	-0.45	0.00	-1.98	0.00	1.98	690.57	345.29	440.55	217.57	9.95	-0.70	0.014
146.00	-3.18	-0.45	0.00	-1.75	0.00	1.75	687.09	343.54	436.08	215.36	10.03	-0.70	0.013
146.50	-3.15	-0.45	0.00	-1.53	0.00	1.53	683.60	341.80	431.64	213.17	10.10	-0.70	0.012
147.00	-3.13	-0.44	0.00	-1.31	0.00	1.31	680.11	340.06	427.22	210.99	10.17	-0.70	0.011
147.50	-3.10	-0.44	0.00	-1.08	0.00	1.08	676.63	338.31	422.83	208.82	10.25	-0.70	0.010
148.00	-3.07	-0.44	0.00	-0.86	0.00	0.86	673.14	336.57	418.45	206.66	10.32	-0.70	0.009
148.50	-3.05	-0.43	0.00	-0.64	0.00	0.64	669.65	334.83	414.10	204.51	10.39	-0.70	0.008
149.00	-3.02	-0.43	0.00	-0.43	0.00	0.43	666.16	333.08	409.78	202.37	10.47	-0.70	0.007
149.50	-3.00	-0.43	0.00	-0.21	0.00	0.21	662.68	331.34	405.47	200.25	10.54	-0.70	0.006
150.00	0.00	-0.39	0.00	0.00	0.00	0.00	659.19	329.60	401.19	198.13	10.62	-0.70	0.000

Site Number: 302494 Code: ANSI/TIA-222-G ©2007 - 2018 by ATC IP LLC. All rights reserved.
 Site Name: Hddm - Haddam, CT Engineering Number: OAA712589_C3_05 4/24/2018 5:54:38 PM
 Customer: SPRINT NEXTEL

Equivalent Modal Forces Analysis

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

Spectral Response Acceleration for Short Period (S_s): 0.18
 Spectral Response Acceleration at 1.0 Second Period (S_{d1}): 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}): 0.19
 Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}): 0.10
 Period Based on Rayleigh Method (sec): 2.95
 Redundancy Factor (ρ): 1.30

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

Segment	Height Above Base (ft)	Weight (lb)	a	b	c	Saz	Horizontal Force (lb)	Vertical Force (lb)
303	149.75	30	1.884	1.947	1.128	0.350	9	37
302	149.25	30	1.871	1.882	1.105	0.342	9	37
301	148.75	30	1.859	1.819	1.081	0.334	9	37
300	148.25	30	1.846	1.757	1.059	0.326	8	37
299	147.75	30	1.834	1.696	1.036	0.319	8	37
298	147.25	30	1.821	1.637	1.014	0.311	8	37
297	146.75	30	1.809	1.580	0.993	0.303	8	37
296	146.25	30	1.797	1.523	0.972	0.296	8	38
295	145.75	30	1.784	1.469	0.951	0.289	8	38
294	145.25	31	1.772	1.415	0.930	0.282	7	38
293	144.75	31	1.760	1.363	0.910	0.274	7	38
292	144.25	31	1.748	1.312	0.890	0.267	7	38
291	143.75	31	1.736	1.263	0.871	0.260	7	38
290	143.25	31	1.724	1.214	0.851	0.253	7	38
289	142.75	31	1.712	1.167	0.833	0.247	7	38
288	142.25	31	1.700	1.121	0.814	0.240	6	38
287	141.75	31	1.688	1.077	0.796	0.233	6	38
286	141.25	31	1.676	1.033	0.778	0.226	6	39
285	140.75	34	1.664	0.991	0.761	0.220	6	42
284	140.25	34	1.652	0.950	0.743	0.214	6	42
283	139.75	34	1.641	0.909	0.726	0.207	6	42
282	139.25	34	1.629	0.870	0.710	0.201	6	42
281	138.75	34	1.617	0.832	0.694	0.195	6	42
280	138.25	34	1.605	0.796	0.678	0.189	6	42
279	137.75	34	1.594	0.760	0.662	0.183	5	42
278	137.25	34	1.582	0.725	0.646	0.177	5	42
277	136.75	34	1.571	0.691	0.631	0.171	5	43
276	136.25	34	1.559	0.658	0.616	0.165	5	43
275	135.75	35	1.548	0.626	0.602	0.159	5	43
274	135.25	35	1.537	0.595	0.587	0.153	5	43
273	134.75	35	1.525	0.565	0.573	0.148	4	43
272	134.25	35	1.514	0.536	0.560	0.142	4	43
271	133.75	35	1.503	0.508	0.546	0.137	4	43
270	133.25	35	1.491	0.480	0.533	0.132	4	43

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

269	132.75	35	1.480	0.454	0.520	0.126	4	43
268	132.25	35	1.469	0.428	0.507	0.121	4	43
267	131.75	35	1.458	0.403	0.494	0.116	4	44
266	131.25	35	1.447	0.379	0.482	0.111	3	44
265	130.75	41	1.436	0.356	0.470	0.106	4	51
264	130.25	41	1.425	0.333	0.458	0.101	4	51
263	129.75	41	1.414	0.311	0.447	0.096	3	51
262	129.25	41	1.403	0.290	0.435	0.092	3	51
261	128.75	41	1.392	0.270	0.424	0.087	3	51
260	128.25	42	1.382	0.250	0.413	0.083	3	51
259	127.75	42	1.371	0.231	0.402	0.078	3	51
258	127.25	42	1.360	0.213	0.392	0.074	3	52
257	126.75	42	1.350	0.195	0.382	0.069	3	52
256	126.25	42	1.339	0.178	0.372	0.065	2	52
255	125.75	42	1.328	0.162	0.362	0.061	2	52
254	125.25	42	1.318	0.146	0.352	0.057	2	52
253	124.75	42	1.307	0.131	0.343	0.053	2	52
252	124.25	42	1.297	0.116	0.333	0.049	2	52
251	123.75	42	1.286	0.102	0.324	0.045	2	52
250	123.25	42	1.276	0.089	0.315	0.041	2	52
249	122.75	42	1.266	0.076	0.307	0.037	1	52
248	122.25	42	1.255	0.063	0.298	0.033	1	53
247	121.75	43	1.245	0.052	0.290	0.030	1	53
246	121.25	43	1.235	0.040	0.282	0.026	1	53
245	120.75	43	1.225	0.029	0.274	0.023	1	53
244	120.25	43	1.215	0.019	0.266	0.020	1	53
243	119.75	43	1.205	0.009	0.258	0.016	1	53
242	119.25	43	1.195	0.000	0.251	0.013	0	53
241	118.75	43	1.185	-0.009	0.243	0.010	0	53
240	118.25	43	1.175	-0.018	0.236	0.007	0	53
239	117.75	43	1.165	-0.026	0.229	0.004	0	53
238	117.25	43	1.155	-0.034	0.222	0.001	0	54
237	116.75	43	1.145	-0.041	0.216	-0.002	0	54
236	116.25	69	1.135	-0.048	0.209	-0.005	0	85
235	115.75	69	1.125	-0.054	0.203	-0.008	0	85
234	115.25	69	1.116	-0.061	0.197	-0.010	-1	86
233	114.75	69	1.106	-0.066	0.191	-0.013	-1	86
232	114.25	69	1.096	-0.072	0.185	-0.015	-1	86
231	113.75	69	1.087	-0.077	0.179	-0.018	-1	86
230	113.25	69	1.077	-0.082	0.173	-0.020	-1	86
229	112.75	70	1.068	-0.086	0.168	-0.022	-1	86
228	112.25	70	1.058	-0.090	0.162	-0.025	-1	86
227	111.75	70	1.049	-0.094	0.157	-0.027	-2	86
226	111.25	70	1.040	-0.098	0.152	-0.029	-2	86
225	110.75	70	1.030	-0.101	0.147	-0.031	-2	86
224	110.25	70	1.021	-0.104	0.142	-0.033	-2	87
223	109.75	84	1.012	-0.107	0.137	-0.034	-2	103
222	109.25	84	1.003	-0.109	0.133	-0.036	-3	104
221	108.75	84	0.993	-0.111	0.128	-0.038	-3	104
220	108.25	84	0.984	-0.113	0.124	-0.040	-3	104
219	107.75	84	0.975	-0.115	0.119	-0.041	-3	104
218	107.25	84	0.966	-0.117	0.115	-0.043	-3	104
217	106.75	84	0.957	-0.118	0.111	-0.044	-3	104
216	106.25	84	0.948	-0.119	0.107	-0.045	-3	104
215	105.75	84	0.939	-0.120	0.103	-0.047	-3	105
214	105.25	85	0.931	-0.121	0.100	-0.048	-3	105
213	104.75	85	0.922	-0.121	0.096	-0.049	-4	105
212	104.25	85	0.913	-0.122	0.092	-0.050	-4	105
211	103.75	85	0.904	-0.122	0.089	-0.051	-4	105
210	103.25	85	0.895	-0.122	0.086	-0.052	-4	105
209	102.75	85	0.887	-0.122	0.082	-0.052	-4	105
208	102.25	85	0.878	-0.121	0.079	-0.053	-4	105
207	101.75	85	0.870	-0.121	0.076	-0.054	-4	106
206	101.25	85	0.861	-0.120	0.073	-0.054	-4	106

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

205	100.75	86	0.853	-0.119	0.070	-0.055	-4	106
204	100.25	86	0.844	-0.119	0.067	-0.055	-4	106
203	99.75	86	0.836	-0.118	0.065	-0.056	-4	106
202	99.25	86	0.827	-0.116	0.062	-0.056	-4	106
201	98.75	86	0.819	-0.115	0.059	-0.056	-4	106
200	98.25	86	0.811	-0.114	0.057	-0.056	-4	107
199	97.75	86	0.803	-0.112	0.055	-0.056	-4	107
198	97.25	86	0.794	-0.111	0.052	-0.056	-4	107
197	96.75	86	0.786	-0.109	0.050	-0.056	-4	107
196	96.25	86	0.778	-0.108	0.048	-0.056	-4	107
195	95.75	87	0.770	-0.106	0.046	-0.055	-4	107
194	95.25	87	0.762	-0.104	0.044	-0.055	-4	107
193	94.75	87	0.754	-0.102	0.042	-0.055	-4	107
192	94.25	87	0.746	-0.100	0.040	-0.054	-4	108
191	93.75	87	0.738	-0.098	0.038	-0.054	-4	108
190	93.25	87	0.730	-0.096	0.036	-0.053	-4	108
189	92.75	87	0.723	-0.094	0.034	-0.052	-4	108
188	92.25	87	0.715	-0.091	0.033	-0.051	-4	108
187	91.75	87	0.707	-0.089	0.031	-0.050	-4	108
186	91.25	88	0.699	-0.087	0.030	-0.049	-4	108
185	90.75	88	0.692	-0.084	0.028	-0.048	-4	108
184	90.25	88	0.684	-0.082	0.027	-0.047	-4	109
183	89.75	88	0.677	-0.080	0.026	-0.046	-4	109
182	89.25	88	0.669	-0.077	0.024	-0.045	-3	109
181	88.75	88	0.662	-0.075	0.023	-0.044	-3	109
180	88.25	88	0.654	-0.072	0.022	-0.042	-3	109
179	87.75	88	0.647	-0.070	0.021	-0.041	-3	109
178	87.25	88	0.639	-0.067	0.020	-0.039	-3	109
177	86.75	89	0.632	-0.064	0.019	-0.038	-3	110
176	86.25	89	0.625	-0.062	0.018	-0.036	-3	110
175	85.75	89	0.618	-0.059	0.017	-0.035	-3	110
174	85.25	89	0.610	-0.057	0.016	-0.033	-3	110
173	84.75	89	0.603	-0.054	0.015	-0.031	-2	110
172	84.25	89	0.596	-0.052	0.014	-0.029	-2	110
171	83.75	89	0.589	-0.049	0.013	-0.027	-2	110
170	83.25	89	0.582	-0.046	0.013	-0.025	-2	110
169	82.75	89	0.575	-0.044	0.012	-0.024	-2	111
168	82.25	89	0.568	-0.041	0.011	-0.022	-2	111
167	81.75	90	0.561	-0.039	0.011	-0.020	-2	111
166	81.25	90	0.555	-0.036	0.010	-0.018	-1	111
165	80.75	90	0.548	-0.034	0.010	-0.016	-1	111
164	80.25	90	0.541	-0.031	0.009	-0.013	-1	111
163	79.75	90	0.534	-0.029	0.009	-0.011	-1	111
162	79.25	90	0.528	-0.026	0.008	-0.009	-1	112
161	78.75	90	0.521	-0.024	0.008	-0.007	-1	112
160	78.25	90	0.514	-0.021	0.008	-0.005	0	112
159	77.75	90	0.508	-0.019	0.007	-0.003	0	112
158	77.25	91	0.501	-0.017	0.007	-0.001	0	112
157	76.75	91	0.495	-0.014	0.007	0.001	0	112
156	76.25	91	0.488	-0.012	0.007	0.003	0	112
155	75.75	91	0.482	-0.010	0.006	0.005	0	112
154	75.25	91	0.476	-0.007	0.006	0.007	1	113
153	74.75	91	0.469	-0.005	0.006	0.009	1	113
152	74.25	91	0.463	-0.003	0.006	0.011	1	113
151	73.75	91	0.457	-0.001	0.006	0.013	1	113
150	73.41	46	0.453	0.001	0.006	0.014	1	57
149	73.17	94	0.450	0.002	0.006	0.015	1	117
148	72.75	143	0.445	0.003	0.006	0.017	2	177
147	72.25	143	0.438	0.006	0.006	0.019	2	177
146	71.75	143	0.432	0.008	0.006	0.020	3	177
145	71.25	144	0.426	0.010	0.006	0.022	3	178
144	70.75	144	0.420	0.012	0.006	0.024	3	178
143	70.25	144	0.415	0.013	0.006	0.026	3	178
142	69.75	107	0.409	0.015	0.006	0.027	3	132

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

141	69.25	107	0.403	0.017	0.006	0.029	3	132
140	68.75	107	0.397	0.019	0.007	0.030	3	133
139	68.25	107	0.391	0.021	0.007	0.032	3	133
138	67.75	107	0.386	0.023	0.007	0.033	3	133
137	67.25	108	0.380	0.024	0.007	0.035	3	133
136	66.75	108	0.374	0.026	0.007	0.036	3	133
135	66.25	108	0.369	0.028	0.008	0.037	3	133
134	65.75	108	0.363	0.029	0.008	0.038	4	134
133	65.25	108	0.358	0.031	0.008	0.040	4	134
132	64.75	108	0.352	0.032	0.009	0.041	4	134
131	64.25	108	0.347	0.034	0.009	0.042	4	134
130	63.75	108	0.341	0.035	0.009	0.043	4	134
129	63.25	109	0.336	0.037	0.010	0.044	4	134
128	62.75	109	0.331	0.038	0.010	0.045	4	135
127	62.25	109	0.326	0.039	0.010	0.046	4	135
126	61.75	109	0.320	0.040	0.011	0.046	4	135
125	61.25	109	0.315	0.042	0.011	0.047	4	135
124	60.75	109	0.310	0.043	0.011	0.048	5	135
123	60.25	109	0.305	0.044	0.012	0.049	5	135
122	59.75	110	0.300	0.045	0.012	0.049	5	136
121	59.25	110	0.295	0.046	0.013	0.050	5	136
120	58.75	110	0.290	0.048	0.013	0.050	5	136
119	58.25	110	0.285	0.049	0.014	0.051	5	136
118	57.75	110	0.280	0.050	0.014	0.052	5	136
117	57.25	110	0.275	0.051	0.014	0.052	5	136
116	56.75	110	0.271	0.051	0.015	0.052	5	137
115	56.25	110	0.266	0.052	0.015	0.053	5	137
114	55.75	111	0.261	0.053	0.016	0.053	5	137
113	55.25	111	0.256	0.054	0.016	0.054	5	137
112	54.75	111	0.252	0.055	0.017	0.054	5	137
111	54.25	111	0.247	0.056	0.017	0.054	5	137
110	53.75	111	0.243	0.057	0.018	0.054	5	138
109	53.25	111	0.238	0.057	0.018	0.055	5	138
108	52.75	111	0.234	0.058	0.019	0.055	5	138
107	52.25	112	0.229	0.059	0.020	0.055	5	138
106	51.75	112	0.225	0.059	0.020	0.055	5	138
105	51.25	112	0.221	0.060	0.021	0.055	5	138
104	50.75	112	0.216	0.061	0.021	0.055	5	139
103	50.25	112	0.212	0.061	0.022	0.055	5	139
102	49.75	112	0.208	0.062	0.022	0.056	5	139
101	49.25	112	0.204	0.062	0.023	0.056	5	139
100	48.75	113	0.200	0.063	0.023	0.056	5	139
99	48.25	113	0.196	0.063	0.024	0.056	5	139
98	47.75	113	0.192	0.064	0.024	0.056	5	140
97	47.25	113	0.188	0.064	0.025	0.056	5	140
96	46.75	113	0.184	0.065	0.025	0.056	5	140
95	46.25	113	0.180	0.065	0.026	0.056	5	140
94	45.75	113	0.176	0.066	0.026	0.056	5	140
93	45.25	113	0.172	0.066	0.027	0.056	5	140
92	44.75	114	0.168	0.066	0.028	0.055	5	141
91	44.25	114	0.164	0.067	0.028	0.055	5	141
90	43.75	114	0.161	0.067	0.029	0.055	5	141
89	43.25	114	0.157	0.067	0.029	0.055	5	141
88	42.75	114	0.154	0.068	0.030	0.055	5	141
87	42.25	114	0.150	0.068	0.030	0.055	5	141
86	41.75	114	0.146	0.068	0.031	0.055	5	142
85	41.25	115	0.143	0.068	0.031	0.055	5	142
84	40.75	115	0.139	0.069	0.032	0.055	5	142
83	40.25	115	0.136	0.069	0.032	0.055	5	142
82	39.75	115	0.133	0.069	0.033	0.055	5	142
81	39.25	115	0.129	0.069	0.033	0.054	5	142
80	38.75	115	0.126	0.070	0.034	0.054	5	143
79	38.25	115	0.123	0.070	0.034	0.054	5	143
78	37.75	115	0.120	0.070	0.034	0.054	5	143

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

77	37.25	116	0.117	0.070	0.035	0.054	5	143
76	36.83	76	0.114	0.070	0.035	0.054	4	95
75	36.58	42	0.112	0.070	0.035	0.054	2	51
74	36.25	122	0.110	0.070	0.036	0.054	6	151
73	35.83	82	0.108	0.071	0.036	0.054	4	101
72	35.58	62	0.106	0.071	0.036	0.054	3	77
71	35.25	187	0.104	0.071	0.037	0.053	9	232
70	34.75	187	0.101	0.071	0.037	0.053	9	232
69	34.25	188	0.099	0.071	0.037	0.053	9	232
68	33.75	188	0.096	0.071	0.038	0.053	9	233
67	33.25	188	0.093	0.071	0.038	0.053	9	233
66	32.75	189	0.090	0.071	0.038	0.053	9	233
65	32.25	189	0.087	0.071	0.039	0.053	9	234
64	31.75	189	0.085	0.071	0.039	0.053	9	234
63	31.25	133	0.082	0.072	0.039	0.052	6	165
62	30.75	134	0.079	0.072	0.040	0.052	6	165
61	30.25	134	0.077	0.072	0.040	0.052	6	165
60	29.75	134	0.074	0.072	0.040	0.052	6	166
59	29.25	134	0.072	0.072	0.040	0.052	6	166
58	28.75	134	0.069	0.072	0.041	0.052	6	166
57	28.25	134	0.067	0.072	0.041	0.052	6	166
56	27.75	135	0.065	0.072	0.041	0.052	6	166
55	27.25	135	0.062	0.072	0.041	0.051	6	167
54	26.75	135	0.060	0.072	0.041	0.051	6	167
53	26.25	135	0.058	0.072	0.041	0.051	6	167
52	25.75	135	0.056	0.071	0.042	0.051	6	167
51	25.25	135	0.054	0.071	0.042	0.051	6	167
50	24.75	135	0.051	0.071	0.042	0.051	6	168
49	24.25	136	0.049	0.071	0.042	0.051	6	168
48	23.75	136	0.047	0.071	0.042	0.050	6	168
47	23.25	136	0.045	0.071	0.042	0.050	6	168
46	22.75	136	0.043	0.071	0.042	0.050	6	168
45	22.25	136	0.042	0.070	0.042	0.050	6	169
44	21.75	136	0.040	0.070	0.042	0.050	6	169
43	21.25	137	0.038	0.070	0.041	0.050	6	169
42	20.75	137	0.036	0.070	0.041	0.049	6	169
41	20.25	137	0.034	0.069	0.041	0.049	6	169
40	19.75	137	0.033	0.069	0.041	0.049	6	170
39	19.25	137	0.031	0.068	0.041	0.049	6	170
38	18.75	137	0.030	0.068	0.040	0.048	6	170
37	18.25	138	0.028	0.068	0.040	0.048	6	170
36	17.75	138	0.026	0.067	0.040	0.048	6	170
35	17.25	138	0.025	0.066	0.039	0.048	6	171
34	16.75	138	0.024	0.066	0.039	0.047	6	171
33	16.25	138	0.022	0.065	0.039	0.047	6	171
32	15.75	138	0.021	0.065	0.038	0.047	6	171
31	15.25	139	0.020	0.064	0.038	0.046	6	171
30	14.75	139	0.018	0.063	0.037	0.046	5	172
29	14.25	139	0.017	0.062	0.037	0.045	5	172
28	13.75	139	0.016	0.061	0.036	0.045	5	172
27	13.25	139	0.015	0.060	0.035	0.044	5	172
26	12.75	139	0.014	0.059	0.035	0.044	5	172
25	12.25	140	0.013	0.058	0.034	0.043	5	173
24	11.75	140	0.012	0.057	0.033	0.043	5	173
23	11.25	140	0.011	0.056	0.032	0.042	5	173
22	10.75	140	0.010	0.054	0.031	0.041	5	173
21	10.25	140	0.009	0.053	0.031	0.040	5	173
20	9.75	140	0.008	0.052	0.030	0.039	5	174
19	9.25	140	0.007	0.050	0.029	0.039	5	174
18	8.75	141	0.006	0.048	0.028	0.038	5	174
17	8.25	141	0.006	0.047	0.026	0.037	4	174
16	7.75	118	0.005	0.045	0.025	0.035	4	146
15	7.25	118	0.004	0.043	0.024	0.034	4	146
14	6.75	118	0.004	0.041	0.023	0.033	3	147

13	6.25	119	0.003	0.039	0.022	0.032	3	147
12	5.75	119	0.003	0.036	0.020	0.030	3	147
11	5.25	119	0.002	0.034	0.019	0.029	3	147
10	4.75	119	0.002	0.031	0.017	0.027	3	147
9	4.25	119	0.002	0.029	0.016	0.025	3	148
8	3.75	119	0.001	0.026	0.014	0.023	2	148
7	3.25	120	0.001	0.023	0.012	0.021	2	148
6	2.75	120	0.001	0.020	0.011	0.018	2	148
5	2.25	120	0.000	0.017	0.009	0.016	2	148
4	1.75	120	0.000	0.013	0.007	0.013	1	149
3	1.25	120	0.000	0.010	0.005	0.009	1	149
2	0.75	120	0.000	0.006	0.003	0.006	1	149
1	0.25	121	0.000	0.002	0.001	0.002	0	149
Kaelus DBC0061F1V51-	150.00	153	1.890	1.980	1.140	0.354	47	189
Decibel DB910CE-M	150.00	16	1.890	1.980	1.140	0.354	5	20
Raycap DC6-48-60-18-	150.00	32	1.890	1.980	1.140	0.354	10	39
Raycap DC6-48-60-18-	150.00	32	1.890	1.980	1.140	0.354	10	39
Powerwave LGP17201	150.00	186	1.890	1.980	1.140	0.354	57	230
Ericsson RRUS 11 (Ba	150.00	165	1.890	1.980	1.140	0.354	51	204
Ericsson RRUS 32 (50	150.00	152	1.890	1.980	1.140	0.354	47	189
Ericsson RRUS 32 B2	150.00	159	1.890	1.980	1.140	0.354	49	197
Powerwave Allgon 777	150.00	105	1.890	1.980	1.140	0.354	32	130
KMW AM-X-CD-16-65-00	150.00	97	1.890	1.980	1.140	0.354	30	120
Quintel QS66512-2	150.00	333	1.890	1.980	1.140	0.354	102	412
Powerwave P65-17-XLH	150.00	50	1.890	1.980	1.140	0.354	15	62
Round Platform w/ Ha	150.00	2,000	1.890	1.980	1.140	0.354	613	2,475
RFS APXV18-206517LS-	141.00	66	1.670	1.012	0.769	0.223	13	82
Alcatel-Lucent RRH2x	131.00	317	1.442	0.367	0.476	0.109	30	393
Alcatel-Lucent 1900	131.00	180	1.442	0.367	0.476	0.109	17	223
Decibel DB844H90E-XY	131.00	84	1.442	0.367	0.476	0.109	8	104
Alcatel-Lucent TD-RR	131.00	210	1.442	0.367	0.476	0.109	20	260
RFS APXVTM14-ALU-I20	131.00	169	1.442	0.367	0.476	0.109	16	209
Commscope NNVV-	131.00	232	1.442	0.367	0.476	0.109	22	287
Round Platform w/ Ha	131.00	2,000	1.442	0.367	0.476	0.109	188	2,475
		35,073	226.002	73.461	67.148	19.212	2,174	43,405

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)
303	149.75	30	1.884	1.947	1.128	0.350	9	26
302	149.25	30	1.871	1.882	1.105	0.342	9	26
301	148.75	30	1.859	1.819	1.081	0.334	9	26
300	148.25	30	1.846	1.757	1.059	0.326	8	26
299	147.75	30	1.834	1.696	1.036	0.319	8	26
298	147.25	30	1.821	1.637	1.014	0.311	8	26
297	146.75	30	1.809	1.580	0.993	0.303	8	26
296	146.25	30	1.797	1.523	0.972	0.296	8	26
295	145.75	30	1.784	1.469	0.951	0.289	8	26
294	145.25	31	1.772	1.415	0.930	0.282	7	26
293	144.75	31	1.760	1.363	0.910	0.274	7	26
292	144.25	31	1.748	1.312	0.890	0.267	7	26
291	143.75	31	1.736	1.263	0.871	0.260	7	27
290	143.25	31	1.724	1.214	0.851	0.253	7	27
289	142.75	31	1.712	1.167	0.833	0.247	7	27
288	142.25	31	1.700	1.121	0.814	0.240	6	27
287	141.75	31	1.688	1.077	0.796	0.233	6	27
286	141.25	31	1.676	1.033	0.778	0.226	6	27
285	140.75	34	1.664	0.991	0.761	0.220	6	29

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

284	140.25	34	1.652	0.950	0.743	0.214	6	29
283	139.75	34	1.641	0.909	0.726	0.207	6	29
282	139.25	34	1.629	0.870	0.710	0.201	6	29
281	138.75	34	1.617	0.832	0.694	0.195	6	29
280	138.25	34	1.605	0.796	0.678	0.189	6	29
279	137.75	34	1.594	0.760	0.662	0.183	5	30
278	137.25	34	1.582	0.725	0.646	0.177	5	30
277	136.75	34	1.571	0.691	0.631	0.171	5	30
276	136.25	34	1.559	0.658	0.616	0.165	5	30
275	135.75	35	1.548	0.626	0.602	0.159	5	30
274	135.25	35	1.537	0.595	0.587	0.153	5	30
273	134.75	35	1.525	0.565	0.573	0.148	4	30
272	134.25	35	1.514	0.536	0.560	0.142	4	30
271	133.75	35	1.503	0.508	0.546	0.137	4	30
270	133.25	35	1.491	0.480	0.533	0.132	4	30
269	132.75	35	1.480	0.454	0.520	0.126	4	30
268	132.25	35	1.469	0.428	0.507	0.121	4	30
267	131.75	35	1.458	0.403	0.494	0.116	4	30
266	131.25	35	1.447	0.379	0.482	0.111	3	30
265	130.75	41	1.436	0.356	0.470	0.106	4	35
264	130.25	41	1.425	0.333	0.458	0.101	4	36
263	129.75	41	1.414	0.311	0.447	0.096	3	36
262	129.25	41	1.403	0.290	0.435	0.092	3	36
261	128.75	41	1.392	0.270	0.424	0.087	3	36
260	128.25	42	1.382	0.250	0.413	0.083	3	36
259	127.75	42	1.371	0.231	0.402	0.078	3	36
258	127.25	42	1.360	0.213	0.392	0.074	3	36
257	126.75	42	1.350	0.195	0.382	0.069	3	36
256	126.25	42	1.339	0.178	0.372	0.065	2	36
255	125.75	42	1.328	0.162	0.362	0.061	2	36
254	125.25	42	1.318	0.146	0.352	0.057	2	36
253	124.75	42	1.307	0.131	0.343	0.053	2	36
252	124.25	42	1.297	0.116	0.333	0.049	2	36
251	123.75	42	1.286	0.102	0.324	0.045	2	36
250	123.25	42	1.276	0.089	0.315	0.041	2	36
249	122.75	42	1.266	0.076	0.307	0.037	1	37
248	122.25	42	1.255	0.063	0.298	0.033	1	37
247	121.75	43	1.245	0.052	0.290	0.030	1	37
246	121.25	43	1.235	0.040	0.282	0.026	1	37
245	120.75	43	1.225	0.029	0.274	0.023	1	37
244	120.25	43	1.215	0.019	0.266	0.020	1	37
243	119.75	43	1.205	0.009	0.258	0.016	1	37
242	119.25	43	1.195	0.000	0.251	0.013	0	37
241	118.75	43	1.185	-0.009	0.243	0.010	0	37
240	118.25	43	1.175	-0.018	0.236	0.007	0	37
239	117.75	43	1.165	-0.026	0.229	0.004	0	37
238	117.25	43	1.155	-0.034	0.222	0.001	0	37
237	116.75	43	1.145	-0.041	0.216	-0.002	0	37
236	116.25	69	1.135	-0.048	0.209	-0.005	0	59
235	115.75	69	1.125	-0.054	0.203	-0.008	0	60
234	115.25	69	1.116	-0.061	0.197	-0.010	-1	60
233	114.75	69	1.106	-0.066	0.191	-0.013	-1	60
232	114.25	69	1.096	-0.072	0.185	-0.015	-1	60
231	113.75	69	1.087	-0.077	0.179	-0.018	-1	60
230	113.25	69	1.077	-0.082	0.173	-0.020	-1	60
229	112.75	70	1.068	-0.086	0.168	-0.022	-1	60
228	112.25	70	1.058	-0.090	0.162	-0.025	-1	60
227	111.75	70	1.049	-0.094	0.157	-0.027	-2	60
226	111.25	70	1.040	-0.098	0.152	-0.029	-2	60
225	110.75	70	1.030	-0.101	0.147	-0.031	-2	60
224	110.25	70	1.021	-0.104	0.142	-0.033	-2	60
223	109.75	84	1.012	-0.107	0.137	-0.034	-2	72
222	109.25	84	1.003	-0.109	0.133	-0.036	-3	72
221	108.75	84	0.993	-0.111	0.128	-0.038	-3	72

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

220	108.25	84	0.984	-0.113	0.124	-0.040	-3	72
219	107.75	84	0.975	-0.115	0.119	-0.041	-3	72
218	107.25	84	0.966	-0.117	0.115	-0.043	-3	73
217	106.75	84	0.957	-0.118	0.111	-0.044	-3	73
216	106.25	84	0.948	-0.119	0.107	-0.045	-3	73
215	105.75	84	0.939	-0.120	0.103	-0.047	-3	73
214	105.25	85	0.931	-0.121	0.100	-0.048	-3	73
213	104.75	85	0.922	-0.121	0.096	-0.049	-4	73
212	104.25	85	0.913	-0.122	0.092	-0.050	-4	73
211	103.75	85	0.904	-0.122	0.089	-0.051	-4	73
210	103.25	85	0.895	-0.122	0.086	-0.052	-4	73
209	102.75	85	0.887	-0.122	0.082	-0.052	-4	73
208	102.25	85	0.878	-0.121	0.079	-0.053	-4	73
207	101.75	85	0.870	-0.121	0.076	-0.054	-4	74
206	101.25	85	0.861	-0.120	0.073	-0.054	-4	74
205	100.75	86	0.853	-0.119	0.070	-0.055	-4	74
204	100.25	86	0.844	-0.119	0.067	-0.055	-4	74
203	99.75	86	0.836	-0.118	0.065	-0.056	-4	74
202	99.25	86	0.827	-0.116	0.062	-0.056	-4	74
201	98.75	86	0.819	-0.115	0.059	-0.056	-4	74
200	98.25	86	0.811	-0.114	0.057	-0.056	-4	74
199	97.75	86	0.803	-0.112	0.055	-0.056	-4	74
198	97.25	86	0.794	-0.111	0.052	-0.056	-4	74
197	96.75	86	0.786	-0.109	0.050	-0.056	-4	74
196	96.25	86	0.778	-0.108	0.048	-0.056	-4	75
195	95.75	87	0.770	-0.106	0.046	-0.055	-4	75
194	95.25	87	0.762	-0.104	0.044	-0.055	-4	75
193	94.75	87	0.754	-0.102	0.042	-0.055	-4	75
192	94.25	87	0.746	-0.100	0.040	-0.054	-4	75
191	93.75	87	0.738	-0.098	0.038	-0.054	-4	75
190	93.25	87	0.730	-0.096	0.036	-0.053	-4	75
189	92.75	87	0.723	-0.094	0.034	-0.052	-4	75
188	92.25	87	0.715	-0.091	0.033	-0.051	-4	75
187	91.75	87	0.707	-0.089	0.031	-0.050	-4	75
186	91.25	88	0.699	-0.087	0.030	-0.049	-4	76
185	90.75	88	0.692	-0.084	0.028	-0.048	-4	76
184	90.25	88	0.684	-0.082	0.027	-0.047	-4	76
183	89.75	88	0.677	-0.080	0.026	-0.046	-4	76
182	89.25	88	0.669	-0.077	0.024	-0.045	-3	76
181	88.75	88	0.662	-0.075	0.023	-0.044	-3	76
180	88.25	88	0.654	-0.072	0.022	-0.042	-3	76
179	87.75	88	0.647	-0.070	0.021	-0.041	-3	76
178	87.25	88	0.639	-0.067	0.020	-0.039	-3	76
177	86.75	89	0.632	-0.064	0.019	-0.038	-3	76
176	86.25	89	0.625	-0.062	0.018	-0.036	-3	76
175	85.75	89	0.618	-0.059	0.017	-0.035	-3	77
174	85.25	89	0.610	-0.057	0.016	-0.033	-3	77
173	84.75	89	0.603	-0.054	0.015	-0.031	-2	77
172	84.25	89	0.596	-0.052	0.014	-0.029	-2	77
171	83.75	89	0.589	-0.049	0.013	-0.027	-2	77
170	83.25	89	0.582	-0.046	0.013	-0.025	-2	77
169	82.75	89	0.575	-0.044	0.012	-0.024	-2	77
168	82.25	89	0.568	-0.041	0.011	-0.022	-2	77
167	81.75	90	0.561	-0.039	0.011	-0.020	-2	77
166	81.25	90	0.555	-0.036	0.010	-0.018	-1	77
165	80.75	90	0.548	-0.034	0.010	-0.016	-1	77
164	80.25	90	0.541	-0.031	0.009	-0.013	-1	78
163	79.75	90	0.534	-0.029	0.009	-0.011	-1	78
162	79.25	90	0.528	-0.026	0.008	-0.009	-1	78
161	78.75	90	0.521	-0.024	0.008	-0.007	-1	78
160	78.25	90	0.514	-0.021	0.008	-0.005	0	78
159	77.75	90	0.508	-0.019	0.007	-0.003	0	78
158	77.25	91	0.501	-0.017	0.007	-0.001	0	78
157	76.75	91	0.495	-0.014	0.007	0.001	0	78

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

156	76.25	91	0.488	-0.012	0.007	0.003	0	78
155	75.75	91	0.482	-0.010	0.006	0.005	0	78
154	75.25	91	0.476	-0.007	0.006	0.007	1	78
153	74.75	91	0.469	-0.005	0.006	0.009	1	79
152	74.25	91	0.463	-0.003	0.006	0.011	1	79
151	73.75	91	0.457	-0.001	0.006	0.013	1	79
150	73.41	46	0.453	0.001	0.006	0.014	1	40
149	73.17	94	0.450	0.002	0.006	0.015	1	81
148	72.75	143	0.445	0.003	0.006	0.017	2	123
147	72.25	143	0.438	0.006	0.006	0.019	2	123
146	71.75	143	0.432	0.008	0.006	0.020	3	124
145	71.25	144	0.426	0.010	0.006	0.022	3	124
144	70.75	144	0.420	0.012	0.006	0.024	3	124
143	70.25	144	0.415	0.013	0.006	0.026	3	124
142	69.75	107	0.409	0.015	0.006	0.027	3	92
141	69.25	107	0.403	0.017	0.006	0.029	3	92
140	68.75	107	0.397	0.019	0.007	0.030	3	92
139	68.25	107	0.391	0.021	0.007	0.032	3	93
138	67.75	107	0.386	0.023	0.007	0.033	3	93
137	67.25	108	0.380	0.024	0.007	0.035	3	93
136	66.75	108	0.374	0.026	0.007	0.036	3	93
135	66.25	108	0.369	0.028	0.008	0.037	3	93
134	65.75	108	0.363	0.029	0.008	0.038	4	93
133	65.25	108	0.358	0.031	0.008	0.040	4	93
132	64.75	108	0.352	0.032	0.009	0.041	4	93
131	64.25	108	0.347	0.034	0.009	0.042	4	93
130	63.75	108	0.341	0.035	0.009	0.043	4	94
129	63.25	109	0.336	0.037	0.010	0.044	4	94
128	62.75	109	0.331	0.038	0.010	0.045	4	94
127	62.25	109	0.326	0.039	0.010	0.046	4	94
126	61.75	109	0.320	0.040	0.011	0.046	4	94
125	61.25	109	0.315	0.042	0.011	0.047	4	94
124	60.75	109	0.310	0.043	0.011	0.048	5	94
123	60.25	109	0.305	0.044	0.012	0.049	5	94
122	59.75	110	0.300	0.045	0.012	0.049	5	94
121	59.25	110	0.295	0.046	0.013	0.050	5	95
120	58.75	110	0.290	0.048	0.013	0.050	5	95
119	58.25	110	0.285	0.049	0.014	0.051	5	95
118	57.75	110	0.280	0.050	0.014	0.052	5	95
117	57.25	110	0.275	0.051	0.014	0.052	5	95
116	56.75	110	0.271	0.051	0.015	0.052	5	95
115	56.25	110	0.266	0.052	0.015	0.053	5	95
114	55.75	111	0.261	0.053	0.016	0.053	5	95
113	55.25	111	0.256	0.054	0.016	0.054	5	96
112	54.75	111	0.252	0.055	0.017	0.054	5	96
111	54.25	111	0.247	0.056	0.017	0.054	5	96
110	53.75	111	0.243	0.057	0.018	0.054	5	96
109	53.25	111	0.238	0.057	0.018	0.055	5	96
108	52.75	111	0.234	0.058	0.019	0.055	5	96
107	52.25	112	0.229	0.059	0.020	0.055	5	96
106	51.75	112	0.225	0.059	0.020	0.055	5	96
105	51.25	112	0.221	0.060	0.021	0.055	5	96
104	50.75	112	0.216	0.061	0.021	0.055	5	97
103	50.25	112	0.212	0.061	0.022	0.055	5	97
102	49.75	112	0.208	0.062	0.022	0.056	5	97
101	49.25	112	0.204	0.062	0.023	0.056	5	97
100	48.75	113	0.200	0.063	0.023	0.056	5	97
99	48.25	113	0.196	0.063	0.024	0.056	5	97
98	47.75	113	0.192	0.064	0.024	0.056	5	97
97	47.25	113	0.188	0.064	0.025	0.056	5	97
96	46.75	113	0.184	0.065	0.025	0.056	5	97
95	46.25	113	0.180	0.065	0.026	0.056	5	98
94	45.75	113	0.176	0.066	0.026	0.056	5	98
93	45.25	113	0.172	0.066	0.027	0.056	5	98

Site Number: 302494

Code: ANSI/TIA-222-G

@2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

92	44.75	114	0.168	0.066	0.028	0.055	5	98
91	44.25	114	0.164	0.067	0.028	0.055	5	98
90	43.75	114	0.161	0.067	0.029	0.055	5	98
89	43.25	114	0.157	0.067	0.029	0.055	5	98
88	42.75	114	0.154	0.068	0.030	0.055	5	98
87	42.25	114	0.150	0.068	0.030	0.055	5	99
86	41.75	114	0.146	0.068	0.031	0.055	5	99
85	41.25	115	0.143	0.068	0.031	0.055	5	99
84	40.75	115	0.139	0.069	0.032	0.055	5	99
83	40.25	115	0.136	0.069	0.032	0.055	5	99
82	39.75	115	0.133	0.069	0.033	0.055	5	99
81	39.25	115	0.129	0.069	0.033	0.054	5	99
80	38.75	115	0.126	0.070	0.034	0.054	5	99
79	38.25	115	0.123	0.070	0.034	0.054	5	99
78	37.75	115	0.120	0.070	0.034	0.054	5	100
77	37.25	116	0.117	0.070	0.035	0.054	5	100
76	36.83	76	0.114	0.070	0.035	0.054	4	66
75	36.58	42	0.112	0.070	0.035	0.054	2	36
74	36.25	122	0.110	0.070	0.036	0.054	6	105
73	35.83	82	0.108	0.071	0.036	0.054	4	70
72	35.58	62	0.106	0.071	0.036	0.054	3	54
71	35.25	187	0.104	0.071	0.037	0.053	9	161
70	34.75	187	0.101	0.071	0.037	0.053	9	162
69	34.25	188	0.099	0.071	0.037	0.053	9	162
68	33.75	188	0.096	0.071	0.038	0.053	9	162
67	33.25	188	0.093	0.071	0.038	0.053	9	162
66	32.75	189	0.090	0.071	0.038	0.053	9	163
65	32.25	189	0.087	0.071	0.039	0.053	9	163
64	31.75	189	0.085	0.071	0.039	0.053	9	163
63	31.25	133	0.082	0.072	0.039	0.052	6	115
62	30.75	134	0.079	0.072	0.040	0.052	6	115
61	30.25	134	0.077	0.072	0.040	0.052	6	115
60	29.75	134	0.074	0.072	0.040	0.052	6	115
59	29.25	134	0.072	0.072	0.040	0.052	6	116
58	28.75	134	0.069	0.072	0.041	0.052	6	116
57	28.25	134	0.067	0.072	0.041	0.052	6	116
56	27.75	135	0.065	0.072	0.041	0.052	6	116
55	27.25	135	0.062	0.072	0.041	0.051	6	116
54	26.75	135	0.060	0.072	0.041	0.051	6	116
53	26.25	135	0.058	0.072	0.041	0.051	6	116
52	25.75	135	0.056	0.071	0.042	0.051	6	117
51	25.25	135	0.054	0.071	0.042	0.051	6	117
50	24.75	135	0.051	0.071	0.042	0.051	6	117
49	24.25	136	0.049	0.071	0.042	0.051	6	117
48	23.75	136	0.047	0.071	0.042	0.050	6	117
47	23.25	136	0.045	0.071	0.042	0.050	6	117
46	22.75	136	0.043	0.071	0.042	0.050	6	117
45	22.25	136	0.042	0.070	0.042	0.050	6	118
44	21.75	136	0.040	0.070	0.042	0.050	6	118
43	21.25	137	0.038	0.070	0.041	0.050	6	118
42	20.75	137	0.036	0.070	0.041	0.049	6	118
41	20.25	137	0.034	0.069	0.041	0.049	6	118
40	19.75	137	0.033	0.069	0.041	0.049	6	118
39	19.25	137	0.031	0.068	0.041	0.049	6	118
38	18.75	137	0.030	0.068	0.040	0.048	6	119
37	18.25	138	0.028	0.068	0.040	0.048	6	119
36	17.75	138	0.026	0.067	0.040	0.048	6	119
35	17.25	138	0.025	0.066	0.039	0.048	6	119
34	16.75	138	0.024	0.066	0.039	0.047	6	119
33	16.25	138	0.022	0.065	0.039	0.047	6	119
32	15.75	138	0.021	0.065	0.038	0.047	6	119
31	15.25	139	0.020	0.064	0.038	0.046	6	119
30	14.75	139	0.018	0.063	0.037	0.046	5	120
29	14.25	139	0.017	0.062	0.037	0.045	5	120

28	13.75	139	0.016	0.061	0.036	0.045	5	120
27	13.25	139	0.015	0.060	0.035	0.044	5	120
26	12.75	139	0.014	0.059	0.035	0.044	5	120
25	12.25	140	0.013	0.058	0.034	0.043	5	120
24	11.75	140	0.012	0.057	0.033	0.043	5	120
23	11.25	140	0.011	0.056	0.032	0.042	5	121
22	10.75	140	0.010	0.054	0.031	0.041	5	121
21	10.25	140	0.009	0.053	0.031	0.040	5	121
20	9.75	140	0.008	0.052	0.030	0.039	5	121
19	9.25	140	0.007	0.050	0.029	0.039	5	121
18	8.75	141	0.006	0.048	0.028	0.038	5	121
17	8.25	141	0.006	0.047	0.026	0.037	4	121
16	7.75	118	0.005	0.045	0.025	0.035	4	102
15	7.25	118	0.004	0.043	0.024	0.034	4	102
14	6.75	118	0.004	0.041	0.023	0.033	3	102
13	6.25	119	0.003	0.039	0.022	0.032	3	102
12	5.75	119	0.003	0.036	0.020	0.030	3	102
11	5.25	119	0.002	0.034	0.019	0.029	3	103
10	4.75	119	0.002	0.031	0.017	0.027	3	103
9	4.25	119	0.002	0.029	0.016	0.025	3	103
8	3.75	119	0.001	0.026	0.014	0.023	2	103
7	3.25	120	0.001	0.023	0.012	0.021	2	103
6	2.75	120	0.001	0.020	0.011	0.018	2	103
5	2.25	120	0.000	0.017	0.009	0.016	2	103
4	1.75	120	0.000	0.013	0.007	0.013	1	104
3	1.25	120	0.000	0.010	0.005	0.009	1	104
2	0.75	120	0.000	0.006	0.003	0.006	1	104
1	0.25	121	0.000	0.002	0.001	0.002	0	104
Kaelus DBC0061F1V51-	150.00	153	1.890	1.980	1.140	0.354	47	132
Decibel DB910CE-M	150.00	16	1.890	1.980	1.140	0.354	5	14
Raycap DC6-48-60-18-	150.00	32	1.890	1.980	1.140	0.354	10	27
Raycap DC6-48-60-18-	150.00	32	1.890	1.980	1.140	0.354	10	27
Powerwave LGP17201	150.00	186	1.890	1.980	1.140	0.354	57	160
Ericsson RRUS 11 (Ba	150.00	165	1.890	1.980	1.140	0.354	51	142
Ericsson RRUS 32 (50	150.00	152	1.890	1.980	1.140	0.354	47	131
Ericsson RRUS 32 B2	150.00	159	1.890	1.980	1.140	0.354	49	137
Powerwave Allgon 777	150.00	105	1.890	1.980	1.140	0.354	32	91
KMW AM-X-CD-16-65-00	150.00	97	1.890	1.980	1.140	0.354	30	84
Quintel QS66512-2	150.00	333	1.890	1.980	1.140	0.354	102	287
Powerwave P65-17-XLH	150.00	50	1.890	1.980	1.140	0.354	15	43
Round Platform w/ Ha	150.00	2,000	1.890	1.980	1.140	0.354	613	1,725
RFS APXV18-206517LS-	141.00	66	1.670	1.012	0.769	0.223	13	57
Alcatel-Lucent RRH2x	131.00	317	1.442	0.367	0.476	0.109	30	274
Alcatel-Lucent 1900	131.00	180	1.442	0.367	0.476	0.109	17	155
Decibel DB844H90E-XY	131.00	84	1.442	0.367	0.476	0.109	8	72
Alcatel-Lucent TD-RR	131.00	210	1.442	0.367	0.476	0.109	20	181
RFS APXVTM14-ALU-I20	131.00	169	1.442	0.367	0.476	0.109	16	145
Commscope NNVV-	131.00	232	1.442	0.367	0.476	0.109	22	200
Round Platform w/ Ha	131.00	2,000	1.442	0.367	0.476	0.109	188	1,725
		35,073	226.002	73.461	67.148	19.212	2,174	30,249

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-43.26	-2.17	0.00	-267.23	0.00	267.23	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.077
0.50	-43.11	-2.17	0.00	-266.15	0.00	266.15	3,152.93	1,576.47	4,795.55	2,368.34	0.00	0.00	0.077
1.00	-42.96	-2.18	0.00	-265.06	0.00	265.06	3,148.69	1,574.34	4,778.83	2,360.09	0.00	-0.01	0.077
1.50	-42.81	-2.18	0.00	-263.97	0.00	263.97	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.01	0.077
2.00	-42.66	-2.18	0.00	-262.88	0.00	262.88	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.01	0.077
2.50	-42.51	-2.18	0.00	-261.79	0.00	261.79	3,135.89	1,567.94	4,728.75	2,335.35	0.00	-0.01	0.077
3.00	-42.36	-2.18	0.00	-260.71	0.00	260.71	3,131.60	1,565.80	4,712.08	2,327.12	0.01	-0.02	0.077
3.50	-42.22	-2.18	0.00	-259.62	0.00	259.62	3,127.31	1,563.65	4,695.42	2,318.89	0.01	-0.02	0.077
4.00	-42.07	-2.18	0.00	-258.53	0.00	258.53	3,123.00	1,561.50	4,678.77	2,310.67	0.01	-0.02	0.076
4.50	-41.92	-2.18	0.00	-257.44	0.00	257.44	3,118.68	1,559.34	4,662.14	2,302.45	0.01	-0.03	0.076
5.00	-41.77	-2.18	0.00	-256.35	0.00	256.35	3,114.35	1,557.18	4,645.51	2,294.24	0.02	-0.03	0.076
5.50	-41.63	-2.17	0.00	-255.26	0.00	255.26	3,110.02	1,555.01	4,628.91	2,286.04	0.02	-0.03	0.076
6.00	-41.48	-2.17	0.00	-254.18	0.00	254.18	3,105.67	1,552.83	4,612.31	2,277.85	0.02	-0.04	0.076
6.50	-41.33	-2.17	0.00	-253.09	0.00	253.09	3,101.31	1,550.65	4,595.73	2,269.66	0.03	-0.04	0.076
7.00	-41.19	-2.17	0.00	-252.01	0.00	252.01	3,096.94	1,548.47	4,579.16	2,261.47	0.03	-0.04	0.076
7.50	-41.04	-2.17	0.00	-250.92	0.00	250.92	3,092.56	1,546.28	4,562.60	2,253.30	0.04	-0.05	0.075
8.00	-40.87	-2.17	0.00	-249.84	0.00	249.84	3,088.17	1,544.08	4,546.06	2,245.13	0.04	-0.05	0.075
8.50	-40.69	-2.16	0.00	-248.75	0.00	248.75	3,083.77	1,541.88	4,529.53	2,236.96	0.05	-0.05	0.075
9.00	-40.52	-2.16	0.00	-247.67	0.00	247.67	3,079.36	1,539.68	4,513.01	2,228.81	0.05	-0.05	0.075
9.50	-40.34	-2.16	0.00	-246.59	0.00	246.59	3,074.94	1,537.47	4,496.51	2,220.66	0.06	-0.06	0.075
10.00	-40.17	-2.16	0.00	-245.51	0.00	245.51	3,070.50	1,535.25	4,480.02	2,212.51	0.06	-0.06	0.075
10.50	-40.00	-2.15	0.00	-244.43	0.00	244.43	3,066.06	1,533.03	4,463.54	2,204.38	0.07	-0.06	0.075
11.00	-39.82	-2.15	0.00	-243.36	0.00	243.36	3,061.61	1,530.80	4,447.08	2,196.25	0.08	-0.07	0.074
11.50	-39.65	-2.15	0.00	-242.28	0.00	242.28	3,057.15	1,528.57	4,430.63	2,188.12	0.08	-0.07	0.074
12.00	-39.48	-2.14	0.00	-241.21	0.00	241.21	3,052.67	1,526.34	4,414.20	2,180.01	0.09	-0.07	0.074
12.50	-39.31	-2.14	0.00	-240.14	0.00	240.14	3,048.19	1,524.09	4,397.78	2,171.90	0.10	-0.08	0.074
13.00	-39.13	-2.14	0.00	-239.07	0.00	239.07	3,043.69	1,521.85	4,381.37	2,163.80	0.11	-0.08	0.074
13.50	-38.96	-2.13	0.00	-238.00	0.00	238.00	3,039.19	1,519.59	4,364.98	2,155.70	0.12	-0.08	0.074
14.00	-38.79	-2.13	0.00	-236.94	0.00	236.94	3,034.67	1,517.34	4,348.61	2,147.61	0.12	-0.08	0.074
14.50	-38.62	-2.12	0.00	-235.87	0.00	235.87	3,030.15	1,515.07	4,332.24	2,139.53	0.13	-0.09	0.073
15.00	-38.45	-2.12	0.00	-234.81	0.00	234.81	3,025.61	1,512.81	4,315.90	2,131.46	0.14	-0.09	0.073
15.50	-38.27	-2.12	0.00	-233.75	0.00	233.75	3,021.07	1,510.53	4,299.57	2,123.39	0.15	-0.09	0.073
16.00	-38.10	-2.11	0.00	-232.69	0.00	232.69	3,016.51	1,508.25	4,283.25	2,115.33	0.16	-0.10	0.073
16.50	-37.93	-2.11	0.00	-231.63	0.00	231.63	3,011.94	1,505.97	4,266.95	2,107.28	0.17	-0.10	0.073
17.00	-37.76	-2.11	0.00	-230.58	0.00	230.58	3,007.37	1,503.68	4,250.66	2,099.24	0.18	-0.10	0.073
17.50	-37.59	-2.10	0.00	-229.53	0.00	229.53	3,002.78	1,501.39	4,234.39	2,091.20	0.19	-0.11	0.073
18.00	-37.42	-2.10	0.00	-228.48	0.00	228.48	2,998.18	1,499.09	4,218.13	2,083.18	0.21	-0.11	0.072
18.50	-37.25	-2.09	0.00	-227.43	0.00	227.43	2,993.57	1,496.79	4,201.89	2,075.15	0.22	-0.11	0.072
19.00	-37.08	-2.09	0.00	-226.38	0.00	226.38	2,988.95	1,494.48	4,185.66	2,067.14	0.23	-0.12	0.072
19.50	-36.91	-2.09	0.00	-225.34	0.00	225.34	2,984.32	1,492.16	4,169.45	2,059.13	0.24	-0.12	0.072
20.00	-36.74	-2.08	0.00	-224.29	0.00	224.29	2,979.68	1,489.84	4,153.25	2,051.14	0.25	-0.12	0.072
20.50	-36.57	-2.08	0.00	-223.25	0.00	223.25	2,975.03	1,487.52	4,137.08	2,043.15	0.27	-0.13	0.072
21.00	-36.40	-2.07	0.00	-222.21	0.00	222.21	2,970.37	1,485.19	4,120.91	2,035.16	0.28	-0.13	0.072
21.50	-36.23	-2.07	0.00	-221.18	0.00	221.18	2,965.70	1,482.85	4,104.77	2,027.19	0.29	-0.13	0.071
22.00	-36.06	-2.06	0.00	-220.14	0.00	220.14	2,961.02	1,480.51	4,088.63	2,019.22	0.31	-0.13	0.071
22.50	-35.90	-2.06	0.00	-219.11	0.00	219.11	2,956.33	1,478.16	4,072.52	2,011.26	0.32	-0.14	0.071
23.00	-35.73	-2.06	0.00	-218.08	0.00	218.08	2,951.62	1,475.81	4,056.42	2,003.31	0.34	-0.14	0.071
23.50	-35.56	-2.05	0.00	-217.05	0.00	217.05	2,946.91	1,473.46	4,040.34	1,995.37	0.35	-0.14	0.071
24.00	-35.39	-2.05	0.00	-216.03	0.00	216.03	2,942.19	1,471.09	4,024.27	1,987.44	0.37	-0.15	0.071
24.50	-35.22	-2.04	0.00	-215.00	0.00	215.00	2,937.46	1,468.73	4,008.22	1,979.51	0.38	-0.15	0.071
25.00	-35.06	-2.04	0.00	-213.98	0.00	213.98	2,932.71	1,466.36	3,992.19	1,971.59	0.40	-0.15	0.070
25.50	-34.89	-2.03	0.00	-212.97	0.00	212.97	2,927.96	1,463.98	3,976.18	1,963.68	0.41	-0.16	0.070
26.00	-34.72	-2.03	0.00	-211.95	0.00	211.95	2,923.19	1,461.60	3,960.18	1,955.78	0.43	-0.16	0.070
26.50	-34.55	-2.02	0.00	-210.93	0.00	210.93	2,918.42	1,459.21	3,944.20	1,947.89	0.45	-0.16	0.070
27.00	-34.39	-2.02	0.00	-209.92	0.00	209.92	2,913.63	1,456.82	3,928.23	1,940.01	0.47	-0.17	0.070
27.50	-34.22	-2.01	0.00	-208.91	0.00	208.91	2,910.08	1,455.04	3,913.96	1,932.96	0.48	-0.17	0.070

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

28.00	-34.06	-2.01	0.00	-207.91	0.00	207.91	2,903.11	1,451.55	3,895.11	1,923.65	0.50	-0.17	0.070
28.50	-33.89	-2.01	0.00	-206.90	0.00	206.90	2,896.13	1,448.07	3,876.32	1,914.37	0.52	-0.18	0.069
29.00	-33.72	-2.00	0.00	-205.90	0.00	205.90	2,889.16	1,444.58	3,857.57	1,905.11	0.54	-0.18	0.069
29.50	-33.56	-2.00	0.00	-204.90	0.00	204.90	2,882.19	1,441.09	3,838.86	1,895.87	0.56	-0.18	0.069
30.00	-33.39	-1.99	0.00	-203.90	0.00	203.90	2,875.21	1,437.61	3,820.20	1,886.65	0.58	-0.19	0.069
30.50	-33.23	-1.99	0.00	-202.90	0.00	202.90	2,868.24	1,434.12	3,801.59	1,877.46	0.60	-0.19	0.069
31.00	-33.06	-1.98	0.00	-201.91	0.00	201.91	2,861.26	1,430.63	3,783.02	1,868.29	0.62	-0.19	0.069
31.50	-32.83	-1.97	0.00	-200.92	0.00	200.92	2,854.29	1,427.15	3,764.50	1,859.14	0.64	-0.19	0.069
32.00	-32.59	-1.97	0.00	-199.93	0.00	199.93	2,847.32	1,423.66	3,746.02	1,850.02	0.66	-0.20	0.068
32.50	-32.36	-1.96	0.00	-198.95	0.00	198.95	2,840.34	1,420.17	3,727.58	1,840.91	0.68	-0.20	0.068
33.00	-32.13	-1.95	0.00	-197.97	0.00	197.97	2,833.37	1,416.69	3,709.20	1,831.83	0.70	-0.20	0.068
33.50	-31.89	-1.94	0.00	-196.99	0.00	196.99	2,826.40	1,413.20	3,690.85	1,822.77	0.72	-0.21	0.067
34.00	-31.66	-1.94	0.00	-196.02	0.00	196.02	2,819.42	1,409.71	3,672.56	1,813.74	0.74	-0.21	0.067
34.50	-31.43	-1.93	0.00	-195.05	0.00	195.05	2,812.45	1,406.22	3,654.31	1,804.72	0.76	-0.21	0.067
35.00	-31.20	-1.92	0.00	-194.09	0.00	194.09	2,805.48	1,402.74	3,636.10	1,795.73	0.79	-0.22	0.067
35.50	-31.12	-1.92	0.00	-193.13	0.00	193.13	2,798.50	1,399.25	3,617.94	1,786.76	0.81	-0.22	0.067
35.67	-31.02	-1.92	0.00	-192.81	0.00	192.81	2,248.07	1,124.03	2,973.91	1,468.70	0.82	-0.22	0.077
36.00	-30.87	-1.91	0.00	-192.17	0.00	192.17	2,245.83	1,122.91	2,966.06	1,464.83	0.83	-0.22	0.077
36.50	-30.82	-1.91	0.00	-191.21	0.00	191.21	2,242.46	1,121.23	2,954.30	1,459.02	0.86	-0.23	0.077
36.67	-30.72	-1.91	0.00	-190.89	0.00	190.89	2,241.31	1,120.65	2,950.31	1,457.05	0.86	-0.23	0.077
36.67	-30.72	-1.91	0.00	-190.89	0.00	190.89	2,241.31	1,120.65	2,950.31	1,457.05	0.86	-0.23	0.082
37.00	-30.58	-1.90	0.00	-190.26	0.00	190.26	2,239.08	1,119.54	2,942.55	1,453.22	0.88	-0.23	0.082
37.50	-30.44	-1.90	0.00	-189.31	0.00	189.31	2,235.69	1,117.84	2,930.81	1,447.42	0.90	-0.23	0.082
38.00	-30.29	-1.89	0.00	-188.36	0.00	188.36	2,232.29	1,116.14	2,919.08	1,441.62	0.93	-0.24	0.082
38.50	-30.15	-1.89	0.00	-187.41	0.00	187.41	2,228.88	1,114.44	2,907.36	1,435.83	0.95	-0.24	0.082
39.00	-30.01	-1.89	0.00	-186.47	0.00	186.47	2,225.46	1,112.73	2,895.64	1,430.05	0.98	-0.25	0.081
39.50	-29.87	-1.88	0.00	-185.53	0.00	185.53	2,222.03	1,111.01	2,883.93	1,424.27	1.01	-0.25	0.081
40.00	-29.72	-1.88	0.00	-184.58	0.00	184.58	2,218.59	1,109.29	2,872.23	1,418.49	1.03	-0.25	0.081
40.50	-29.58	-1.87	0.00	-183.65	0.00	183.65	2,215.14	1,107.57	2,860.55	1,412.72	1.06	-0.26	0.081
41.00	-29.44	-1.87	0.00	-182.71	0.00	182.71	2,211.67	1,105.84	2,848.87	1,406.95	1.09	-0.26	0.081
41.50	-29.30	-1.87	0.00	-181.77	0.00	181.77	2,208.20	1,104.10	2,837.20	1,401.18	1.11	-0.26	0.080
42.00	-29.16	-1.86	0.00	-180.84	0.00	180.84	2,204.72	1,102.36	2,825.53	1,395.43	1.14	-0.27	0.080
42.50	-29.02	-1.86	0.00	-179.91	0.00	179.91	2,201.23	1,100.61	2,813.88	1,389.67	1.17	-0.27	0.080
43.00	-28.87	-1.85	0.00	-178.98	0.00	178.98	2,197.72	1,098.86	2,802.24	1,383.92	1.20	-0.27	0.080
43.50	-28.73	-1.85	0.00	-178.06	0.00	178.06	2,194.21	1,097.10	2,790.61	1,378.18	1.23	-0.28	0.080
44.00	-28.59	-1.84	0.00	-177.13	0.00	177.13	2,190.68	1,095.34	2,778.98	1,372.44	1.26	-0.28	0.079
44.50	-28.45	-1.84	0.00	-176.21	0.00	176.21	2,187.15	1,093.57	2,767.37	1,366.70	1.29	-0.29	0.079
45.00	-28.31	-1.84	0.00	-175.29	0.00	175.29	2,183.60	1,091.80	2,755.77	1,360.97	1.32	-0.29	0.079
45.50	-28.17	-1.83	0.00	-174.37	0.00	174.37	2,180.05	1,090.02	2,744.17	1,355.24	1.35	-0.29	0.079
46.00	-28.03	-1.83	0.00	-173.46	0.00	173.46	2,176.48	1,088.24	2,732.59	1,349.52	1.38	-0.30	0.079
46.50	-27.89	-1.82	0.00	-172.54	0.00	172.54	2,172.91	1,086.45	2,721.02	1,343.81	1.41	-0.30	0.079
47.00	-27.75	-1.82	0.00	-171.63	0.00	171.63	2,169.32	1,084.66	2,709.45	1,338.10	1.44	-0.30	0.078
47.50	-27.61	-1.81	0.00	-170.72	0.00	170.72	2,165.72	1,082.86	2,697.90	1,332.39	1.47	-0.31	0.078
48.00	-27.47	-1.81	0.00	-169.82	0.00	169.82	2,162.11	1,081.06	2,686.36	1,326.69	1.51	-0.31	0.078
48.50	-27.33	-1.80	0.00	-168.91	0.00	168.91	2,158.50	1,079.25	2,674.83	1,321.00	1.54	-0.32	0.078
49.00	-27.19	-1.80	0.00	-168.01	0.00	168.01	2,154.87	1,077.43	2,663.31	1,315.31	1.57	-0.32	0.078
49.50	-27.05	-1.80	0.00	-167.11	0.00	167.11	2,151.23	1,075.61	2,651.80	1,309.62	1.61	-0.32	0.077
50.00	-26.92	-1.79	0.00	-166.21	0.00	166.21	2,147.58	1,073.79	2,640.30	1,303.95	1.64	-0.33	0.077
50.50	-26.78	-1.79	0.00	-165.32	0.00	165.32	2,143.92	1,071.96	2,628.81	1,298.27	1.67	-0.33	0.077
51.00	-26.64	-1.78	0.00	-164.42	0.00	164.42	2,140.25	1,070.13	2,617.34	1,292.60	1.71	-0.33	0.077
51.50	-26.50	-1.78	0.00	-163.53	0.00	163.53	2,136.57	1,068.29	2,605.87	1,286.94	1.74	-0.34	0.077
52.00	-26.36	-1.77	0.00	-162.64	0.00	162.64	2,132.88	1,066.44	2,594.42	1,281.29	1.78	-0.34	0.076
52.50	-26.22	-1.77	0.00	-161.76	0.00	161.76	2,129.18	1,064.59	2,582.98	1,275.64	1.82	-0.35	0.076
53.00	-26.09	-1.77	0.00	-160.87	0.00	160.87	2,125.47	1,062.73	2,571.55	1,269.99	1.85	-0.35	0.076
53.50	-25.95	-1.76	0.00	-159.99	0.00	159.99	2,121.75	1,060.87	2,560.13	1,264.35	1.89	-0.35	0.076
54.00	-25.81	-1.76	0.00	-159.11	0.00	159.11	2,118.01	1,059.01	2,548.72	1,258.72	1.93	-0.36	0.076
54.50	-25.67	-1.75	0.00	-158.23	0.00	158.23	2,114.27	1,057.14	2,537.32	1,253.09	1.96	-0.36	0.075
55.00	-25.54	-1.75	0.00	-157.35	0.00	157.35	2,110.52	1,055.26	2,525.94	1,247.47	2.00	-0.37	0.075
55.50	-25.40	-1.74	0.00	-156.48	0.00	156.48	2,106.75	1,053.38	2,514.57	1,241.85	2.04	-0.37	0.075
56.00	-25.26	-1.74	0.00	-155.61	0.00	155.61	2,102.98	1,051.49	2,503.21	1,236.24	2.08	-0.37	0.075
56.50	-25.13	-1.74	0.00	-154.74	0.00	154.74	2,099.20	1,049.60	2,491.86	1,230.64	2.12	-0.38	0.075
57.00	-24.99	-1.73	0.00	-153.87	0.00	153.87	2,095.40	1,047.70	2,480.53	1,225.04	2.16	-0.38	0.074
57.50	-24.85	-1.73	0.00	-153.01	0.00	153.01	2,091.60	1,045.80	2,469.21	1,219.45	2.20	-0.38	0.074
58.00	-24.72	-1.72	0.00	-152.14	0.00	152.14	2,087.78	1,043.89	2,457.90	1,213.86	2.24	-0.39	0.074

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

58.50	-24.58	-1.72	0.00	-151.28	0.00	151.28	2,083.96	1,041.98	2,446.60	1,208.28	2.28	-0.39	0.074
59.00	-24.45	-1.71	0.00	-150.42	0.00	150.42	2,080.12	1,040.06	2,435.32	1,202.71	2.32	-0.40	0.074
59.50	-24.31	-1.71	0.00	-149.56	0.00	149.56	2,076.27	1,038.14	2,424.04	1,197.14	2.36	-0.40	0.073
60.00	-24.17	-1.71	0.00	-148.71	0.00	148.71	2,072.41	1,036.21	2,412.79	1,191.58	2.41	-0.40	0.073
60.50	-24.04	-1.70	0.00	-147.86	0.00	147.86	2,068.55	1,034.27	2,401.54	1,186.03	2.45	-0.41	0.073
61.00	-23.90	-1.70	0.00	-147.00	0.00	147.00	2,064.67	1,032.33	2,390.31	1,180.48	2.49	-0.41	0.073
61.50	-23.77	-1.70	0.00	-146.15	0.00	146.15	2,060.78	1,030.39	2,379.09	1,174.94	2.53	-0.42	0.073
62.00	-23.63	-1.69	0.00	-145.31	0.00	145.31	2,056.88	1,028.44	2,367.88	1,169.41	2.58	-0.42	0.072
62.50	-23.50	-1.69	0.00	-144.46	0.00	144.46	2,052.97	1,026.49	2,356.69	1,163.88	2.62	-0.42	0.072
63.00	-23.36	-1.68	0.00	-143.62	0.00	143.62	2,049.05	1,024.53	2,345.51	1,158.36	2.67	-0.43	0.072
63.50	-23.23	-1.68	0.00	-142.78	0.00	142.78	2,045.12	1,022.56	2,334.35	1,152.85	2.71	-0.43	0.072
64.00	-23.10	-1.68	0.00	-141.93	0.00	141.93	2,041.18	1,020.59	2,323.20	1,147.34	2.76	-0.43	0.071
64.50	-22.96	-1.67	0.00	-141.10	0.00	141.10	2,037.23	1,018.62	2,312.06	1,141.84	2.80	-0.44	0.071
65.00	-22.83	-1.67	0.00	-140.26	0.00	140.26	2,033.27	1,016.64	2,300.94	1,136.35	2.85	-0.44	0.071
65.50	-22.69	-1.67	0.00	-139.42	0.00	139.42	2,029.30	1,014.65	2,289.83	1,130.86	2.90	-0.45	0.071
66.00	-22.56	-1.67	0.00	-138.59	0.00	138.59	2,025.32	1,012.66	2,278.74	1,125.38	2.94	-0.45	0.071
66.50	-22.43	-1.66	0.00	-137.76	0.00	137.76	2,021.33	1,010.66	2,267.65	1,119.91	2.99	-0.45	0.070
67.00	-22.29	-1.66	0.00	-136.93	0.00	136.93	2,016.97	1,008.48	2,256.19	1,114.25	3.04	-0.46	0.070
67.50	-22.16	-1.66	0.00	-136.10	0.00	136.10	2,011.16	1,005.58	2,243.13	1,107.80	3.09	-0.46	0.070
68.00	-22.03	-1.65	0.00	-135.27	0.00	135.27	2,005.34	1,002.67	2,230.12	1,101.37	3.13	-0.47	0.070
68.50	-21.90	-1.65	0.00	-134.44	0.00	134.44	1,999.53	999.77	2,217.14	1,094.96	3.18	-0.47	0.070
69.00	-21.76	-1.65	0.00	-133.61	0.00	133.61	1,993.72	996.86	2,204.19	1,088.57	3.23	-0.47	0.070
69.50	-21.63	-1.65	0.00	-132.79	0.00	132.79	1,987.91	993.96	2,191.29	1,082.20	3.28	-0.48	0.070
70.00	-21.45	-1.64	0.00	-131.96	0.00	131.96	1,982.10	991.05	2,178.42	1,075.84	3.33	-0.48	0.069
70.50	-21.27	-1.64	0.00	-131.14	0.00	131.14	1,976.29	988.14	2,165.59	1,069.51	3.38	-0.49	0.068
71.00	-21.10	-1.64	0.00	-130.32	0.00	130.32	1,970.48	985.24	2,152.80	1,063.19	3.44	-0.49	0.068
71.50	-20.92	-1.64	0.00	-129.50	0.00	129.50	1,964.67	982.33	2,140.05	1,056.89	3.49	-0.49	0.068
72.00	-20.74	-1.63	0.00	-128.68	0.00	128.68	1,958.85	979.43	2,127.34	1,050.61	3.54	-0.50	0.068
72.50	-20.57	-1.63	0.00	-127.87	0.00	127.87	1,953.04	976.52	2,114.66	1,044.35	3.59	-0.50	0.067
73.00	-20.45	-1.63	0.00	-127.05	0.00	127.05	1,947.23	973.62	2,102.02	1,038.11	3.64	-0.51	0.067
73.33	-20.39	-1.63	0.00	-126.51	0.00	126.51	1,943.40	971.70	2,093.70	1,034.00	3.68	-0.51	0.067
73.33	-20.39	-1.63	0.00	-126.51	0.00	126.51	1,943.40	971.70	2,093.70	1,034.00	3.68	-0.51	0.073
73.50	-20.28	-1.63	0.00	-126.24	0.00	126.24	1,473.96	736.98	1,624.57	802.32	3.70	-0.51	0.088
74.00	-20.17	-1.63	0.00	-125.42	0.00	125.42	1,471.41	735.71	1,616.97	798.56	3.75	-0.51	0.087
74.50	-20.05	-1.63	0.00	-124.61	0.00	124.61	1,468.85	734.43	1,609.36	794.80	3.80	-0.52	0.087
75.00	-19.94	-1.63	0.00	-123.79	0.00	123.79	1,466.28	733.14	1,601.77	791.05	3.86	-0.52	0.087
75.50	-19.83	-1.63	0.00	-122.98	0.00	122.98	1,463.70	731.85	1,594.18	787.30	3.91	-0.53	0.086
76.00	-19.72	-1.63	0.00	-122.17	0.00	122.17	1,461.11	730.55	1,586.59	783.56	3.97	-0.53	0.086
76.50	-19.60	-1.63	0.00	-121.35	0.00	121.35	1,458.51	729.25	1,579.01	779.81	4.03	-0.54	0.086
77.00	-19.49	-1.63	0.00	-120.54	0.00	120.54	1,455.89	727.95	1,571.44	776.07	4.08	-0.54	0.085
77.50	-19.38	-1.63	0.00	-119.72	0.00	119.72	1,453.27	726.64	1,563.87	772.34	4.14	-0.55	0.085
78.00	-19.27	-1.63	0.00	-118.91	0.00	118.91	1,450.64	725.32	1,556.31	768.60	4.20	-0.55	0.085
78.50	-19.15	-1.63	0.00	-118.09	0.00	118.09	1,447.99	724.00	1,548.75	764.87	4.25	-0.56	0.084
79.00	-19.04	-1.63	0.00	-117.27	0.00	117.27	1,445.34	722.67	1,541.20	761.14	4.31	-0.56	0.084
79.50	-18.93	-1.64	0.00	-116.46	0.00	116.46	1,442.68	721.34	1,533.65	757.41	4.37	-0.56	0.084
80.00	-18.82	-1.64	0.00	-115.64	0.00	115.64	1,440.00	720.00	1,526.12	753.69	4.43	-0.57	0.083
80.50	-18.71	-1.64	0.00	-114.82	0.00	114.82	1,437.32	718.66	1,518.59	749.97	4.49	-0.57	0.083
81.00	-18.60	-1.64	0.00	-114.00	0.00	114.00	1,434.62	717.31	1,511.06	746.26	4.55	-0.58	0.083
81.50	-18.49	-1.64	0.00	-113.18	0.00	113.18	1,431.91	715.96	1,503.54	742.54	4.61	-0.58	0.082
82.00	-18.38	-1.64	0.00	-112.36	0.00	112.36	1,429.20	714.60	1,496.03	738.83	4.67	-0.59	0.082
82.50	-18.26	-1.65	0.00	-111.54	0.00	111.54	1,426.47	713.23	1,488.53	735.13	4.74	-0.59	0.082
83.00	-18.15	-1.65	0.00	-110.72	0.00	110.72	1,423.73	711.87	1,481.03	731.43	4.80	-0.60	0.081
83.50	-18.04	-1.65	0.00	-109.89	0.00	109.89	1,420.98	710.49	1,473.54	727.73	4.86	-0.60	0.081
84.00	-17.93	-1.65	0.00	-109.07	0.00	109.07	1,418.23	709.11	1,466.06	724.03	4.92	-0.61	0.081
84.50	-17.82	-1.66	0.00	-108.24	0.00	108.24	1,415.46	707.73	1,458.58	720.34	4.99	-0.61	0.080
85.00	-17.71	-1.66	0.00	-107.41	0.00	107.41	1,412.68	706.34	1,451.11	716.65	5.05	-0.62	0.080
85.50	-17.60	-1.66	0.00	-106.58	0.00	106.58	1,409.89	704.94	1,443.65	712.97	5.12	-0.62	0.080
86.00	-17.49	-1.67	0.00	-105.75	0.00	105.75	1,407.09	703.54	1,436.20	709.28	5.18	-0.63	0.079
86.50	-17.38	-1.67	0.00	-104.92	0.00	104.92	1,404.28	702.14	1,428.75	705.61	5.25	-0.63	0.079
87.00	-17.27	-1.67	0.00	-104.08	0.00	104.08	1,401.46	700.73	1,421.32	701.93	5.31	-0.64	0.078
87.50	-17.16	-1.67	0.00	-103.25	0.00	103.25	1,398.63	699.31	1,413.89	698.26	5.38	-0.64	0.078
88.00	-17.06	-1.68	0.00	-102.41	0.00	102.41	1,395.79	697.89	1,406.46	694.60	5.45	-0.64	0.078
88.50	-16.95	-1.68	0.00	-101.57	0.00	101.57	1,392.93	696.47	1,399.05	690.94	5.52	-0.65	0.077
89.00	-16.84	-1.69	0.00	-100.73	0.00	100.73	1,390.07	695.04	1,391.64	687.28	5.58	-0.65	0.077

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

89.50	-16.73	-1.69	0.00	-99.89	0.00	99.89	1,387.20	693.60	1,384.25	683.63	5.65	-0.66	0.077
90.00	-16.62	-1.69	0.00	-99.04	0.00	99.04	1,384.32	692.16	1,376.86	679.98	5.72	-0.66	0.076
90.50	-16.51	-1.70	0.00	-98.20	0.00	98.20	1,381.42	690.71	1,369.48	676.33	5.79	-0.67	0.076
91.00	-16.40	-1.70	0.00	-97.35	0.00	97.35	1,378.52	689.26	1,362.10	672.69	5.86	-0.67	0.075
91.50	-16.29	-1.70	0.00	-96.50	0.00	96.50	1,375.61	687.80	1,354.74	669.06	5.93	-0.68	0.075
92.00	-16.19	-1.71	0.00	-95.65	0.00	95.65	1,372.68	686.34	1,347.39	665.42	6.00	-0.68	0.075
92.50	-16.08	-1.71	0.00	-94.79	0.00	94.79	1,369.75	684.87	1,340.04	661.80	6.08	-0.69	0.074
93.00	-15.97	-1.72	0.00	-93.94	0.00	93.94	1,366.80	683.40	1,332.70	658.17	6.15	-0.69	0.074
93.50	-15.86	-1.72	0.00	-93.08	0.00	93.08	1,363.85	681.92	1,325.38	654.55	6.22	-0.70	0.073
94.00	-15.75	-1.72	0.00	-92.22	0.00	92.22	1,360.88	680.44	1,318.06	650.94	6.29	-0.70	0.073
94.50	-15.65	-1.73	0.00	-91.36	0.00	91.36	1,357.90	678.95	1,310.75	647.33	6.37	-0.70	0.072
95.00	-15.54	-1.73	0.00	-90.49	0.00	90.49	1,354.92	677.46	1,303.45	643.72	6.44	-0.71	0.072
95.50	-15.43	-1.74	0.00	-89.63	0.00	89.63	1,351.92	675.96	1,296.16	640.12	6.52	-0.71	0.072
96.00	-15.32	-1.74	0.00	-88.76	0.00	88.76	1,348.91	674.46	1,288.88	636.53	6.59	-0.72	0.071
96.50	-15.22	-1.74	0.00	-87.89	0.00	87.89	1,345.89	672.95	1,281.61	632.94	6.67	-0.72	0.071
97.00	-15.11	-1.75	0.00	-87.02	0.00	87.02	1,342.86	671.43	1,274.35	629.35	6.74	-0.73	0.070
97.50	-15.00	-1.75	0.00	-86.14	0.00	86.14	1,339.82	669.91	1,267.09	625.77	6.82	-0.73	0.070
98.00	-14.90	-1.76	0.00	-85.27	0.00	85.27	1,336.78	668.39	1,259.85	622.19	6.90	-0.74	0.069
98.50	-14.79	-1.76	0.00	-84.39	0.00	84.39	1,333.72	666.86	1,252.62	618.62	6.97	-0.74	0.069
99.00	-14.68	-1.76	0.00	-83.51	0.00	83.51	1,330.65	665.32	1,245.40	615.06	7.05	-0.75	0.068
99.50	-14.58	-1.77	0.00	-82.63	0.00	82.63	1,327.57	663.78	1,238.19	611.50	7.13	-0.75	0.068
100.00	-14.47	-1.77	0.00	-81.74	0.00	81.74	1,324.47	662.24	1,230.99	607.94	7.21	-0.76	0.067
100.50	-14.36	-1.78	0.00	-80.86	0.00	80.86	1,321.37	660.69	1,223.80	604.39	7.29	-0.76	0.067
101.00	-14.26	-1.78	0.00	-79.97	0.00	79.97	1,318.26	659.13	1,216.62	600.84	7.37	-0.76	0.066
101.50	-14.15	-1.78	0.00	-79.08	0.00	79.08	1,315.14	657.57	1,209.45	597.30	7.45	-0.77	0.066
102.00	-14.05	-1.79	0.00	-78.19	0.00	78.19	1,312.01	656.00	1,202.30	593.77	7.53	-0.77	0.066
102.50	-13.94	-1.79	0.00	-77.29	0.00	77.29	1,308.86	654.43	1,195.15	590.24	7.61	-0.78	0.065
103.00	-13.84	-1.79	0.00	-76.40	0.00	76.40	1,305.71	652.86	1,188.02	586.72	7.69	-0.78	0.064
103.50	-13.73	-1.80	0.00	-75.50	0.00	75.50	1,302.55	651.27	1,180.89	583.20	7.77	-0.79	0.064
104.00	-13.63	-1.80	0.00	-74.60	0.00	74.60	1,299.37	649.69	1,173.78	579.69	7.86	-0.79	0.063
104.50	-13.52	-1.80	0.00	-73.70	0.00	73.70	1,296.19	648.09	1,166.68	576.18	7.94	-0.80	0.063
105.00	-13.42	-1.81	0.00	-72.80	0.00	72.80	1,292.99	646.50	1,159.59	572.68	8.02	-0.80	0.062
105.50	-13.31	-1.81	0.00	-71.90	0.00	71.90	1,289.98	644.49	1,151.78	568.82	8.11	-0.80	0.062
106.00	-13.21	-1.81	0.00	-70.99	0.00	70.99	1,284.33	642.16	1,143.44	564.70	8.19	-0.81	0.061
106.50	-13.10	-1.82	0.00	-70.08	0.00	70.08	1,279.68	639.84	1,135.13	560.60	8.28	-0.81	0.061
107.00	-13.00	-1.82	0.00	-69.18	0.00	69.18	1,275.03	637.51	1,126.85	556.51	8.36	-0.82	0.061
107.50	-12.89	-1.82	0.00	-68.27	0.00	68.27	1,270.38	635.19	1,118.60	552.44	8.45	-0.82	0.060
108.00	-12.79	-1.82	0.00	-67.36	0.00	67.36	1,265.73	632.87	1,110.38	548.38	8.53	-0.83	0.060
108.50	-12.69	-1.83	0.00	-66.45	0.00	66.45	1,261.08	630.54	1,102.19	544.33	8.62	-0.83	0.059
109.00	-12.58	-1.83	0.00	-65.53	0.00	65.53	1,256.43	628.22	1,094.04	540.30	8.71	-0.83	0.059
109.50	-12.48	-1.83	0.00	-64.62	0.00	64.62	1,251.78	625.89	1,085.91	536.29	8.80	-0.84	0.058
110.00	-12.39	-1.83	0.00	-63.71	0.00	63.71	1,247.14	623.57	1,077.81	532.29	8.88	-0.84	0.058
110.50	-12.31	-1.83	0.00	-62.79	0.00	62.79	851.46	425.73	737.46	364.21	8.97	-0.85	0.080
111.00	-12.22	-1.83	0.00	-61.87	0.00	61.87	849.67	424.84	733.15	362.07	9.06	-0.85	0.080
111.50	-12.13	-1.84	0.00	-60.96	0.00	60.96	847.87	423.94	728.83	359.94	9.15	-0.86	0.079
112.00	-12.05	-1.84	0.00	-60.04	0.00	60.04	846.07	423.03	724.52	357.81	9.24	-0.86	0.078
112.50	-11.96	-1.84	0.00	-59.12	0.00	59.12	844.25	422.12	720.21	355.68	9.33	-0.87	0.077
113.00	-11.87	-1.84	0.00	-58.20	0.00	58.20	842.42	421.21	715.90	353.56	9.42	-0.87	0.076
113.50	-11.79	-1.84	0.00	-57.28	0.00	57.28	840.58	420.29	711.60	351.43	9.51	-0.88	0.075
114.00	-11.70	-1.84	0.00	-56.36	0.00	56.36	838.73	419.36	707.30	349.31	9.61	-0.88	0.074
114.50	-11.62	-1.84	0.00	-55.44	0.00	55.44	836.87	418.43	703.00	347.19	9.70	-0.89	0.073
115.00	-11.53	-1.84	0.00	-54.52	0.00	54.52	834.99	417.50	698.71	345.06	9.79	-0.89	0.072
115.50	-11.45	-1.84	0.00	-53.60	0.00	53.60	833.11	416.56	694.42	342.95	9.89	-0.90	0.071
116.00	-11.36	-1.84	0.00	-52.68	0.00	52.68	831.22	415.61	690.13	340.83	9.98	-0.90	0.070
116.50	-11.31	-1.84	0.00	-51.76	0.00	51.76	829.32	414.66	685.85	338.71	10.08	-0.91	0.070
116.50	-11.31	-1.84	0.00	-51.76	0.00	51.76	829.32	414.66	685.85	338.71	10.08	-0.91	0.166
117.00	-11.25	-1.84	0.00	-50.84	0.00	50.84	827.41	413.70	681.57	336.60	10.17	-0.91	0.165
117.50	-11.20	-1.84	0.00	-49.92	0.00	49.92	825.48	412.74	677.29	334.49	10.27	-0.92	0.163
118.00	-11.14	-1.84	0.00	-49.00	0.00	49.00	823.55	411.77	673.02	332.38	10.37	-0.94	0.161
118.50	-11.09	-1.85	0.00	-48.07	0.00	48.07	821.61	410.80	668.75	330.27	10.46	-0.95	0.159
119.00	-11.04	-1.85	0.00	-47.15	0.00	47.15	819.65	409.83	664.49	328.17	10.56	-0.96	0.157
119.50	-10.98	-1.85	0.00	-46.23	0.00	46.23	817.69	408.84	660.23	326.06	10.66	-0.97	0.155
120.00	-10.93	-1.85	0.00	-45.30	0.00	45.30	815.71	407.86	655.98	323.96	10.77	-0.98	0.153

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

120.50	-10.88	-1.85	0.00	-44.38	0.00	44.38	813.73	406.86	651.73	321.87	10.87	-0.99	0.151
121.00	-10.82	-1.85	0.00	-43.46	0.00	43.46	811.73	405.86	647.49	317.77	10.98	-1.00	0.149
121.50	-10.77	-1.85	0.00	-42.53	0.00	42.53	809.72	404.86	643.25	317.68	11.08	-1.01	0.147
122.00	-10.72	-1.85	0.00	-41.61	0.00	41.61	807.71	403.85	639.01	315.58	11.19	-1.03	0.145
122.50	-10.67	-1.85	0.00	-40.68	0.00	40.68	805.68	402.84	634.78	313.49	11.30	-1.04	0.143
123.00	-10.61	-1.85	0.00	-39.76	0.00	39.76	803.64	401.82	630.56	311.41	11.40	-1.05	0.141
123.50	-10.56	-1.85	0.00	-38.84	0.00	38.84	801.59	400.80	626.34	309.32	11.52	-1.06	0.139
124.00	-10.51	-1.85	0.00	-37.91	0.00	37.91	799.54	399.77	622.12	307.24	11.63	-1.07	0.137
124.50	-10.46	-1.84	0.00	-36.99	0.00	36.99	797.47	398.73	617.91	305.16	11.74	-1.08	0.134
125.00	-10.40	-1.84	0.00	-36.07	0.00	36.07	795.39	397.69	613.71	303.09	11.85	-1.09	0.132
125.50	-10.35	-1.84	0.00	-35.15	0.00	35.15	793.30	396.65	609.51	301.01	11.97	-1.10	0.130
126.00	-10.30	-1.84	0.00	-34.22	0.00	34.22	791.20	395.60	605.32	298.94	12.08	-1.11	0.128
126.50	-10.25	-1.84	0.00	-33.30	0.00	33.30	789.09	394.54	601.13	296.88	12.20	-1.12	0.125
127.00	-10.20	-1.84	0.00	-32.39	0.00	32.39	786.97	393.48	596.95	294.81	12.32	-1.13	0.123
127.50	-10.14	-1.83	0.00	-31.47	0.00	31.47	784.84	392.42	592.78	292.75	12.44	-1.14	0.120
128.00	-10.09	-1.83	0.00	-30.55	0.00	30.55	782.69	391.35	588.61	290.69	12.55	-1.15	0.118
128.50	-10.04	-1.83	0.00	-29.63	0.00	29.63	780.54	390.27	584.44	288.64	12.68	-1.16	0.116
129.00	-9.99	-1.83	0.00	-28.72	0.00	28.72	778.38	389.19	580.29	286.58	12.80	-1.16	0.113
129.50	-9.94	-1.82	0.00	-27.80	0.00	27.80	776.21	388.10	576.14	284.53	12.92	-1.17	0.111
130.00	-9.89	-1.82	0.00	-26.89	0.00	26.89	774.02	387.01	572.00	282.49	13.04	-1.18	0.108
130.50	-9.84	-1.82	0.00	-25.98	0.00	25.98	771.83	385.91	567.86	280.44	13.17	-1.19	0.105
131.00	-5.85	-1.43	0.00	-25.07	0.00	25.07	769.63	384.81	563.73	278.40	13.29	-1.20	0.098
131.50	-5.81	-1.43	0.00	-24.36	0.00	24.36	767.41	383.71	559.60	276.37	13.42	-1.21	0.096
132.00	-5.76	-1.42	0.00	-23.64	0.00	23.64	765.19	382.59	555.49	274.33	13.54	-1.21	0.094
132.50	-5.72	-1.42	0.00	-22.93	0.00	22.93	762.95	381.48	551.38	272.31	13.67	-1.22	0.092
133.00	-5.67	-1.42	0.00	-22.22	0.00	22.22	760.71	380.35	547.28	270.28	13.80	-1.23	0.090
133.50	-5.63	-1.41	0.00	-21.51	0.00	21.51	758.45	379.23	543.18	268.26	13.93	-1.24	0.088
134.00	-5.59	-1.41	0.00	-20.81	0.00	20.81	756.18	378.09	539.09	266.24	14.06	-1.24	0.086
134.50	-5.55	-1.40	0.00	-20.10	0.00	20.10	753.91	376.95	535.01	264.22	14.19	-1.25	0.083
135.00	-5.50	-1.40	0.00	-19.40	0.00	19.40	751.62	375.81	530.94	262.21	14.32	-1.26	0.081
135.50	-5.46	-1.39	0.00	-18.70	0.00	18.70	749.32	374.66	526.87	260.20	14.45	-1.27	0.079
136.00	-5.42	-1.39	0.00	-18.01	0.00	18.01	747.01	373.51	522.82	258.20	14.59	-1.27	0.077
136.50	-5.37	-1.38	0.00	-17.31	0.00	17.31	744.70	372.35	518.77	256.20	14.72	-1.28	0.075
137.00	-5.33	-1.38	0.00	-16.62	0.00	16.62	742.37	371.18	514.72	254.20	14.86	-1.29	0.073
137.50	-5.29	-1.37	0.00	-15.93	0.00	15.93	740.03	370.01	510.69	252.21	14.99	-1.29	0.070
138.00	-5.25	-1.36	0.00	-15.25	0.00	15.25	737.68	368.84	506.66	250.22	15.13	-1.30	0.068
138.50	-5.21	-1.36	0.00	-14.57	0.00	14.57	735.32	367.66	502.65	248.24	15.26	-1.30	0.066
139.00	-5.16	-1.35	0.00	-13.89	0.00	13.89	732.95	366.47	498.64	246.26	15.40	-1.31	0.063
139.50	-5.12	-1.35	0.00	-13.21	0.00	13.21	730.57	365.28	494.64	244.28	15.54	-1.32	0.061
140.00	-5.08	-1.34	0.00	-12.54	0.00	12.54	728.18	364.09	490.64	242.31	15.68	-1.32	0.059
140.50	-5.04	-1.33	0.00	-11.87	0.00	11.87	725.44	362.72	486.44	240.23	15.81	-1.33	0.056
141.00	-4.92	-1.31	0.00	-11.20	0.00	11.20	721.95	360.98	481.74	237.92	15.95	-1.33	0.054
141.50	-4.88	-1.30	0.00	-10.55	0.00	10.55	718.47	359.23	477.08	235.61	16.09	-1.34	0.052
142.00	-4.84	-1.30	0.00	-9.90	0.00	9.90	714.98	357.49	472.43	233.32	16.23	-1.34	0.049
142.50	-4.80	-1.29	0.00	-9.25	0.00	9.25	711.49	355.75	467.81	231.03	16.37	-1.34	0.047
143.00	-4.77	-1.28	0.00	-8.60	0.00	8.60	708.01	354.00	463.21	228.76	16.51	-1.35	0.044
143.50	-4.73	-1.28	0.00	-7.96	0.00	7.96	704.52	352.26	458.63	226.50	16.66	-1.35	0.042
144.00	-4.69	-1.27	0.00	-7.32	0.00	7.32	701.03	350.52	454.07	224.25	16.80	-1.36	0.039
144.50	-4.65	-1.26	0.00	-6.69	0.00	6.69	697.55	348.77	449.54	222.01	16.94	-1.36	0.037
145.00	-4.61	-1.25	0.00	-6.06	0.00	6.06	694.06	347.03	445.03	219.78	17.08	-1.36	0.034
145.50	-4.58	-1.24	0.00	-5.43	0.00	5.43	690.57	345.29	440.55	217.57	17.23	-1.36	0.032
146.00	-4.54	-1.23	0.00	-4.81	0.00	4.81	687.09	343.54	436.08	215.36	17.37	-1.37	0.029
146.50	-4.50	-1.23	0.00	-4.19	0.00	4.19	683.60	341.80	431.64	213.17	17.51	-1.37	0.026
147.00	-4.46	-1.22	0.00	-3.58	0.00	3.58	680.11	340.06	427.22	210.99	17.66	-1.37	0.024
147.50	-4.43	-1.21	0.00	-2.97	0.00	2.97	676.63	338.31	422.83	208.82	17.80	-1.37	0.021
148.00	-4.39	-1.20	0.00	-2.37	0.00	2.37	673.14	336.57	418.45	206.66	17.94	-1.37	0.018
148.50	-4.35	-1.19	0.00	-1.77	0.00	1.77	669.65	334.83	414.10	204.51	18.09	-1.38	0.015
149.00	-4.32	-1.18	0.00	-1.17	0.00	1.17	666.16	333.08	409.78	202.37	18.23	-1.38	0.012
149.50	-4.28	-1.17	0.00	-0.58	0.00	0.58	662.68	331.34	405.47	200.25	18.38	-1.38	0.009
150.00	0.00	-1.07	0.00	0.00	0.00	0.00	659.19	329.60	401.19	198.13	18.52	-1.38	0.000

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-30.15	-2.17	0.00	-260.04	0.00	260.04	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.073
0.50	-30.04	-2.17	0.00	-258.95	0.00	258.95	3,152.93	1,576.47	4,795.55	2,368.34	0.00	0.00	0.073
1.00	-29.94	-2.17	0.00	-257.87	0.00	257.87	3,148.69	1,574.34	4,778.83	2,360.09	0.00	-0.01	0.073
1.50	-29.83	-2.17	0.00	-256.78	0.00	256.78	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.01	0.073
2.00	-29.73	-2.17	0.00	-255.70	0.00	255.70	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.01	0.072
2.50	-29.63	-2.17	0.00	-254.61	0.00	254.61	3,135.89	1,567.94	4,728.75	2,335.35	0.00	-0.01	0.072
3.00	-29.52	-2.17	0.00	-253.52	0.00	253.52	3,131.60	1,565.80	4,712.08	2,327.12	0.01	-0.02	0.072
3.50	-29.42	-2.17	0.00	-252.44	0.00	252.44	3,127.31	1,563.65	4,695.42	2,318.89	0.01	-0.02	0.072
4.00	-29.32	-2.17	0.00	-251.35	0.00	251.35	3,123.00	1,561.50	4,678.77	2,310.67	0.01	-0.02	0.072
4.50	-29.21	-2.17	0.00	-250.27	0.00	250.27	3,118.68	1,559.34	4,662.14	2,302.45	0.01	-0.03	0.072
5.00	-29.11	-2.17	0.00	-249.19	0.00	249.19	3,114.35	1,557.18	4,645.51	2,294.24	0.02	-0.03	0.072
5.50	-29.01	-2.16	0.00	-248.10	0.00	248.10	3,110.02	1,555.01	4,628.91	2,286.04	0.02	-0.03	0.072
6.00	-28.91	-2.16	0.00	-247.02	0.00	247.02	3,105.67	1,552.83	4,612.31	2,277.85	0.02	-0.03	0.071
6.50	-28.80	-2.16	0.00	-245.94	0.00	245.94	3,101.31	1,550.65	4,595.73	2,269.66	0.03	-0.04	0.071
7.00	-28.70	-2.16	0.00	-244.86	0.00	244.86	3,096.94	1,548.47	4,579.16	2,261.47	0.03	-0.04	0.071
7.50	-28.60	-2.16	0.00	-243.78	0.00	243.78	3,092.56	1,546.28	4,562.60	2,253.30	0.03	-0.04	0.071
8.00	-28.48	-2.15	0.00	-242.70	0.00	242.70	3,088.17	1,544.08	4,546.06	2,245.13	0.04	-0.05	0.071
8.50	-28.36	-2.15	0.00	-241.62	0.00	241.62	3,083.77	1,541.88	4,529.53	2,236.96	0.04	-0.05	0.071
9.00	-28.24	-2.15	0.00	-240.55	0.00	240.55	3,079.36	1,539.68	4,513.01	2,228.81	0.05	-0.05	0.071
9.50	-28.12	-2.14	0.00	-239.48	0.00	239.48	3,074.94	1,537.47	4,496.51	2,220.66	0.06	-0.06	0.070
10.00	-27.99	-2.14	0.00	-238.40	0.00	238.40	3,070.50	1,535.25	4,480.02	2,212.51	0.06	-0.06	0.070
10.50	-27.87	-2.14	0.00	-237.33	0.00	237.33	3,066.06	1,533.03	4,463.54	2,204.38	0.07	-0.06	0.070
11.00	-27.75	-2.13	0.00	-236.27	0.00	236.27	3,061.61	1,530.80	4,447.08	2,196.25	0.07	-0.06	0.070
11.50	-27.63	-2.13	0.00	-235.20	0.00	235.20	3,057.15	1,528.57	4,430.63	2,188.12	0.08	-0.07	0.070
12.00	-27.51	-2.12	0.00	-234.14	0.00	234.14	3,052.67	1,526.34	4,414.20	2,180.01	0.09	-0.07	0.070
12.50	-27.39	-2.12	0.00	-233.07	0.00	233.07	3,048.19	1,524.09	4,397.78	2,171.90	0.10	-0.07	0.070
13.00	-27.27	-2.12	0.00	-232.01	0.00	232.01	3,043.69	1,521.85	4,381.37	2,163.80	0.10	-0.08	0.070
13.50	-27.15	-2.11	0.00	-230.96	0.00	230.96	3,039.19	1,519.59	4,364.98	2,155.70	0.11	-0.08	0.069
14.00	-27.03	-2.11	0.00	-229.90	0.00	229.90	3,034.67	1,517.34	4,348.61	2,147.61	0.12	-0.08	0.069
14.50	-26.91	-2.10	0.00	-228.85	0.00	228.85	3,030.15	1,515.07	4,332.24	2,139.53	0.13	-0.09	0.069
15.00	-26.79	-2.10	0.00	-227.79	0.00	227.79	3,025.61	1,512.81	4,315.90	2,131.46	0.14	-0.09	0.069
15.50	-26.67	-2.10	0.00	-226.74	0.00	226.74	3,021.07	1,510.53	4,299.57	2,123.39	0.15	-0.09	0.069
16.00	-26.55	-2.09	0.00	-225.70	0.00	225.70	3,016.51	1,508.25	4,283.25	2,115.33	0.16	-0.09	0.069
16.50	-26.43	-2.09	0.00	-224.65	0.00	224.65	3,011.94	1,505.97	4,266.95	2,107.28	0.17	-0.10	0.069
17.00	-26.32	-2.08	0.00	-223.61	0.00	223.61	3,007.37	1,503.68	4,250.66	2,099.24	0.18	-0.10	0.068
17.50	-26.20	-2.08	0.00	-222.57	0.00	222.57	3,002.78	1,501.39	4,234.39	2,091.20	0.19	-0.10	0.068
18.00	-26.08	-2.07	0.00	-221.53	0.00	221.53	2,998.18	1,499.09	4,218.13	2,083.18	0.20	-0.11	0.068
18.50	-25.96	-2.07	0.00	-220.49	0.00	220.49	2,993.57	1,496.79	4,201.89	2,075.15	0.21	-0.11	0.068
19.00	-25.84	-2.06	0.00	-219.46	0.00	219.46	2,988.95	1,494.48	4,185.66	2,067.14	0.22	-0.11	0.068
19.50	-25.72	-2.06	0.00	-218.43	0.00	218.43	2,984.32	1,492.16	4,169.45	2,059.13	0.23	-0.12	0.068
20.00	-25.60	-2.05	0.00	-217.40	0.00	217.40	2,979.68	1,489.84	4,153.25	2,051.14	0.25	-0.12	0.068
20.50	-25.49	-2.05	0.00	-216.37	0.00	216.37	2,975.03	1,487.52	4,137.08	2,043.15	0.26	-0.12	0.067
21.00	-25.37	-2.04	0.00	-215.35	0.00	215.35	2,970.37	1,485.19	4,120.91	2,035.16	0.27	-0.12	0.067
21.50	-25.25	-2.04	0.00	-214.32	0.00	214.32	2,965.70	1,482.85	4,104.77	2,027.19	0.29	-0.13	0.067
22.00	-25.13	-2.03	0.00	-213.30	0.00	213.30	2,961.02	1,480.51	4,088.63	2,019.22	0.30	-0.13	0.067
22.50	-25.01	-2.03	0.00	-212.29	0.00	212.29	2,956.33	1,478.16	4,072.52	2,011.26	0.31	-0.13	0.067
23.00	-24.90	-2.03	0.00	-211.27	0.00	211.27	2,951.62	1,475.81	4,056.42	2,003.31	0.33	-0.14	0.067
23.50	-24.78	-2.02	0.00	-210.26	0.00	210.26	2,946.91	1,473.46	4,040.34	1,995.37	0.34	-0.14	0.067
24.00	-24.66	-2.02	0.00	-209.25	0.00	209.25	2,942.19	1,471.09	4,024.27	1,987.44	0.36	-0.14	0.066
24.50	-24.55	-2.01	0.00	-208.24	0.00	208.24	2,937.46	1,468.73	4,008.22	1,979.51	0.37	-0.15	0.066
25.00	-24.43	-2.01	0.00	-207.24	0.00	207.24	2,932.71	1,466.36	3,992.19	1,971.59	0.39	-0.15	0.066
25.50	-24.31	-2.00	0.00	-206.23	0.00	206.23	2,927.96	1,463.98	3,976.18	1,963.68	0.40	-0.15	0.066
26.00	-24.20	-2.00	0.00	-205.23	0.00	205.23	2,923.19	1,461.60	3,960.18	1,955.78	0.42	-0.16	0.066
26.50	-24.08	-1.99	0.00	-204.24	0.00	204.24	2,918.42	1,459.21	3,944.20	1,947.89	0.44	-0.16	0.066
27.00	-23.96	-1.99	0.00	-203.24	0.00	203.24	2,913.63	1,456.82	3,928.23	1,940.01	0.45	-0.16	0.066
27.50	-23.85	-1.98	0.00	-202.25	0.00	202.25	2,910.08	1,455.04	3,913.96	1,932.96	0.47	-0.16	0.065

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

28.00	-23.73	-1.98	0.00	-201.26	0.00	201.26	2,903.11	1,451.55	3,895.11	1,923.65	0.49	-0.17	0.065
28.50	-23.62	-1.97	0.00	-200.27	0.00	200.27	2,896.13	1,448.07	3,876.32	1,914.37	0.50	-0.17	0.065
29.00	-23.50	-1.97	0.00	-199.29	0.00	199.29	2,889.16	1,444.58	3,857.57	1,905.11	0.52	-0.17	0.065
29.50	-23.38	-1.96	0.00	-198.30	0.00	198.30	2,882.19	1,441.09	3,838.86	1,895.87	0.54	-0.18	0.065
30.00	-23.27	-1.95	0.00	-197.32	0.00	197.32	2,875.21	1,437.61	3,820.20	1,886.65	0.56	-0.18	0.065
30.50	-23.15	-1.95	0.00	-196.35	0.00	196.35	2,868.24	1,434.12	3,801.59	1,877.46	0.58	-0.18	0.065
31.00	-23.04	-1.94	0.00	-195.37	0.00	195.37	2,861.26	1,430.63	3,783.02	1,868.29	0.60	-0.19	0.065
31.50	-22.88	-1.94	0.00	-194.40	0.00	194.40	2,854.29	1,427.15	3,764.50	1,859.14	0.62	-0.19	0.065
32.00	-22.71	-1.93	0.00	-193.43	0.00	193.43	2,847.32	1,423.66	3,746.02	1,850.02	0.64	-0.19	0.064
32.50	-22.55	-1.92	0.00	-192.47	0.00	192.47	2,840.34	1,420.17	3,727.58	1,840.91	0.66	-0.20	0.064
33.00	-22.39	-1.91	0.00	-191.51	0.00	191.51	2,833.37	1,416.69	3,709.20	1,831.83	0.68	-0.20	0.064
33.50	-22.22	-1.90	0.00	-190.55	0.00	190.55	2,826.40	1,413.20	3,690.85	1,822.77	0.70	-0.20	0.063
34.00	-22.06	-1.90	0.00	-189.60	0.00	189.60	2,819.42	1,409.71	3,672.56	1,813.74	0.72	-0.20	0.063
34.50	-21.90	-1.89	0.00	-188.65	0.00	188.65	2,812.45	1,406.22	3,654.31	1,804.72	0.74	-0.21	0.063
35.00	-21.74	-1.88	0.00	-187.71	0.00	187.71	2,805.48	1,402.74	3,636.10	1,795.73	0.76	-0.21	0.063
35.50	-21.69	-1.88	0.00	-186.77	0.00	186.77	2,798.50	1,399.25	3,617.94	1,786.76	0.79	-0.21	0.063
35.67	-21.62	-1.87	0.00	-186.45	0.00	186.45	2,248.07	1,124.03	2,973.91	1,468.70	0.79	-0.21	0.073
36.00	-21.51	-1.87	0.00	-185.83	0.00	185.83	2,245.83	1,122.91	2,966.06	1,464.83	0.81	-0.22	0.072
36.50	-21.47	-1.87	0.00	-184.89	0.00	184.89	2,242.46	1,121.23	2,954.30	1,459.02	0.83	-0.22	0.072
36.67	-21.41	-1.87	0.00	-184.58	0.00	184.58	2,241.31	1,120.65	2,950.31	1,457.05	0.84	-0.22	0.072
36.67	-21.41	-1.87	0.00	-184.58	0.00	184.58	2,241.31	1,120.65	2,950.31	1,457.05	0.84	-0.22	0.077
37.00	-21.31	-1.86	0.00	-183.96	0.00	183.96	2,239.08	1,119.54	2,942.55	1,453.22	0.85	-0.22	0.077
37.50	-21.21	-1.86	0.00	-183.03	0.00	183.03	2,235.69	1,117.84	2,930.81	1,447.42	0.88	-0.23	0.077
38.00	-21.11	-1.85	0.00	-182.10	0.00	182.10	2,232.29	1,116.14	2,919.08	1,441.62	0.90	-0.23	0.077
38.50	-21.01	-1.85	0.00	-181.18	0.00	181.18	2,228.88	1,114.44	2,907.36	1,435.83	0.93	-0.23	0.077
39.00	-20.91	-1.84	0.00	-180.25	0.00	180.25	2,225.46	1,112.73	2,895.64	1,430.05	0.95	-0.24	0.077
39.50	-20.81	-1.84	0.00	-179.33	0.00	179.33	2,222.03	1,111.01	2,883.93	1,424.27	0.98	-0.24	0.076
40.00	-20.71	-1.83	0.00	-178.41	0.00	178.41	2,218.59	1,109.29	2,872.23	1,418.49	1.00	-0.24	0.076
40.50	-20.61	-1.83	0.00	-177.50	0.00	177.50	2,215.14	1,107.57	2,860.55	1,412.72	1.03	-0.25	0.076
41.00	-20.51	-1.82	0.00	-176.58	0.00	176.58	2,211.67	1,105.84	2,848.87	1,406.95	1.05	-0.25	0.076
41.50	-20.42	-1.82	0.00	-175.67	0.00	175.67	2,208.20	1,104.10	2,837.20	1,401.18	1.08	-0.26	0.076
42.00	-20.32	-1.81	0.00	-174.76	0.00	174.76	2,204.72	1,102.36	2,825.53	1,395.43	1.11	-0.26	0.076
42.50	-20.22	-1.81	0.00	-173.85	0.00	173.85	2,201.23	1,100.61	2,813.88	1,389.67	1.13	-0.26	0.075
43.00	-20.12	-1.81	0.00	-172.95	0.00	172.95	2,197.72	1,098.86	2,802.24	1,383.92	1.16	-0.27	0.075
43.50	-20.02	-1.80	0.00	-172.04	0.00	172.04	2,194.21	1,097.10	2,790.61	1,378.18	1.19	-0.27	0.075
44.00	-19.92	-1.80	0.00	-171.14	0.00	171.14	2,190.68	1,095.34	2,778.98	1,372.44	1.22	-0.27	0.075
44.50	-19.83	-1.79	0.00	-170.25	0.00	170.25	2,187.15	1,093.57	2,767.37	1,366.70	1.25	-0.28	0.075
45.00	-19.73	-1.79	0.00	-169.35	0.00	169.35	2,183.60	1,091.80	2,755.77	1,360.97	1.28	-0.28	0.074
45.50	-19.63	-1.78	0.00	-168.46	0.00	168.46	2,180.05	1,090.02	2,744.17	1,355.24	1.31	-0.28	0.074
46.00	-19.53	-1.78	0.00	-167.57	0.00	167.57	2,176.48	1,088.24	2,732.59	1,349.52	1.34	-0.29	0.074
46.50	-19.43	-1.77	0.00	-166.68	0.00	166.68	2,172.91	1,086.45	2,721.02	1,343.81	1.37	-0.29	0.074
47.00	-19.34	-1.77	0.00	-165.79	0.00	165.79	2,169.32	1,084.66	2,709.45	1,338.10	1.40	-0.30	0.074
47.50	-19.24	-1.76	0.00	-164.91	0.00	164.91	2,165.72	1,082.86	2,697.90	1,332.39	1.43	-0.30	0.073
48.00	-19.14	-1.76	0.00	-164.03	0.00	164.03	2,162.11	1,081.06	2,686.36	1,326.69	1.46	-0.30	0.073
48.50	-19.05	-1.75	0.00	-163.15	0.00	163.15	2,158.50	1,079.25	2,674.83	1,321.00	1.49	-0.31	0.073
49.00	-18.95	-1.75	0.00	-162.27	0.00	162.27	2,154.87	1,077.43	2,663.31	1,315.31	1.52	-0.31	0.073
49.50	-18.85	-1.74	0.00	-161.39	0.00	161.39	2,151.23	1,075.61	2,651.80	1,309.62	1.56	-0.31	0.073
50.00	-18.75	-1.74	0.00	-160.52	0.00	160.52	2,147.58	1,073.79	2,640.30	1,303.95	1.59	-0.32	0.073
50.50	-18.66	-1.74	0.00	-159.65	0.00	159.65	2,143.92	1,071.96	2,628.81	1,298.27	1.62	-0.32	0.072
51.00	-18.56	-1.73	0.00	-158.79	0.00	158.79	2,140.25	1,070.13	2,617.34	1,292.60	1.66	-0.32	0.072
51.50	-18.47	-1.73	0.00	-157.92	0.00	157.92	2,136.57	1,068.29	2,605.87	1,286.94	1.69	-0.33	0.072
52.00	-18.37	-1.72	0.00	-157.06	0.00	157.06	2,132.88	1,066.44	2,594.42	1,281.29	1.73	-0.33	0.072
52.50	-18.27	-1.72	0.00	-156.20	0.00	156.20	2,129.18	1,064.59	2,582.98	1,275.64	1.76	-0.34	0.072
53.00	-18.18	-1.71	0.00	-155.34	0.00	155.34	2,125.47	1,062.73	2,571.55	1,269.99	1.80	-0.34	0.071
53.50	-18.08	-1.71	0.00	-154.48	0.00	154.48	2,121.75	1,060.87	2,560.13	1,264.35	1.83	-0.34	0.071
54.00	-17.99	-1.70	0.00	-153.63	0.00	153.63	2,118.01	1,059.01	2,548.72	1,258.72	1.87	-0.35	0.071
54.50	-17.89	-1.70	0.00	-152.78	0.00	152.78	2,114.27	1,057.14	2,537.32	1,253.09	1.91	-0.35	0.071
55.00	-17.79	-1.69	0.00	-151.93	0.00	151.93	2,110.52	1,055.26	2,525.94	1,247.47	1.94	-0.35	0.071
55.50	-17.70	-1.69	0.00	-151.08	0.00	151.08	2,106.75	1,053.38	2,514.57	1,241.85	1.98	-0.36	0.071
56.00	-17.60	-1.68	0.00	-150.24	0.00	150.24	2,102.98	1,051.49	2,503.21	1,236.24	2.02	-0.36	0.070
56.50	-17.51	-1.68	0.00	-149.40	0.00	149.40	2,099.20	1,049.60	2,491.86	1,230.64	2.05	-0.36	0.070
57.00	-17.41	-1.68	0.00	-148.56	0.00	148.56	2,095.40	1,047.70	2,480.53	1,225.04	2.09	-0.37	0.070
57.50	-17.32	-1.67	0.00	-147.72	0.00	147.72	2,091.60	1,045.80	2,469.21	1,219.45	2.13	-0.37	0.070
58.00	-17.22	-1.67	0.00	-146.88	0.00	146.88	2,087.78	1,043.89	2,457.90	1,213.86	2.17	-0.38	0.070

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

58.50	-17.13	-1.66	0.00	-146.05	0.00	146.05	2,083.96	1,041.98	2,446.60	1,208.28	2.21	-0.38	0.069
59.00	-17.03	-1.66	0.00	-145.22	0.00	145.22	2,080.12	1,040.06	2,435.32	1,202.71	2.25	-0.38	0.069
59.50	-16.94	-1.65	0.00	-144.39	0.00	144.39	2,076.27	1,038.14	2,424.04	1,197.14	2.29	-0.39	0.069
60.00	-16.84	-1.65	0.00	-143.56	0.00	143.56	2,072.41	1,036.21	2,412.79	1,191.58	2.33	-0.39	0.069
60.50	-16.75	-1.65	0.00	-142.74	0.00	142.74	2,068.55	1,034.27	2,401.54	1,186.03	2.37	-0.39	0.069
61.00	-16.66	-1.64	0.00	-141.92	0.00	141.92	2,064.67	1,032.33	2,390.31	1,180.48	2.41	-0.40	0.068
61.50	-16.56	-1.64	0.00	-141.10	0.00	141.10	2,060.78	1,030.39	2,379.09	1,174.94	2.46	-0.40	0.068
62.00	-16.47	-1.63	0.00	-140.28	0.00	140.28	2,056.88	1,028.44	2,367.88	1,169.41	2.50	-0.41	0.068
62.50	-16.37	-1.63	0.00	-139.46	0.00	139.46	2,052.97	1,026.49	2,356.69	1,163.88	2.54	-0.41	0.068
63.00	-16.28	-1.63	0.00	-138.65	0.00	138.65	2,049.05	1,024.53	2,345.51	1,158.36	2.58	-0.41	0.068
63.50	-16.19	-1.62	0.00	-137.83	0.00	137.83	2,045.12	1,022.56	2,334.35	1,152.85	2.63	-0.42	0.068
64.00	-16.09	-1.62	0.00	-137.02	0.00	137.02	2,041.18	1,020.59	2,323.20	1,147.34	2.67	-0.42	0.067
64.50	-16.00	-1.62	0.00	-136.21	0.00	136.21	2,037.23	1,018.62	2,312.06	1,141.84	2.72	-0.42	0.067
65.00	-15.91	-1.61	0.00	-135.40	0.00	135.40	2,033.27	1,016.64	2,300.94	1,136.35	2.76	-0.43	0.067
65.50	-15.81	-1.61	0.00	-134.60	0.00	134.60	2,029.30	1,014.65	2,289.83	1,130.86	2.81	-0.43	0.067
66.00	-15.72	-1.61	0.00	-133.79	0.00	133.79	2,025.32	1,012.66	2,278.74	1,125.38	2.85	-0.44	0.067
66.50	-15.63	-1.60	0.00	-132.99	0.00	132.99	2,021.33	1,010.66	2,267.65	1,119.91	2.90	-0.44	0.066
67.00	-15.53	-1.60	0.00	-132.19	0.00	132.19	2,016.97	1,008.48	2,256.19	1,114.25	2.94	-0.44	0.066
67.50	-15.44	-1.60	0.00	-131.39	0.00	131.39	2,011.16	1,005.58	2,243.13	1,107.80	2.99	-0.45	0.066
68.00	-15.35	-1.59	0.00	-130.59	0.00	130.59	2,005.34	1,002.67	2,230.12	1,101.37	3.04	-0.45	0.066
68.50	-15.26	-1.59	0.00	-129.79	0.00	129.79	1,999.53	999.77	2,217.14	1,094.96	3.09	-0.45	0.066
69.00	-15.16	-1.59	0.00	-129.00	0.00	129.00	1,993.72	996.86	2,204.19	1,088.57	3.13	-0.46	0.066
69.50	-15.07	-1.59	0.00	-128.20	0.00	128.20	1,987.91	993.96	2,191.29	1,082.20	3.18	-0.46	0.066
70.00	-14.95	-1.58	0.00	-127.41	0.00	127.41	1,982.10	991.05	2,178.42	1,075.84	3.23	-0.47	0.065
70.50	-14.82	-1.58	0.00	-126.62	0.00	126.62	1,976.29	988.14	2,165.59	1,069.51	3.28	-0.47	0.064
71.00	-14.70	-1.58	0.00	-125.83	0.00	125.83	1,970.48	985.24	2,152.80	1,063.19	3.33	-0.47	0.064
71.50	-14.58	-1.58	0.00	-125.04	0.00	125.04	1,964.67	982.33	2,140.05	1,056.89	3.38	-0.48	0.064
72.00	-14.45	-1.57	0.00	-124.25	0.00	124.25	1,958.85	979.43	2,127.34	1,050.61	3.43	-0.48	0.064
72.50	-14.33	-1.57	0.00	-123.46	0.00	123.46	1,953.04	976.52	2,114.66	1,044.35	3.48	-0.49	0.064
73.00	-14.25	-1.57	0.00	-122.68	0.00	122.68	1,947.23	973.62	2,102.02	1,038.11	3.53	-0.49	0.063
73.33	-14.21	-1.57	0.00	-122.16	0.00	122.16	1,943.40	971.70	2,093.70	1,034.00	3.56	-0.49	0.063
73.33	-14.21	-1.57	0.00	-122.16	0.00	122.16	1,943.40	971.70	2,093.70	1,034.00	3.56	-0.49	0.069
73.50	-14.13	-1.57	0.00	-121.89	0.00	121.89	1,473.96	736.98	1,624.57	802.32	3.58	-0.49	0.083
74.00	-14.05	-1.57	0.00	-121.11	0.00	121.11	1,471.41	735.71	1,616.97	798.56	3.63	-0.50	0.082
74.50	-13.97	-1.57	0.00	-120.33	0.00	120.33	1,468.85	734.43	1,609.36	794.80	3.69	-0.50	0.082
75.00	-13.89	-1.57	0.00	-119.54	0.00	119.54	1,466.28	733.14	1,601.77	791.05	3.74	-0.51	0.082
75.50	-13.81	-1.57	0.00	-118.76	0.00	118.76	1,463.70	731.85	1,594.18	787.30	3.79	-0.51	0.081
76.00	-13.74	-1.57	0.00	-117.97	0.00	117.97	1,461.11	730.55	1,586.59	783.56	3.85	-0.51	0.081
76.50	-13.66	-1.57	0.00	-117.19	0.00	117.19	1,458.51	729.25	1,579.01	779.81	3.90	-0.52	0.081
77.00	-13.58	-1.57	0.00	-116.41	0.00	116.41	1,455.89	727.95	1,571.44	776.07	3.95	-0.52	0.081
77.50	-13.50	-1.57	0.00	-115.62	0.00	115.62	1,453.27	726.64	1,563.87	772.34	4.01	-0.53	0.080
78.00	-13.42	-1.57	0.00	-114.84	0.00	114.84	1,450.64	725.32	1,556.31	768.60	4.06	-0.53	0.080
78.50	-13.35	-1.57	0.00	-114.05	0.00	114.05	1,447.99	724.00	1,548.75	764.87	4.12	-0.54	0.080
79.00	-13.27	-1.57	0.00	-113.27	0.00	113.27	1,445.34	722.67	1,541.20	761.14	4.18	-0.54	0.079
79.50	-13.19	-1.57	0.00	-112.48	0.00	112.48	1,442.68	721.34	1,533.65	757.41	4.23	-0.55	0.079
80.00	-13.11	-1.57	0.00	-111.70	0.00	111.70	1,440.00	720.00	1,526.12	753.69	4.29	-0.55	0.079
80.50	-13.03	-1.58	0.00	-110.91	0.00	110.91	1,437.32	718.66	1,518.59	749.97	4.35	-0.56	0.078
81.00	-12.96	-1.58	0.00	-110.12	0.00	110.12	1,434.62	717.31	1,511.06	746.26	4.41	-0.56	0.078
81.50	-12.88	-1.58	0.00	-109.33	0.00	109.33	1,431.91	715.96	1,503.54	742.54	4.47	-0.56	0.078
82.00	-12.80	-1.58	0.00	-108.54	0.00	108.54	1,429.20	714.60	1,496.03	738.83	4.53	-0.57	0.077
82.50	-12.72	-1.58	0.00	-107.75	0.00	107.75	1,426.47	713.23	1,488.53	735.13	4.59	-0.57	0.077
83.00	-12.65	-1.59	0.00	-106.96	0.00	106.96	1,423.73	711.87	1,481.03	731.43	4.65	-0.58	0.077
83.50	-12.57	-1.59	0.00	-106.17	0.00	106.17	1,420.98	710.49	1,473.54	727.73	4.71	-0.58	0.076
84.00	-12.49	-1.59	0.00	-105.37	0.00	105.37	1,418.23	709.11	1,466.06	724.03	4.77	-0.59	0.076
84.50	-12.42	-1.59	0.00	-104.58	0.00	104.58	1,415.46	707.73	1,458.58	720.34	4.83	-0.59	0.076
85.00	-12.34	-1.60	0.00	-103.78	0.00	103.78	1,412.68	706.34	1,451.11	716.65	4.89	-0.60	0.075
85.50	-12.26	-1.60	0.00	-102.98	0.00	102.98	1,409.89	704.94	1,443.65	712.97	4.96	-0.60	0.075
86.00	-12.19	-1.60	0.00	-102.19	0.00	102.19	1,407.09	703.54	1,436.20	709.28	5.02	-0.61	0.075
86.50	-12.11	-1.60	0.00	-101.39	0.00	101.39	1,404.28	702.14	1,428.75	705.61	5.08	-0.61	0.074
87.00	-12.03	-1.61	0.00	-100.58	0.00	100.58	1,401.46	700.73	1,421.32	701.93	5.15	-0.61	0.074
87.50	-11.96	-1.61	0.00	-99.78	0.00	99.78	1,398.63	699.31	1,413.89	698.26	5.21	-0.62	0.074
88.00	-11.88	-1.61	0.00	-98.97	0.00	98.97	1,395.79	697.89	1,406.46	694.60	5.28	-0.62	0.073
88.50	-11.81	-1.62	0.00	-98.17	0.00	98.17	1,392.93	696.47	1,399.05	690.94	5.34	-0.63	0.073
89.00	-11.73	-1.62	0.00	-97.36	0.00	97.36	1,390.07	695.04	1,391.64	687.28	5.41	-0.63	0.073

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:38 PM

Customer: SPRINT NEXTEL

89.50	-11.65	-1.62	0.00	-96.55	0.00	96.55	1,387.20	693.60	1,384.25	683.63	5.47	-0.64	0.072
90.00	-11.58	-1.63	0.00	-95.74	0.00	95.74	1,384.32	692.16	1,376.86	679.98	5.54	-0.64	0.072
90.50	-11.50	-1.63	0.00	-94.92	0.00	94.92	1,381.42	690.71	1,369.48	676.33	5.61	-0.65	0.072
91.00	-11.43	-1.64	0.00	-94.11	0.00	94.11	1,378.52	689.26	1,362.10	672.69	5.68	-0.65	0.071
91.50	-11.35	-1.64	0.00	-93.29	0.00	93.29	1,375.61	687.80	1,354.74	669.06	5.74	-0.65	0.071
92.00	-11.27	-1.64	0.00	-92.47	0.00	92.47	1,372.68	686.34	1,347.39	665.42	5.81	-0.66	0.070
92.50	-11.20	-1.65	0.00	-91.65	0.00	91.65	1,369.75	684.87	1,340.04	661.80	5.88	-0.66	0.070
93.00	-11.12	-1.65	0.00	-90.82	0.00	90.82	1,366.80	683.40	1,332.70	658.17	5.95	-0.67	0.070
93.50	-11.05	-1.66	0.00	-90.00	0.00	90.00	1,363.85	681.92	1,325.38	654.55	6.02	-0.67	0.069
94.00	-10.97	-1.66	0.00	-89.17	0.00	89.17	1,360.88	680.44	1,318.06	650.94	6.09	-0.68	0.069
94.50	-10.90	-1.66	0.00	-88.34	0.00	88.34	1,357.90	678.95	1,310.75	647.33	6.17	-0.68	0.068
95.00	-10.82	-1.67	0.00	-87.51	0.00	87.51	1,354.92	677.46	1,303.45	643.72	6.24	-0.69	0.068
95.50	-10.75	-1.67	0.00	-86.67	0.00	86.67	1,351.92	675.96	1,296.16	640.12	6.31	-0.69	0.068
96.00	-10.67	-1.68	0.00	-85.84	0.00	85.84	1,348.91	674.46	1,288.88	636.53	6.38	-0.70	0.067
96.50	-10.60	-1.68	0.00	-85.00	0.00	85.00	1,345.89	672.95	1,281.61	632.94	6.45	-0.70	0.067
97.00	-10.52	-1.68	0.00	-84.16	0.00	84.16	1,342.86	671.43	1,274.35	629.35	6.53	-0.70	0.066
97.50	-10.45	-1.69	0.00	-83.32	0.00	83.32	1,339.82	669.91	1,267.09	625.77	6.60	-0.71	0.066
98.00	-10.38	-1.69	0.00	-82.47	0.00	82.47	1,336.78	668.39	1,259.85	622.19	6.68	-0.71	0.066
98.50	-10.30	-1.70	0.00	-81.63	0.00	81.63	1,333.72	666.86	1,252.62	618.62	6.75	-0.72	0.065
99.00	-10.23	-1.70	0.00	-80.78	0.00	80.78	1,330.65	665.32	1,245.40	615.06	6.83	-0.72	0.065
99.50	-10.15	-1.70	0.00	-79.93	0.00	79.93	1,327.57	663.78	1,238.19	611.50	6.90	-0.73	0.064
100.00	-10.08	-1.71	0.00	-79.07	0.00	79.07	1,324.47	662.24	1,230.99	607.94	6.98	-0.73	0.064
100.50	-10.01	-1.71	0.00	-78.22	0.00	78.22	1,321.37	660.69	1,223.80	604.39	7.06	-0.73	0.063
101.00	-9.93	-1.72	0.00	-77.36	0.00	77.36	1,318.26	659.13	1,216.62	600.84	7.13	-0.74	0.063
101.50	-9.86	-1.72	0.00	-76.51	0.00	76.51	1,315.14	657.57	1,209.45	597.30	7.21	-0.74	0.062
102.00	-9.78	-1.72	0.00	-75.65	0.00	75.65	1,312.01	656.00	1,202.30	593.77	7.29	-0.75	0.062
102.50	-9.71	-1.73	0.00	-74.78	0.00	74.78	1,308.86	654.43	1,195.15	590.24	7.37	-0.75	0.061
103.00	-9.64	-1.73	0.00	-73.92	0.00	73.92	1,305.71	652.86	1,188.02	586.72	7.45	-0.76	0.061
103.50	-9.56	-1.73	0.00	-73.05	0.00	73.05	1,302.55	651.27	1,180.89	583.20	7.53	-0.76	0.061
104.00	-9.49	-1.74	0.00	-72.19	0.00	72.19	1,299.37	649.69	1,173.78	579.69	7.61	-0.76	0.060
104.50	-9.42	-1.74	0.00	-71.32	0.00	71.32	1,296.19	648.09	1,166.68	576.18	7.69	-0.77	0.060
105.00	-9.34	-1.74	0.00	-70.45	0.00	70.45	1,292.99	646.50	1,159.59	572.68	7.77	-0.77	0.059
105.50	-9.27	-1.75	0.00	-69.58	0.00	69.58	1,289.98	644.49	1,151.78	568.82	7.85	-0.78	0.059
106.00	-9.20	-1.75	0.00	-68.70	0.00	68.70	1,284.33	642.16	1,143.44	564.70	7.93	-0.78	0.058
106.50	-9.13	-1.75	0.00	-67.83	0.00	67.83	1,279.68	639.84	1,135.13	560.60	8.01	-0.79	0.058
107.00	-9.05	-1.76	0.00	-66.95	0.00	66.95	1,275.03	637.51	1,126.85	556.51	8.09	-0.79	0.057
107.50	-8.98	-1.76	0.00	-66.07	0.00	66.07	1,270.38	635.19	1,118.60	552.44	8.18	-0.79	0.057
108.00	-8.91	-1.76	0.00	-65.19	0.00	65.19	1,265.73	632.87	1,110.38	548.38	8.26	-0.80	0.056
108.50	-8.83	-1.76	0.00	-64.31	0.00	64.31	1,261.08	630.54	1,102.19	544.33	8.34	-0.80	0.056
109.00	-8.76	-1.77	0.00	-63.43	0.00	63.43	1,256.43	628.22	1,094.04	540.30	8.43	-0.81	0.055
109.50	-8.69	-1.77	0.00	-62.55	0.00	62.55	1,251.78	625.89	1,085.91	536.29	8.51	-0.81	0.055
110.00	-8.63	-1.77	0.00	-61.66	0.00	61.66	1,247.14	623.57	1,077.81	532.29	8.60	-0.81	0.054
110.00	-8.63	-1.77	0.00	-61.66	0.00	61.66	853.24	426.62	741.79	366.34	8.60	-0.81	0.000
110.50	-8.57	-1.77	0.00	-60.78	0.00	60.78	851.46	425.73	737.46	364.21	8.68	-0.82	0.076
111.00	-8.51	-1.77	0.00	-59.89	0.00	59.89	849.67	424.84	733.15	362.07	8.77	-0.82	0.075
111.50	-8.45	-1.78	0.00	-59.00	0.00	59.00	847.87	423.94	728.83	359.94	8.86	-0.83	0.074
112.00	-8.39	-1.78	0.00	-58.12	0.00	58.12	846.07	423.03	724.52	357.81	8.94	-0.83	0.073
112.50	-8.33	-1.78	0.00	-57.23	0.00	57.23	844.25	422.12	720.21	355.68	9.03	-0.84	0.073
113.00	-8.27	-1.78	0.00	-56.34	0.00	56.34	842.42	421.21	715.90	353.56	9.12	-0.84	0.072
113.50	-8.21	-1.78	0.00	-55.45	0.00	55.45	840.58	420.29	711.60	351.43	9.21	-0.85	0.071
114.00	-8.15	-1.78	0.00	-54.56	0.00	54.56	838.73	419.36	707.30	349.31	9.30	-0.85	0.070
114.50	-8.09	-1.78	0.00	-53.67	0.00	53.67	836.87	418.43	703.00	347.19	9.39	-0.86	0.069
115.00	-8.03	-1.78	0.00	-52.78	0.00	52.78	834.99	417.50	698.71	345.06	9.48	-0.86	0.068
115.50	-7.97	-1.78	0.00	-51.89	0.00	51.89	833.11	416.56	694.42	342.95	9.57	-0.87	0.067
116.00	-7.91	-1.78	0.00	-51.00	0.00	51.00	831.22	415.61	690.13	340.83	9.66	-0.87	0.067
116.50	-7.87	-1.78	0.00	-50.11	0.00	50.11	829.32	414.66	685.85	338.71	9.75	-0.88	0.066
116.50	-7.87	-1.78	0.00	-50.11	0.00	50.11	829.32	414.66	685.85	338.71	9.75	-0.88	0.157
117.00	-7.83	-1.78	0.00	-49.22	0.00	49.22	827.41	413.70	681.57	336.60	9.84	-0.88	0.156
117.50	-7.80	-1.78	0.00	-48.33	0.00	48.33	825.48	412.74	677.29	334.49	9.94	-0.89	0.154
118.00	-7.76	-1.78	0.00	-47.43	0.00	47.43	823.55	411.77	673.02	332.38	10.03	-0.91	0.152
118.50	-7.72	-1.78	0.00	-46.54	0.00	46.54	821.61	410.80	668.75	330.27	10.13	-0.92	0.150
119.00	-7.68	-1.79	0.00	-45.65	0.00	45.65	819.65	409.83	664.49	328.17	10.22	-0.93	0.148
119.50	-7.65	-1.79	0.00	-44.76	0.00	44.76	817.69	408.84	660.23	326.06	10.32	-0.94	0.147
120.00	-7.61	-1.79	0.00	-43.86	0.00	43.86	815.71	407.86	655.98	323.96	10.42	-0.95	0.145

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:39 PM

Customer: SPRINT NEXTEL

120.50	-7.57	-1.79	0.00	-42.97	0.00	42.97	813.73	406.86	651.73	321.87	10.52	-0.96	0.143
121.00	-7.54	-1.79	0.00	-42.08	0.00	42.08	811.73	405.86	647.49	317.77	10.62	-0.97	0.141
121.50	-7.50	-1.78	0.00	-41.19	0.00	41.19	809.72	404.86	643.25	317.68	10.72	-0.98	0.139
122.00	-7.46	-1.78	0.00	-40.29	0.00	40.29	807.71	403.85	639.01	315.58	10.83	-0.99	0.137
122.50	-7.43	-1.78	0.00	-39.40	0.00	39.40	805.68	402.84	634.78	313.49	10.93	-1.00	0.135
123.00	-7.39	-1.78	0.00	-38.51	0.00	38.51	803.64	401.82	630.56	311.41	11.04	-1.01	0.133
123.50	-7.35	-1.78	0.00	-37.62	0.00	37.62	801.59	400.80	626.34	309.32	11.14	-1.02	0.131
124.00	-7.31	-1.78	0.00	-36.73	0.00	36.73	799.54	399.77	622.12	307.24	11.25	-1.03	0.129
124.50	-7.28	-1.78	0.00	-35.84	0.00	35.84	797.47	398.73	617.91	305.16	11.36	-1.04	0.127
125.00	-7.24	-1.78	0.00	-34.95	0.00	34.95	795.39	397.69	613.71	303.09	11.47	-1.05	0.124
125.50	-7.21	-1.78	0.00	-34.06	0.00	34.06	793.30	396.65	609.51	301.01	11.58	-1.06	0.122
126.00	-7.17	-1.77	0.00	-33.17	0.00	33.17	791.20	395.60	605.32	298.94	11.69	-1.07	0.120
126.50	-7.13	-1.77	0.00	-32.28	0.00	32.28	789.09	394.54	601.13	296.88	11.81	-1.08	0.118
127.00	-7.10	-1.77	0.00	-31.40	0.00	31.40	786.97	393.48	596.95	294.81	11.92	-1.09	0.116
127.50	-7.06	-1.77	0.00	-30.51	0.00	30.51	784.84	392.42	592.78	292.75	12.03	-1.10	0.113
128.00	-7.02	-1.77	0.00	-29.63	0.00	29.63	782.69	391.35	588.61	290.69	12.15	-1.11	0.111
128.50	-6.99	-1.76	0.00	-28.74	0.00	28.74	780.54	390.27	584.44	288.64	12.27	-1.12	0.109
129.00	-6.95	-1.76	0.00	-27.86	0.00	27.86	778.38	389.19	580.29	286.58	12.38	-1.13	0.106
129.50	-6.92	-1.76	0.00	-26.98	0.00	26.98	776.21	388.10	576.14	284.53	12.50	-1.13	0.104
130.00	-6.88	-1.75	0.00	-26.10	0.00	26.10	774.02	387.01	572.00	282.49	12.62	-1.14	0.101
130.50	-6.85	-1.75	0.00	-25.23	0.00	25.23	771.83	385.91	567.86	280.44	12.74	-1.15	0.099
131.00	-4.07	-1.39	0.00	-24.35	0.00	24.35	769.63	384.81	563.73	278.40	12.86	-1.16	0.093
131.50	-4.04	-1.39	0.00	-23.66	0.00	23.66	767.41	383.71	559.60	276.37	12.98	-1.17	0.091
132.00	-4.01	-1.38	0.00	-22.96	0.00	22.96	765.19	382.59	555.49	274.33	13.11	-1.18	0.089
132.50	-3.98	-1.38	0.00	-22.27	0.00	22.27	762.95	381.48	551.38	272.31	13.23	-1.18	0.087
133.00	-3.95	-1.38	0.00	-21.58	0.00	21.58	760.71	380.35	547.28	270.28	13.36	-1.19	0.085
133.50	-3.92	-1.37	0.00	-20.89	0.00	20.89	758.45	379.23	543.18	268.26	13.48	-1.20	0.083
134.00	-3.89	-1.37	0.00	-20.21	0.00	20.21	756.18	378.09	539.09	266.24	13.61	-1.20	0.081
134.50	-3.86	-1.36	0.00	-19.52	0.00	19.52	753.91	376.95	535.01	264.22	13.73	-1.21	0.079
135.00	-3.83	-1.36	0.00	-18.84	0.00	18.84	751.62	375.81	530.94	262.21	13.86	-1.22	0.077
135.50	-3.80	-1.35	0.00	-18.16	0.00	18.16	749.32	374.66	526.87	260.20	13.99	-1.23	0.075
136.00	-3.77	-1.35	0.00	-17.49	0.00	17.49	747.01	373.51	522.82	258.20	14.12	-1.23	0.073
136.50	-3.74	-1.34	0.00	-16.81	0.00	16.81	744.70	372.35	518.77	256.20	14.25	-1.24	0.071
137.00	-3.71	-1.34	0.00	-16.14	0.00	16.14	742.37	371.18	514.72	254.20	14.38	-1.24	0.069
137.50	-3.68	-1.33	0.00	-15.48	0.00	15.48	740.03	370.01	510.69	252.21	14.51	-1.25	0.066
138.00	-3.65	-1.33	0.00	-14.81	0.00	14.81	737.68	368.84	506.66	250.22	14.64	-1.26	0.064
138.50	-3.62	-1.32	0.00	-14.15	0.00	14.15	735.32	367.66	502.65	248.24	14.77	-1.26	0.062
139.00	-3.59	-1.31	0.00	-13.49	0.00	13.49	732.95	366.47	498.64	246.26	14.90	-1.27	0.060
139.50	-3.56	-1.31	0.00	-12.83	0.00	12.83	730.57	365.28	494.64	244.28	15.04	-1.27	0.057
140.00	-3.53	-1.30	0.00	-12.18	0.00	12.18	728.18	364.09	490.64	242.31	15.17	-1.28	0.055
140.50	-3.50	-1.29	0.00	-11.53	0.00	11.53	725.74	362.72	486.44	240.23	15.30	-1.28	0.053
141.00	-3.42	-1.27	0.00	-10.88	0.00	10.88	721.95	360.98	481.74	237.92	15.44	-1.29	0.050
141.50	-3.39	-1.27	0.00	-10.24	0.00	10.24	718.47	359.23	477.08	235.61	15.57	-1.29	0.048
142.00	-3.37	-1.26	0.00	-9.61	0.00	9.61	714.98	357.49	472.43	233.32	15.71	-1.30	0.046
142.50	-3.34	-1.25	0.00	-8.98	0.00	8.98	711.49	355.75	467.81	231.03	15.85	-1.30	0.044
143.00	-3.31	-1.25	0.00	-8.35	0.00	8.35	708.01	354.00	463.21	228.76	15.98	-1.31	0.041
143.50	-3.29	-1.24	0.00	-7.73	0.00	7.73	704.52	352.26	458.63	226.50	16.12	-1.31	0.039
144.00	-3.26	-1.23	0.00	-7.11	0.00	7.11	701.03	350.52	454.07	224.25	16.26	-1.31	0.036
144.50	-3.23	-1.22	0.00	-6.50	0.00	6.50	697.55	348.77	449.54	222.01	16.39	-1.32	0.034
145.00	-3.21	-1.22	0.00	-5.88	0.00	5.88	694.06	347.03	445.03	219.78	16.53	-1.32	0.031
145.50	-3.18	-1.21	0.00	-5.28	0.00	5.28	690.57	345.29	440.55	217.57	16.67	-1.32	0.029
146.00	-3.16	-1.20	0.00	-4.67	0.00	4.67	687.09	343.54	436.08	215.36	16.81	-1.32	0.026
146.50	-3.13	-1.19	0.00	-4.07	0.00	4.07	683.60	341.80	431.64	213.17	16.95	-1.33	0.024
147.00	-3.10	-1.18	0.00	-3.48	0.00	3.48	680.11	340.06	427.22	210.99	17.09	-1.33	0.021
147.50	-3.08	-1.17	0.00	-2.89	0.00	2.89	676.63	338.31	422.83	208.82	17.23	-1.33	0.018
148.00	-3.05	-1.16	0.00	-2.30	0.00	2.30	673.14	336.57	418.45	206.66	17.37	-1.33	0.016
148.50	-3.03	-1.16	0.00	-1.72	0.00	1.72	669.65	334.83	414.10	204.51	17.50	-1.33	0.013
149.00	-3.00	-1.15	0.00	-1.14	0.00	1.14	666.16	333.08	409.78	202.37	17.64	-1.33	0.010
149.50	-2.98	-1.14	0.00	-0.57	0.00	0.57	662.68	331.34	405.47	200.25	17.78	-1.33	0.007
150.00	0.00	-1.07	0.00	0.00	0.00	0.00	659.19	329.60	401.19	198.13	17.92	-1.33	0.000

Site Number: 302494

Code: ANSI/TIA-222-G

©2007 - 2018 by ATC IP LLC. All rights reserved.

Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_05

4/24/2018 5:54:39 PM

Customer: SPRINT NEXTEL

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	22.07	0.00	42.08	0.00	0.00	2345.13	116.50	0.86
0.9D + 1.6W	21.10	0.00	31.56	0.00	0.00	2203.30	116.50	0.82
1.2D + 1.0Di + 1.0Wi	4.49	0.00	67.13	0.00	0.00	525.86	116.50	0.24
(1.2 + 0.2Sds) * DL + E ELFM	1.37	0.00	43.26	0.00	0.00	176.90	116.50	0.08
(1.2 + 0.2Sds) * DL + E EMAM	2.17	0.00	43.26	0.00	0.00	267.23	116.50	0.17
(0.9 - 0.2Sds) * DL + E ELFM	1.36	0.00	30.15	0.00	0.00	172.37	116.50	0.08
(0.9 - 0.2Sds) * DL + E EMAM	2.17	0.00	30.15	0.00	0.00	260.04	116.50	0.16
1.0D + 1.0W	4.65	0.00	35.07	0.00	0.00	489.81	116.50	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)	Shear Applied (kips)	Shear 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	36.6	(3) PL-PL 7 x 1.25	364.3	6.6	25.3	0.0	25.3	0	0	0.0	25.3	0	0	377.9	482.5	0.783
36.6	73.3	(3) PL-PL 6 x 1.25	382.1	6.9	25.3	0.0	25.3	0	0	0.0	25.3	0	0	326.2	413.6	0.789
73.3	110.	(3) PL-PL 5" x 1.25"	416.7	7.5	25.3	0.0	25.3	0	0	0.0	25.3	0	0	250.6	344.6	0.727
110.	116.	(3) PL-PL 4 x 1.25	435.0	7.8	25.3	123.3	25.3	5	6	0.0	25.3	0	0	147.8	275.7	0.536

Base/Flange Plate	Plate Type	Baseplate
	Pole Diameter	37.38 in
	Pole Thickness	0.375 in
	Plate Length	44 in
	Plate Thickness	2.5 in
	Plate Fy	60 ksi
	Weld Length	0.3125 in
	ϕ_s Resistance	2209.25 k-in
	Applied	639.18 k-in
Stiffeners	#	8 Show
	Thickness	0.5 in
	Length	5.25 in
	Height	10.5 in
	Chamfer	0 in
	Offset Angle	0°
	Fy	50 ksi

Bolts	#	8
	Bolt Circle (R)adial / (S)quare	44 in S
	Bolt Gap	6 in
	Diameter	2.25 in
	Hole Diameter	2.625 in
	Type	615 75
	Fy	75 ksi
	Fu	100 ksi
	ϕ_s Resistance	259.82 k
Applied	189.67 k	

Reinforcement	#	0

Extra Bolts O	#	4
	Bolt Circle (R)adial / (S)quare	52.67 in R
	Offset Angle	0°
	Diameter	2.25 in
	Type	615 75
	Fy	75 ksi
	Fu	100 ksi
	ϕ_s Resistance	259.82 k
Applied	233.33 k	

Code Rev. **G**

Date **4/24/2018**
 Engineer **Aaron.Rucker**
 Site # **302494**
 Carrier **SPRINT NEXTEL**

Moment **2345.1 k-ft**
 Axial **42.1 k**

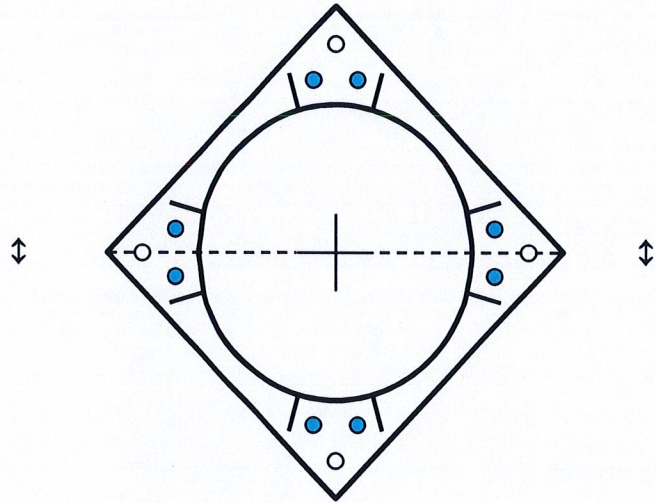


Plate Stress Ratio:
0.29 (Pass)

Bolt Stress Ratio:
0.73 (Pass)

Extra Bolt Stress Ratio:
0.90 (Pass)

Base/Flange Plate	Plate Type	Flange @ 110.0 ft
	Pole Diameter	21.25 in
	Pole Thickness	0.25 in
	Plate Diameter	28.5 in
	Plate Thickness	1 in
	Plate Fy	60 ksi
	Weld Length	0.25 in
	ϕ_s Resistance	210.10 k-in
	Applied	77.30 k-in
	#	12 Show
Stiffeners	Thickness	0.5 in
	Length	2.5 in
	Height	5 in
	Chamfer	0 in
	Offset Angle	0°
	Fy	36 ksi

Code Rev. **G**

Date **4/24/2018**
 Engineer **Aaron.Rucker**
 Site # **302494**
 Carrier **SPRINT NEXTEL**

Moment **367.9 k-ft**
 Axial **10.8 k**

Bolts	#	12
	Bolt Circle	25.75 in
	(R)adial / (S)quare	R
	Diameter	1.125 in
	Hole Diameter	1.25 in
	Type	A325
	Fy	92 ksi
	Fu	120 ksi
	ϕ_s Resistance	68.69 k
	Applied	56.22 k
Reinforcement	#	0
Extra Bolts	#	0

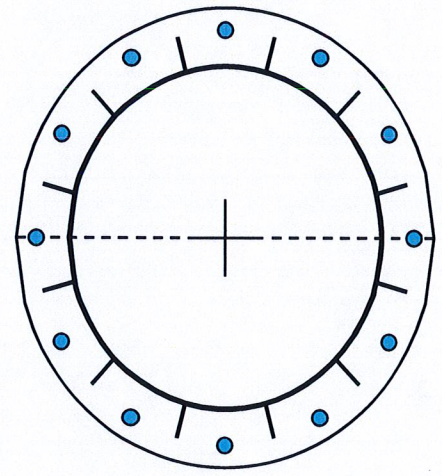
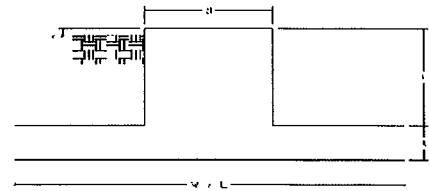


Plate Stress Ratio:
0.37 (Pass)

Bolt Stress Ratio:
0.82 (Pass)

Site Name: Hddm-Haddam, CT
 Site Number: 302494
 Engineering Number: OAA712589
 Engineer: Aaron.Rucker
 Date: 04/24/18
 Tower Type: MP

Program Last Updated: 5/13/2014



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

Design / Analysis / Mapping:	Mapping
Compression/Leg:	42.1 k
Uplift/Leg:	0.0 k
Total Shear:	22.1 k
Moment:	2345.1 k-ft
Tower + Appurtenance Weight:	39.3 k
Depth to Base of Foundation (l + t - h):	4.40 ft
Diameter of Pier (d):	5.64 ft
Height of Pier above Ground (h):	1.80
Width of Pad (W):	20.00 ft
Length of Pad (L):	19.40 ft
Thickness of Pad (t):	2.20 ft
Tower Leg Center to Center:	0.00 ft
Number of Tower Legs:	1.0 (1 if MP or GT)
Tower Center from Mat Center:	0.00 ft
Depth Below Ground Surface to Water Table:	8.00 ft
Unit Weight of Concrete:	150.0 pcf
Unit Weight of Soil Above Water Table:	125.0 pcf
Unit Weight of Water:	62.4 pcf
Unit Weight of Soil Below Water Table:	65.0 pcf
Friction Angle of Uplift:	43.0 Degrees
Ultimate Coefficient of Shear Friction:	0.40
Ultimate Compressive Bearing Pressure:	10600.0 psf
Ultimate Passive Pressure on Pad Face:	4000.0 psf
$\phi_{\text{Soil and Concrete Weight}}$:	0.9
ϕ_{Soil} :	0.75

Overtuning Moment Usage

Design OTM:	2482.0 k-ft
OTM Resistance:	2678.4 k-ft
Design OTM / OTM Resistance:	0.93 Result: OK

Soil Bearing Pressure Usage

Net Bearing Pressure:	3996 psf
Factored Nominal Bearing Pressure:	7950 psf
Net Bearing Pressure/Factored Nominal Bearing Pressure:	0.50 Result: OK
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge

Sliding Factor of Safety

Total Factored Sliding Resistance:	201.5 k
Sliding Design / Sliding Resistance:	0.11 Result: OK