



January 29th, 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 three (3) 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 ROBERT MAYNARD, FIRST SELECTMAN of the Town of EAST WINDSOR. A copy of this letter is also being sent to DEAN & CAREN RASMUSSEN 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,



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)

7017 3040 0000 5168 0174

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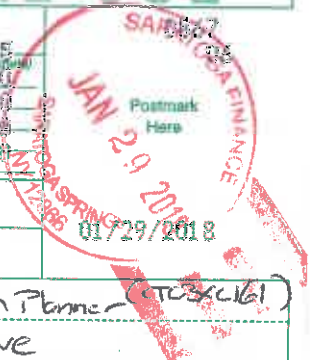
HADDAM, CT 06438

OFFICIAL USE

Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee as appropriate)	\$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	\$6.70

Sent To: Liz Glidden - Turn Planner (CT03XC161)
Street and Apt. No., or PO Box No.: 30 Field Park Drive
City, State, ZIP+4®: Haddam, CT 06438

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



7017 3040 0000 5168 0167

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WOBURN, MA 01801

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Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee as appropriate)	\$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	\$6.70

Sent To: Justice Paul ATC (CT03XC161)
Street and Apt. No., or PO Box No.: 10 Presidential way
City, State, ZIP+4®: Woburn, MA 01801

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



7017 3040 0000 5168 0198

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HIGGANUM, CT 06441

OFFICIAL USE

Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee as appropriate)	\$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	\$6.70

Sent To: Joann M Beroni Foris (CT03XC161)
Street and Apt. No., or PO Box No.: 123 Moms Hubbard Rd
City, State, ZIP+4®: Higganum, CT 06441

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



7017 3040 0000 5168 0161

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HADDAM, CT 06438

OFFICIAL USE

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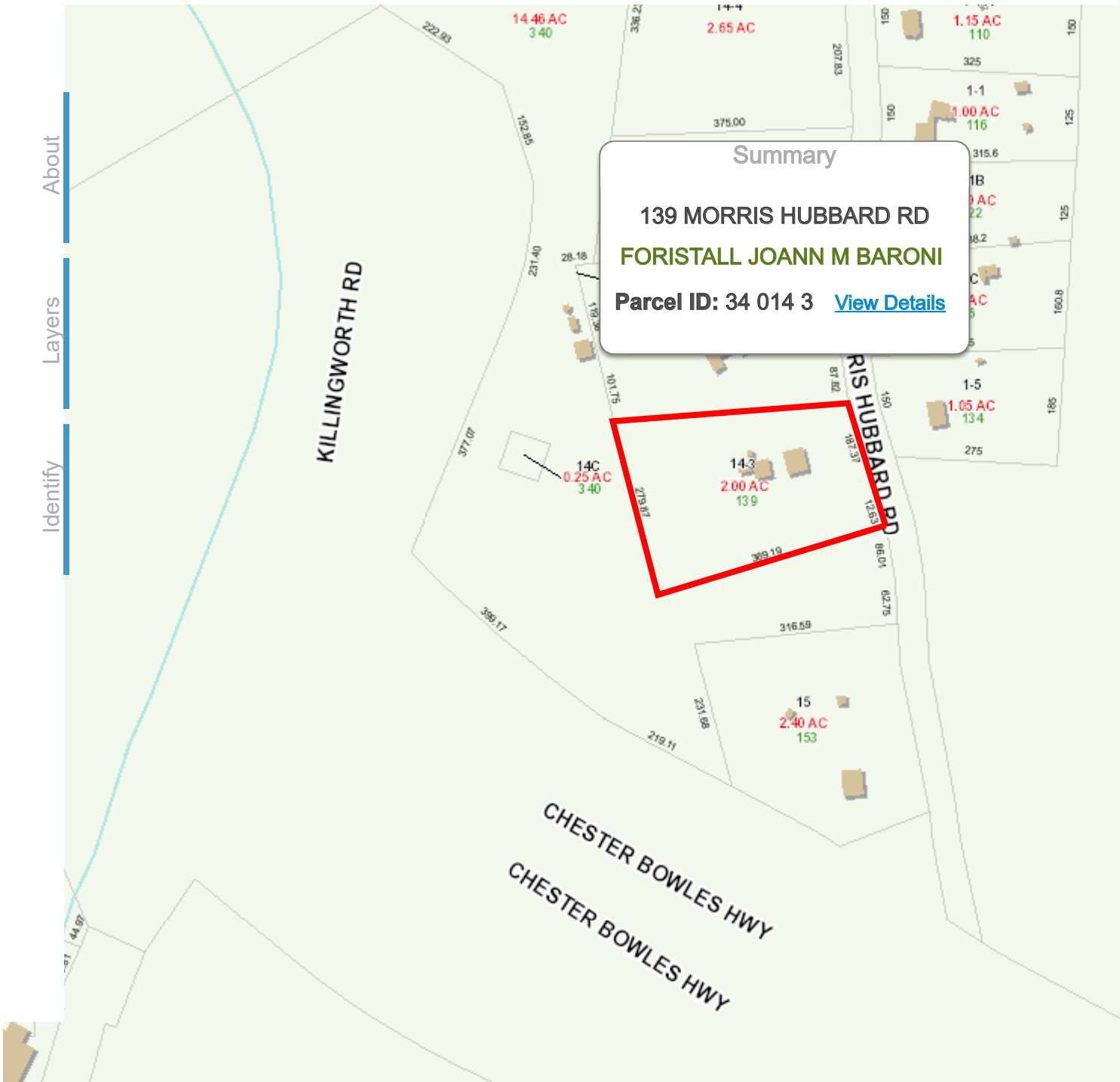
Sent To: Lizz Milardo - 1st Select (CT03XC161)
Street and Apt. No., or PO Box No.: 30 Field Park Drive
City, State, ZIP+4®: Haddam, CT 06438

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



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



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

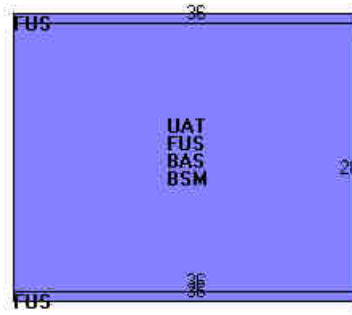
Field	Description
Style	Multi Family
Model	Residential
Grade:	C+
Stories	2
Occupancy	2
Exterior Wall 1	Wood Shingle
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt
Interior Wall 1	Drywall
Interior Wall 2	
Interior Flr 1	Linoleum
Interior Flr 2	Hardwood
Heat Fuel	Electric
Heat Type:	Elec Baseboard
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

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 12205
 Phone: 518-690-0790 | Fax: 518-690-0793
 www.infinigy.com
 JOB NUMBER 526-104

PROJECT MANAGER:

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		01/10/18	JDL	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	AREA MAP	PROJECT DESCRIPTION	DRAWING INDEX																																							
<p>TOWER OWNER: AMERICAN TOWER CORPORATION 10 PRESIDENTIAL WAY WOBURN, MA 01801</p> <p>LATITUDE (NAD83): 41° 28' 18.3" N 41.471750°</p> <p>LONGITUDE (NAD83): 72° 33' 17.604" W -72.55489°</p> <p>COUNTY: MIDDLESEX</p> <p>ZONING JURISDICTION: CONNECTICUT SITING COUNCIL</p> <p>ZONING DISTRICT: N/A</p> <p>POWER COMPANY: CL&P PHONE: (800) 288-2000</p> <p>AAV PROVIDER: AT&T PHONE: (800) 288-2020</p> <p>PROJECT MANAGER: AIROSMITH DEVELOPMENT TERRI BURKHOLDER (315) 719-2928 TBURKHOLDER@AIROSMITHDEVELOPMENT.COM</p>		<p>SPRINT PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY.</p> <ul style="list-style-type: none"> REMOVE (3) PANEL ANTENNAS, (9) PANEL ANTENNA TO REMAIN INSTALL (3) PANEL ANTENNAS REMOVE (1) GROUND MOUNTED 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 <p>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.</p>	<table border="1"> <thead> <tr> <th>SHEET NO.</th> <th>SHEET TITLE</th> <th>REV.</th> </tr> </thead> <tbody> <tr> <td>T-1</td> <td>TITLE SHEET & PROJECT DATA</td> <td>0</td> </tr> <tr> <td>SP-1</td> <td>SPRINT SPECIFICATIONS</td> <td>0</td> </tr> <tr> <td>SP-2</td> <td>SPRINT SPECIFICATIONS</td> <td>0</td> </tr> <tr> <td>SP-3</td> <td>SPRINT SPECIFICATIONS</td> <td>0</td> </tr> <tr> <td>A-1</td> <td>SITE PLAN</td> <td>0</td> </tr> <tr> <td>A-2</td> <td>TOWER ELEVATION</td> <td>0</td> </tr> <tr> <td>A-3</td> <td>ANTENNA LAYOUT & MOUNTING DETAILS</td> <td>0</td> </tr> <tr> <td>A-4</td> <td>EQUIPMENT & MOUNTING DETAILS</td> <td>0</td> </tr> <tr> <td>A-5</td> <td>CIVIL DETAILS</td> <td>0</td> </tr> <tr> <td>A-6</td> <td>PLUMBING DIAGRAM</td> <td>0</td> </tr> <tr> <td>E-1</td> <td>ELECTRICAL & GROUNDING PLAN</td> <td>0</td> </tr> <tr> <td>E-2</td> <td>ELECTRICAL & GROUNDING DETAILS</td> <td>0</td> </tr> </tbody> </table>	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	CIVIL DETAILS	0	A-6	PLUMBING DIAGRAM	0	E-1	ELECTRICAL & GROUNDING PLAN	0	E-2	ELECTRICAL & GROUNDING DETAILS	0
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		<p>APPLICABLE CODES</p> <p>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.</p> <ol style="list-style-type: none"> 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 																																								



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
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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:



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REVISIONS:	DESCRIPTION	DATE	BY	REV.
ISSUED FOR PERMIT		01/10/18	JDL	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. AZIMUTH, 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)

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PLANS PREPARED BY:

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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) 308-3740

ENGINEERING LICENSE:



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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 RADII).
 23. TOWER GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).

24. FENCE GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).
 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:

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www.infinigy.com
JOB NUMBER 526-104

PROJECT MANAGER:

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

ENGINEERING LICENSE:



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REVISIONS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR PERMIT		01/10/18	JDL	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

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

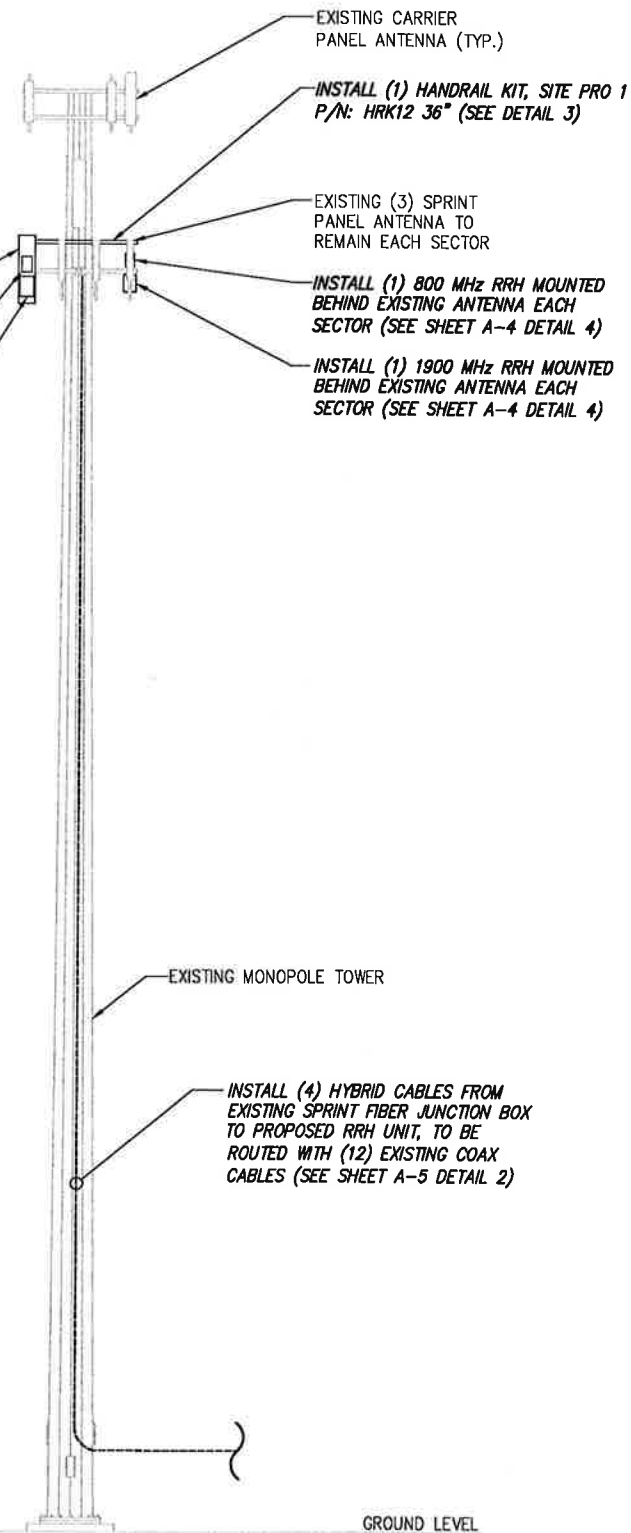
TOP OF TOWER
 ELEV. = ±150'-0" A.G.L.

Ø OF EXISTING/TO BE INSTALLED SPRINT ANTENNAS
 ELEV. = 131'-0" A.G.L.

INSTALL (1) SPRINT TRIBAND ANTENNA TO REPLACE EXISTING ANTENNA EACH SECTOR (SEE SHEET A-4 DETAIL 3)

INSTALL (1) 800 MHz RRH MOUNTED BEHIND PROPOSED ANTENNA EACH SECTOR (SEE SHEET A-4 DETAIL 4)

INSTALL (1) 2.5 MHz RRH MOUNTED BEHIND PROPOSED ANTENNA EACH SECTOR (SEE SHEET A-4 DETAIL 1)



NOTE:
 STRUCTURAL ANALYSIS COMPLETED BY TOWER ENGINEERING PROFESSIONALS. FOR ADDITIONAL INFORMATION SEE REPORT TITLED: "STRUCTURAL ANALYSIS REPORT, ATC SITE NUMBER: 302494", DATED: "SEPTEMBER 21, 2017". ACCORDING TO RESULTS OF STRUCTURAL MODIFICATION REPORT, THE STRUCTURE DOES HAVE 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: "DECEMBER 12, 2017". ACCORDING TO THE RESULTS OF REVIEW, THE ANTENNA AND RRH SUPPORTS ARE NOT ADEQUATE TO SUPPORT THE PROPOSED LOADING. 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	ETCR-654L12H6	KMW	40°	1	-	(2) 800 MHz 2X50W RRH W/ FILTER	SEE SHEET A-5 DETAIL 1	±131' AGL	
	EXISTING	DBB44H90E-XY	DECIBEL	350°	3	REMAIN	(1) TD-RRH8X20-25 W/ SOLAR SHIELD	EXISTING COAX		
	EXISTING	DBB44H90E-XY	DECIBEL	350°	1	REMOVE	(1) 1900 MHz 4X45 RRH	EXISTING COAX		
BETA	PROPOSED	ETCR-654L12H6	KMW	200°	1	-	(2) 800 MHz 2X50W RRH W/ FILTER	SEE SHEET A-5 DETAIL 1	±203'	
	EXISTING	DBB44H90E-XY	DECIBEL	120°	3	REMAIN	(1) TD-RRH8X20-25 W/ SOLAR SHIELD	EXISTING COAX		
	EXISTING	DBB44H90E-XY	DECIBEL	120°	1	REMOVE	(1) 1900 MHz 4X45 RRH	EXISTING COAX		
GAMMA	PROPOSED	ETCR-654L12H6	KMW	290°	1	-	(2) 800 MHz 2X50W RRH W/ FILTER	SEE SHEET A-5 DETAIL 1	±131' AGL	
	EXISTING	DBB44H90E-XY	DECIBEL	240°	3	REMAIN	(1) TD-RRH8X20-25 W/ SOLAR SHIELD	EXISTING COAX		
	EXISTING	DBB44H90E-XY	DECIBEL	240°	1	REMOVE	(1) 1900 MHz 4X45 RRH	EXISTING COAX		

PROJECT SCOPE:

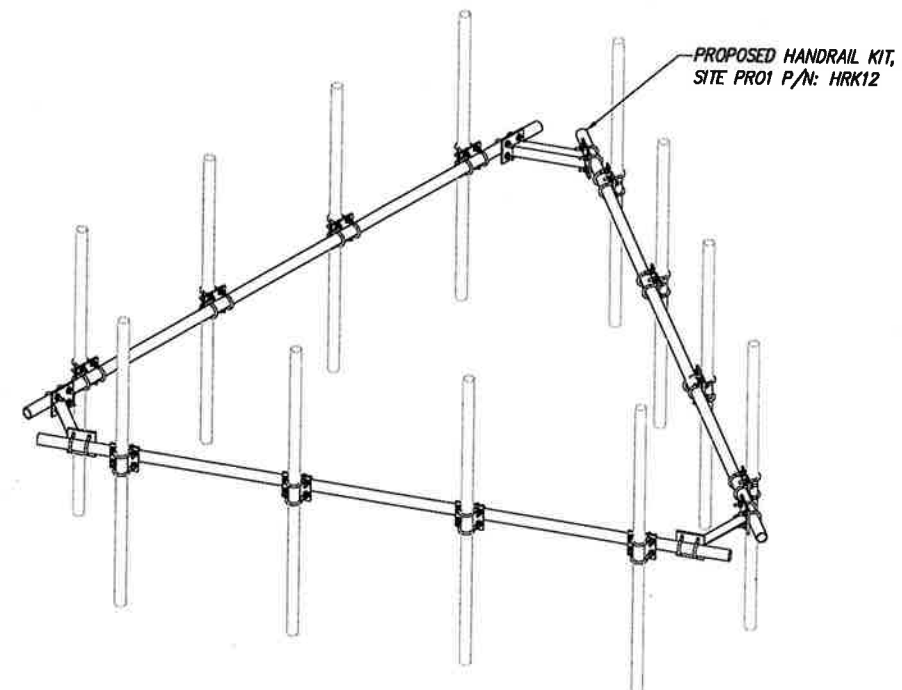
INSTALL: (3) PANEL ANTENNAS AND (12) RRH'S REMOVE: (3) PANEL ANTENNAS

* 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

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PROJECT MANAGER:

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 DEVELOPMENT
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 OFFICE# (518) 308-3740

ENGINEERING LICENSE:



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SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

139 MORRIS HUBBARD RD.
 HIGGANUM, CT 06441

SHEET DESCRIPTION:

TOWER ELEVATION

SHEET NUMBER:

A-2



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SNET - HIGGANUM

CT03XC161

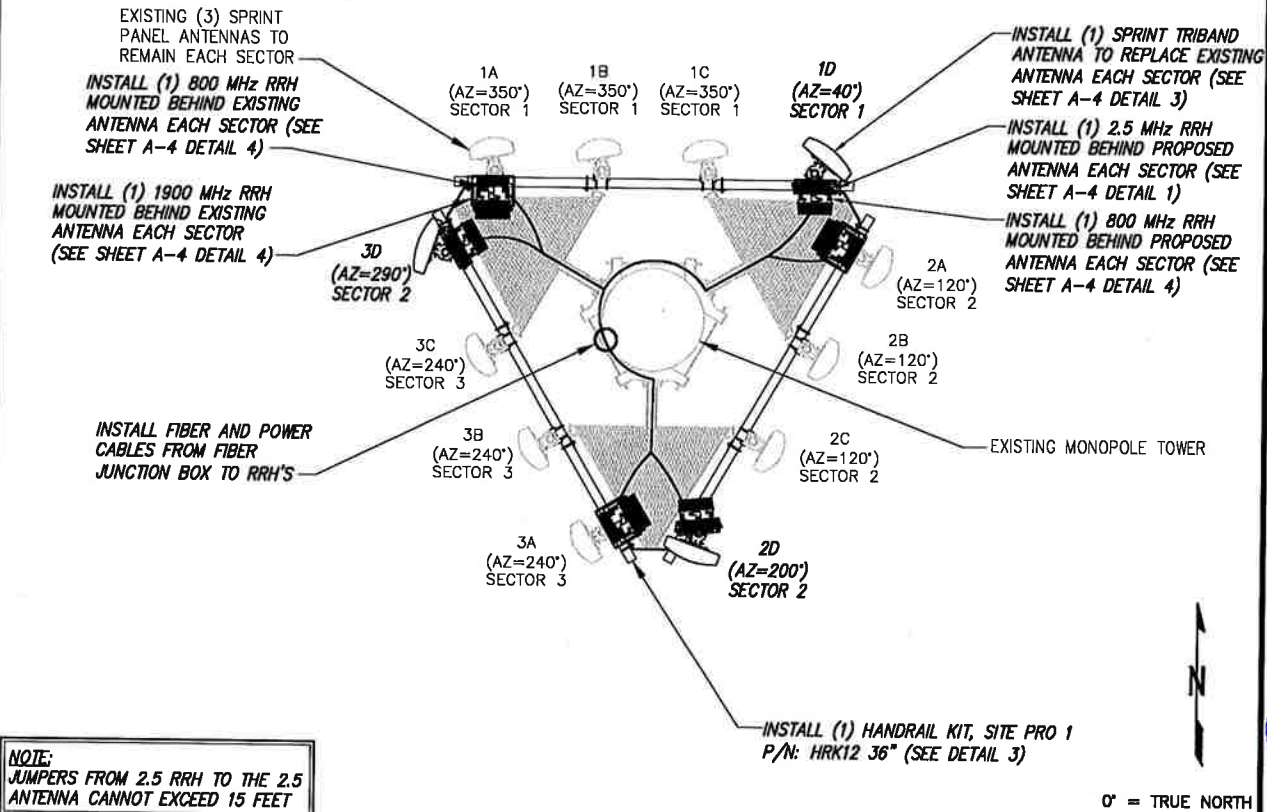
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HIGGANUM, CT 06441

ANTENNA LAYOUT & MOUNTING DETAILS

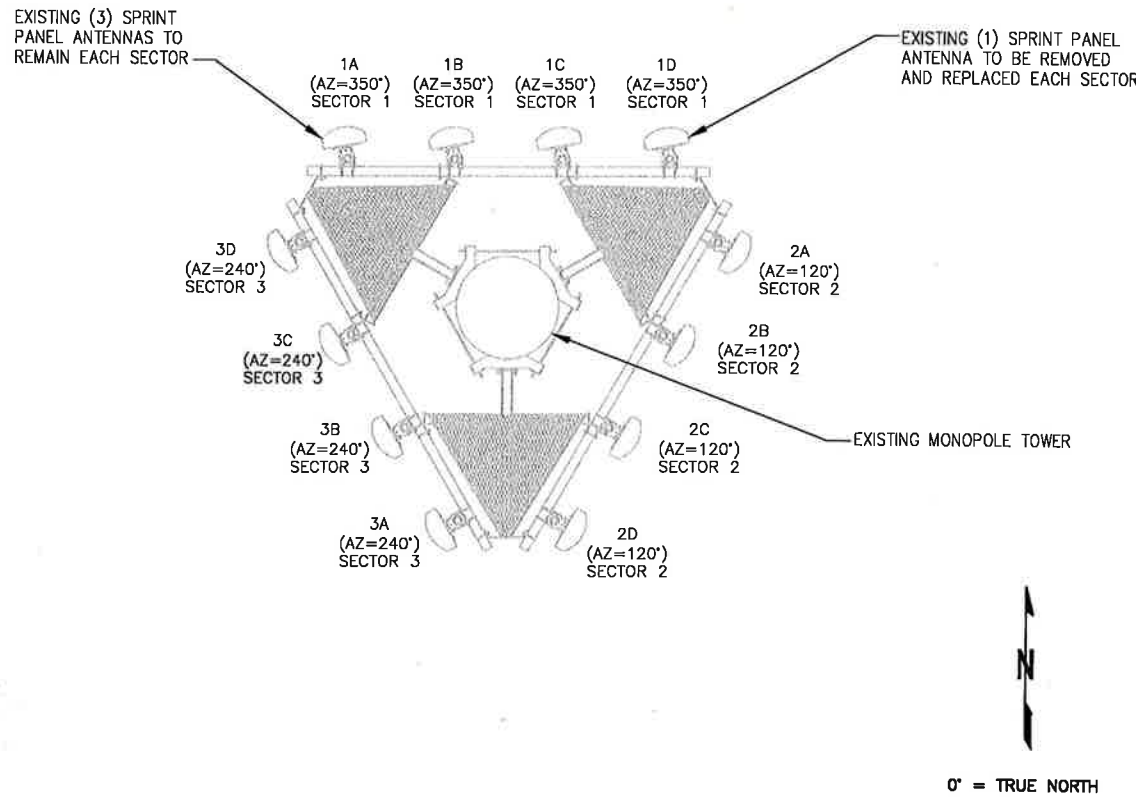
A-3

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

INSTALL (1) HANDRAIL KIT, SITE PRO 1
P/N: HRK12 36" (SEE DETAIL 3)



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



EXISTING ANTENNA LAYOUT

NO SCALE

1

FINAL ANTENNA & RRH LAYOUT

NO SCALE

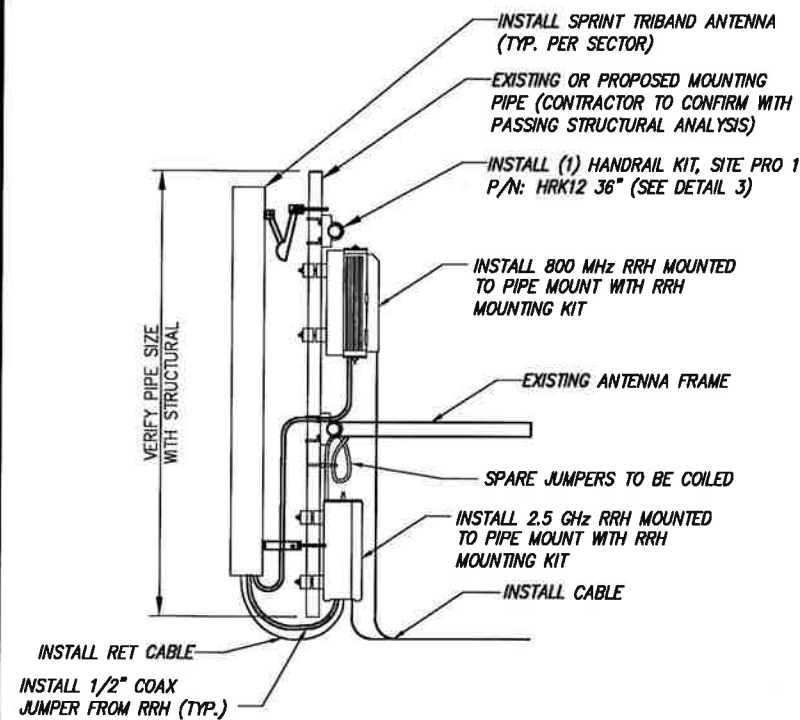
2

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 ANTENNA & RRH MOUNTING DETAILS

NO SCALE

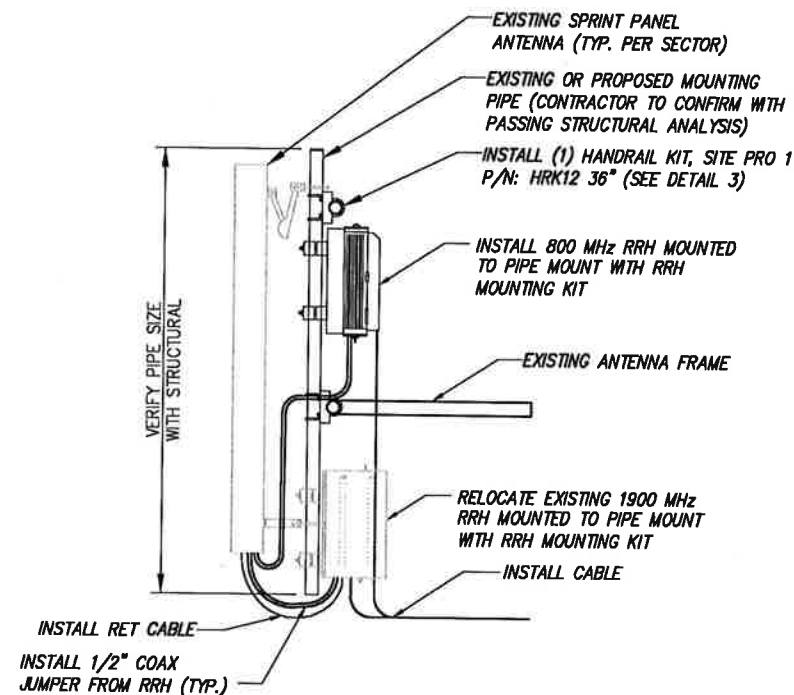
3

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.



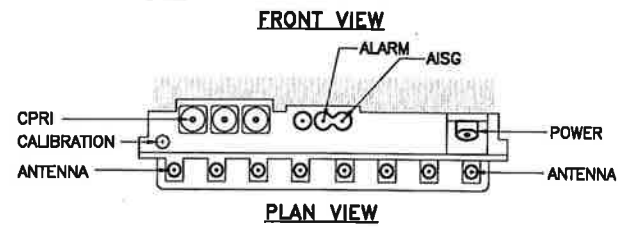
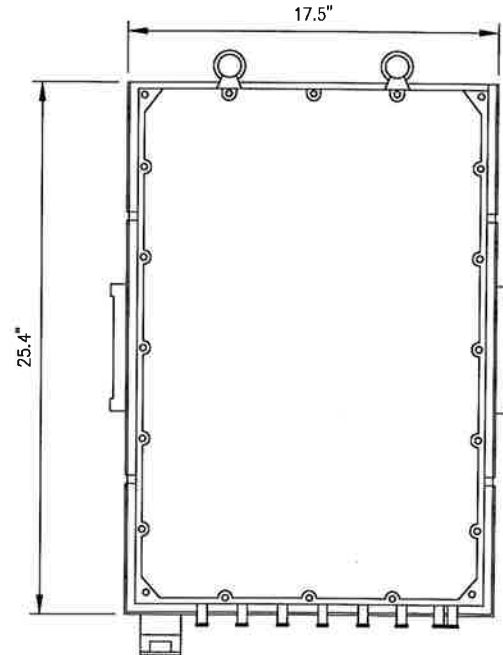
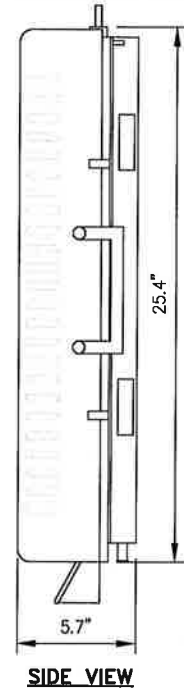
TYPICAL RRH MOUNTING DETAILS

NO SCALE

4

RRH: ALCATEL LUCENT TD-RRH8X20

COLOR: LIGHT GREY
WEIGHT: 70 LBS.



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.

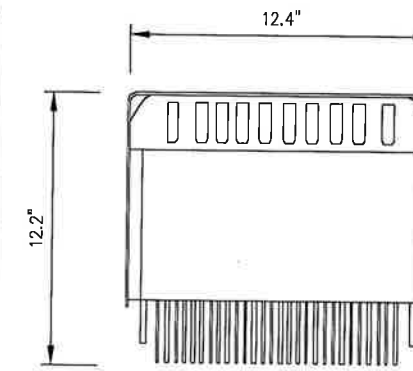
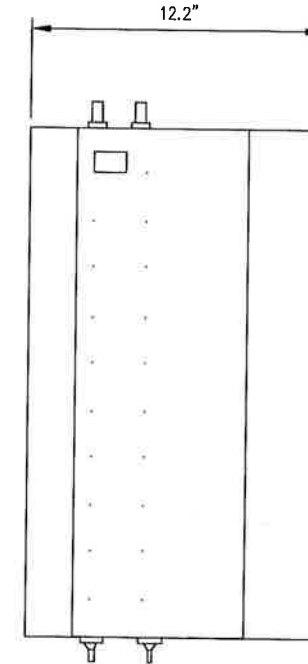
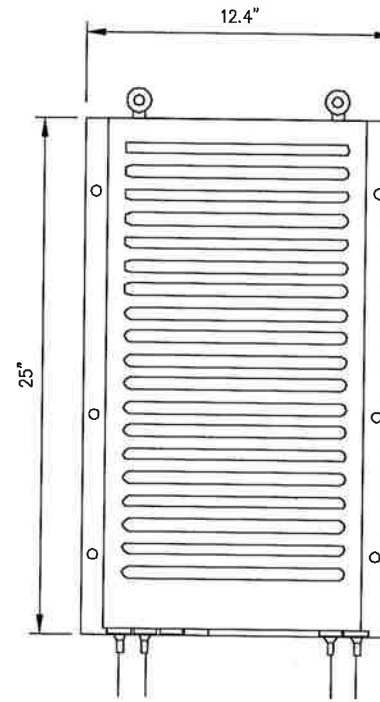
2.5 GHz RRH

NO SCALE

1

RRH: ALCATEL LUCENT 1900 MHz

COLOR: LIGHT GREY
WEIGHT: 70 LBS.
(INCLUDING OPTIONAL SOLAR SHIELD)



FRONT VIEW

SIDE VIEW

TOP VIEW

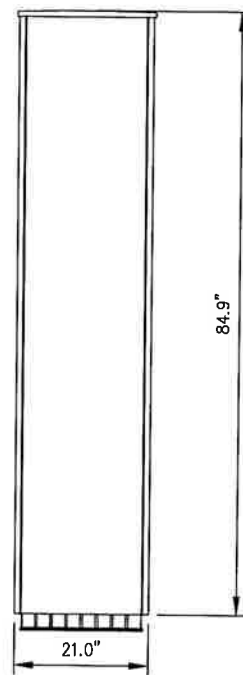
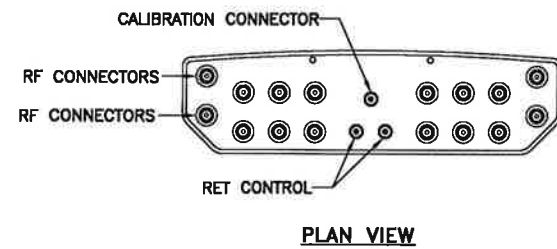
EXISTING 1900 MHz RRH

NO SCALE

2

ANTENNA KMW ETCR-654L12H6

- RADOME MATERIAL: ASA
- RADOME COLOR: LIGHT GREY
- DIMENSIONS, HxWxD.in.(mm): 84.9"x21.0"x6.3" (2156x533x160mm)
- WEIGHT: 84.9 lbs
- CONNECTORS: (8) 7/16" DIN FEMALE
(8) MINI DIN FEMALE
(1) N TYPE(CAL PORT, FEMALE)



SIDE VIEW

FRONT VIEW

TRIBAND ANTENNA

NO SCALE

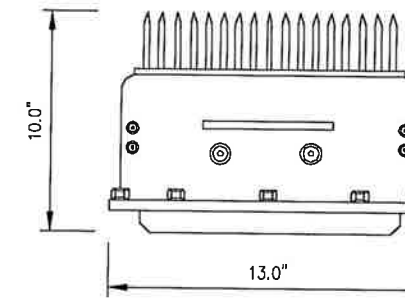
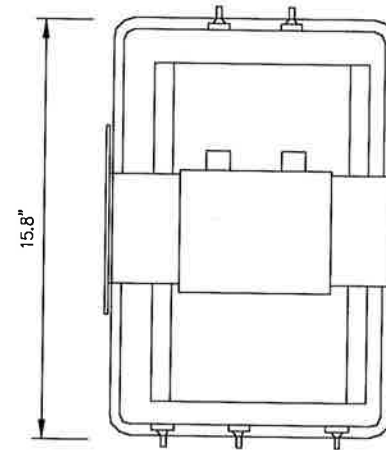
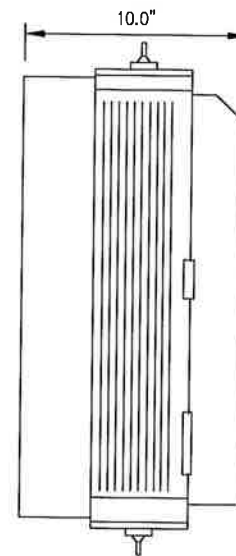
3

RRH: ALCATEL LUCENT RRH 800 MHz 2x50W

COLOR: LIGHT GREY
WEIGHT: 53 LBS.

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.



SIDE VIEW

FRONT VIEW

PLAN VIEW

800 MHz RRH

NO SCALE

4

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SITE NAME:

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SITE NUMBER:

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SITE ADDRESS:

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HIGGANUM, CT 06441

SHEET DESCRIPTION:

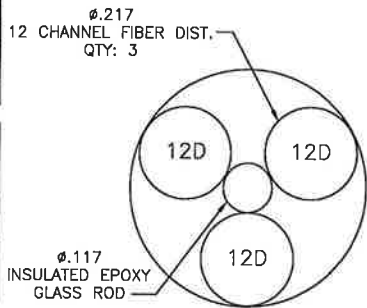
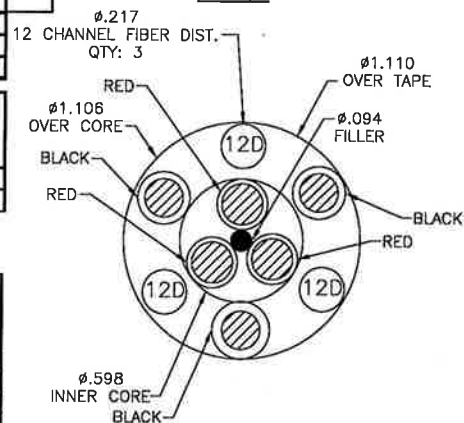
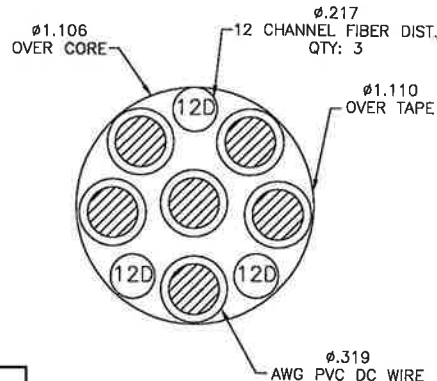
EQUIPMENT &
MOUNTING DETAILS

SHEET NUMBER:

A-4

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

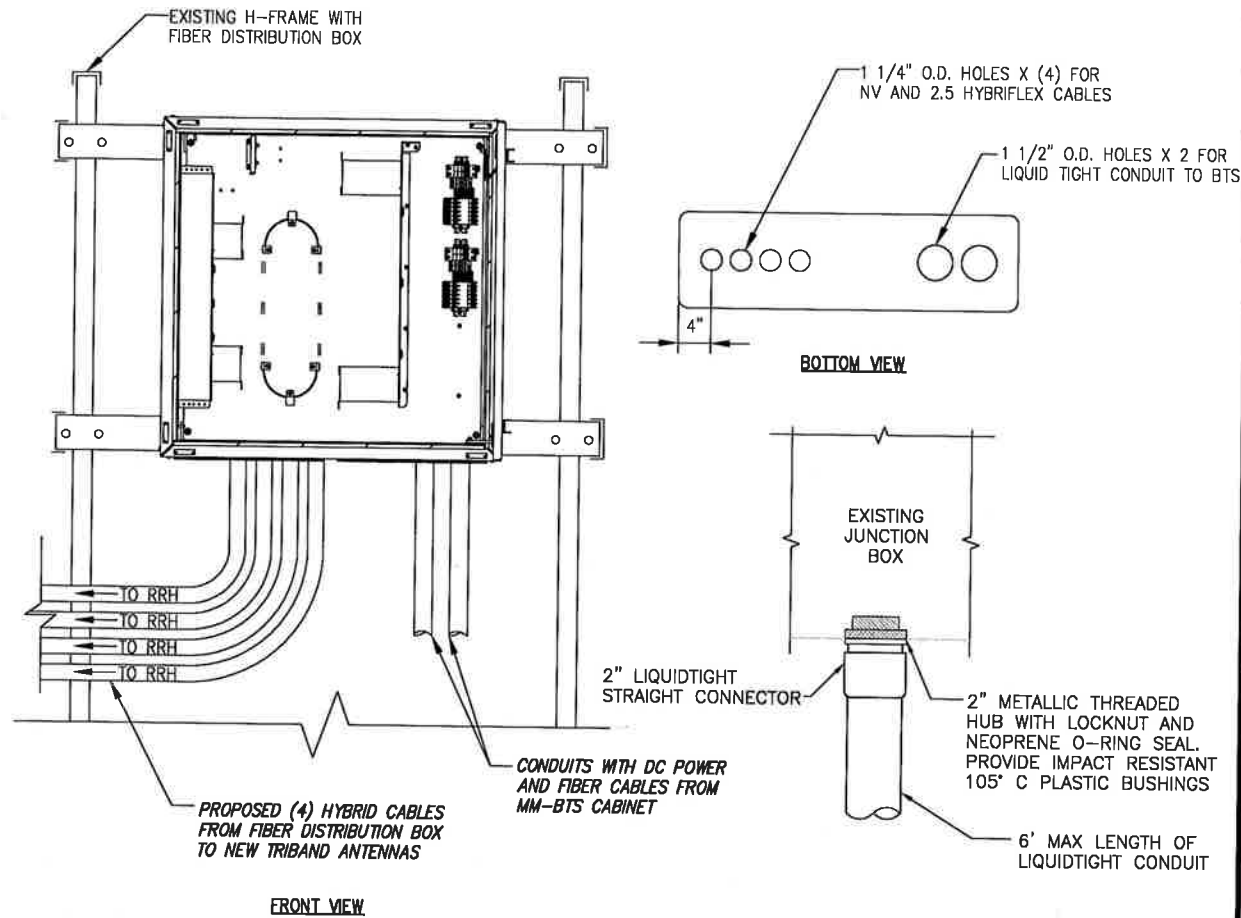
* PROPOSED CABLE LENGTH WAS DETERMINED USING THE SUM OF THE RAD CENTER OF ANTENNAS, AND DISTANCE FROM EXISTING EQUIPMENT AREA TO TOWER BASE WITH AN ADDITIONAL 20' BUFFER. LENGTH TO BE VERIFIED IN FIELD PRIOR TO ORDERING MATERIALS.

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.

2.5 CABLE CROSS SECTION DATA

NO SCALE

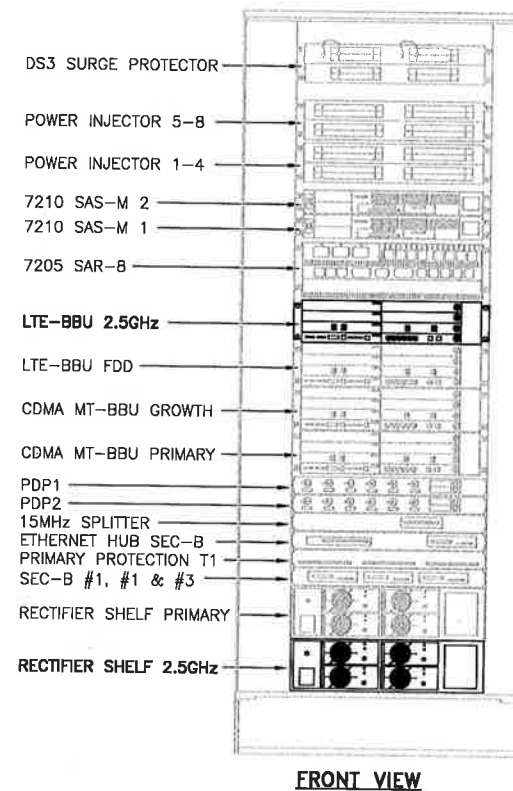
1



FIBER JUNCTION BOX & PENETRATION

NO SCALE

2



FRONT VIEW

NEW EQUIPMENT IN EXISTING CABINET

NO SCALE

3

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JOB NUMBER 526-104

PROJECT MANAGER:

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

ENGINEERING LICENSE:



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REVISIONS	DESCRIPTION	DATE	BY	REV
ISSUED FOR PERMIT		01/10/18	JDL	0

SITE NAME:
SNET - HIGGANUM

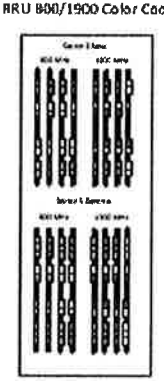
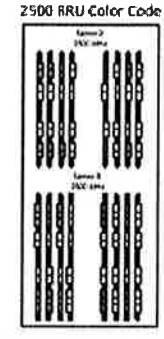
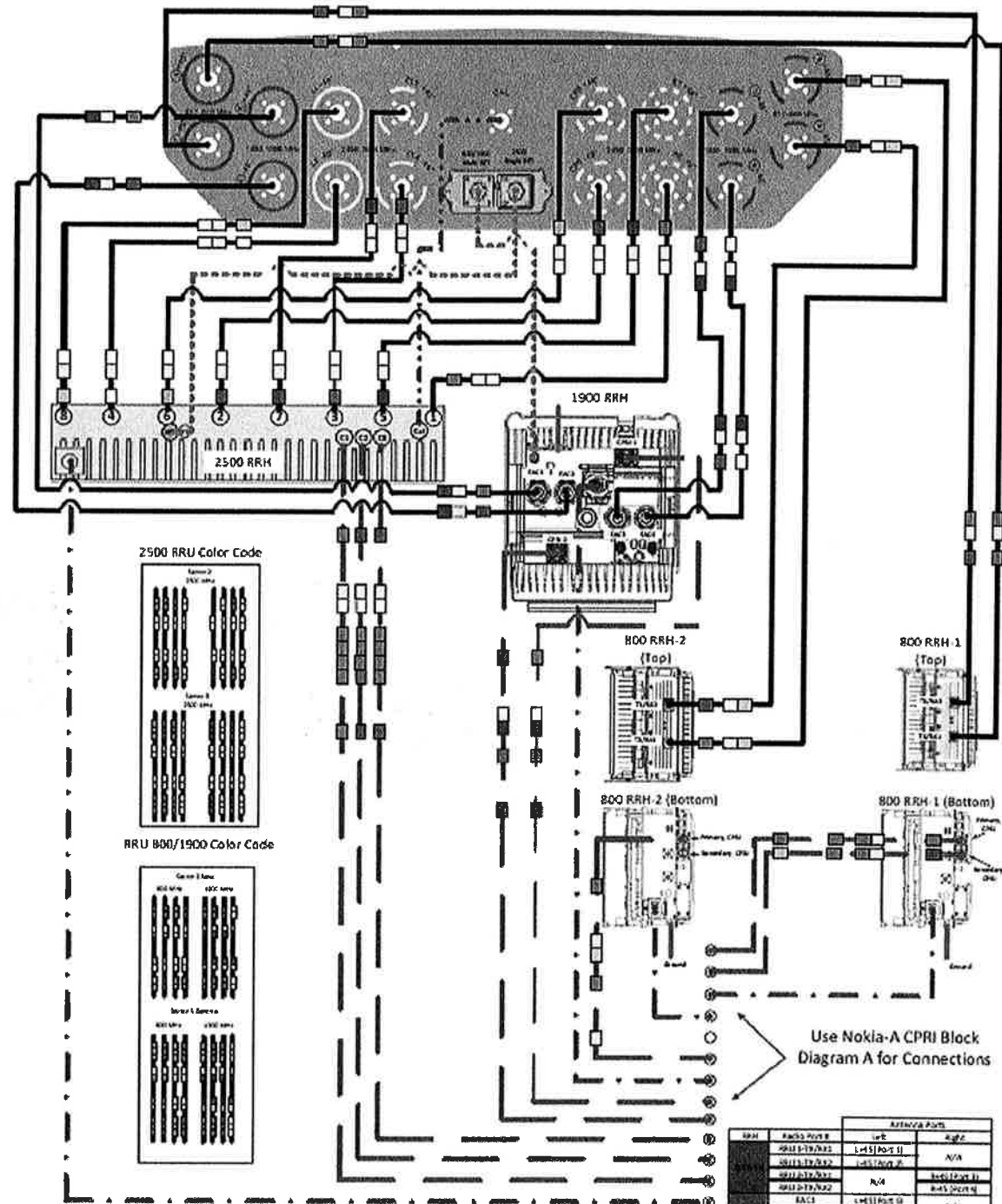
SITE NUMBER:
CT03XC161

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

SHEET DESCRIPTION:
CIVIL DETAILS

SHEET NUMBER:
A-5

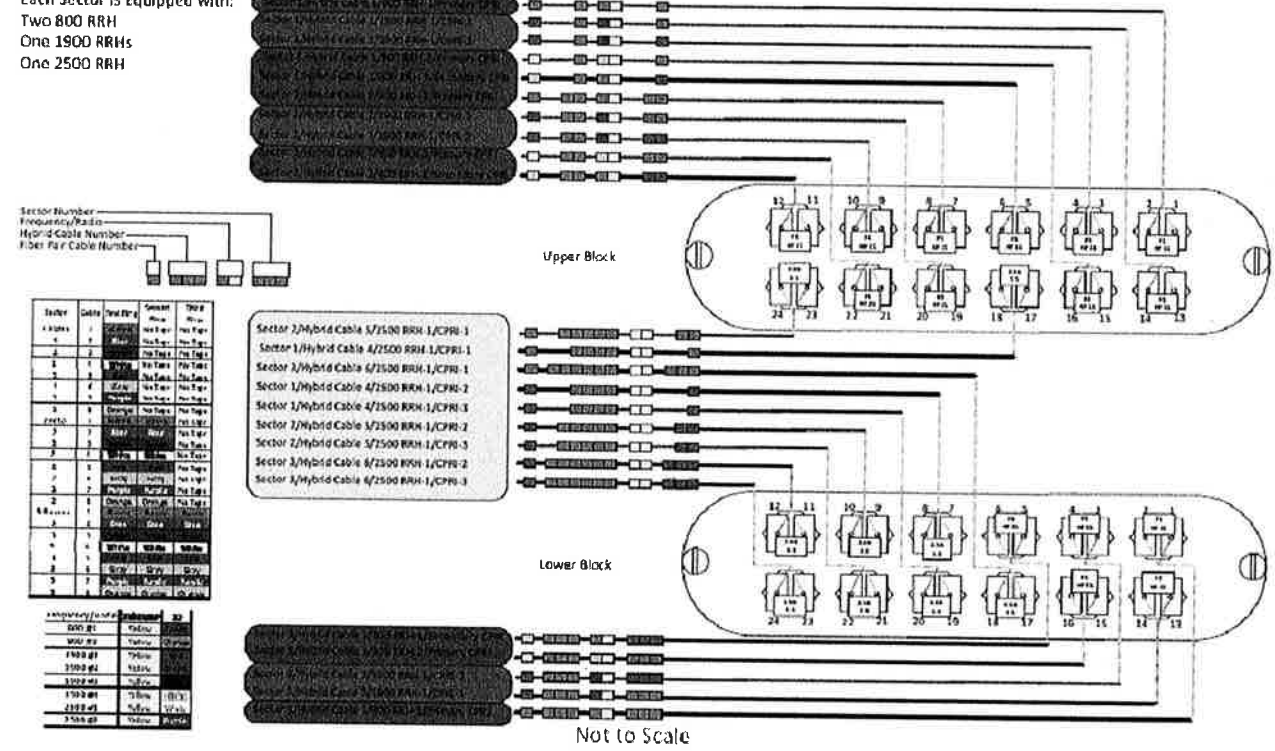
KMW 16 Port Nokia-A RRH 800, 1900, and 2500 (Sprint Scenario 4)



RRH	Radio Port #	Left	Right
1900	1	1-4 (Port 1)	N/A
	2	1-4 (Port 2)	1-4 (Port 1)
	3	N/A	4-5 (Port 2)
	4	1-4 (Port 2)	N/A
2500	1	N/A	4-5 (Port 1)
	2	1-4 (Port 1)	4-5 (Port 2)
	3	1-4 (Port 2)	N/A
	4	1-4 (Port 2)	N/A
	5	1-4 (Port 2)	N/A
	6	1-4 (Port 2)	N/A
	7	1-4 (Port 2)	N/A
	8	1-4 (Port 2)	N/A

Each Sector is Equipped with:
Two 800 RRH
One 1900 RRH
One 2500 RRH

CPRI Block Connections for Sprint Scenario 4



PLANS PREPARED FOR:

PLANS PREPARED BY:

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SARATOGA SPRINGS, NY 12866
OFFICE# (518) 308-3740

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REVISIONS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR PERMIT		01/10/18	JDL	0

SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

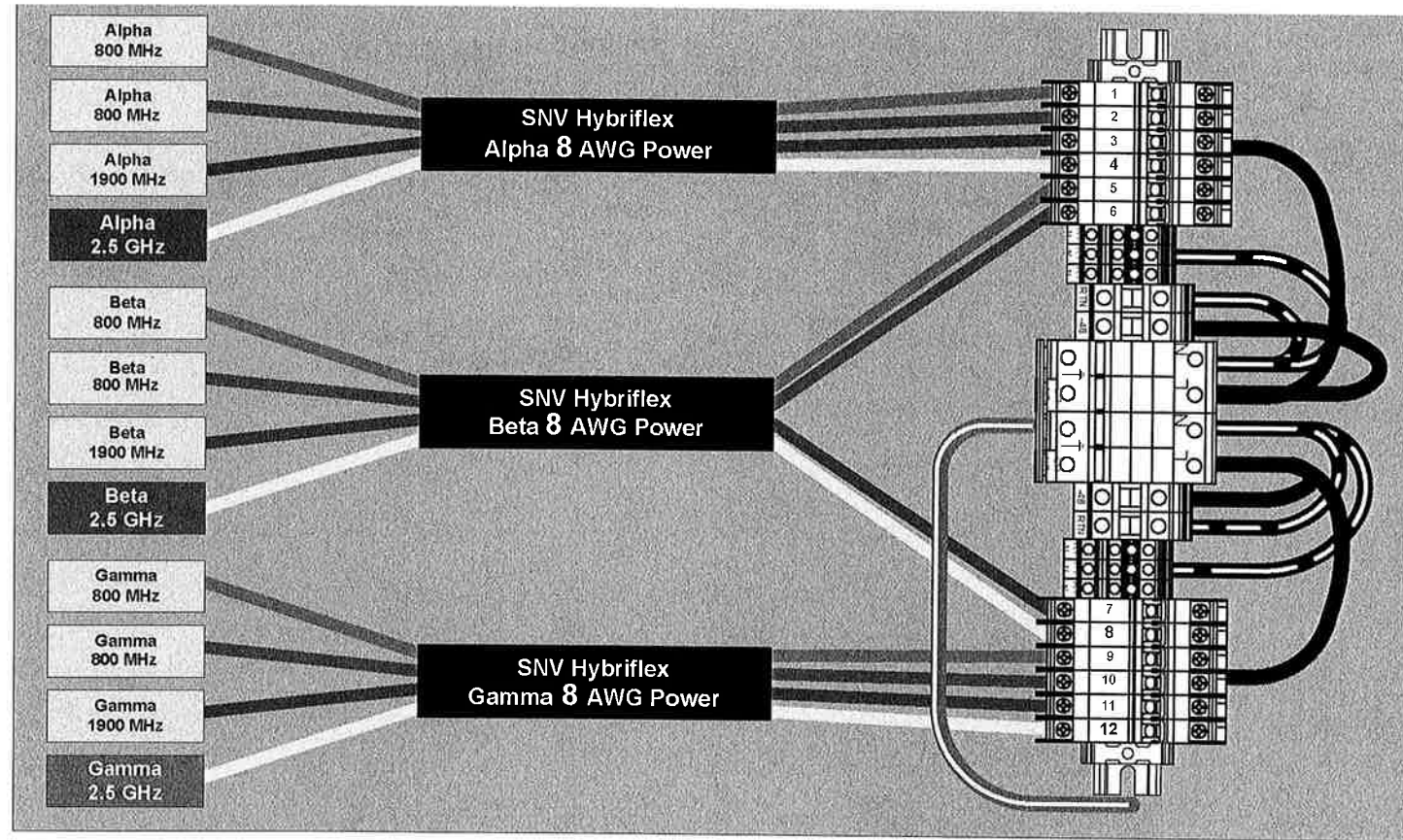
139 MORRIS HUBBARD RD.
HIGGANUM, CT 06441

SHEET DESCRIPTION:

PLUMBING DIAGRAM

SHEET NUMBER:

A-6



RRH TO DISTRIBUTION BOX POWER CONNECTIVITY

NO SCALE

1

LEGEND:

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

BOND INSTALL ANTENNA TO SECTOR GROUND BAR PER MANUFACTURER'S SPECIFICATIONS



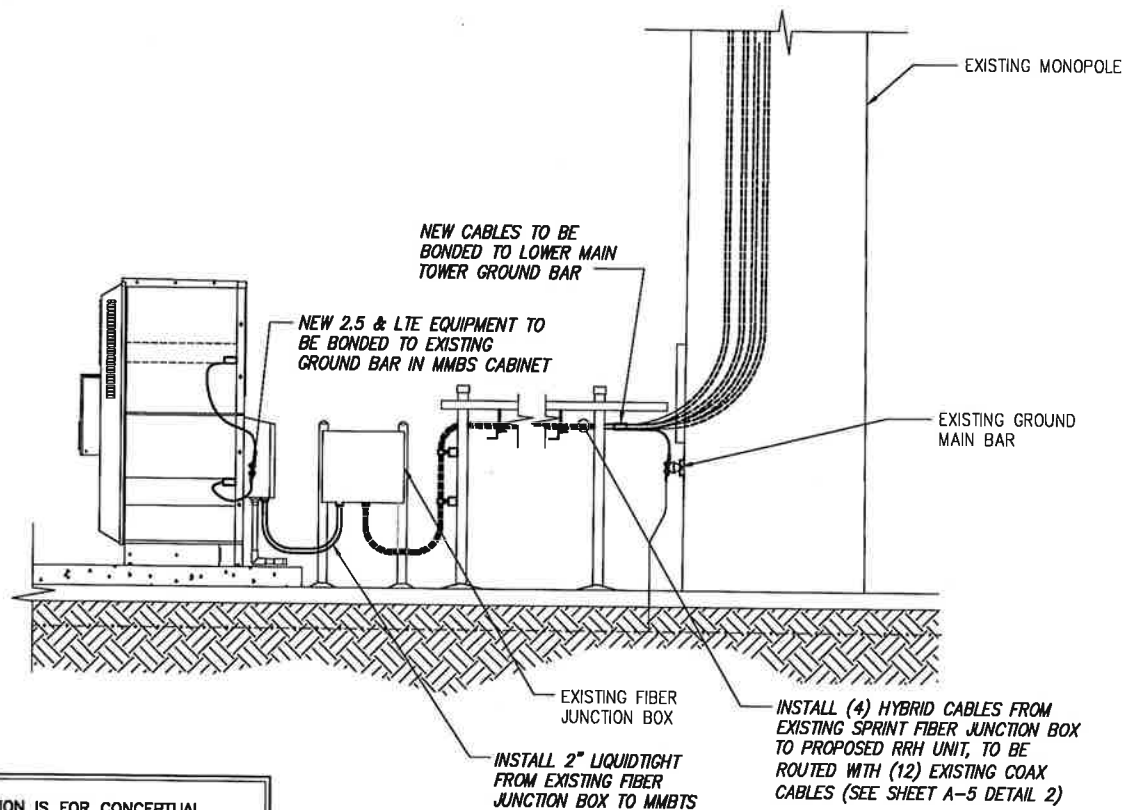
BOND RRU TO SECTOR BAR PER MANUFACTURER'S SPECIFICATIONS

EXISTING SPRINT TOWER GROUND BAR (CONTRACTOR TO VERIFY)

TYPICAL ANTENNA GROUNDING PLAN

NO SCALE

2



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:

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PROJECT MANAGER:

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DEVELOPMENT
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REVISIONS:

DESCRIPTION	DATE	BY	REV.
ISSUED FOR PERMIT	01/10/18	JDL	0

SITE NAME:

SNET - HIGGANUM

SITE NUMBER:

CT03XC161

SITE ADDRESS:

139 MORRIS HUBBARD RD.
HIGGANUM, CT 06441

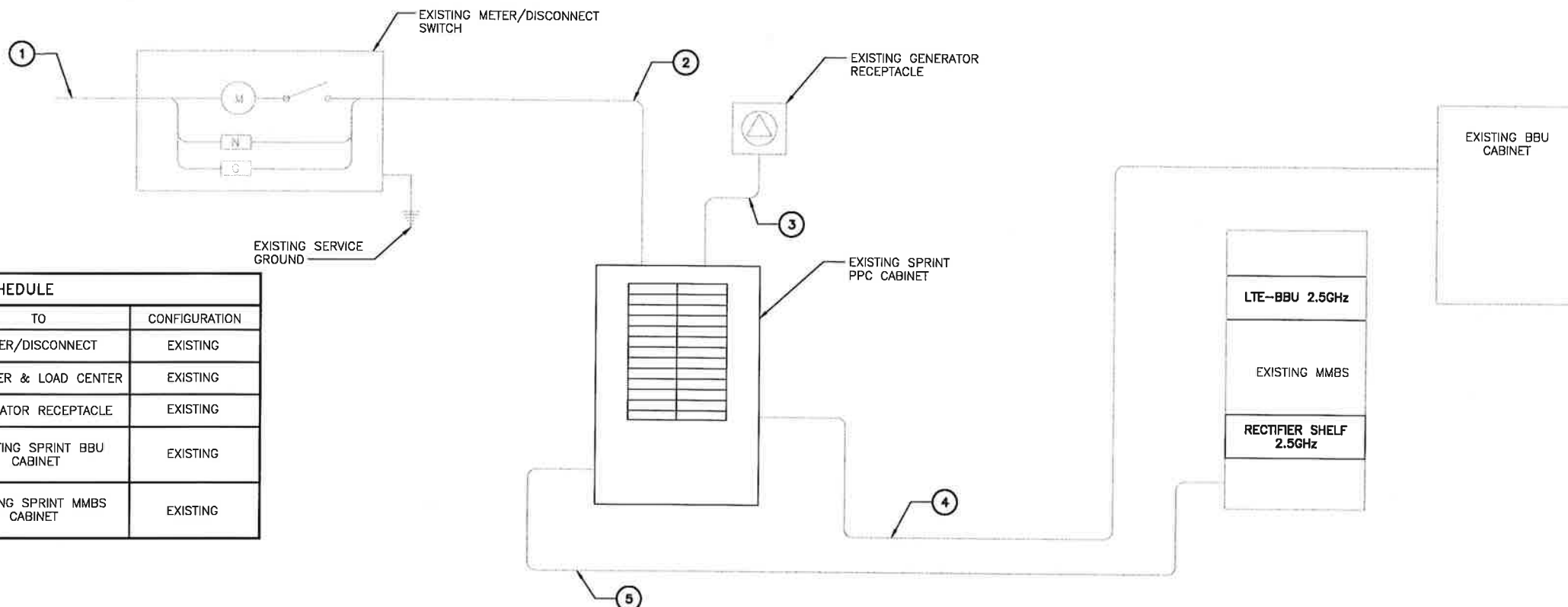
SHEET DESCRIPTION:

ELECTRICAL &
GROUNDING PLAN

SHEET NUMBER:

E-1

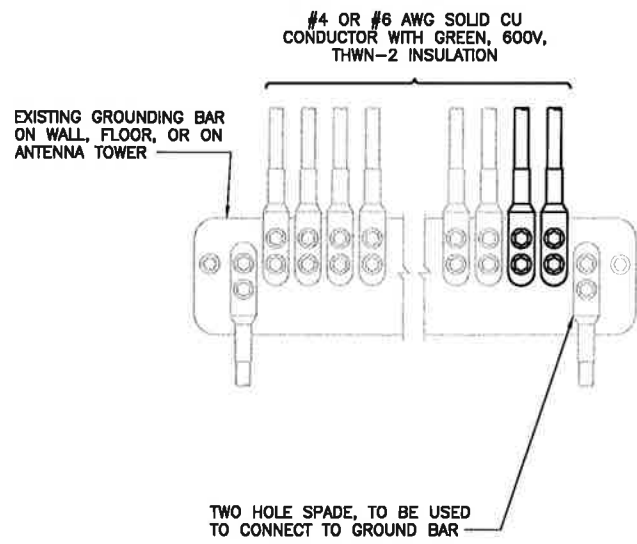
NOTES
 CG SHALL REFERENCE ALL SPECS FOR "CONNECTING THE POWER SUPPLY" OF THE NEW INSTALLATION DOCUMENTS, FOR ALL CONNECTION SPECIFICATIONS.



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

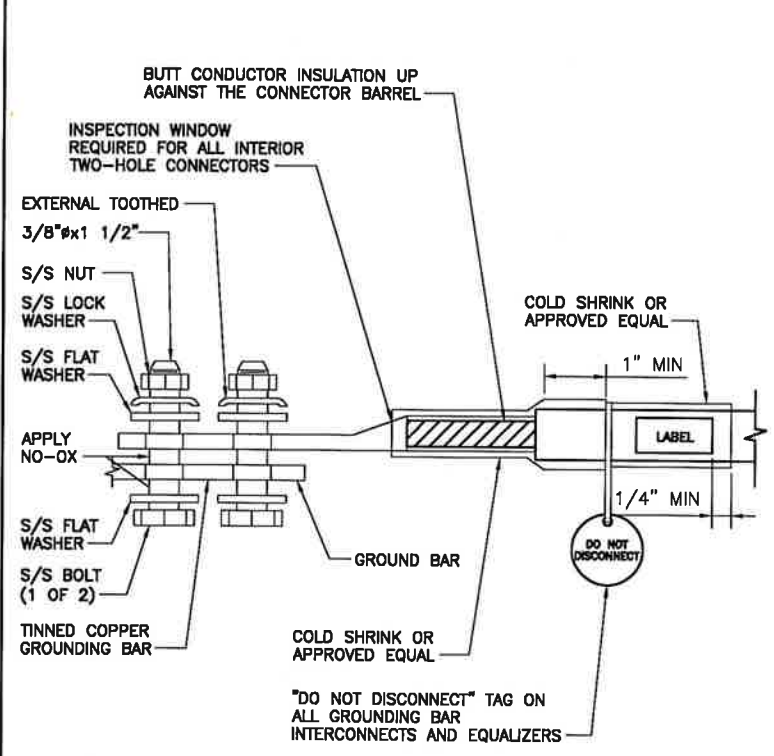
ELECTRICAL ONE-LINE DIAGRAM

NO SCALE 1

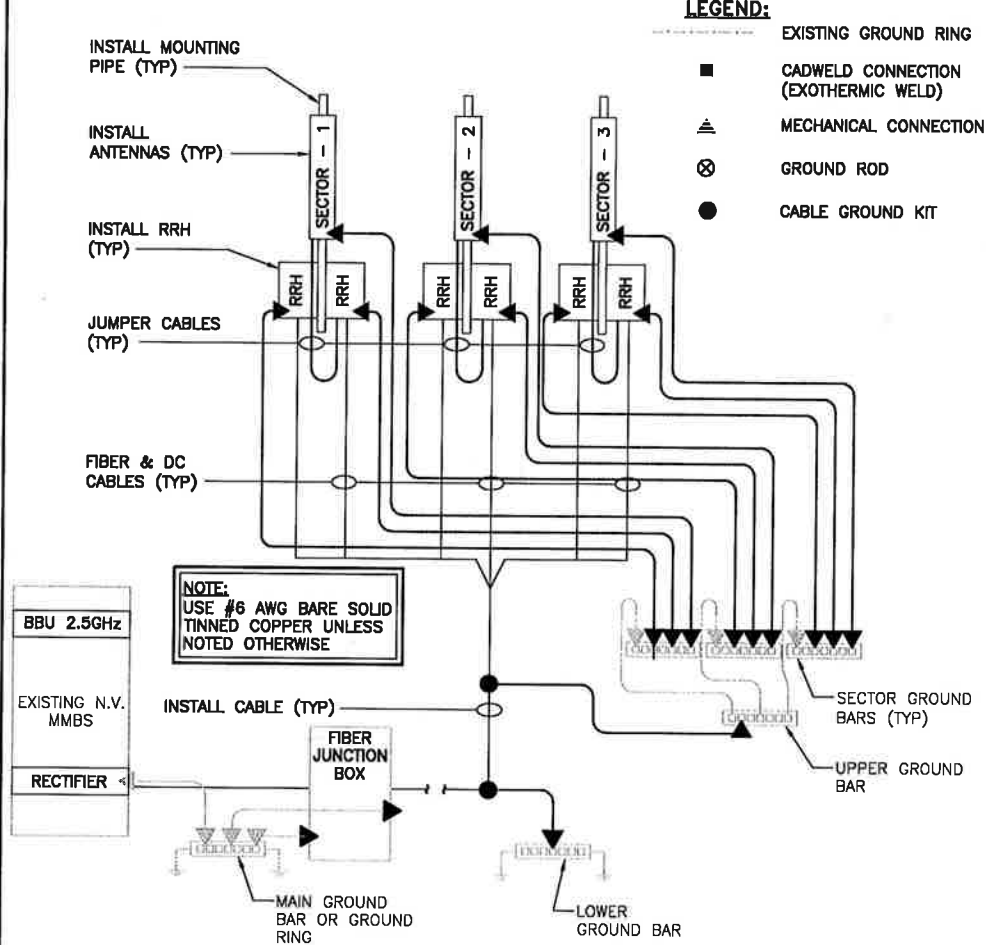


NOTES
 1. APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG.
 2. IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT SPRINT CM FOR REPLACEMENT THREADED ROD KIT.

INSTALLATION OF GROUNDING CONDUCTOR TO GROUNDING BAR NO SCALE 2



TWO HOLE LUG NO SCALE 3



GROUNDING RISER DIAGRAM NO SCALE 4

PLANS PREPARED FOR:
Sprint

PLANS PREPARED BY:
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 JOB NUMBER 526-104

PROJECT MANAGER:
AIROSMITH DEVELOPMENT
 32 CLINTON ST.
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 OFFICE: (518) 308-3740

ENGINEERING LICENSE:

JOHN S. STEVENS
 No. 24705
 LICENSED PROFESSIONAL ENGINEER

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REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR PERMIT	01/10/18	JDL	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



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CORPORATION

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**TOWER
ENGINEERING
PROFESSIONALS**

Structural Analysis Report

Structure : 150 ft Monopole
ATC Site Name : Hddm - Haddam, CT
ATC Site Number : 302494
Engineering Number : OAA712589_C3_02
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 : September 21, 2017
Max Usage : 83%
Result : Pass

Prepared By:
Jordan Russ
TEP

Reviewed By:



COA: PEC.0001553

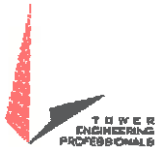


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Proposed Equipment 2

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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_{3sd}) / 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	LGP LGP21903	Platform w/ Handrails	(12) 1 5/8" Coax (2) 0.78" 8 AWG 6 (1) 3" Conduit (1) 0.39" Cable	AT&T Mobility
		1	Raycap DC6-48-60-18-8F ("Squid")			
		6	Powerwave LGP17201			
		3	Ericsson RRUS 11 (Band 12) (55 lb)			
		6	Powerwave Allgon 7770.00			
		2	KMW AM-X-CD-16-65-00T-RET			
	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	9	Decibel DB844H90E-XY	Low Profile Platform	(8) 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	3	Decibel DB844H90E-XY	-	(4) 1 1/4" Coax	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	(4) 1 1/4" Hybriflex	Sprint Nextel
		3	Alcatel-Lucent 1900MHz 4x45 RRH			
		3	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield			
		3	KMW ETCR-654L12H6			

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

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



Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	67%	Pass
Shaft	74%	Pass
Base Plate	27%	Pass
Extra Bolts	83%	Pass
Flanges	71%	Pass
Reinforcement	72%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	2,160.9	86%
Axial (Kips)	38.7	42%
Shear (Kips)	21.1	10%

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	1.620	1.533
	Alcatel-Lucent 1900 MHz 4x45 RRH			
	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield			
	KMW ETCR-654L12H6			

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



Standard Conditions

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

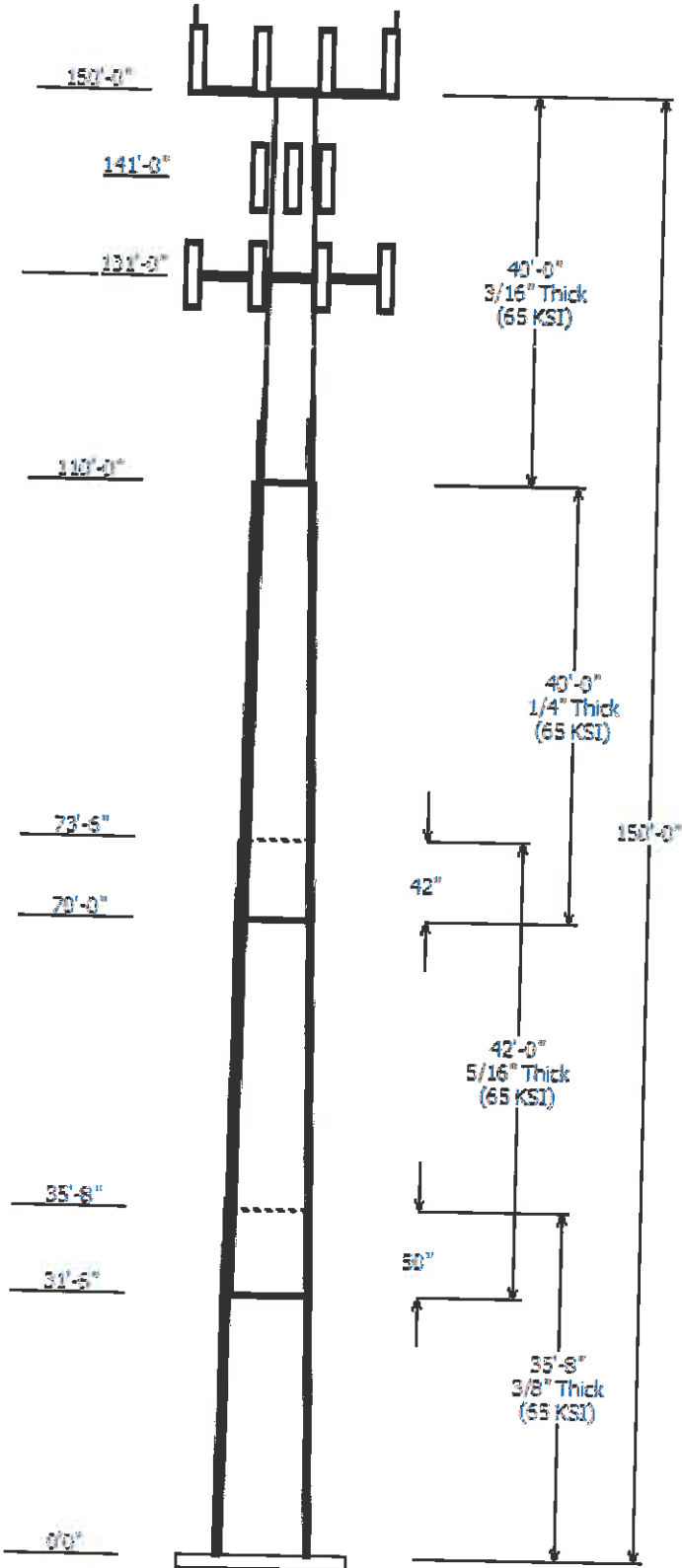
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements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

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and that their capacity has not significantly changed from the "as new" condition.

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

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

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Job Information	
Pole :	302494
Code:	ANSI/TIA-222-G
Description :	150 ft ITT Meyer Type "B" Monopole
Client :	SPRINT NEXTEL
Struct Class :	II
Location :	Hddm - Haddam, CT
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)	Taper (in/ft)	Steel Grade (ksi)
		Across Top	Flats Bottom				
1	35.667	31.79	37.38	0.375	0.000	0.156700	65
2	42.000	26.48	33.06	0.313 Slip Joint	50.000	0.156700	65
3	40.000	21.26	27.53	0.250 Slip Joint	42.000	0.156700	65
4	40.000	15.00	21.26	0.188 Butt Joint	0.000	0.156700	65

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
150.000	160.000	2	Decibel DB910CE-M
150.000	154.000	1	Powerwave P65-17-XLH-RR (50
150.000	154.000	2	KMW AM-X-CD-16-65-00T-RET
150.000	154.000	1	Raycap DC6-48-60-18-8F
150.000	154.000	3	Ericsson RRUS 11 (Band 12) (55
150.000	154.000	6	Powerwave Allgon 7770.00
150.000	154.000	6	LGP Allgon LGP21903
150.000	154.000	6	Powerwave LGP17201
150.000	150.000	1	Round Platform w/ Handrails
141.000	141.000	3	RFS APXV18-206517LS-C
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	KMW ETCR-654L12H6
131.000	131.000	1	Round Low Profile Platform
131.000	131.000	9	Decibel DB844H90E-XY

Linear Appurtenance			
Elev (ft) From	To	Description	Exposed To Wind
8.000	131.0	1 1/4" Coax	Yes
8.000	131.0	1 1/4" Hybrflex	Yes
8.000	141.0	1 5/8" Coax	Yes
8.000	150.0	0.39" Cable	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

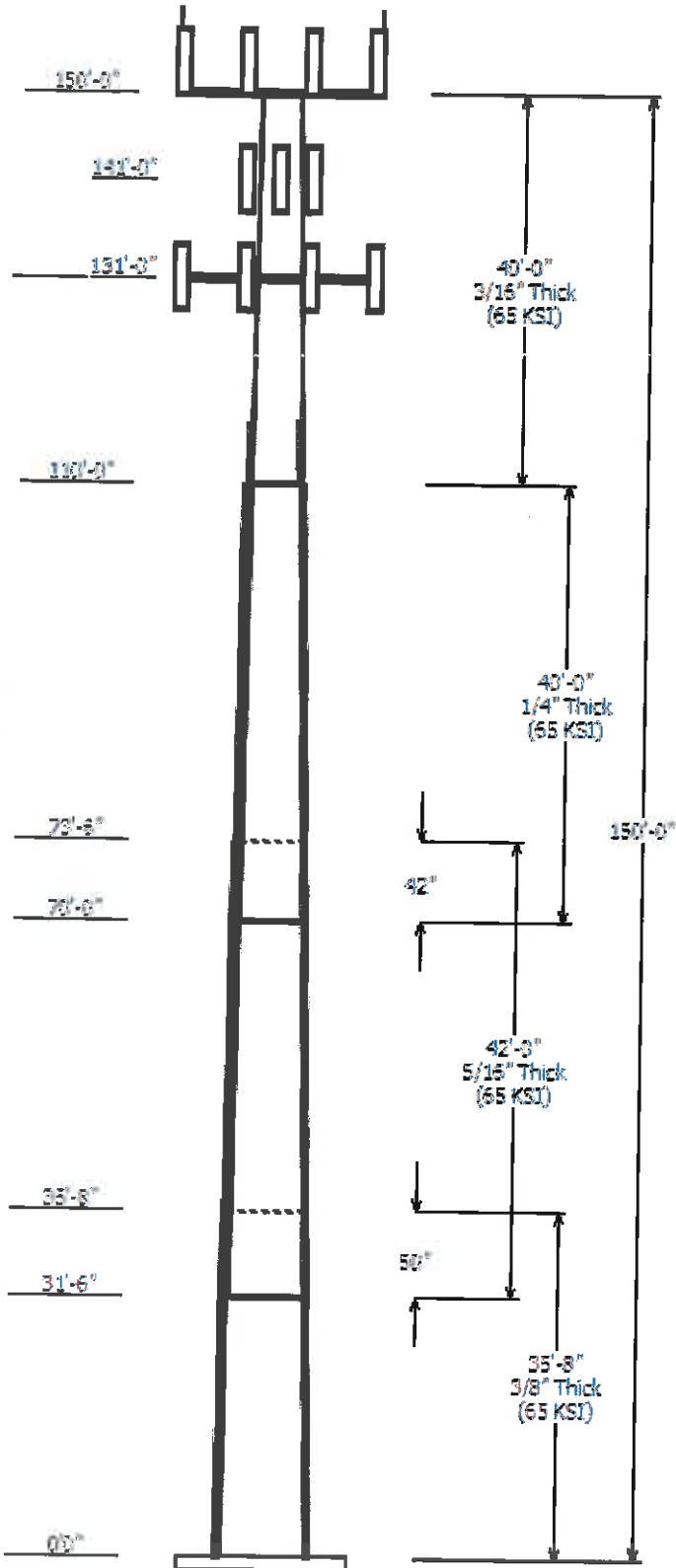
Serviceability 60 mph

Reactions

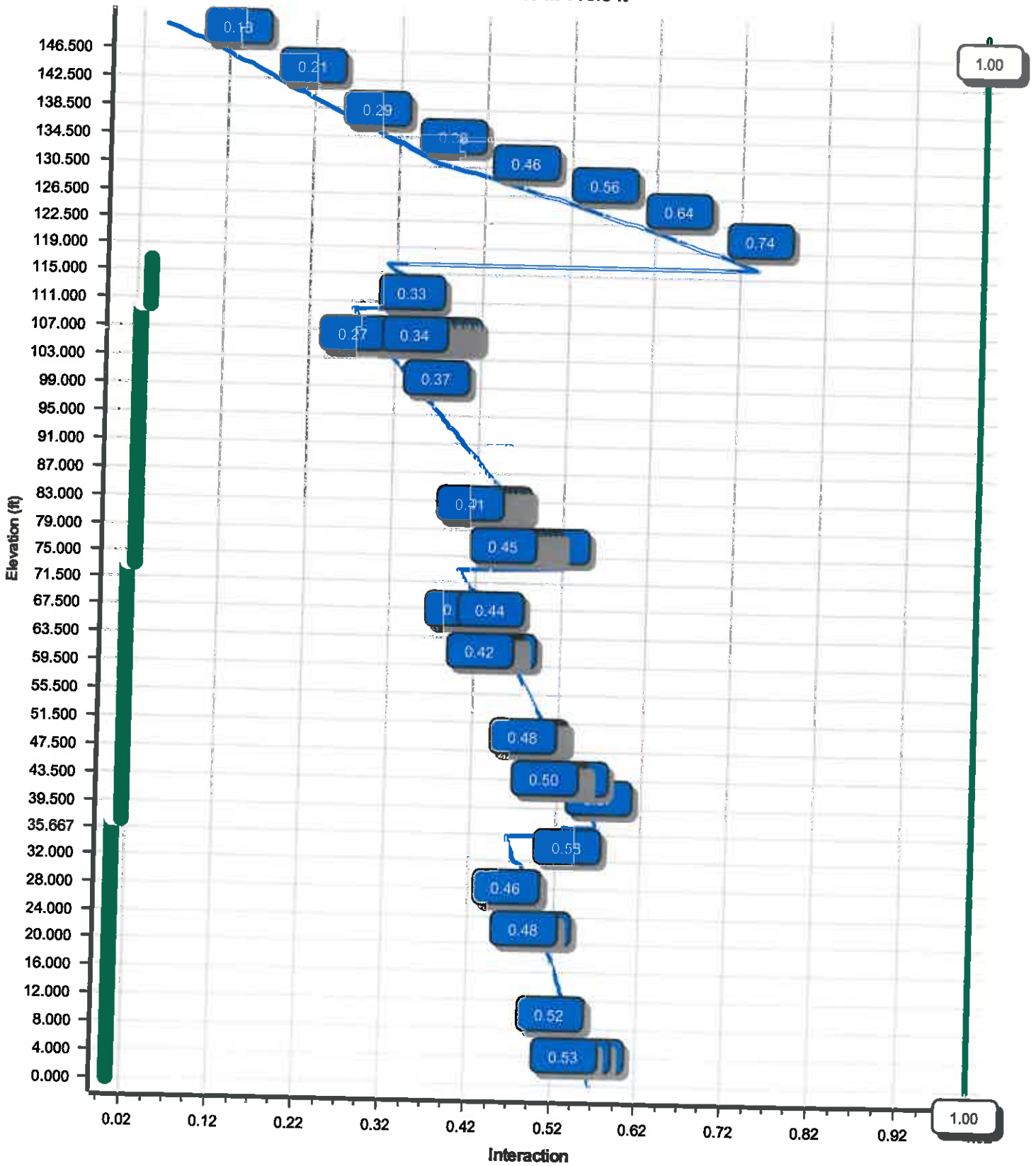
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.6W	2160.88	21.05	38.66
0.9D + 1.6W	2029.51	20.09	28.99
1.2D + 1.0Di + 1.0Wi	472.69	4.24	61.36
(1.2 + 0.2Sds) * DL + E ELFM	157.64	1.25	39.72
(1.2 + 0.2Sds) * DL + E EMAM	218.89	1.86	39.72
(0.9 - 0.2Sds) * DL + E ELFM	154.47	1.25	27.68
(0.9 - 0.2Sds) * DL + E EMAM	214.14	1.86	27.68
1.0D + 1.0W	450.49	4.43	32.22

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 73.80% at 116.5 ft



Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:19 AM

Customer: SPRINT NEXTEL

Analysis Parameters

Location:	MIDDLESEX County, CT	Height (ft):	150
Code:	ANSI/TIA-222-G	Base Diameter (in):	37.38
Shape:	12 Sides	Top Diameter (in):	15.00
Pole Type:	Taper	Taper (in/ft) :	0.157
Pole Manufacturer:	ITT Meyer	Rotation (deg) :	0.00

Ice & Wind Parameters

Structure Class:	II	Design Wind Speed Without Ice:	101 mph
Exposure Category:	B	Design Wind Speed With Ice:	50 mph
Topographic Category:	1	Operational Wind Speed:	60 mph
Crest Height:	0.0 ft	Design Ice Thickness:	0.75 in

Seismic Parameters

Analysis Method:	Equivalent Modal Analysis & Equivalent Lateral Force Methods		
Site Class:	D - Stiff Soil		
Period Based on Rayleigh Method (sec):	2.70		
T _L (sec):	6	p:	1.3
S _s :	0.176	S ₁ :	0.061
F _a :	1.600	F _v :	2.400
S _{ds} :	0.188	S _{d1} :	0.098
		C _s :	0.030
		C _s Max:	0.030
		C _s Min:	0.030

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 + 0.2S _{ds}) * DL + E ELFM	Seismic Equivalent Lateral Forces Method
(1.2 + 0.2S _{ds}) * DL + E EMAM	Seismic Equivalent Modal Analysis Method
(0.9 - 0.2S _{ds}) * DL + E ELFM	Seismic (Reduced DL) Equivalent Lateral Forces Method
(0.9 - 0.2S _{ds}) * DL + E EMAM	Seismic (Reduced DL) Equivalent Modal Analysis Method
1.0D + 1.0W	Serviceability 60 mph

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:19 AM

Customer: SPRINT NEXTEL

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Bottom					Top					Taper (in/ft)		
							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	Weight (lb)	No Ice EPAa (sf)	Orientation Factor	Weight (lb)	Ice EPAa (sf)	Orientation Factor	Distance From Face (ft)	Vert Ecc (ft)
150.00	Decibel DB910CE-M	2	8.00	1.280	1.00	76.67	2.979	1.00	0.000	10.000
150.00	Ericsson RRUS 11 (Band 12)	3	55.00	2.520	0.67	135.39	3.165	0.67	0.000	4.000
150.00	KMW AM-X-CD-16-65-00T-	2	48.50	8.020	0.67	237.29	9.314	0.67	0.000	4.000
150.00	LGP Allgon LGP21903	6	5.50	0.270	0.50	19.05	0.472	0.50	0.000	4.000
150.00	Powerwave Allgon 7770.00	6	35.00	5.510	0.65	170.06	6.560	0.65	0.000	4.000
150.00	Powerwave LGP17201	6	31.00	1.670	0.50	79.54	2.210	0.50	0.000	4.000
150.00	Powerwave P65-17-XLH-RR	1	50.00	11.470	0.67	299.95	13.122	0.67	0.000	4.000
150.00	Raycap DC6-48-60-18-8F	1	31.80	1.280	1.00	124.73	2.853	1.00	0.000	4.000
150.00	Round Platform w/ Handrails	1	2000.00	27.100	1.00	3,298.22	51.500	1.00	0.000	0.000
141.00	RFS APXV18-206517LS-C	3	22.00	5.020	0.68	136.47	6.248	0.68	0.000	0.000
131.00	Alcatel-Lucent 1900 MHz	3	60.00	2.320	0.67	153.58	2.983	0.67	0.000	0.000
131.00	Alcatel-Lucent RRH2x50-08	6	52.90	1.700	0.50	123.22	2.241	0.50	0.000	0.000
131.00	Alcatel-Lucent TD-RRH8x20-	3	70.00	4.050	0.67	163.41	5.364	0.67	0.000	0.000
131.00	Decibel DB844H90E-XY	9	14.00	3.610	0.74	122.79	4.494	0.74	0.000	0.000
131.00	KMW ETCR-654L12H6	3	84.90	15.710	0.61	402.89	17.379	0.61	0.000	0.000
131.00	Round Low Profile Platform	1	1500.00	21.700	0.80	2,140.36	40.676	0.80	0.000	0.000
Totals			56	5442.90				12,922.69	Number of Loadings : 16	

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Diameter (in)	Coax Weight (lb/ft)	Projected Flat	Width (in)	Exposed To Wind	Carrier
8.00	150.00	1	0.39" Cable	0.39	0.07	N	0.00	N	AT&T Mobillity
8.00	150.00	2	0.78" 8 AWG 6	0.78	0.59	N	0.00	N	AT&T Mobillity
8.00	150.00	12	1 5/8" Coax	1.98	0.82	N	0.00	N	AT&T Mobillity
8.00	150.00	2	1 5/8" Coax	1.98	0.82	N	0.00	N	Sprint Nextel
8.00	150.00	1	3" Conduit	3.50	7.58	N	0.00	N	AT&T Mobillity
8.00	141.00	6	1 5/8" Coax	1.98	0.82	N	1.98	Y	Metro PCS
8.00	131.00	8	1 1/4" Coax	1.55	0.83	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	N	0.00	Y	--

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	Intermediate Connections		Connectors	Continuation?
			Description			Spacing (in)	Len (in)		
0.00	36.67	3	PL PL 7 x 1.25	65	0.00	5/8" Hollo Bolt	18.0	0.00	No
36.67	73.33	3	PL PL 6 x 1.25	65	0.00	5/8" Hollo Bolt	18.0	0.00	Yes
73.33	110.0	3	PL PL 5" x 1.25"	65	0.00	5/8" Hollo Bolt	18.0	0.00	Yes
110.0	116.5	3	PL PL 4 x 1.25	65	0.00	5/8" Hollo Bolt	18.0	3.00	Yes

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:19 AM

Customer: SPRINT NEXTEL

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

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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

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

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

Code: ANSI/TIA-222-G
 Engineering Number: OAA712589_C3_02

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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	74.1	47.5	162.2	0.0	0.0
9.00		47.4	87.8					0.0	74.1	47.4	162.0	0.0	0.0
9.50		47.3	87.7					0.0	74.1	47.3	161.8	0.0	0.0
10.00		47.2	87.5					0.0	74.1	47.2	161.6	0.0	0.0
10.50		47.1	87.3					0.0	74.1	47.1	161.4	0.0	0.0
11.00		47.0	87.1					0.0	74.1	47.0	161.2	0.0	0.0
11.50		46.9	86.9					0.0	74.1	46.9	161.0	0.0	0.0
12.00		46.8	86.7					0.0	74.1	46.8	160.8	0.0	0.0
12.50		46.7	86.5					0.0	74.1	46.7	160.6	0.0	0.0
13.00		46.6	86.3					0.0	74.1	46.6	160.4	0.0	0.0
13.50		46.5	86.1					0.0	74.1	46.5	160.2	0.0	0.0
14.00		46.4	85.9					0.0	74.1	46.4	160.0	0.0	0.0
14.50		46.3	85.7					0.0	74.1	46.3	159.8	0.0	0.0
15.00		46.2	85.5					0.0	74.1	46.2	159.6	0.0	0.0
15.50		46.1	85.3					0.0	74.1	46.1	159.4	0.0	0.0
16.00		46.0	85.1					0.0	74.1	46.0	159.3	0.0	0.0
16.50		45.9	85.0					0.0	74.1	45.9	159.1	0.0	0.0
17.00		45.8	84.8					0.0	74.1	45.8	158.9	0.0	0.0
17.50		45.7	84.6					0.0	74.1	45.7	158.7	0.0	0.0
18.00		45.6	84.4					0.0	74.1	45.6	158.5	0.0	0.0
18.50		45.5	84.2					0.0	74.1	45.5	158.3	0.0	0.0
19.00		45.4	84.0					0.0	74.1	45.4	158.1	0.0	0.0
19.50		45.3	83.8					0.0	74.1	45.3	157.9	0.0	0.0
20.00		45.2	83.6					0.0	74.1	45.2	157.7	0.0	0.0
20.50		45.0	83.4					0.0	74.1	45.0	157.5	0.0	0.0
21.00		44.9	83.2					0.0	74.1	44.9	157.3	0.0	0.0
21.50		44.9	83.0					0.0	74.1	44.9	157.1	0.0	0.0
22.00		44.8	82.8					0.0	74.1	44.8	156.9	0.0	0.0
22.50		44.7	82.6					0.0	74.1	44.7	156.7	0.0	0.0
23.00		44.7	82.4					0.0	74.1	44.7	156.6	0.0	0.0
23.50		44.6	82.2					0.0	74.1	44.6	156.4	0.0	0.0

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	74.1	44.5	156.2	0.0	0.0	
24.50	44.4	81.9	0.0	74.1	44.4	156.0	0.0	0.0	
25.00	44.4	81.7	0.0	74.1	44.4	155.8	0.0	0.0	
25.50	44.3	81.5	0.0	74.1	44.3	155.6	0.0	0.0	
26.00	44.2	81.3	0.0	74.1	44.2	155.4	0.0	0.0	
26.50	44.2	81.1	0.0	74.1	44.2	155.2	0.0	0.0	
27.00	44.1	80.9	0.0	74.1	44.1	155.0	0.0	0.0	
27.50	44.0	80.7	0.0	74.1	44.0	154.8	0.0	0.0	
28.00	43.9	80.5	0.0	74.1	43.9	154.6	0.0	0.0	
28.50	43.9	80.3	0.0	74.1	43.9	154.4	0.0	0.0	
29.00	43.8	80.1	0.0	74.1	43.8	154.2	0.0	0.0	
29.50	43.7	79.9	0.0	74.1	43.7	154.0	0.0	0.0	
30.00	43.7	79.7	0.0	74.1	43.7	153.8	0.0	0.0	
30.50	43.8	79.5	0.0	74.1	43.8	153.7	0.0	0.0	
31.00	43.9	79.3	0.0	74.1	43.9	153.5	0.0	0.0	
31.50	Bot - Section 2	44.5	79.1	0.0	74.1	44.5	153.2	0.0	0.0
32.00		45.1	146.2	0.0	74.1	45.1	220.3	0.0	0.0
32.50		45.2	145.8	0.0	74.1	45.2	219.9	0.0	0.0
33.00		45.3	145.5	0.0	74.1	45.3	219.6	0.0	0.0
33.50		45.4	145.1	0.0	74.1	45.4	219.2	0.0	0.0
34.00		45.5	144.8	0.0	74.1	45.5	218.9	0.0	0.0
34.50		45.7	144.4	0.0	74.1	45.7	218.5	0.0	0.0
35.00		45.8	144.1	0.0	74.1	45.8	218.2	0.0	0.0
35.50		30.6	143.7	0.0	74.1	30.6	217.8	0.0	0.0
35.67	Top - Section 1	22.9	47.8	0.0	24.7	22.9	72.5	0.0	0.0
36.00		38.1	43.9	0.0	49.4	38.1	93.4	0.0	0.0
36.50		30.7	65.8	0.0	74.1	30.7	139.9	0.0	0.0
36.67	Reinf. Top Reinf	22.9	22.3	0.0	25.2	22.9	47.5	0.0	0.0
37.00		38.1	43.3	0.0	43.9	38.1	87.1	0.0	0.0
37.50		46.0	65.4	0.0	66.5	46.0	131.9	0.0	0.0
38.00		46.1	65.3	0.0	66.5	46.1	131.7	0.0	0.0
38.50		46.2	65.1	0.0	66.5	46.2	131.6	0.0	0.0
39.00		46.3	65.0	0.0	66.5	46.3	131.4	0.0	0.0
39.50		46.4	64.8	0.0	66.5	46.4	131.3	0.0	0.0
40.00		46.5	64.6	0.0	66.5	46.5	131.1	0.0	0.0
40.50		46.6	64.5	0.0	66.5	46.6	130.9	0.0	0.0
41.00		46.7	64.3	0.0	66.5	46.7	130.8	0.0	0.0
41.50		46.7	64.2	0.0	66.5	46.7	130.6	0.0	0.0
42.00		46.8	64.0	0.0	66.5	46.8	130.5	0.0	0.0
42.50		46.9	63.8	0.0	66.5	46.9	130.3	0.0	0.0
43.00		47.0	63.7	0.0	66.5	47.0	130.1	0.0	0.0
43.50		47.0	63.5	0.0	66.5	47.0	130.0	0.0	0.0
44.00		47.1	63.4	0.0	66.5	47.1	129.8	0.0	0.0
44.50		47.2	63.2	0.0	66.5	47.2	129.7	0.0	0.0
45.00		47.3	63.0	0.0	66.5	47.3	129.5	0.0	0.0
45.50		47.3	62.9	0.0	66.5	47.3	129.3	0.0	0.0
46.00		47.4	62.7	0.0	66.5	47.4	129.2	0.0	0.0
46.50		47.5	62.5	0.0	66.5	47.5	129.0	0.0	0.0
47.00		47.5	62.4	0.0	66.5	47.5	128.8	0.0	0.0
47.50		47.6	62.2	0.0	66.5	47.6	128.7	0.0	0.0
48.00		47.6	62.1	0.0	66.5	47.6	128.5	0.0	0.0
48.50		47.7	61.9	0.0	66.5	47.7	128.4	0.0	0.0
49.00		47.8	61.7	0.0	66.5	47.8	128.2	0.0	0.0
49.50		47.8	61.6	0.0	66.5	47.8	128.0	0.0	0.0
50.00		47.9	61.4	0.0	66.5	47.9	127.9	0.0	0.0
50.50		47.9	61.3	0.0	66.5	47.9	127.7	0.0	0.0
51.00		48.0	61.1	0.0	66.5	48.0	127.6	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:32 AM

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	66.5	48.0	127.4	0.0	0.0	
52.00	48.1	60.8	0.0	66.5	48.1	127.2	0.0	0.0	
52.50	48.1	60.6	0.0	66.5	48.1	127.1	0.0	0.0	
53.00	48.2	60.5	0.0	66.5	48.2	126.9	0.0	0.0	
53.50	48.2	60.3	0.0	66.5	48.2	126.8	0.0	0.0	
54.00	48.2	60.1	0.0	66.5	48.2	126.6	0.0	0.0	
54.50	48.3	60.0	0.0	66.5	48.3	126.4	0.0	0.0	
55.00	48.3	59.8	0.0	66.5	48.3	126.3	0.0	0.0	
55.50	48.4	59.6	0.0	66.5	48.4	126.1	0.0	0.0	
56.00	48.4	59.5	0.0	66.5	48.4	125.9	0.0	0.0	
56.50	48.4	59.3	0.0	66.5	48.4	125.8	0.0	0.0	
57.00	48.5	59.2	0.0	66.5	48.5	125.6	0.0	0.0	
57.50	48.5	59.0	0.0	66.5	48.5	125.5	0.0	0.0	
58.00	48.5	58.8	0.0	66.5	48.5	125.3	0.0	0.0	
58.50	48.6	58.7	0.0	66.5	48.6	125.1	0.0	0.0	
59.00	48.6	58.5	0.0	66.5	48.6	125.0	0.0	0.0	
59.50	48.6	58.4	0.0	66.5	48.6	124.8	0.0	0.0	
60.00	48.7	58.2	0.0	66.5	48.7	124.7	0.0	0.0	
60.50	48.7	58.0	0.0	66.5	48.7	124.5	0.0	0.0	
61.00	48.7	57.9	0.0	66.5	48.7	124.3	0.0	0.0	
61.50	48.7	57.7	0.0	66.5	48.7	124.2	0.0	0.0	
62.00	48.8	57.6	0.0	66.5	48.8	124.0	0.0	0.0	
62.50	48.8	57.4	0.0	66.5	48.8	123.9	0.0	0.0	
63.00	48.8	57.2	0.0	66.5	48.8	123.7	0.0	0.0	
63.50	48.8	57.1	0.0	66.5	48.8	123.5	0.0	0.0	
64.00	48.8	56.9	0.0	66.5	48.8	123.4	0.0	0.0	
64.50	48.9	56.8	0.0	66.5	48.9	123.2	0.0	0.0	
65.00	48.9	56.6	0.0	66.5	48.9	123.1	0.0	0.0	
65.50	48.9	56.4	0.0	66.5	48.9	122.9	0.0	0.0	
66.00	48.9	56.3	0.0	66.5	48.9	122.7	0.0	0.0	
66.50	48.9	56.1	0.0	66.5	48.9	122.6	0.0	0.0	
67.00	48.9	55.9	0.0	66.5	48.9	122.4	0.0	0.0	
67.50	49.0	55.8	0.0	66.5	49.0	122.2	0.0	0.0	
68.00	49.0	55.6	0.0	66.5	49.0	122.1	0.0	0.0	
68.50	49.0	55.5	0.0	66.5	49.0	121.9	0.0	0.0	
69.00	49.0	55.3	0.0	66.5	49.0	121.8	0.0	0.0	
69.50	49.0	55.1	0.0	66.5	49.0	121.6	0.0	0.0	
70.00	Bot - Section 3	49.5	55.0	0.0	66.5	49.5	121.4	0.0	0.0
70.50		49.9	99.6	0.0	66.5	49.9	166.1	0.0	0.0
71.00		49.9	99.3	0.0	66.5	49.9	165.8	0.0	0.0
71.50		49.9	99.0	0.0	66.5	49.9	165.5	0.0	0.0
72.00		49.9	98.7	0.0	66.5	49.9	165.2	0.0	0.0
72.50		50.0	98.4	0.0	66.5	50.0	164.9	0.0	0.0
73.00		41.5	98.2	0.0	66.5	41.5	164.6	0.0	0.0
73.33	Reinf. Top Reinf	25.0	64.6	0.0	43.9	25.0	108.5	0.0	0.0
73.50	Top - Section 2	33.3	33.2	0.0	20.0	33.3	53.2	0.0	0.0
74.00		49.6	43.9	0.0	58.9	49.6	102.8	0.0	0.0
74.50		49.6	43.8	0.0	58.9	49.6	102.7	0.0	0.0
75.00		49.6	43.6	0.0	58.9	49.6	102.5	0.0	0.0
75.50		49.6	43.5	0.0	58.9	49.6	102.4	0.0	0.0
76.00		49.6	43.4	0.0	58.9	49.6	102.3	0.0	0.0
76.50		49.6	43.2	0.0	58.9	49.6	102.1	0.0	0.0
77.00		49.6	43.1	0.0	58.9	49.6	102.0	0.0	0.0
77.50		49.6	43.0	0.0	58.9	49.6	101.9	0.0	0.0
78.00		49.6	42.8	0.0	58.9	49.6	101.8	0.0	0.0
78.50		49.6	42.7	0.0	58.9	49.6	101.6	0.0	0.0
79.00		49.6	42.6	0.0	58.9	49.6	101.5	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:32 AM

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	58.9	49.6	101.4	0.0	0.0			
80.00	49.6	42.3	0.0	58.9	49.6	101.2	0.0	0.0			
80.50	49.6	42.2	0.0	58.9	49.6	101.1	0.0	0.0			
81.00	49.6	42.1	0.0	58.9	49.6	101.0	0.0	0.0			
81.50	49.6	41.9	0.0	58.9	49.6	100.8	0.0	0.0			
82.00	49.6	41.8	0.0	58.9	49.6	100.7	0.0	0.0			
82.50	49.6	41.7	0.0	58.9	49.6	100.6	0.0	0.0			
83.00	49.6	41.6	0.0	58.9	49.6	100.5	0.0	0.0			
83.50	49.5	41.4	0.0	58.9	49.5	100.3	0.0	0.0			
84.00	49.5	41.3	0.0	58.9	49.5	100.2	0.0	0.0			
84.50	49.5	41.2	0.0	58.9	49.5	100.1	0.0	0.0			
85.00	49.5	41.0	0.0	58.9	49.5	99.9	0.0	0.0			
85.50	49.5	40.9	0.0	58.9	49.5	99.8	0.0	0.0			
86.00	49.5	40.8	0.0	58.9	49.5	99.7	0.0	0.0			
86.50	49.5	40.7	0.0	58.9	49.5	99.6	0.0	0.0			
87.00	49.4	40.5	0.0	58.9	49.4	99.4	0.0	0.0			
87.50	49.4	40.4	0.0	58.9	49.4	99.3	0.0	0.0			
88.00	49.4	40.3	0.0	58.9	49.4	99.2	0.0	0.0			
88.50	49.4	40.1	0.0	58.9	49.4	99.0	0.0	0.0			
89.00	49.4	40.0	0.0	58.9	49.4	98.9	0.0	0.0			
89.50	49.3	39.9	0.0	58.9	49.3	98.8	0.0	0.0			
90.00	49.3	39.8	0.0	58.9	49.3	98.7	0.0	0.0			
90.50	49.3	39.6	0.0	58.9	49.3	98.5	0.0	0.0			
91.00	49.3	39.5	0.0	58.9	49.3	98.4	0.0	0.0			
91.50	49.3	39.4	0.0	58.9	49.3	98.3	0.0	0.0			
92.00	49.2	39.2	0.0	58.9	49.2	98.1	0.0	0.0			
92.50	49.2	39.1	0.0	58.9	49.2	98.0	0.0	0.0			
93.00	49.2	39.0	0.0	58.9	49.2	97.9	0.0	0.0			
93.50	49.2	38.9	0.0	58.9	49.2	97.8	0.0	0.0			
94.00	49.1	38.7	0.0	58.9	49.1	97.6	0.0	0.0			
94.50	49.1	38.6	0.0	58.9	49.1	97.5	0.0	0.0			
95.00	49.1	38.5	0.0	58.9	49.1	97.4	0.0	0.0			
95.50	49.1	38.3	0.0	58.9	49.1	97.2	0.0	0.0			
96.00	49.0	38.2	0.0	58.9	49.0	97.1	0.0	0.0			
96.50	49.0	38.1	0.0	58.9	49.0	97.0	0.0	0.0			
97.00	49.0	38.0	0.0	58.9	49.0	96.9	0.0	0.0			
97.50	48.9	37.8	0.0	58.9	48.9	96.7	0.0	0.0			
98.00	48.9	37.7	0.0	58.9	48.9	96.6	0.0	0.0			
98.50	48.9	37.6	0.0	58.9	48.9	96.5	0.0	0.0			
99.00	48.9	37.4	0.0	58.9	48.9	96.3	0.0	0.0			
99.50	48.8	37.3	0.0	58.9	48.8	96.2	0.0	0.0			
100.00	48.8	37.2	0.0	58.9	48.8	96.1	0.0	0.0			
100.50	48.8	37.1	0.0	58.9	48.8	96.0	0.0	0.0			
101.00	48.7	36.9	0.0	58.9	48.7	95.8	0.0	0.0			
101.50	48.7	36.8	0.0	58.9	48.7	95.7	0.0	0.0			
102.00	48.7	36.7	0.0	58.9	48.7	95.6	0.0	0.0			
102.50	48.6	36.5	0.0	58.9	48.6	95.4	0.0	0.0			
103.00	48.6	36.4	0.0	58.9	48.6	95.3	0.0	0.0			
103.50	48.6	36.3	0.0	58.9	48.6	95.2	0.0	0.0			
104.00	48.5	36.2	0.0	58.9	48.5	95.1	0.0	0.0			
104.50	48.5	36.0	0.0	58.9	48.5	94.9	0.0	0.0			
105.00	48.4	35.9	0.0	58.9	48.4	94.8	0.0	0.0			
105.50	48.4	35.8	0.0	58.9	48.4	94.7	0.0	0.0			
106.00	48.4	35.6	0.0	58.9	48.4	94.5	0.0	0.0			
106.50	48.3	35.5	0.0	58.9	48.3	94.4	0.0	0.0			
107.00	48.3	35.4	0.0	58.9	48.3	94.3	0.0	0.0			
107.50	48.2	35.3	0.0	58.9	48.2	94.2	0.0	0.0			

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	58.9	48.2	94.0	0.0	0.0		
108.50	48.2	35.0				0.0	58.9	48.2	93.9	0.0	0.0		
109.00	48.1	34.9				0.0	58.9	48.1	93.8	0.0	0.0		
109.50	48.1	34.7				0.0	58.9	48.1	93.6	0.0	0.0		
110.00	Top - Section 3	48.0	34.6			0.0	58.9	48.0	93.5	0.0	0.0		
110.50		48.0	25.9			0.0	51.2	48.0	77.1	0.0	0.0		
111.00		48.0	25.8			0.0	51.2	48.0	77.0	0.0	0.0		
111.50		47.9	25.7			0.0	51.2	47.9	76.9	0.0	0.0		
112.00		47.9	25.6			0.0	51.2	47.9	76.8	0.0	0.0		
112.50		47.8	25.6			0.0	51.2	47.8	76.7	0.0	0.0		
113.00		47.8	25.5			0.0	51.2	47.8	76.6	0.0	0.0		
113.50		47.7	25.4			0.0	51.2	47.7	76.5	0.0	0.0		
114.00		47.7	25.3			0.0	51.2	47.7	76.4	0.0	0.0		
114.50		47.6	25.2			0.0	51.2	47.6	76.3	0.0	0.0		
115.00		47.6	25.1			0.0	51.2	47.6	76.2	0.0	0.0		
115.50		47.5	25.0			0.0	51.2	47.5	76.1	0.0	0.0		
116.00		47.5	24.9			0.0	51.2	47.5	76.1	0.0	0.0		
116.50	Reinf. Top	47.4	24.8			0.0	51.2	47.4	76.0	0.0	0.0		
117.00		47.4	24.7			0.0	20.6	47.4	45.2	0.0	0.0		
117.50		47.4	24.6			0.0	20.6	47.4	45.1	0.0	0.0		
118.00		47.3	24.5			0.0	20.6	47.3	45.0	0.0	0.0		
118.50		47.3	24.4			0.0	20.6	47.3	45.0	0.0	0.0		
119.00		47.2	24.3			0.0	20.6	47.2	44.9	0.0	0.0		
119.50		47.2	24.2			0.0	20.6	47.2	44.8	0.0	0.0		
120.00		47.1	24.1			0.0	20.6	47.1	44.7	0.0	0.0		
120.50		47.0	24.0			0.0	20.6	47.0	44.6	0.0	0.0		
121.00		47.0	23.9			0.0	20.6	47.0	44.5	0.0	0.0		
121.50		46.9	23.8			0.0	20.6	46.9	44.4	0.0	0.0		
122.00		46.9	23.7			0.0	20.6	46.9	44.3	0.0	0.0		
122.50		46.8	23.6			0.0	20.6	46.8	44.2	0.0	0.0		
123.00		46.8	23.5			0.0	20.6	46.8	44.1	0.0	0.0		
123.50		46.7	23.4			0.0	20.6	46.7	44.0	0.0	0.0		
124.00		46.7	23.3			0.0	20.6	46.7	43.9	0.0	0.0		
124.50		46.6	23.2			0.0	20.6	46.6	43.8	0.0	0.0		
125.00		46.6	23.1			0.0	20.6	46.6	43.7	0.0	0.0		
125.50		46.5	23.0			0.0	20.6	46.5	43.6	0.0	0.0		
126.00		46.5	22.9			0.0	20.6	46.5	43.5	0.0	0.0		
126.50		46.4	22.8			0.0	20.6	46.4	43.4	0.0	0.0		
127.00		46.3	22.7			0.0	20.6	46.3	43.3	0.0	0.0		
127.50		46.3	22.7			0.0	20.6	46.3	43.2	0.0	0.0		
128.00		46.2	22.6			0.0	20.6	46.2	43.1	0.0	0.0		
128.50		46.2	22.5			0.0	20.6	46.2	43.0	0.0	0.0		
129.00		46.1	22.4			0.0	20.6	46.1	42.9	0.0	0.0		
129.50		46.0	22.3			0.0	20.6	46.0	42.8	0.0	0.0		
130.00		46.0	22.2			0.0	20.6	46.0	42.7	0.0	0.0		
130.50		45.9	22.1			0.0	20.6	45.9	42.6	0.0	0.0		
131.00	Appertunance(s)	41.4	22.0	3,445.3	0.0	0.0	3,105.7	0.0	20.6	3,486.6	3,148.3	0.0	0.0
131.50		36.8	21.9					0.0	15.1	36.8	37.0	0.0	0.0
132.00		36.7	21.8					0.0	15.1	36.7	36.9	0.0	0.0
132.50		36.6	21.7					0.0	15.1	36.6	36.8	0.0	0.0
133.00		36.6	21.6					0.0	15.1	36.6	36.7	0.0	0.0
133.50		36.5	21.5					0.0	15.1	36.5	36.6	0.0	0.0
134.00		36.4	21.4					0.0	15.1	36.4	36.5	0.0	0.0
134.50		36.3	21.3					0.0	15.1	36.3	36.4	0.0	0.0
135.00		36.3	21.2					0.0	15.1	36.3	36.3	0.0	0.0
135.50		36.2	21.1					0.0	15.1	36.2	36.2	0.0	0.0
136.00		36.1	21.0					0.0	15.1	36.1	36.1	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:32 AM

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	15.1	36.0	36.1	0.0	0.0	
137.00		36.0	20.8				0.0	15.1	36.0	36.0	0.0	0.0	
137.50		35.9	20.7				0.0	15.1	35.9	35.9	0.0	0.0	
138.00		35.8	20.6				0.0	15.1	35.8	35.8	0.0	0.0	
138.50		35.7	20.5				0.0	15.1	35.7	35.7	0.0	0.0	
139.00		35.7	20.4				0.0	15.1	35.7	35.6	0.0	0.0	
139.50		35.6	20.3				0.0	15.1	35.6	35.5	0.0	0.0	
140.00		35.5	20.2				0.0	15.1	35.5	35.4	0.0	0.0	
140.50		35.4	20.1				0.0	15.1	35.4	35.3	0.0	0.0	
141.00	Appertunance(s)	34.5	20.0	487.5	0.0	0.0	79.2	0.0	15.1	522.0	114.4	0.0	0.0
141.50		33.6	19.9					0.0	12.2	33.6	32.1	0.0	0.0
142.00		33.4	19.9					0.0	12.2	33.4	32.0	0.0	0.0
142.50		33.3	19.8					0.0	12.2	33.3	31.9	0.0	0.0
143.00		33.2	19.7					0.0	12.2	33.2	31.8	0.0	0.0
143.50		33.1	19.6					0.0	12.2	33.1	31.7	0.0	0.0
144.00		32.9	19.5					0.0	12.2	32.9	31.7	0.0	0.0
144.50		32.8	19.4					0.0	12.2	32.8	31.6	0.0	0.0
145.00		32.7	19.3					0.0	12.2	32.7	31.5	0.0	0.0
145.50		32.5	19.2					0.0	12.2	32.5	31.4	0.0	0.0
146.00		32.4	19.1					0.0	12.2	32.4	31.3	0.0	0.0
146.50		32.3	19.0					0.0	12.2	32.3	31.2	0.0	0.0
147.00		32.1	18.9					0.0	12.2	32.1	31.1	0.0	0.0
147.50		32.0	18.8					0.0	12.2	32.0	31.0	0.0	0.0
148.00		31.9	18.7					0.0	12.2	31.9	30.9	0.0	0.0
148.50		31.7	18.6					0.0	12.2	31.7	30.8	0.0	0.0
149.00		31.6	18.5					0.0	12.2	31.6	30.7	0.0	0.0
149.50		31.5	18.4					0.0	12.2	31.5	30.6	0.0	0.0
150.00	Appertunance(s)	15.7	18.3	3,346.3	0.0	8,891.1	3,346.6	0.0	12.2	3,362.0	3,377.1	0.0	0.0
								Totals:	21,070.3	38,660.6	0.00	0.00	

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:34 AM

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	-3.68	-5.29	0.00	-71.39	0.00	71.39	747.01	373.51	522.82	258.20	100.49	-7.56	0.282
136.50	-3.65	-5.25	0.00	-68.74	0.00	68.74	744.70	372.35	518.77	256.20	101.28	-7.58	0.273
137.00	-3.61	-5.21	0.00	-66.12	0.00	66.12	742.37	371.18	514.72	254.20	102.07	-7.61	0.265
137.50	-3.58	-5.17	0.00	-63.51	0.00	63.51	740.03	370.01	510.69	252.21	102.87	-7.63	0.257
138.00	-3.55	-5.13	0.00	-60.93	0.00	60.93	737.68	368.84	506.66	250.22	103.67	-7.66	0.248
138.50	-3.52	-5.10	0.00	-58.36	0.00	58.36	735.32	367.66	502.65	248.24	104.47	-7.68	0.240
139.00	-3.48	-5.06	0.00	-55.81	0.00	55.81	732.95	366.47	498.64	246.26	105.27	-7.70	0.232
139.50	-3.45	-5.02	0.00	-53.28	0.00	53.28	730.57	365.28	494.64	244.28	106.08	-7.73	0.223
140.00	-3.42	-4.98	0.00	-50.77	0.00	50.77	728.18	364.09	490.64	242.31	106.88	-7.75	0.214
140.50	-3.39	-4.94	0.00	-48.28	0.00	48.28	725.44	362.72	486.44	240.23	107.69	-7.77	0.206
141.00	-3.34	-4.41	0.00	-45.81	0.00	45.81	721.95	360.98	481.74	237.92	108.51	-7.79	0.197
141.50	-3.31	-4.37	0.00	-43.61	0.00	43.61	718.47	359.23	477.08	235.61	109.32	-7.81	0.190
142.00	-3.29	-4.34	0.00	-41.42	0.00	41.42	714.98	357.49	472.43	233.32	110.14	-7.83	0.182
142.50	-3.26	-4.30	0.00	-39.26	0.00	39.26	711.49	355.75	467.81	231.03	110.95	-7.84	0.175
143.00	-3.23	-4.26	0.00	-37.11	0.00	37.11	708.01	354.00	463.21	228.76	111.77	-7.86	0.167
143.50	-3.20	-4.23	0.00	-34.97	0.00	34.97	704.52	352.26	458.63	226.50	112.60	-7.88	0.159
144.00	-3.17	-4.19	0.00	-32.86	0.00	32.86	701.03	350.52	454.07	224.25	113.42	-7.89	0.151
144.50	-3.14	-4.16	0.00	-30.76	0.00	30.76	697.55	348.77	449.54	222.01	114.24	-7.91	0.143
145.00	-3.12	-4.12	0.00	-28.69	0.00	28.69	694.06	347.03	445.03	219.78	115.07	-7.92	0.135
145.50	-3.09	-4.08	0.00	-26.63	0.00	26.63	690.57	345.29	440.55	217.57	115.90	-7.94	0.127
146.00	-3.06	-4.05	0.00	-24.59	0.00	24.59	687.09	343.54	436.08	215.36	116.73	-7.95	0.119
146.50	-3.04	-4.01	0.00	-22.56	0.00	22.56	683.60	341.80	431.64	213.17	117.56	-7.96	0.110
147.00	-3.01	-3.98	0.00	-20.56	0.00	20.56	680.11	340.06	427.22	210.99	118.39	-7.97	0.102
147.50	-2.98	-3.94	0.00	-18.57	0.00	18.57	676.63	338.31	422.83	208.82	119.22	-7.98	0.093
148.00	-2.95	-3.91	0.00	-16.60	0.00	16.60	673.14	336.57	418.45	206.66	120.06	-7.99	0.085
148.50	-2.93	-3.87	0.00	-14.64	0.00	14.64	669.65	334.83	414.10	204.51	120.89	-8.00	0.076
149.00	-2.90	-3.84	0.00	-12.71	0.00	12.71	666.16	333.08	409.78	202.37	121.73	-8.01	0.067
149.50	-2.88	-3.80	0.00	-10.79	0.00	10.79	662.68	331.34	405.47	200.25	122.56	-8.01	0.058
150.00	0.00	-3.36	0.00	-8.89	0.00	8.89	659.19	329.60	401.19	198.13	123.40	-8.02	0.045

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:34 AM

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		

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	9.0					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	55.6	47.5	121.6	0.0	0.0
9.00		47.4	65.9					0.0	55.6	47.4	121.5	0.0	0.0
9.50		47.3	65.7					0.0	55.6	47.3	121.3	0.0	0.0
10.00		47.2	65.6					0.0	55.6	47.2	121.2	0.0	0.0
10.50		47.1	65.5					0.0	55.6	47.1	121.0	0.0	0.0
11.00		47.0	65.3					0.0	55.6	47.0	120.9	0.0	0.0
11.50		46.9	65.2					0.0	55.6	46.9	120.7	0.0	0.0
12.00		46.8	65.0					0.0	55.6	46.8	120.6	0.0	0.0
12.50		46.7	64.9					0.0	55.6	46.7	120.5	0.0	0.0
13.00		46.6	64.7					0.0	55.6	46.6	120.3	0.0	0.0
13.50		46.5	64.6					0.0	55.6	46.5	120.2	0.0	0.0
14.00		46.4	64.4					0.0	55.6	46.4	120.0	0.0	0.0
14.50		46.3	64.3					0.0	55.6	46.3	119.9	0.0	0.0
15.00		46.2	64.1					0.0	55.6	46.2	119.7	0.0	0.0
15.50		46.1	64.0					0.0	55.6	46.1	119.6	0.0	0.0
16.00		46.0	63.9					0.0	55.6	46.0	119.4	0.0	0.0
16.50		45.9	63.7					0.0	55.6	45.9	119.3	0.0	0.0
17.00		45.8	63.6					0.0	55.6	45.8	119.2	0.0	0.0
17.50		45.7	63.4					0.0	55.6	45.7	119.0	0.0	0.0
18.00		45.6	63.3					0.0	55.6	45.6	118.9	0.0	0.0
18.50		45.5	63.1					0.0	55.6	45.5	118.7	0.0	0.0
19.00		45.4	63.0					0.0	55.6	45.4	118.6	0.0	0.0
19.50		45.3	62.8					0.0	55.6	45.3	118.4	0.0	0.0
20.00		45.2	62.7					0.0	55.6	45.2	118.3	0.0	0.0
20.50		45.0	62.6					0.0	55.6	45.0	118.1	0.0	0.0
21.00		44.9	62.4					0.0	55.6	44.9	118.0	0.0	0.0
21.50		44.8	62.3					0.0	55.6	44.8	117.8	0.0	0.0
22.00		44.7	62.1					0.0	55.6	44.7	117.7	0.0	0.0
22.50		44.6	62.0					0.0	55.6	44.6	117.6	0.0	0.0
23.00		44.5	61.8					0.0	55.6	44.5	117.4	0.0	0.0
23.50		44.4	61.7					0.0	55.6	44.4	117.3	0.0	0.0

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	55.6	44.3	117.1	0.0	0.0	
24.50		44.2	61.4	0.0	55.6	44.2	117.0	0.0	0.0	
25.00		44.1	61.3	0.0	55.6	44.1	116.8	0.0	0.0	
25.50		44.0	61.1	0.0	55.6	44.0	116.7	0.0	0.0	
26.00		43.9	61.0	0.0	55.6	43.9	116.5	0.0	0.0	
26.50		43.8	60.8	0.0	55.6	43.8	116.4	0.0	0.0	
27.00		43.7	60.7	0.0	55.6	43.7	116.3	0.0	0.0	
27.50		43.6	60.5	0.0	55.6	43.6	116.1	0.0	0.0	
28.00		43.5	60.4	0.0	55.6	43.5	116.0	0.0	0.0	
28.50		43.4	60.2	0.0	55.6	43.4	115.8	0.0	0.0	
29.00		43.3	60.1	0.0	55.6	43.3	115.7	0.0	0.0	
29.50		43.2	59.9	0.0	55.6	43.2	115.5	0.0	0.0	
30.00		43.2	59.8	0.0	55.6	43.2	115.4	0.0	0.0	
30.50		43.2	59.7	0.0	55.6	43.2	115.2	0.0	0.0	
31.00		43.3	59.5	0.0	55.6	43.3	115.1	0.0	0.0	
31.50	Bot - Section 2	43.8	59.4	0.0	55.6	43.8	114.9	0.0	0.0	
32.00		44.3	109.6	0.0	55.6	44.3	165.2	0.0	0.0	
32.50		44.4	109.4	0.0	55.6	44.4	165.0	0.0	0.0	
33.00		44.5	109.1	0.0	55.6	44.5	164.7	0.0	0.0	
33.50		44.6	108.8	0.0	55.6	44.6	164.4	0.0	0.0	
34.00		44.7	108.6	0.0	55.6	44.7	164.2	0.0	0.0	
34.50		44.8	108.3	0.0	55.6	44.8	163.9	0.0	0.0	
35.00		44.8	108.0	0.0	55.6	44.8	163.6	0.0	0.0	
35.50		29.9	107.8	0.0	55.6	29.9	163.4	0.0	0.0	
35.67	Top - Section 1	22.5	35.9	0.0	18.5	22.5	54.4	0.0	0.0	
36.00		37.5	33.0	0.0	37.1	37.5	70.0	0.0	0.0	
36.50		30.2	49.3	0.0	55.6	30.2	104.9	0.0	0.0	
36.67	Reinf. Top Reinf	22.5	16.7	0.0	18.9	22.5	35.6	0.0	0.0	
37.00		37.5	32.5	0.0	32.9	37.5	65.4	0.0	0.0	
37.50		45.2	49.1	0.0	49.8	45.2	98.9	0.0	0.0	
38.00		45.2	49.0	0.0	49.8	45.2	98.8	0.0	0.0	
38.50		45.3	48.8	0.0	49.8	45.3	98.7	0.0	0.0	
39.00		45.4	48.7	0.0	49.8	45.4	98.6	0.0	0.0	
39.50		45.4	48.6	0.0	49.8	45.4	98.4	0.0	0.0	
40.00		45.5	48.5	0.0	49.8	45.5	98.3	0.0	0.0	
40.50		45.5	48.4	0.0	49.8	45.5	98.2	0.0	0.0	
41.00		45.6	48.2	0.0	49.8	45.6	98.1	0.0	0.0	
41.50		45.6	48.1	0.0	49.8	45.6	98.0	0.0	0.0	
42.00		45.6	48.0	0.0	49.8	45.6	97.8	0.0	0.0	
42.50		45.7	47.9	0.0	49.8	45.7	97.7	0.0	0.0	
43.00		45.7	47.8	0.0	49.8	45.7	97.6	0.0	0.0	
43.50		45.8	47.6	0.0	49.8	45.8	97.5	0.0	0.0	
44.00		45.8	47.5	0.0	49.8	45.8	97.4	0.0	0.0	
44.50		45.8	47.4	0.0	49.8	45.8	97.2	0.0	0.0	
45.00		45.9	47.3	0.0	49.8	45.9	97.1	0.0	0.0	
45.50		45.9	47.2	0.0	49.8	45.9	97.0	0.0	0.0	
46.00		45.9	47.0	0.0	49.8	45.9	96.9	0.0	0.0	
46.50		45.9	46.9	0.0	49.8	45.9	96.8	0.0	0.0	
47.00		46.0	46.8	0.0	49.8	46.0	96.6	0.0	0.0	
47.50		46.0	46.7	0.0	49.8	46.0	96.5	0.0	0.0	
48.00		46.0	46.5	0.0	49.8	46.0	96.4	0.0	0.0	
48.50		46.0	46.4	0.0	49.8	46.0	96.3	0.0	0.0	
49.00		46.0	46.3	0.0	49.8	46.0	96.2	0.0	0.0	
49.50		46.1	46.2	0.0	49.8	46.1	96.0	0.0	0.0	
50.00		46.1	46.1	0.0	49.8	46.1	95.9	0.0	0.0	
50.50		46.1	45.9	0.0	49.8	46.1	95.8	0.0	0.0	
51.00		46.1	45.8	0.0	49.8	46.1	95.7	0.0	0.0	

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:46 AM

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	49.8	46.1	95.5	0.0	0.0	
52.00	46.1	45.6	0.0	49.8	46.1	95.4	0.0	0.0	
52.50	46.1	45.5	0.0	49.8	46.1	95.3	0.0	0.0	
53.00	46.1	45.3	0.0	49.8	46.1	95.2	0.0	0.0	
53.50	46.1	45.2	0.0	49.8	46.1	95.1	0.0	0.0	
54.00	46.1	45.1	0.0	49.8	46.1	94.9	0.0	0.0	
54.50	46.1	45.0	0.0	49.8	46.1	94.8	0.0	0.0	
55.00	46.1	44.9	0.0	49.8	46.1	94.7	0.0	0.0	
55.50	46.1	44.7	0.0	49.8	46.1	94.6	0.0	0.0	
56.00	46.1	44.6	0.0	49.8	46.1	94.5	0.0	0.0	
56.50	46.1	44.5	0.0	49.8	46.1	94.3	0.0	0.0	
57.00	46.1	44.4	0.0	49.8	46.1	94.2	0.0	0.0	
57.50	46.1	44.3	0.0	49.8	46.1	94.1	0.0	0.0	
58.00	46.1	44.1	0.0	49.8	46.1	94.0	0.0	0.0	
58.50	46.1	44.0	0.0	49.8	46.1	93.9	0.0	0.0	
59.00	46.0	43.9	0.0	49.8	46.0	93.7	0.0	0.0	
59.50	46.0	43.8	0.0	49.8	46.0	93.6	0.0	0.0	
60.00	46.0	43.7	0.0	49.8	46.0	93.5	0.0	0.0	
60.50	46.0	43.5	0.0	49.8	46.0	93.4	0.0	0.0	
61.00	46.0	43.4	0.0	49.8	46.0	93.3	0.0	0.0	
61.50	46.0	43.3	0.0	49.8	46.0	93.1	0.0	0.0	
62.00	45.9	43.2	0.0	49.8	45.9	93.0	0.0	0.0	
62.50	45.9	43.0	0.0	49.8	45.9	92.9	0.0	0.0	
63.00	45.9	42.9	0.0	49.8	45.9	92.8	0.0	0.0	
63.50	45.9	42.8	0.0	49.8	45.9	92.7	0.0	0.0	
64.00	45.8	42.7	0.0	49.8	45.8	92.5	0.0	0.0	
64.50	45.8	42.6	0.0	49.8	45.8	92.4	0.0	0.0	
65.00	45.8	42.4	0.0	49.8	45.8	92.3	0.0	0.0	
65.50	45.8	42.3	0.0	49.8	45.8	92.2	0.0	0.0	
66.00	45.7	42.2	0.0	49.8	45.7	92.0	0.0	0.0	
66.50	45.7	42.1	0.0	49.8	45.7	91.9	0.0	0.0	
67.00	45.7	42.0	0.0	49.8	45.7	91.8	0.0	0.0	
67.50	45.6	41.8	0.0	49.8	45.6	91.7	0.0	0.0	
68.00	45.6	41.7	0.0	49.8	45.6	91.6	0.0	0.0	
68.50	45.6	41.6	0.0	49.8	45.6	91.4	0.0	0.0	
69.00	45.5	41.5	0.0	49.8	45.5	91.3	0.0	0.0	
69.50	45.5	41.4	0.0	49.8	45.5	91.2	0.0	0.0	
70.00	Bot - Section 3	45.9	41.2	0.0	49.8	45.9	91.1	0.0	0.0
70.50		46.3	74.7	0.0	49.9	46.3	124.6	0.0	0.0
71.00		46.2	74.5	0.0	49.8	46.2	124.3	0.0	0.0
71.50		46.2	74.3	0.0	49.8	46.2	124.1	0.0	0.0
72.00		46.1	74.0	0.0	49.8	46.1	123.9	0.0	0.0
72.50		46.1	73.8	0.0	49.8	46.1	123.7	0.0	0.0
73.00		38.2	73.6	0.0	49.8	38.2	123.5	0.0	0.0
73.33	Reinf. Top Reinf	23.0	48.5	0.0	32.9	23.0	81.4	0.0	0.0
73.50	Top - Section 2	30.8	24.9	0.0	15.0	30.8	39.9	0.0	0.0
74.00		46.0	32.9	0.0	44.2	46.0	77.1	0.0	0.0
74.50		45.9	32.8	0.0	44.2	45.9	77.0	0.0	0.0
75.00		45.9	32.7	0.0	44.2	45.9	76.9	0.0	0.0
75.50		45.8	32.6	0.0	44.2	45.8	76.8	0.0	0.0
76.00		45.8	32.5	0.0	44.2	45.8	76.7	0.0	0.0
76.50		45.7	32.4	0.0	44.2	45.7	76.6	0.0	0.0
77.00		45.7	32.3	0.0	44.2	45.7	76.5	0.0	0.0
77.50		45.6	32.2	0.0	44.2	45.6	76.4	0.0	0.0
78.00		45.6	32.1	0.0	44.2	45.6	76.3	0.0	0.0
78.50		45.5	32.0	0.0	44.2	45.5	76.2	0.0	0.0
79.00		45.5	31.9	0.0	44.2	45.5	76.1	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:47 AM

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	44.2	45.4	76.0	0.0	0.0
80.00	45.4	31.8	0.0	44.2	45.4	75.9	0.0	0.0
80.50	45.3	31.7	0.0	44.2	45.3	75.8	0.0	0.0
81.00	45.2	31.6	0.0	44.2	45.2	75.7	0.0	0.0
81.50	45.2	31.5	0.0	44.2	45.2	75.6	0.0	0.0
82.00	45.1	31.4	0.0	44.2	45.1	75.5	0.0	0.0
82.50	45.1	31.3	0.0	44.2	45.1	75.4	0.0	0.0
83.00	45.0	31.2	0.0	44.2	45.0	75.3	0.0	0.0
83.50	44.9	31.1	0.0	44.2	44.9	75.3	0.0	0.0
84.00	44.9	31.0	0.0	44.2	44.9	75.2	0.0	0.0
84.50	44.8	30.9	0.0	44.2	44.8	75.1	0.0	0.0
85.00	44.8	30.8	0.0	44.2	44.8	75.0	0.0	0.0
85.50	44.7	30.7	0.0	44.2	44.7	74.9	0.0	0.0
86.00	44.6	30.6	0.0	44.2	44.6	74.8	0.0	0.0
86.50	44.6	30.5	0.0	44.2	44.6	74.7	0.0	0.0
87.00	44.5	30.4	0.0	44.2	44.5	74.6	0.0	0.0
87.50	44.4	30.3	0.0	44.2	44.4	74.5	0.0	0.0
88.00	44.4	30.2	0.0	44.2	44.4	74.4	0.0	0.0
88.50	44.3	30.1	0.0	44.2	44.3	74.3	0.0	0.0
89.00	44.2	30.0	0.0	44.2	44.2	74.2	0.0	0.0
89.50	44.1	29.9	0.0	44.2	44.1	74.1	0.0	0.0
90.00	44.1	29.8	0.0	44.2	44.1	74.0	0.0	0.0
90.50	44.0	29.7	0.0	44.2	44.0	73.9	0.0	0.0
91.00	43.9	29.6	0.0	44.2	43.9	73.8	0.0	0.0
91.50	43.9	29.5	0.0	44.2	43.9	73.7	0.0	0.0
92.00	43.8	29.4	0.0	44.2	43.8	73.6	0.0	0.0
92.50	43.7	29.3	0.0	44.2	43.7	73.5	0.0	0.0
93.00	43.6	29.2	0.0	44.2	43.6	73.4	0.0	0.0
93.50	43.6	29.1	0.0	44.2	43.6	73.3	0.0	0.0
94.00	43.5	29.0	0.0	44.2	43.5	73.2	0.0	0.0
94.50	43.4	29.0	0.0	44.2	43.4	73.1	0.0	0.0
95.00	43.3	28.9	0.0	44.2	43.3	73.0	0.0	0.0
95.50	43.2	28.8	0.0	44.2	43.2	72.9	0.0	0.0
96.00	43.2	28.7	0.0	44.2	43.2	72.8	0.0	0.0
96.50	43.1	28.6	0.0	44.2	43.1	72.7	0.0	0.0
97.00	43.0	28.5	0.0	44.2	43.0	72.6	0.0	0.0
97.50	42.9	28.4	0.0	44.2	42.9	72.5	0.0	0.0
98.00	42.8	28.3	0.0	44.2	42.8	72.4	0.0	0.0
98.50	42.8	28.2	0.0	44.2	42.8	72.4	0.0	0.0
99.00	42.7	28.1	0.0	44.2	42.7	72.3	0.0	0.0
99.50	42.6	28.0	0.0	44.2	42.6	72.2	0.0	0.0
100.00	42.5	27.9	0.0	44.2	42.5	72.1	0.0	0.0
100.50	42.4	27.8	0.0	44.2	42.4	72.0	0.0	0.0
101.00	42.3	27.7	0.0	44.2	42.3	71.9	0.0	0.0
101.50	42.2	27.6	0.0	44.2	42.2	71.8	0.0	0.0
102.00	42.2	27.5	0.0	44.2	42.2	71.7	0.0	0.0
102.50	42.1	27.4	0.0	44.2	42.1	71.6	0.0	0.0
103.00	42.0	27.3	0.0	44.2	42.0	71.5	0.0	0.0
103.50	41.9	27.2	0.0	44.2	41.9	71.4	0.0	0.0
104.00	41.8	27.1	0.0	44.2	41.8	71.3	0.0	0.0
104.50	41.7	27.0	0.0	44.2	41.7	71.2	0.0	0.0
105.00	41.6	26.9	0.0	44.2	41.6	71.1	0.0	0.0
105.50	41.5	26.8	0.0	44.2	41.5	71.0	0.0	0.0
106.00	41.4	26.7	0.0	44.2	41.4	70.9	0.0	0.0
106.50	41.3	26.6	0.0	44.2	41.3	70.8	0.0	0.0
107.00	41.3	26.5	0.0	44.2	41.3	70.7	0.0	0.0
107.50	41.2	26.4	0.0	44.2	41.2	70.6	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:47 AM

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	44.2	41.1	70.5	0.0	0.0	
108.50	41.0	26.2	0.0	44.2	41.0	70.4	0.0	0.0	
109.00	40.9	26.1	0.0	44.2	40.9	70.3	0.0	0.0	
109.50	40.8	26.1	0.0	44.2	40.8	70.2	0.0	0.0	
110.00	Top - Section 3	40.7	26.0	0.0	44.2	40.7	70.1	0.0	0.0
110.50		40.6	19.5	0.0	38.4	40.6	57.8	0.0	0.0
111.00		40.5	19.4	0.0	38.4	40.5	57.8	0.0	0.0
111.50		40.4	19.3	0.0	38.4	40.4	57.7	0.0	0.0
112.00		40.3	19.2	0.0	38.4	40.3	57.6	0.0	0.0
112.50		40.2	19.2	0.0	38.4	40.2	57.5	0.0	0.0
113.00		40.1	19.1	0.0	38.4	40.1	57.5	0.0	0.0
113.50		40.0	19.0	0.0	38.4	40.0	57.4	0.0	0.0
114.00		39.9	18.9	0.0	38.4	39.9	57.3	0.0	0.0
114.50		39.8	18.9	0.0	38.4	39.8	57.3	0.0	0.0
115.00		39.7	18.8	0.0	38.4	39.7	57.2	0.0	0.0
115.50		39.6	18.7	0.0	38.4	39.6	57.1	0.0	0.0
116.00		39.5	18.7	0.0	38.4	39.5	57.0	0.0	0.0
116.50	Reinf. Top	39.4	18.6	0.0	38.4	39.4	57.0	0.0	0.0
117.00		39.3	18.5	0.0	15.4	39.3	33.9	0.0	0.0
117.50		39.2	18.4	0.0	15.4	39.2	33.9	0.0	0.0
118.00		39.1	18.4	0.0	15.4	39.1	33.8	0.0	0.0
118.50		39.0	18.3	0.0	15.4	39.0	33.7	0.0	0.0
119.00		38.8	18.2	0.0	15.4	38.8	33.6	0.0	0.0
119.50		38.7	18.1	0.0	15.4	38.7	33.6	0.0	0.0
120.00		38.6	18.1	0.0	15.4	38.6	33.5	0.0	0.0
120.50		38.5	18.0	0.0	15.4	38.5	33.4	0.0	0.0
121.00		38.4	17.9	0.0	15.4	38.4	33.4	0.0	0.0
121.50		38.3	17.9	0.0	15.4	38.3	33.3	0.0	0.0
122.00		38.2	17.8	0.0	15.4	38.2	33.2	0.0	0.0
122.50		38.1	17.7	0.0	15.4	38.1	33.1	0.0	0.0
123.00		38.0	17.6	0.0	15.4	38.0	33.1	0.0	0.0
123.50		37.9	17.6	0.0	15.4	37.9	33.0	0.0	0.0
124.00		37.8	17.5	0.0	15.4	37.8	32.9	0.0	0.0
124.50		37.6	17.4	0.0	15.4	37.6	32.8	0.0	0.0
125.00		37.5	17.4	0.0	15.4	37.5	32.8	0.0	0.0
125.50		37.4	17.3	0.0	15.4	37.4	32.7	0.0	0.0
126.00		37.3	17.2	0.0	15.4	37.3	32.6	0.0	0.0
126.50		37.2	17.1	0.0	15.4	37.2	32.6	0.0	0.0
127.00		37.1	17.1	0.0	15.4	37.1	32.5	0.0	0.0
127.50		37.0	17.0	0.0	15.4	37.0	32.4	0.0	0.0
128.00		36.8	16.9	0.0	15.4	36.8	32.3	0.0	0.0
128.50		36.7	16.8	0.0	15.4	36.7	32.3	0.0	0.0
129.00		36.6	16.8	0.0	15.4	36.6	32.2	0.0	0.0
129.50		36.5	16.7	0.0	15.4	36.5	32.1	0.0	0.0
130.00		36.4	16.6	0.0	15.4	36.4	32.0	0.0	0.0
130.50		36.3	16.6	0.0	15.4	36.3	32.0	0.0	0.0
131.00	Appertunance(s)	36.1	16.5	3,445.3	0.0	0.0	2,329.3	0.0	0.0
131.50		36.0	16.4	0.0	11.4	36.0	27.8	0.0	0.0
132.00		35.9	16.3	0.0	11.4	35.9	27.7	0.0	0.0
132.50		35.8	16.3	0.0	11.4	35.8	27.6	0.0	0.0
133.00		35.7	16.2	0.0	11.4	35.7	27.5	0.0	0.0
133.50		35.5	16.1	0.0	11.4	35.5	27.5	0.0	0.0
134.00		35.4	16.0	0.0	11.4	35.4	27.4	0.0	0.0
134.50		35.3	16.0	0.0	11.4	35.3	27.3	0.0	0.0
135.00		35.2	15.9	0.0	11.4	35.2	27.3	0.0	0.0
135.50		35.1	15.8	0.0	11.4	35.1	27.2	0.0	0.0
136.00		34.9	15.8	0.0	11.4	34.9	27.1	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:47 AM

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	11.4	34.8	27.0	0.0	0.0	
137.00	34.7	15.6					0.0	11.4	34.7	27.0	0.0	0.0	
137.50	34.6	15.5					0.0	11.4	34.6	26.9	0.0	0.0	
138.00	34.4	15.5					0.0	11.4	34.4	26.8	0.0	0.0	
138.50	34.3	15.4					0.0	11.4	34.3	26.7	0.0	0.0	
139.00	34.2	15.3					0.0	11.4	34.2	26.7	0.0	0.0	
139.50	34.1	15.3					0.0	11.4	34.1	26.6	0.0	0.0	
140.00	33.9	15.2					0.0	11.4	33.9	26.5	0.0	0.0	
140.50	33.8	15.1					0.0	11.4	33.8	26.5	0.0	0.0	
141.00	Appertunance(s)	33.7	15.0	487.5	0.0	0.0	59.4	0.0	11.4	521.2	85.8	0.0	0.0
141.50		33.6	15.0					0.0	9.1	33.6	24.1	0.0	0.0
142.00		33.4	14.9					0.0	9.1	33.4	24.0	0.0	0.0
142.50		33.3	14.8					0.0	9.1	33.3	24.0	0.0	0.0
143.00		33.2	14.7					0.0	9.1	33.2	23.9	0.0	0.0
143.50		33.1	14.7					0.0	9.1	33.1	23.8	0.0	0.0
144.00		32.9	14.6					0.0	9.1	32.9	23.7	0.0	0.0
144.50		32.8	14.5					0.0	9.1	32.8	23.7	0.0	0.0
145.00		32.7	14.5					0.0	9.1	32.7	23.6	0.0	0.0
145.50		32.5	14.4					0.0	9.1	32.5	23.5	0.0	0.0
146.00		32.4	14.3					0.0	9.1	32.4	23.4	0.0	0.0
146.50		32.3	14.2					0.0	9.1	32.3	23.4	0.0	0.0
147.00		32.1	14.2					0.0	9.1	32.1	23.3	0.0	0.0
147.50		32.0	14.1					0.0	9.1	32.0	23.2	0.0	0.0
148.00		31.9	14.0					0.0	9.1	31.9	23.2	0.0	0.0
148.50		31.7	13.9					0.0	9.1	31.7	23.1	0.0	0.0
149.00		31.6	13.9					0.0	9.1	31.6	23.0	0.0	0.0
149.50		31.5	13.8					0.0	9.1	31.5	22.9	0.0	0.0
150.00	Appertunance(s)	15.7	13.7	3,346.3	0.0	8,891.1	2,509.9	0.0	9.1	3,362.0	2,532.8	0.0	0.0
								Totals:		20,108.1	28,995.4	0.00	0.00

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	-28.99	-20.09	0.00	-2,029.51	0.00	2,029.51	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.529
0.50	-28.87	-20.05	0.00	-2,019.47	0.00	2,019.47	3,152.93	1,576.47	4,795.55	2,368.34	0.00	-0.02	0.527
1.00	-28.76	-20.01	0.00	-2,009.44	0.00	2,009.44	3,148.69	1,574.34	4,778.83	2,360.09	0.01	-0.05	0.526
1.50	-28.64	-19.97	0.00	-1,999.44	0.00	1,999.44	3,144.43	1,572.22	4,762.13	2,351.84	0.01	-0.07	0.525
2.00	-28.53	-19.94	0.00	-1,989.45	0.00	1,989.45	3,140.17	1,570.08	4,745.43	2,343.59	0.02	-0.09	0.523
2.50	-28.41	-19.90	0.00	-1,979.48	0.00	1,979.48	3,135.89	1,567.94	4,728.75	2,335.35	0.03	-0.11	0.522
3.00	-28.29	-19.86	0.00	-1,969.53	0.00	1,969.53	3,131.60	1,565.80	4,712.08	2,327.12	0.04	-0.14	0.521
3.50	-28.18	-19.82	0.00	-1,959.60	0.00	1,959.60	3,127.31	1,563.65	4,695.42	2,318.89	0.06	-0.16	0.520
4.00	-28.06	-19.79	0.00	-1,949.69	0.00	1,949.69	3,123.00	1,561.50	4,678.77	2,310.67	0.08	-0.18	0.518
4.50	-27.95	-19.75	0.00	-1,939.80	0.00	1,939.80	3,118.68	1,559.34	4,662.14	2,302.45	0.10	-0.20	0.517
5.00	-27.83	-19.71	0.00	-1,929.92	0.00	1,929.92	3,114.35	1,557.18	4,645.51	2,294.24	0.12	-0.23	0.516
5.50	-27.72	-19.67	0.00	-1,920.07	0.00	1,920.07	3,110.02	1,555.01	4,628.91	2,286.04	0.15	-0.25	0.515
6.00	-27.61	-19.64	0.00	-1,910.23	0.00	1,910.23	3,105.67	1,552.83	4,612.31	2,277.85	0.17	-0.27	0.513
6.50	-27.49	-19.60	0.00	-1,900.41	0.00	1,900.41	3,101.31	1,550.65	4,595.73	2,269.66	0.20	-0.29	0.512
7.00	-27.38	-19.56	0.00	-1,890.61	0.00	1,890.61	3,096.94	1,548.47	4,579.16	2,261.47	0.23	-0.32	0.511
7.50	-27.26	-19.52	0.00	-1,880.83	0.00	1,880.83	3,092.56	1,546.28	4,562.60	2,253.30	0.27	-0.34	0.509
8.00	-27.15	-19.49	0.00	-1,871.07	0.00	1,871.07	3,088.17	1,544.08	4,546.06	2,245.13	0.31	-0.36	0.508
8.50	-27.02	-19.45	0.00	-1,861.33	0.00	1,861.33	3,083.77	1,541.88	4,529.53	2,236.96	0.35	-0.39	0.507
9.00	-26.89	-19.41	0.00	-1,851.61	0.00	1,851.61	3,079.36	1,539.68	4,513.01	2,228.81	0.39	-0.41	0.505
9.50	-26.76	-19.37	0.00	-1,841.90	0.00	1,841.90	3,074.94	1,537.47	4,496.51	2,220.66	0.43	-0.43	0.504
10.00	-26.63	-19.34	0.00	-1,832.22	0.00	1,832.22	3,070.50	1,535.25	4,480.02	2,212.51	0.48	-0.45	0.503
10.50	-26.51	-19.30	0.00	-1,822.55	0.00	1,822.55	3,066.06	1,533.03	4,463.54	2,204.38	0.53	-0.48	0.502
11.00	-26.38	-19.26	0.00	-1,812.90	0.00	1,812.90	3,061.61	1,530.80	4,447.08	2,196.25	0.58	-0.50	0.500
11.50	-26.25	-19.22	0.00	-1,803.27	0.00	1,803.27	3,057.15	1,528.57	4,430.63	2,188.12	0.63	-0.52	0.499
12.00	-26.12	-19.18	0.00	-1,793.66	0.00	1,793.66	3,052.67	1,526.34	4,414.20	2,180.01	0.69	-0.54	0.498
12.50	-25.99	-19.15	0.00	-1,784.07	0.00	1,784.07	3,048.19	1,524.09	4,397.78	2,171.90	0.75	-0.57	0.496
13.00	-25.87	-19.11	0.00	-1,774.49	0.00	1,774.49	3,043.69	1,521.85	4,381.37	2,163.80	0.81	-0.59	0.495
13.50	-25.74	-19.07	0.00	-1,764.94	0.00	1,764.94	3,039.19	1,519.59	4,364.98	2,155.70	0.87	-0.61	0.494
14.00	-25.61	-19.03	0.00	-1,755.40	0.00	1,755.40	3,034.67	1,517.34	4,348.61	2,147.61	0.94	-0.64	0.492
14.50	-25.49	-19.00	0.00	-1,745.88	0.00	1,745.88	3,030.15	1,515.07	4,332.24	2,139.53	1.00	-0.66	0.491
15.00	-25.36	-18.96	0.00	-1,736.39	0.00	1,736.39	3,025.61	1,512.81	4,315.90	2,131.46	1.07	-0.68	0.490
15.50	-25.23	-18.92	0.00	-1,726.91	0.00	1,726.91	3,021.07	1,510.53	4,299.57	2,123.39	1.15	-0.70	0.488
16.00	-25.11	-18.88	0.00	-1,717.45	0.00	1,717.45	3,016.51	1,508.25	4,283.25	2,115.33	1.22	-0.73	0.487
16.50	-24.98	-18.85	0.00	-1,708.00	0.00	1,708.00	3,011.94	1,505.97	4,266.95	2,107.28	1.30	-0.75	0.486
17.00	-24.85	-18.81	0.00	-1,698.58	0.00	1,698.58	3,007.37	1,503.68	4,250.66	2,099.24	1.38	-0.77	0.484
17.50	-24.73	-18.77	0.00	-1,689.17	0.00	1,689.17	3,002.78	1,501.39	4,234.39	2,091.20	1.46	-0.80	0.483
18.00	-24.60	-18.74	0.00	-1,679.79	0.00	1,679.79	2,998.18	1,499.09	4,218.13	2,083.18	1.55	-0.82	0.482
18.50	-24.48	-18.70	0.00	-1,670.42	0.00	1,670.42	2,993.57	1,496.79	4,201.89	2,075.15	1.63	-0.84	0.480
19.00	-24.35	-18.66	0.00	-1,661.07	0.00	1,661.07	2,988.95	1,494.48	4,185.66	2,067.14	1.72	-0.86	0.479
19.50	-24.23	-18.62	0.00	-1,651.74	0.00	1,651.74	2,984.32	1,492.16	4,169.45	2,059.13	1.81	-0.89	0.478
20.00	-24.10	-18.59	0.00	-1,642.43	0.00	1,642.43	2,979.68	1,489.84	4,153.25	2,051.14	1.91	-0.91	0.476
20.50	-23.98	-18.55	0.00	-1,633.14	0.00	1,633.14	2,975.03	1,487.52	4,137.08	2,043.15	2.00	-0.93	0.475
21.00	-23.85	-18.51	0.00	-1,623.86	0.00	1,623.86	2,970.37	1,485.19	4,120.91	2,035.16	2.10	-0.96	0.474
21.50	-23.73	-18.47	0.00	-1,614.61	0.00	1,614.61	2,965.70	1,482.85	4,104.77	2,027.19	2.21	-0.98	0.472
22.00	-23.60	-18.44	0.00	-1,605.37	0.00	1,605.37	2,961.02	1,480.51	4,088.63	2,019.22	2.31	-1.00	0.471
22.50	-23.48	-18.40	0.00	-1,596.15	0.00	1,596.15	2,956.33	1,478.16	4,072.52	2,011.26	2.42	-1.02	0.469
23.00	-23.36	-18.36	0.00	-1,586.95	0.00	1,586.95	2,951.62	1,475.81	4,056.42	2,003.31	2.52	-1.05	0.468
23.50	-23.23	-18.32	0.00	-1,577.77	0.00	1,577.77	2,946.91	1,473.46	4,040.34	1,995.37	2.64	-1.07	0.467
24.00	-23.11	-18.29	0.00	-1,568.61	0.00	1,568.61	2,942.19	1,471.09	4,024.27	1,987.44	2.75	-1.09	0.465
24.50	-22.98	-18.25	0.00	-1,559.47	0.00	1,559.47	2,937.46	1,468.73	4,008.22	1,979.51	2.86	-1.12	0.464
25.00	-22.86	-18.21	0.00	-1,550.34	0.00	1,550.34	2,932.71	1,466.36	3,992.19	1,971.59	2.98	-1.14	0.463

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	-22.74	-18.18	0.00	-1,541.24	0.00	1,541.24	2,927.96	1,463.98	3,976.18	1,963.68	3.10	-1.16	0.461
26.00	-22.62	-18.14	0.00	-1,532.15	0.00	1,532.15	2,923.19	1,461.60	3,960.18	1,955.78	3.23	-1.18	0.460
26.50	-22.49	-18.10	0.00	-1,523.08	0.00	1,523.08	2,918.42	1,459.21	3,944.20	1,947.89	3.35	-1.21	0.458
27.00	-22.37	-18.06	0.00	-1,514.03	0.00	1,514.03	2,913.63	1,456.82	3,928.23	1,940.01	3.48	-1.23	0.457
27.50	-22.25	-18.03	0.00	-1,505.00	0.00	1,505.00	2,910.08	1,455.04	3,913.96	1,932.96	3.61	-1.25	0.455
28.00	-22.13	-17.99	0.00	-1,495.99	0.00	1,495.99	2,903.11	1,451.55	3,895.11	1,923.65	3.74	-1.28	0.454
28.50	-22.00	-17.95	0.00	-1,486.99	0.00	1,486.99	2,896.13	1,448.07	3,876.32	1,914.37	3.88	-1.30	0.453
29.00	-21.88	-17.91	0.00	-1,478.02	0.00	1,478.02	2,889.16	1,444.58	3,857.57	1,905.11	4.02	-1.32	0.452
29.50	-21.76	-17.88	0.00	-1,469.06	0.00	1,469.06	2,882.19	1,441.09	3,838.86	1,895.87	4.15	-1.35	0.451
30.00	-21.64	-17.84	0.00	-1,460.12	0.00	1,460.12	2,875.21	1,437.61	3,820.20	1,886.65	4.30	-1.37	0.450
30.50	-21.52	-17.80	0.00	-1,451.20	0.00	1,451.20	2,868.24	1,434.12	3,801.59	1,877.46	4.44	-1.39	0.449
31.00	-21.40	-17.77	0.00	-1,442.30	0.00	1,442.30	2,861.26	1,430.63	3,783.02	1,868.29	4.59	-1.41	0.448
31.50	-21.28	-17.73	0.00	-1,433.42	0.00	1,433.42	2,854.29	1,427.15	3,764.50	1,859.14	4.74	-1.44	0.447
32.00	-21.10	-17.69	0.00	-1,424.55	0.00	1,424.55	2,847.32	1,423.66	3,746.02	1,850.02	4.89	-1.46	0.439
32.50	-20.93	-17.65	0.00	-1,415.71	0.00	1,415.71	2,840.34	1,420.17	3,727.58	1,840.91	5.04	-1.48	0.438
33.00	-20.76	-17.61	0.00	-1,406.89	0.00	1,406.89	2,833.37	1,416.69	3,709.20	1,831.83	5.20	-1.51	0.437
33.50	-20.59	-17.57	0.00	-1,398.08	0.00	1,398.08	2,826.40	1,413.20	3,690.85	1,822.77	5.36	-1.53	0.435
34.00	-20.42	-17.52	0.00	-1,389.30	0.00	1,389.30	2,819.42	1,409.71	3,672.56	1,813.74	5.52	-1.55	0.434
34.50	-20.25	-17.48	0.00	-1,380.54	0.00	1,380.54	2,812.45	1,406.22	3,654.31	1,804.72	5.68	-1.57	0.433
35.00	-20.08	-17.44	0.00	-1,371.80	0.00	1,371.80	2,805.48	1,402.74	3,636.10	1,795.73	5.85	-1.60	0.432
35.50	-19.92	-17.41	0.00	-1,363.08	0.00	1,363.08	2,798.50	1,399.25	3,617.94	1,786.76	6.02	-1.62	0.431
35.67	-19.86	-17.39	0.00	-1,360.17	0.00	1,360.17	2,248.07	1,124.03	2,973.91	1,468.70	6.08	-1.63	0.496
36.00	-19.79	-17.36	0.00	-1,354.38	0.00	1,354.38	2,245.83	1,122.91	2,966.06	1,464.83	6.19	-1.64	0.494
36.50	-19.68	-17.33	0.00	-1,345.70	0.00	1,345.70	2,242.46	1,121.23	2,954.30	1,459.02	6.36	-1.66	0.493
36.67	-19.64	-17.31	0.00	-1,342.75	0.00	1,342.75	2,241.31	1,120.65	2,950.31	1,457.05	6.42	-1.67	0.492
36.67	-19.64	-17.31	0.00	-1,342.75	0.00	1,342.75	2,241.31	1,120.65	2,950.31	1,457.05	6.42	-1.67	0.528
37.00	-19.57	-17.28	0.00	-1,337.04	0.00	1,337.04	2,239.08	1,119.54	2,942.55	1,453.22	6.54	-1.69	0.527
37.50	-19.46	-17.24	0.00	-1,328.40	0.00	1,328.40	2,235.69	1,117.84	2,930.81	1,447.42	6.72	-1.71	0.525
38.00	-19.36	-17.20	0.00	-1,319.78	0.00	1,319.78	2,232.29	1,116.14	2,919.08	1,441.62	6.90	-1.74	0.523
38.50	-19.25	-17.16	0.00	-1,311.18	0.00	1,311.18	2,228.88	1,114.44	2,907.36	1,435.83	7.08	-1.77	0.521
39.00	-19.15	-17.12	0.00	-1,302.60	0.00	1,302.60	2,225.46	1,112.73	2,895.64	1,430.05	7.27	-1.79	0.519
39.50	-19.04	-17.08	0.00	-1,294.03	0.00	1,294.03	2,222.03	1,111.01	2,883.93	1,424.27	7.46	-1.82	0.517
40.00	-18.94	-17.04	0.00	-1,285.49	0.00	1,285.49	2,218.59	1,109.29	2,872.23	1,418.49	7.65	-1.84	0.515
40.50	-18.83	-17.00	0.00	-1,276.97	0.00	1,276.97	2,215.14	1,107.57	2,860.55	1,412.72	7.84	-1.87	0.513
41.00	-18.73	-16.96	0.00	-1,268.47	0.00	1,268.47	2,211.67	1,105.84	2,848.87	1,406.95	8.04	-1.89	0.511
41.50	-18.63	-16.92	0.00	-1,259.99	0.00	1,259.99	2,208.20	1,104.10	2,837.20	1,401.18	8.24	-1.92	0.509
42.00	-18.52	-16.88	0.00	-1,251.53	0.00	1,251.53	2,204.72	1,102.36	2,825.53	1,395.42	8.44	-1.95	0.507
42.50	-18.42	-16.84	0.00	-1,243.09	0.00	1,243.09	2,201.23	1,100.61	2,813.88	1,389.67	8.65	-1.97	0.505
43.00	-18.31	-16.80	0.00	-1,234.67	0.00	1,234.67	2,197.72	1,098.86	2,802.24	1,383.92	8.86	-2.00	0.504
43.50	-18.21	-16.76	0.00	-1,226.27	0.00	1,226.27	2,194.21	1,097.10	2,790.61	1,378.18	9.07	-2.02	0.502
44.00	-18.11	-16.72	0.00	-1,217.89	0.00	1,217.89	2,190.68	1,095.34	2,778.98	1,372.44	9.28	-2.05	0.500
44.50	-18.01	-16.68	0.00	-1,209.53	0.00	1,209.53	2,187.15	1,093.57	2,767.37	1,366.70	9.50	-2.07	0.498
45.00	-17.90	-16.63	0.00	-1,201.20	0.00	1,201.20	2,183.60	1,091.80	2,755.77	1,360.97	9.72	-2.10	0.496
45.50	-17.80	-16.59	0.00	-1,192.88	0.00	1,192.88	2,180.05	1,090.02	2,744.17	1,355.24	9.94	-2.13	0.494
46.00	-17.70	-16.55	0.00	-1,184.58	0.00	1,184.58	2,176.48	1,088.24	2,732.59	1,349.52	10.16	-2.15	0.492
46.50	-17.60	-16.51	0.00	-1,176.31	0.00	1,176.31	2,172.91	1,086.45	2,721.02	1,343.81	10.39	-2.18	0.490
47.00	-17.49	-16.47	0.00	-1,168.05	0.00	1,168.05	2,169.32	1,084.66	2,709.45	1,338.10	10.62	-2.20	0.488
47.50	-17.39	-16.43	0.00	-1,159.82	0.00	1,159.82	2,165.72	1,082.86	2,697.90	1,332.39	10.85	-2.23	0.486
48.00	-17.29	-16.38	0.00	-1,151.61	0.00	1,151.61	2,162.11	1,081.06	2,686.36	1,326.69	11.09	-2.25	0.484
48.50	-17.19	-16.34	0.00	-1,143.42	0.00	1,143.42	2,158.50	1,079.25	2,674.83	1,321.00	11.32	-2.28	0.482
49.00	-17.09	-16.30	0.00	-1,135.25	0.00	1,135.25	2,154.87	1,077.43	2,663.31	1,315.31	11.56	-2.30	0.480
49.50	-16.98	-16.26	0.00	-1,127.10	0.00	1,127.10	2,151.23	1,075.61	2,651.80	1,309.62	11.81	-2.33	0.478
50.00	-16.88	-16.21	0.00	-1,118.97	0.00	1,118.97	2,147.58	1,073.79	2,640.30	1,303.95	12.05	-2.36	0.476
50.50	-16.78	-16.17	0.00	-1,110.86	0.00	1,110.86	2,143.92	1,071.96	2,628.81	1,298.27	12.30	-2.38	0.474
51.00	-16.68	-16.13	0.00	-1,102.78	0.00	1,102.78	2,140.25	1,070.13	2,617.34	1,292.60	12.55	-2.41	0.472
51.50	-16.58	-16.09	0.00	-1,094.71	0.00	1,094.71	2,136.57	1,068.29	2,605.87	1,286.94	12.80	-2.43	0.470
52.00	-16.48	-16.04	0.00	-1,086.67	0.00	1,086.67	2,132.88	1,066.44	2,594.42	1,281.29	13.06	-2.46	0.467

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:47 AM

Customer: SPRINT NEXTEL

Load Case: 0.9D + 1.6W

101 mph with No Ice (Reduced DL)

41 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.60

Wind Importance Factor :1.00

52.50	-16.38	-16.00	0.00	-1,078.65	0.00	1,078.65	2,129.18	1,064.59	2,582.98	1,275.64	13.32	-2.48	0.465
53.00	-16.28	-15.96	0.00	-1,070.65	0.00	1,070.65	2,125.47	1,062.73	2,571.55	1,269.99	13.58	-2.51	0.463
53.50	-16.18	-15.91	0.00	-1,062.67	0.00	1,062.67	2,121.75	1,060.87	2,560.13	1,264.35	13.84	-2.53	0.461
54.00	-16.08	-15.87	0.00	-1,054.71	0.00	1,054.71	2,118.01	1,059.01	2,548.72	1,258.72	14.11	-2.56	0.459
54.50	-15.98	-15.83	0.00	-1,046.78	0.00	1,046.78	2,114.27	1,057.14	2,537.32	1,253.09	14.38	-2.58	0.457
55.00	-15.88	-15.78	0.00	-1,038.86	0.00	1,038.86	2,110.52	1,055.26	2,525.94	1,247.47	14.65	-2.61	0.455
55.50	-15.78	-15.74	0.00	-1,030.97	0.00	1,030.97	2,106.75	1,053.38	2,514.57	1,241.85	14.93	-2.63	0.453
56.00	-15.68	-15.70	0.00	-1,023.10	0.00	1,023.10	2,102.98	1,051.49	2,503.21	1,236.24	15.20	-2.66	0.451
56.50	-15.58	-15.65	0.00	-1,015.25	0.00	1,015.25	2,099.20	1,049.60	2,491.86	1,230.64	15.48	-2.68	0.449
57.00	-15.49	-15.61	0.00	-1,007.42	0.00	1,007.42	2,095.40	1,047.70	2,480.53	1,225.04	15.77	-2.71	0.447
57.50	-15.39	-15.57	0.00	-999.62	0.00	999.62	2,091.60	1,045.80	2,469.21	1,219.45	16.05	-2.74	0.445
58.00	-15.29	-15.52	0.00	-991.83	0.00	991.83	2,087.78	1,043.89	2,457.90	1,213.86	16.34	-2.76	0.443
58.50	-15.19	-15.48	0.00	-984.07	0.00	984.07	2,083.96	1,041.98	2,446.60	1,208.28	16.63	-2.79	0.441
59.00	-15.09	-15.44	0.00	-976.33	0.00	976.33	2,080.12	1,040.06	2,435.32	1,202.71	16.92	-2.81	0.439
59.50	-14.99	-15.39	0.00	-968.62	0.00	968.62	2,076.27	1,038.14	2,424.04	1,197.14	17.22	-2.84	0.437
60.00	-14.90	-15.35	0.00	-960.92	0.00	960.92	2,072.41	1,036.21	2,412.79	1,191.58	17.52	-2.86	0.435
60.50	-14.80	-15.30	0.00	-953.25	0.00	953.25	2,068.55	1,034.27	2,401.54	1,186.03	17.82	-2.89	0.432
61.00	-14.70	-15.26	0.00	-945.60	0.00	945.60	2,064.67	1,032.33	2,390.31	1,180.48	18.12	-2.91	0.430
61.50	-14.60	-15.21	0.00	-937.97	0.00	937.97	2,060.78	1,030.39	2,379.09	1,174.94	18.43	-2.94	0.428
62.00	-14.51	-15.17	0.00	-930.36	0.00	930.36	2,056.88	1,028.44	2,367.88	1,169.41	18.74	-2.96	0.426
62.50	-14.41	-15.13	0.00	-922.77	0.00	922.77	2,052.97	1,026.49	2,356.69	1,163.88	19.05	-2.99	0.424
63.00	-14.31	-15.08	0.00	-915.21	0.00	915.21	2,049.05	1,024.53	2,345.51	1,158.36	19.36	-3.01	0.422
63.50	-14.22	-15.04	0.00	-907.67	0.00	907.67	2,045.12	1,022.56	2,334.35	1,152.85	19.68	-3.03	0.420
64.00	-14.12	-14.99	0.00	-900.15	0.00	900.15	2,041.18	1,020.59	2,323.20	1,147.34	20.00	-3.06	0.418
64.50	-14.02	-14.95	0.00	-892.66	0.00	892.66	2,037.23	1,018.62	2,312.06	1,141.84	20.32	-3.08	0.416
65.00	-13.93	-14.90	0.00	-885.18	0.00	885.18	2,033.27	1,016.64	2,300.94	1,136.35	20.64	-3.11	0.413
65.50	-13.83	-14.86	0.00	-877.73	0.00	877.73	2,029.30	1,014.65	2,289.83	1,130.86	20.97	-3.13	0.411
66.00	-13.74	-14.81	0.00	-870.30	0.00	870.30	2,025.32	1,012.66	2,278.74	1,125.38	21.30	-3.16	0.409
66.50	-13.64	-14.77	0.00	-862.90	0.00	862.90	2,021.33	1,010.66	2,267.65	1,119.91	21.63	-3.18	0.407
67.00	-13.54	-14.72	0.00	-855.51	0.00	855.51	2,016.97	1,008.48	2,256.19	1,114.25	21.97	-3.21	0.405
67.50	-13.45	-14.68	0.00	-848.15	0.00	848.15	2,011.16	1,005.58	2,243.13	1,107.80	22.30	-3.23	0.403
68.00	-13.35	-14.63	0.00	-840.81	0.00	840.81	2,005.34	1,002.67	2,230.12	1,101.37	22.64	-3.26	0.401
68.50	-13.26	-14.59	0.00	-833.50	0.00	833.50	1,999.53	999.77	2,217.14	1,094.96	22.99	-3.28	0.400
69.00	-13.16	-14.54	0.00	-826.20	0.00	826.20	1,993.72	996.86	2,204.19	1,088.57	23.33	-3.31	0.398
69.50	-13.07	-14.50	0.00	-818.93	0.00	818.93	1,987.91	993.96	2,191.29	1,082.20	23.68	-3.33	0.396
70.00	-12.98	-14.45	0.00	-811.68	0.00	811.68	1,982.10	991.05	2,178.42	1,075.84	24.03	-3.35	0.394
70.50	-12.85	-14.40	0.00	-804.46	0.00	804.46	1,976.29	988.14	2,165.59	1,069.51	24.38	-3.38	0.386
71.00	-12.72	-14.36	0.00	-797.25	0.00	797.25	1,970.48	985.24	2,152.80	1,063.19	24.74	-3.40	0.384
71.50	-12.59	-14.31	0.00	-790.08	0.00	790.08	1,964.67	982.33	2,140.05	1,056.89	25.09	-3.43	0.382
72.00	-12.47	-14.26	0.00	-782.92	0.00	782.92	1,958.85	979.43	2,127.34	1,050.61	25.45	-3.45	0.380
72.50	-12.34	-14.21	0.00	-775.79	0.00	775.79	1,953.04	976.52	2,114.66	1,044.35	25.82	-3.47	0.378
73.00	-12.21	-14.17	0.00	-768.69	0.00	768.69	1,947.23	973.62	2,102.02	1,038.11	26.18	-3.50	0.377
73.33	-12.13	-14.14	0.00	-764.01	0.00	764.01	1,943.40	971.70	2,093.70	1,034.00	26.42	-3.51	0.375
73.33	-12.13	-14.14	0.00	-764.01	0.00	764.01	1,943.40	971.70	2,093.70	1,034.00	26.42	-3.51	0.410
73.50	-12.09	-14.11	0.00	-761.61	0.00	761.61	1,473.96	736.98	1,624.57	802.32	26.55	-3.52	0.489
74.00	-12.01	-14.07	0.00	-754.55	0.00	754.55	1,471.41	735.71	1,616.97	798.56	26.92	-3.55	0.486
74.50	-11.93	-14.02	0.00	-747.52	0.00	747.52	1,468.85	734.43	1,609.36	794.80	27.29	-3.57	0.482
75.00	-11.85	-13.98	0.00	-740.50	0.00	740.50	1,466.28	733.14	1,601.77	791.05	27.67	-3.60	0.479
75.50	-11.77	-13.94	0.00	-733.51	0.00	733.51	1,463.70	731.85	1,594.18	787.30	28.05	-3.63	0.476
76.00	-11.69	-13.89	0.00	-726.55	0.00	726.55	1,461.11	730.55	1,586.59	783.56	28.43	-3.66	0.473
76.50	-11.61	-13.85	0.00	-719.60	0.00	719.60	1,458.51	729.25	1,579.01	779.81	28.81	-3.69	0.470
77.00	-11.53	-13.80	0.00	-712.68	0.00	712.68	1,455.89	727.95	1,571.44	776.07	29.20	-3.71	0.467
77.50	-11.45	-13.76	0.00	-705.78	0.00	705.78	1,453.27	726.64	1,563.87	772.34	29.59	-3.74	0.464
78.00	-11.37	-13.71	0.00	-698.90	0.00	698.90	1,450.64	725.32	1,556.31	768.60	29.98	-3.77	0.461
78.50	-11.29	-13.67	0.00	-692.04	0.00	692.04	1,447.99	724.00	1,548.75	764.87	30.38	-3.80	0.458
79.00	-11.21	-13.62	0.00	-685.21	0.00	685.21	1,445.34	722.67	1,541.20	761.14	30.78	-3.82	0.455
79.50	-11.13	-13.58	0.00	-678.40	0.00	678.40	1,442.68	721.34	1,533.65	757.41	31.18	-3.85	0.452

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number:OAA712589_C3_02

9/21/2017 9:05:47 AM

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	-11.05	-13.53	0.00	-671.61	0.00	671.61	1,440.00	720.00	1,526.12	753.69	31.58	-3.88	0.449
80.50	-10.97	-13.48	0.00	-664.85	0.00	664.85	1,437.32	718.66	1,518.59	749.97	31.99	-3.90	0.446
81.00	-10.89	-13.44	0.00	-658.11	0.00	658.11	1,434.62	717.31	1,511.06	746.26	32.40	-3.93	0.443
81.50	-10.81	-13.39	0.00	-651.39	0.00	651.39	1,431.91	715.96	1,503.54	742.54	32.81	-3.96	0.439
82.00	-10.73	-13.35	0.00	-644.69	0.00	644.69	1,429.20	714.60	1,496.03	738.83	33.23	-3.98	0.436
82.50	-10.66	-13.30	0.00	-638.02	0.00	638.02	1,426.47	713.23	1,488.53	735.13	33.65	-4.01	0.433
83.00	-10.58	-13.26	0.00	-631.36	0.00	631.36	1,423.73	711.87	1,481.03	731.43	34.07	-4.04	0.430
83.50	-10.50	-13.21	0.00	-624.73	0.00	624.73	1,420.98	710.49	1,473.54	727.73	34.49	-4.07	0.427
84.00	-10.42	-13.17	0.00	-618.13	0.00	618.13	1,418.23	709.11	1,466.06	724.03	34.92	-4.09	0.424
84.50	-10.34	-13.12	0.00	-611.54	0.00	611.54	1,415.46	707.73	1,458.58	720.34	35.35	-4.12	0.421
85.00	-10.27	-13.08	0.00	-604.98	0.00	604.98	1,412.68	706.34	1,451.11	716.65	35.78	-4.14	0.418
85.50	-10.19	-13.03	0.00	-598.44	0.00	598.44	1,409.89	704.94	1,443.65	712.97	36.22	-4.17	0.415
86.00	-10.11	-12.99	0.00	-591.93	0.00	591.93	1,407.09	703.54	1,436.20	709.28	36.66	-4.20	0.411
86.50	-10.04	-12.94	0.00	-585.43	0.00	585.43	1,404.28	702.14	1,428.75	705.61	37.10	-4.22	0.408
87.00	-9.96	-12.90	0.00	-578.96	0.00	578.96	1,401.46	700.73	1,421.32	701.93	37.54	-4.25	0.405
87.50	-9.88	-12.85	0.00	-572.51	0.00	572.51	1,398.63	699.31	1,413.89	698.26	37.99	-4.28	0.402
88.00	-9.80	-12.81	0.00	-566.09	0.00	566.09	1,395.79	697.89	1,406.46	694.60	38.44	-4.30	0.399
88.50	-9.73	-12.76	0.00	-559.69	0.00	559.69	1,392.93	696.47	1,399.05	690.94	38.89	-4.33	0.396
89.00	-9.65	-12.71	0.00	-553.31	0.00	553.31	1,390.07	695.04	1,391.64	687.28	39.34	-4.35	0.392
89.50	-9.58	-12.67	0.00	-546.95	0.00	546.95	1,387.20	693.60	1,384.25	683.63	39.80	-4.38	0.389
90.00	-9.50	-12.62	0.00	-540.61	0.00	540.61	1,384.32	692.16	1,376.86	679.98	40.26	-4.40	0.386
90.50	-9.42	-12.58	0.00	-534.30	0.00	534.30	1,381.42	690.71	1,369.48	676.33	40.72	-4.43	0.383
91.00	-9.35	-12.53	0.00	-528.01	0.00	528.01	1,378.52	689.26	1,362.10	672.69	41.19	-4.45	0.380
91.50	-9.27	-12.49	0.00	-521.75	0.00	521.75	1,375.61	687.80	1,354.74	669.06	41.65	-4.48	0.377
92.00	-9.20	-12.44	0.00	-515.50	0.00	515.50	1,372.68	686.34	1,347.39	665.42	42.12	-4.50	0.373
92.50	-9.12	-12.40	0.00	-509.28	0.00	509.28	1,369.75	684.87	1,340.04	661.80	42.60	-4.53	0.370
93.00	-9.05	-12.35	0.00	-503.08	0.00	503.08	1,366.80	683.40	1,332.70	658.17	43.07	-4.55	0.367
93.50	-8.97	-12.31	0.00	-496.91	0.00	496.91	1,363.85	681.92	1,325.38	654.55	43.55	-4.58	0.364
94.00	-8.90	-12.26	0.00	-490.75	0.00	490.75	1,360.88	680.44	1,318.06	650.94	44.03	-4.60	0.360
94.50	-8.82	-12.22	0.00	-484.62	0.00	484.62	1,357.90	678.95	1,310.75	647.33	44.51	-4.63	0.357
95.00	-8.75	-12.17	0.00	-478.52	0.00	478.52	1,354.92	677.46	1,303.45	643.72	45.00	-4.65	0.354
95.50	-8.67	-12.12	0.00	-472.43	0.00	472.43	1,351.92	675.96	1,296.16	640.12	45.49	-4.68	0.351
96.00	-8.60	-12.08	0.00	-466.37	0.00	466.37	1,348.91	674.46	1,288.88	636.53	45.98	-4.70	0.347
96.50	-8.53	-12.03	0.00	-460.33	0.00	460.33	1,345.89	672.95	1,281.61	632.94	46.47	-4.73	0.344
97.00	-8.45	-11.99	0.00	-454.31	0.00	454.31	1,342.86	671.43	1,274.35	629.35	46.97	-4.75	0.341
97.50	-8.38	-11.94	0.00	-448.32	0.00	448.32	1,339.82	669.91	1,267.09	625.77	47.47	-4.77	0.338
98.00	-8.30	-11.90	0.00	-442.34	0.00	442.34	1,336.78	668.39	1,259.85	622.19	47.97	-4.80	0.334
98.50	-8.23	-11.85	0.00	-436.40	0.00	436.40	1,333.72	666.86	1,252.62	618.62	48.47	-4.82	0.331
99.00	-8.16	-11.81	0.00	-430.47	0.00	430.47	1,330.65	665.32	1,245.40	615.06	48.98	-4.84	0.328
99.50	-8.09	-11.76	0.00	-424.57	0.00	424.57	1,327.57	663.78	1,238.19	611.50	49.48	-4.87	0.325
100.00	-8.01	-11.72	0.00	-418.68	0.00	418.68	1,324.47	662.24	1,230.99	607.94	49.99	-4.89	0.321
100.50	-7.94	-11.67	0.00	-412.83	0.00	412.83	1,321.37	660.69	1,223.80	604.39	50.51	-4.91	0.318
101.00	-7.87	-11.63	0.00	-406.99	0.00	406.99	1,318.26	659.13	1,216.62	600.84	51.02	-4.94	0.315
101.50	-7.79	-11.58	0.00	-401.18	0.00	401.18	1,315.14	657.57	1,209.45	597.30	51.54	-4.96	0.311
102.00	-7.72	-11.54	0.00	-395.39	0.00	395.39	1,312.01	656.00	1,202.30	593.77	52.06	-4.98	0.308
102.50	-7.65	-11.49	0.00	-389.62	0.00	389.62	1,308.86	654.43	1,195.15	590.24	52.58	-5.00	0.305
103.00	-7.58	-11.45	0.00	-383.87	0.00	383.87	1,305.71	652.86	1,188.02	586.72	53.11	-5.03	0.301
103.50	-7.51	-11.40	0.00	-378.15	0.00	378.15	1,302.55	651.27	1,180.89	583.20	53.63	-5.05	0.298
104.00	-7.43	-11.36	0.00	-372.45	0.00	372.45	1,299.37	649.69	1,173.78	579.69	54.16	-5.07	0.295
104.50	-7.36	-11.31	0.00	-366.77	0.00	366.77	1,296.19	648.09	1,166.68	576.18	54.70	-5.09	0.291
105.00	-7.29	-11.27	0.00	-361.11	0.00	361.11	1,292.99	646.50	1,159.59	572.68	55.23	-5.11	0.288
105.50	-7.22	-11.22	0.00	-355.48	0.00	355.48	1,288.98	644.49	1,151.78	568.82	55.77	-5.14	0.285
106.00	-7.15	-11.18	0.00	-349.87	0.00	349.87	1,284.33	642.16	1,143.44	564.70	56.31	-5.16	0.281
106.50	-7.08	-11.13	0.00	-344.28	0.00	344.28	1,279.68	639.84	1,135.13	560.60	56.85	-5.18	0.278
107.00	-7.01	-11.09	0.00	-338.72	0.00	338.72	1,275.03	637.51	1,126.85	556.51	57.39	-5.20	0.275
107.50	-6.94	-11.04	0.00	-333.17	0.00	333.17	1,270.38	635.19	1,118.60	552.44	57.93	-5.22	0.272
108.00	-6.87	-11.00	0.00	-327.65	0.00	327.65	1,265.73	632.87	1,110.38	548.38	58.48	-5.24	0.269

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	-6.80	-10.95	0.00	-322.15	0.00	322.15	1,261.08	630.54	1,102.19	544.33	59.03	-5.26	0.266
109.00	-6.73	-10.91	0.00	-316.68	0.00	316.68	1,256.43	628.22	1,094.04	540.30	59.58	-5.28	0.263
109.50	-6.66	-10.86	0.00	-311.23	0.00	311.23	1,251.78	625.89	1,085.91	536.29	60.14	-5.30	0.259
110.00	-6.59	-10.82	0.00	-305.80	0.00	305.80	1,247.14	623.57	1,077.81	532.29	60.69	-5.32	0.256
110.50	-6.53	-10.77	0.00	-300.39	0.00	300.39	853.24	426.62	741.79	366.34	60.69	-5.32	0.000
111.00	-6.47	-10.73	0.00	-295.00	0.00	295.00	851.46	425.73	737.46	364.21	61.25	-5.34	0.357
111.50	-6.41	-10.69	0.00	-289.63	0.00	289.63	849.67	424.84	733.15	362.07	61.81	-5.37	0.352
112.00	-6.35	-10.65	0.00	-284.29	0.00	284.29	847.87	423.94	728.83	359.94	62.37	-5.39	0.347
112.50	-6.29	-10.60	0.00	-278.96	0.00	278.96	846.07	423.03	724.52	357.81	62.94	-5.42	0.341
113.00	-6.24	-10.56	0.00	-273.66	0.00	273.66	844.25	422.12	720.21	355.68	63.51	-5.44	0.336
113.50	-6.18	-10.52	0.00	-268.38	0.00	268.38	842.42	421.21	715.90	353.56	64.08	-5.47	0.331
114.00	-6.12	-10.48	0.00	-263.12	0.00	263.12	840.58	420.29	711.60	351.43	64.65	-5.49	0.326
114.50	-6.06	-10.43	0.00	-257.89	0.00	257.89	838.73	419.36	707.30	349.31	65.23	-5.52	0.321
115.00	-6.01	-10.39	0.00	-252.67	0.00	252.67	836.87	418.43	703.00	347.19	65.81	-5.54	0.315
115.50	-5.95	-10.35	0.00	-247.48	0.00	247.48	834.99	417.50	698.71	345.06	66.39	-5.56	0.310
116.00	-5.89	-10.31	0.00	-242.30	0.00	242.30	833.11	416.56	694.42	342.95	66.97	-5.59	0.305
116.50	-5.84	-10.26	0.00	-237.15	0.00	237.15	831.22	415.61	690.13	340.83	67.56	-5.61	0.299
116.50	-5.84	-10.26	0.00	-237.15	0.00	237.15	829.32	414.66	685.85	338.71	68.14	-5.63	0.294
117.00	-5.80	-10.22	0.00	-232.02	0.00	232.02	827.41	413.70	681.57	336.60	68.73	-5.65	0.697
117.50	-5.76	-10.19	0.00	-226.91	0.00	226.91	825.48	412.74	677.29	334.49	69.33	-5.71	0.686
118.00	-5.72	-10.15	0.00	-221.81	0.00	221.81	823.55	411.77	673.02	332.38	69.93	-5.76	0.675
118.50	-5.68	-10.11	0.00	-216.74	0.00	216.74	821.61	410.80	668.75	330.27	70.53	-5.81	0.664
119.00	-5.64	-10.08	0.00	-211.68	0.00	211.68	819.65	409.83	664.49	328.17	71.14	-5.86	0.653
119.50	-5.61	-10.04	0.00	-206.64	0.00	206.64	817.69	408.84	660.23	326.06	71.76	-5.91	0.641
120.00	-5.57	-10.00	0.00	-201.62	0.00	201.62	815.71	407.86	655.98	323.96	72.38	-5.96	0.630
120.50	-5.53	-9.96	0.00	-196.62	0.00	196.62	813.73	406.86	651.73	321.87	73.01	-6.01	0.618
121.00	-5.49	-9.93	0.00	-191.64	0.00	191.64	811.73	405.86	647.49	319.77	73.64	-6.06	0.607
121.50	-5.46	-9.89	0.00	-186.68	0.00	186.68	809.72	404.86	643.25	317.68	74.27	-6.11	0.595
122.00	-5.42	-9.85	0.00	-181.73	0.00	181.73	807.71	403.85	639.01	315.58	74.92	-6.16	0.583
122.50	-5.38	-9.82	0.00	-176.80	0.00	176.80	805.68	402.84	634.78	313.49	75.56	-6.20	0.571
123.00	-5.34	-9.78	0.00	-171.90	0.00	171.90	803.64	401.82	630.56	311.41	76.21	-6.25	0.559
123.50	-5.31	-9.74	0.00	-167.01	0.00	167.01	801.59	400.80	626.34	309.32	76.87	-6.30	0.547
124.00	-5.27	-9.71	0.00	-162.14	0.00	162.14	799.54	399.77	622.12	307.24	77.53	-6.34	0.535
124.50	-5.24	-9.67	0.00	-157.28	0.00	157.28	797.47	398.73	617.91	305.16	78.20	-6.38	0.523
125.00	-5.20	-9.63	0.00	-152.45	0.00	152.45	795.39	397.69	613.71	303.09	78.87	-6.43	0.510
125.50	-5.17	-9.59	0.00	-147.63	0.00	147.63	793.30	396.65	609.51	301.01	79.54	-6.47	0.498
126.00	-5.13	-9.56	0.00	-142.84	0.00	142.84	791.20	395.60	605.32	298.94	80.22	-6.51	0.485
126.50	-5.10	-9.52	0.00	-138.06	0.00	138.06	789.09	394.54	601.13	296.88	80.90	-6.55	0.472
127.00	-5.06	-9.48	0.00	-133.30	0.00	133.30	786.97	393.48	596.95	294.81	81.59	-6.59	0.459
127.50	-5.03	-9.45	0.00	-128.56	0.00	128.56	784.84	392.42	592.78	292.75	82.28	-6.63	0.446
128.00	-4.99	-9.41	0.00	-123.83	0.00	123.83	782.69	391.35	588.61	290.69	82.97	-6.67	0.433
128.50	-4.96	-9.37	0.00	-119.13	0.00	119.13	780.54	390.27	584.44	288.64	83.67	-6.70	0.420
129.00	-4.93	-9.33	0.00	-114.44	0.00	114.44	778.38	389.19	580.29	286.58	84.37	-6.74	0.406
129.50	-4.89	-9.30	0.00	-109.78	0.00	109.78	776.21	388.10	576.14	284.53	85.08	-6.77	0.393
130.00	-4.86	-9.26	0.00	-105.13	0.00	105.13	774.02	387.01	572.00	282.49	85.79	-6.81	0.379
130.50	-4.83	-9.22	0.00	-100.50	0.00	100.50	771.83	385.91	567.86	280.44	86.50	-6.84	0.365
131.00	-2.90	-5.49	0.00	-95.89	0.00	95.89	769.63	384.81	563.73	278.40	87.22	-6.87	0.348
131.50	-2.87	-5.45	0.00	-93.14	0.00	93.14	767.41	383.71	559.60	276.37	87.94	-6.90	0.341
132.00	-2.84	-5.41	0.00	-90.42	0.00	90.42	765.19	382.59	555.49	274.33	88.66	-6.93	0.334
132.50	-2.82	-5.37	0.00	-87.71	0.00	87.71	762.95	381.48	551.38	272.31	89.39	-6.96	0.326
133.00	-2.79	-5.34	0.00	-85.03	0.00	85.03	760.71	380.35	547.28	270.28	90.12	-6.99	0.318
133.50	-2.77	-5.30	0.00	-82.36	0.00	82.36	758.45	379.23	543.18	268.26	90.85	-7.02	0.311
134.00	-2.74	-5.26	0.00	-79.71	0.00	79.71	756.18	378.09	539.09	266.24	91.59	-7.05	0.303
134.50	-2.72	-5.23	0.00	-77.08	0.00	77.08	753.91	376.95	535.01	264.22	92.32	-7.08	0.296
135.00	-2.69	-5.19	0.00	-74.46	0.00	74.46	751.62	375.81	530.94	262.21	93.07	-7.11	0.288
135.50	-2.67	-5.15	0.00	-71.87	0.00	71.87	749.32	374.66	526.87	260.20	93.81	-7.13	0.280

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	-2.64	-5.11	0.00	-69.29	0.00	69.29	747.01	373.51	522.82	258.20	94.56	-7.16	0.272
136.50	-2.62	-5.08	0.00	-66.74	0.00	66.74	744.70	372.35	518.77	256.20	95.31	-7.18	0.264
137.00	-2.59	-5.04	0.00	-64.20	0.00	64.20	742.37	371.18	514.72	254.20	96.06	-7.21	0.256
137.50	-2.57	-5.00	0.00	-61.68	0.00	61.68	740.03	370.01	510.69	252.21	96.81	-7.23	0.248
138.00	-2.54	-4.97	0.00	-59.18	0.00	59.18	737.68	368.84	506.66	250.22	97.57	-7.26	0.240
138.50	-2.52	-4.93	0.00	-56.69	0.00	56.69	735.32	367.66	502.65	248.24	98.33	-7.28	0.232
139.00	-2.50	-4.90	0.00	-54.23	0.00	54.23	732.95	366.47	498.64	246.26	99.09	-7.30	0.224
139.50	-2.47	-4.86	0.00	-51.78	0.00	51.78	730.57	365.28	494.64	244.28	99.85	-7.32	0.216
140.00	-2.45	-4.82	0.00	-49.35	0.00	49.35	728.18	364.09	490.64	242.31	100.62	-7.35	0.207
140.50	-2.42	-4.79	0.00	-46.94	0.00	46.94	725.44	362.72	486.44	240.23	101.39	-7.37	0.199
141.00	-2.40	-4.26	0.00	-44.54	0.00	44.54	721.95	360.98	481.74	237.92	102.16	-7.38	0.191
141.50	-2.38	-4.22	0.00	-42.41	0.00	42.41	718.47	359.23	477.08	235.61	102.93	-7.40	0.183
142.00	-2.36	-4.19	0.00	-40.30	0.00	40.30	714.98	357.49	472.43	233.32	103.71	-7.42	0.176
142.50	-2.34	-4.15	0.00	-38.21	0.00	38.21	711.49	355.75	467.81	231.03	104.48	-7.44	0.169
143.00	-2.32	-4.12	0.00	-36.13	0.00	36.13	708.01	354.00	463.21	228.76	105.26	-7.46	0.161
143.50	-2.30	-4.08	0.00	-34.07	0.00	34.07	704.52	352.26	458.63	226.50	106.04	-7.47	0.154
144.00	-2.28	-4.05	0.00	-32.03	0.00	32.03	701.03	350.52	454.07	224.25	106.82	-7.49	0.146
144.50	-2.26	-4.01	0.00	-30.01	0.00	30.01	697.55	348.77	449.54	222.01	107.60	-7.50	0.139
145.00	-2.24	-3.98	0.00	-28.00	0.00	28.00	694.06	347.03	445.03	219.78	108.39	-7.52	0.131
145.50	-2.22	-3.94	0.00	-26.01	0.00	26.01	690.57	345.29	440.55	217.57	109.17	-7.53	0.123
146.00	-2.20	-3.91	0.00	-24.04	0.00	24.04	687.09	343.54	436.08	215.36	109.96	-7.54	0.115
146.50	-2.18	-3.87	0.00	-22.09	0.00	22.09	683.60	341.80	431.64	213.17	110.75	-7.55	0.107
147.00	-2.16	-3.84	0.00	-20.15	0.00	20.15	680.11	340.06	427.22	210.99	111.54	-7.56	0.099
147.50	-2.14	-3.80	0.00	-18.23	0.00	18.23	676.63	338.31	422.83	208.82	112.33	-7.57	0.091
148.00	-2.12	-3.77	0.00	-16.33	0.00	16.33	673.14	336.57	418.45	206.66	113.12	-7.58	0.082
148.50	-2.10	-3.74	0.00	-14.44	0.00	14.44	669.65	334.83	414.10	204.51	113.91	-7.59	0.074
149.00	-2.08	-3.70	0.00	-12.58	0.00	12.58	666.16	333.08	409.78	202.37	114.71	-7.60	0.065
149.50	-2.07	-3.67	0.00	-10.72	0.00	10.72	662.68	331.34	405.47	200.25	115.50	-7.60	0.057
150.00	0.00	-3.36	0.00	-8.89	0.00	8.89	659.19	329.60	401.19	198.13	116.29	-7.61	0.045

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:05:48 AM

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	98.0	9.3	217.6	0.0	0.0
9.00		9.3	119.6					0.0	98.2	9.3	217.7	0.0	0.0
9.50		9.3	119.5					0.0	98.3	9.3	217.8	0.0	0.0
10.00		9.3	119.4					0.0	98.4	9.3	217.8	0.0	0.0
10.50		9.3	119.3					0.0	98.6	9.3	217.9	0.0	0.0
11.00		9.3	119.2					0.0	98.7	9.3	217.9	0.0	0.0
11.50		9.3	119.1					0.0	98.8	9.3	217.9	0.0	0.0
12.00		9.2	119.0					0.0	98.9	9.2	217.9	0.0	0.0
12.50		9.2	118.8					0.0	99.1	9.2	217.9	0.0	0.0
13.00		9.2	118.7					0.0	99.2	9.2	217.9	0.0	0.0
13.50		9.2	118.6					0.0	99.3	9.2	217.9	0.0	0.0
14.00		9.2	118.4					0.0	99.4	9.2	217.8	0.0	0.0
14.50		9.2	118.3					0.0	99.5	9.2	217.8	0.0	0.0
15.00		9.1	118.2					0.0	99.6	9.1	217.7	0.0	0.0
15.50		9.1	118.0					0.0	99.7	9.1	217.7	0.0	0.0
16.00		9.1	117.8					0.0	99.7	9.1	217.6	0.0	0.0
16.50		9.1	117.7					0.0	99.8	9.1	217.5	0.0	0.0
17.00		9.1	117.5					0.0	99.9	9.1	217.5	0.0	0.0
17.50		9.1	117.4					0.0	100.0	9.1	217.4	0.0	0.0
18.00		9.0	117.2					0.0	100.1	9.0	217.3	0.0	0.0
18.50		9.0	117.0					0.0	100.2	9.0	217.2	0.0	0.0
19.00		9.0	116.9					0.0	100.2	9.0	217.1	0.0	0.0
19.50		9.0	116.7					0.0	100.3	9.0	217.0	0.0	0.0
20.00		9.0	116.5					0.0	100.4	9.0	216.9	0.0	0.0
20.50		8.9	116.3					0.0	100.5	8.9	216.8	0.0	0.0
21.00		8.9	116.1					0.0	100.5	8.9	216.7	0.0	0.0
21.50		8.9	116.0					0.0	100.6	8.9	216.6	0.0	0.0
22.00		8.9	115.8					0.0	100.7	8.9	216.4	0.0	0.0
22.50		8.9	115.6					0.0	100.7	8.9	216.3	0.0	0.0
23.00		8.9	115.4					0.0	100.8	8.9	216.2	0.0	0.0
23.50		8.8	115.2					0.0	100.9	8.8	216.1	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:08:01 AM

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		Ice Importance Factor :1.00			
Dead Load Factor :1.20									
Wind Load Factor :1.00									
24.00	8.8	115.0	0.0	100.9	8.8	215.9	0.0	0.0	0.0
24.50	8.8	114.8	0.0	101.0	8.8	215.8	0.0	0.0	0.0
25.00	8.8	114.6	0.0	101.1	8.8	215.7	0.0	0.0	0.0
25.50	8.8	114.4	0.0	101.1	8.8	215.5	0.0	0.0	0.0
26.00	8.8	114.2	0.0	101.2	8.8	215.4	0.0	0.0	0.0
26.50	8.7	114.0	0.0	101.2	8.7	215.2	0.0	0.0	0.0
27.00	8.7	113.8	0.0	101.3	8.7	215.1	0.0	0.0	0.0
27.50	8.7	113.6	0.0	101.3	8.7	214.9	0.0	0.0	0.0
28.00	8.7	113.4	0.0	101.4	8.7	214.8	0.0	0.0	0.0
28.50	8.7	113.2	0.0	101.5	8.7	214.6	0.0	0.0	0.0
29.00	8.7	113.0	0.0	101.5	8.7	214.5	0.0	0.0	0.0
29.50	8.6	112.8	0.0	101.6	8.6	214.3	0.0	0.0	0.0
30.00	8.6	112.6	0.0	101.6	8.6	214.2	0.0	0.0	0.0
30.50	8.6	112.4	0.0	101.7	8.6	214.0	0.0	0.0	0.0
31.00	8.7	112.1	0.0	101.7	8.7	213.8	0.0	0.0	0.0
31.50	Bot - Section 2	8.8	111.9	0.0	101.7	8.8	213.7	0.0	0.0
32.00		8.9	179.6	0.0	101.8	8.9	281.4	0.0	0.0
32.50		8.9	179.2	0.0	101.9	8.9	281.0	0.0	0.0
33.00		8.9	178.8	0.0	101.9	8.9	280.7	0.0	0.0
33.50		8.9	178.4	0.0	102.0	8.9	280.4	0.0	0.0
34.00		8.9	178.0	0.0	102.0	8.9	280.0	0.0	0.0
34.50		9.0	177.6	0.0	102.0	9.0	279.7	0.0	0.0
35.00		9.0	177.3	0.0	102.1	9.0	279.3	0.0	0.0
35.50		6.0	176.9	0.0	102.1	6.0	279.0	0.0	0.0
35.87	Top - Section 1	4.5	58.9	0.0	34.0	4.5	92.9	0.0	0.0
36.00		7.5	66.1	0.0	66.1	7.5	134.2	0.0	0.0
36.50		6.0	98.9	0.0	102.2	6.0	201.1	0.0	0.0
36.67	Reinf. Top Reinf	4.5	33.6	0.0	34.8	4.5	68.4	0.0	0.0
37.00		7.5	65.1	0.0	62.4	7.5	127.6	0.0	0.0
37.50		9.1	98.5	0.0	94.7	9.1	193.2	0.0	0.0
38.00		9.1	98.3	0.0	94.7	9.1	193.0	0.0	0.0
38.50		9.1	98.1	0.0	94.7	9.1	192.9	0.0	0.0
39.00		9.1	97.9	0.0	94.8	9.1	192.7	0.0	0.0
39.50		9.1	97.7	0.0	94.8	9.1	192.6	0.0	0.0
40.00		9.1	97.5	0.0	94.9	9.1	192.4	0.0	0.0
40.50		9.1	97.3	0.0	94.9	9.1	192.2	0.0	0.0
41.00		9.2	97.1	0.0	94.9	9.2	192.1	0.0	0.0
41.50		9.2	97.0	0.0	95.0	9.2	191.9	0.0	0.0
42.00		9.2	96.8	0.0	95.0	9.2	191.8	0.0	0.0
42.50		9.2	96.6	0.0	95.1	9.2	191.6	0.0	0.0
43.00		9.2	96.4	0.0	95.1	9.2	191.4	0.0	0.0
43.50		9.2	96.2	0.0	95.1	9.2	191.3	0.0	0.0
44.00		9.2	96.0	0.0	95.2	9.2	191.1	0.0	0.0
44.50		9.2	95.8	0.0	95.2	9.2	191.0	0.0	0.0
45.00		9.2	95.6	0.0	95.2	9.2	190.8	0.0	0.0
45.50		9.3	95.4	0.0	95.3	9.3	190.6	0.0	0.0
46.00		9.3	95.2	0.0	95.3	9.3	190.5	0.0	0.0
46.50		9.3	94.9	0.0	95.3	9.3	190.3	0.0	0.0
47.00		9.3	94.7	0.0	95.4	9.3	190.1	0.0	0.0
47.50		9.3	94.5	0.0	95.4	9.3	190.0	0.0	0.0
48.00		9.3	94.3	0.0	95.5	9.3	189.8	0.0	0.0
48.50		9.3	94.1	0.0	95.5	9.3	189.6	0.0	0.0
49.00		9.3	93.9	0.0	95.5	9.3	189.4	0.0	0.0
49.50		9.3	93.7	0.0	95.6	9.3	189.3	0.0	0.0
50.00		9.3	93.5	0.0	95.6	9.3	189.1	0.0	0.0
50.50		9.3	93.3	0.0	95.6	9.3	188.9	0.0	0.0
51.00		9.3	93.1	0.0	95.6	9.3	188.7	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:01 AM

Customer: SPRINT NEXTEL

Load Case: 1.2D + 1.0Di + 1.0Wl		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	95.7	9.3	188.6	0.0	0.0
52.00		9.3	92.7	0.0	95.7	9.3	188.4	0.0	0.0
52.50		9.3	92.5	0.0	95.7	9.3	188.2	0.0	0.0
53.00		9.3	92.3	0.0	95.8	9.3	188.0	0.0	0.0
53.50		9.3	92.1	0.0	95.8	9.3	187.9	0.0	0.0
54.00		9.3	91.8	0.0	95.8	9.3	187.7	0.0	0.0
54.50		9.4	91.6	0.0	95.9	9.4	187.5	0.0	0.0
55.00		9.4	91.4	0.0	95.9	9.4	187.3	0.0	0.0
55.50		9.4	91.2	0.0	95.9	9.4	187.1	0.0	0.0
56.00		9.4	91.0	0.0	96.0	9.4	187.0	0.0	0.0
56.50		9.4	90.8	0.0	96.0	9.4	186.8	0.0	0.0
57.00		9.4	90.6	0.0	96.0	9.4	186.6	0.0	0.0
57.50		9.4	90.4	0.0	96.0	9.4	186.4	0.0	0.0
58.00		9.4	90.2	0.0	96.1	9.4	186.2	0.0	0.0
58.50		9.4	89.9	0.0	96.1	9.4	186.0	0.0	0.0
59.00		9.4	89.7	0.0	96.1	9.4	185.9	0.0	0.0
59.50		9.4	89.5	0.0	96.2	9.4	185.7	0.0	0.0
60.00		9.4	89.3	0.0	96.2	9.4	185.5	0.0	0.0
60.50		9.4	89.1	0.0	96.2	9.4	185.3	0.0	0.0
61.00		9.4	88.9	0.0	96.2	9.4	185.1	0.0	0.0
61.50		9.4	88.7	0.0	96.3	9.4	184.9	0.0	0.0
62.00		9.4	88.4	0.0	96.3	9.4	184.7	0.0	0.0
62.50		9.4	88.2	0.0	96.3	9.4	184.6	0.0	0.0
63.00		9.4	88.0	0.0	96.4	9.4	184.4	0.0	0.0
63.50		9.4	87.8	0.0	96.4	9.4	184.2	0.0	0.0
64.00		9.4	87.6	0.0	96.4	9.4	184.0	0.0	0.0
64.50		9.4	87.4	0.0	96.4	9.4	183.8	0.0	0.0
65.00		9.4	87.1	0.0	96.5	9.4	183.6	0.0	0.0
65.50		9.4	86.9	0.0	96.5	9.4	183.4	0.0	0.0
66.00		9.3	86.7	0.0	96.5	9.3	183.2	0.0	0.0
66.50		9.3	86.5	0.0	96.5	9.3	183.0	0.0	0.0
67.00		9.3	86.3	0.0	96.6	9.3	182.8	0.0	0.0
67.50		9.3	86.0	0.0	96.6	9.3	182.6	0.0	0.0
68.00		9.3	85.8	0.0	96.6	9.3	182.4	0.0	0.0
68.50		9.3	85.6	0.0	96.6	9.3	182.2	0.0	0.0
69.00		9.3	85.4	0.0	96.7	9.3	182.1	0.0	0.0
69.50		9.3	85.2	0.0	96.7	9.3	181.9	0.0	0.0
70.00	Bot - Section 3	9.4	84.9	0.0	96.7	9.4	181.6	0.0	0.0
70.50		9.5	130.1	0.0	96.8	9.5	226.8	0.0	0.0
71.00		9.5	129.7	0.0	96.8	9.5	226.4	0.0	0.0
71.50		9.5	129.3	0.0	96.8	9.5	226.1	0.0	0.0
72.00		9.5	129.0	0.0	96.8	9.5	225.8	0.0	0.0
72.50		9.4	128.6	0.0	96.8	9.4	225.5	0.0	0.0
73.00		7.8	128.3	0.0	96.9	7.8	225.1	0.0	0.0
73.33	Reinf. Top Reinf	4.7	84.5	0.0	63.9	4.7	148.4	0.0	0.0
73.50	Top - Section 2	6.3	43.4	0.0	30.4	6.3	73.8	0.0	0.0
74.00		9.4	73.9	0.0	89.4	9.4	163.3	0.0	0.0
74.50		9.4	73.7	0.0	89.4	9.4	163.1	0.0	0.0
75.00		9.4	73.5	0.0	89.4	9.4	162.9	0.0	0.0
75.50		9.4	73.3	0.0	89.4	9.4	162.7	0.0	0.0
76.00		9.4	73.1	0.0	89.4	9.4	162.6	0.0	0.0
76.50		9.4	72.9	0.0	89.5	9.4	162.4	0.0	0.0
77.00		9.4	72.7	0.0	89.5	9.4	162.2	0.0	0.0
77.50		9.4	72.6	0.0	89.5	9.4	162.1	0.0	0.0
78.00		9.4	72.4	0.0	89.5	9.4	161.9	0.0	0.0
78.50		9.4	72.2	0.0	89.6	9.4	161.7	0.0	0.0
79.00		9.4	72.0	0.0	89.6	9.4	161.6	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:01 AM

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	89.6	9.4	161.4	0.0	0.0
80.00	9.4	71.6	0.0	89.6	9.4	161.2	0.0	0.0
80.50	9.3	71.4	0.0	89.6	9.3	161.0	0.0	0.0
81.00	9.3	71.2	0.0	89.7	9.3	160.9	0.0	0.0
81.50	9.3	71.0	0.0	89.7	9.3	160.7	0.0	0.0
82.00	9.3	70.8	0.0	89.7	9.3	160.5	0.0	0.0
82.50	9.3	70.6	0.0	89.7	9.3	160.4	0.0	0.0
83.00	9.3	70.4	0.0	89.7	9.3	160.2	0.0	0.0
83.50	9.3	70.2	0.0	89.8	9.3	160.0	0.0	0.0
84.00	9.3	70.0	0.0	89.8	9.3	159.8	0.0	0.0
84.50	9.3	69.9	0.0	89.8	9.3	159.7	0.0	0.0
85.00	9.3	69.7	0.0	89.8	9.3	159.5	0.0	0.0
85.50	9.3	69.5	0.0	89.9	9.3	159.3	0.0	0.0
86.00	9.2	69.3	0.0	89.9	9.2	159.1	0.0	0.0
86.50	9.2	69.1	0.0	89.9	9.2	159.0	0.0	0.0
87.00	9.2	68.9	0.0	89.9	9.2	158.8	0.0	0.0
87.50	9.2	68.7	0.0	89.9	9.2	158.6	0.0	0.0
88.00	9.2	68.5	0.0	90.0	9.2	158.4	0.0	0.0
88.50	9.2	68.3	0.0	90.0	9.2	158.3	0.0	0.0
89.00	9.2	68.1	0.0	90.0	9.2	158.1	0.0	0.0
89.50	9.2	67.9	0.0	90.0	9.2	157.9	0.0	0.0
90.00	9.2	67.7	0.0	90.0	9.2	157.7	0.0	0.0
90.50	9.2	67.5	0.0	90.1	9.2	157.6	0.0	0.0
91.00	9.1	67.3	0.0	90.1	9.1	157.4	0.0	0.0
91.50	9.1	67.1	0.0	90.1	9.1	157.2	0.0	0.0
92.00	9.1	66.9	0.0	90.1	9.1	157.0	0.0	0.0
92.50	9.1	66.7	0.0	90.1	9.1	156.9	0.0	0.0
93.00	9.1	66.5	0.0	90.2	9.1	156.7	0.0	0.0
93.50	9.1	66.3	0.0	90.2	9.1	156.5	0.0	0.0
94.00	9.1	66.1	0.0	90.2	9.1	156.3	0.0	0.0
94.50	9.1	65.9	0.0	90.2	9.1	156.1	0.0	0.0
95.00	9.0	65.7	0.0	90.2	9.0	156.0	0.0	0.0
95.50	9.0	65.5	0.0	90.2	9.0	155.8	0.0	0.0
96.00	9.0	65.3	0.0	90.3	9.0	155.6	0.0	0.0
96.50	9.0	65.1	0.0	90.3	9.0	155.4	0.0	0.0
97.00	9.0	64.9	0.0	90.3	9.0	155.2	0.0	0.0
97.50	9.0	64.7	0.0	90.3	9.0	155.1	0.0	0.0
98.00	9.0	64.5	0.0	90.3	9.0	154.9	0.0	0.0
98.50	9.0	64.3	0.0	90.4	9.0	154.7	0.0	0.0
99.00	8.9	64.1	0.0	90.4	8.9	154.5	0.0	0.0
99.50	8.9	63.9	0.0	90.4	8.9	154.3	0.0	0.0
100.00	8.9	63.7	0.0	90.4	8.9	154.2	0.0	0.0
100.50	8.9	63.5	0.0	90.4	8.9	154.0	0.0	0.0
101.00	8.9	63.3	0.0	90.4	8.9	153.8	0.0	0.0
101.50	8.9	63.1	0.0	90.5	8.9	153.6	0.0	0.0
102.00	8.9	62.9	0.0	90.5	8.9	153.4	0.0	0.0
102.50	8.9	62.7	0.0	90.5	8.9	153.2	0.0	0.0
103.00	8.8	62.5	0.0	90.5	8.8	153.1	0.0	0.0
103.50	8.8	62.3	0.0	90.5	8.8	152.9	0.0	0.0
104.00	8.8	62.1	0.0	90.6	8.8	152.7	0.0	0.0
104.50	8.8	61.9	0.0	90.6	8.8	152.5	0.0	0.0
105.00	8.8	61.7	0.0	90.6	8.8	152.3	0.0	0.0
105.50	8.8	61.5	0.0	90.6	8.8	152.1	0.0	0.0
106.00	8.7	61.3	0.0	90.6	8.7	152.0	0.0	0.0
106.50	8.7	61.1	0.0	90.6	8.7	151.8	0.0	0.0
107.00	8.7	60.9	0.0	90.7	8.7	151.6	0.0	0.0
107.50	8.7	60.7	0.0	90.7	8.7	151.4	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:01 AM

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	90.7	8.7	151.2	0.0	0.0			
108.50		8.7	60.3		0.0	90.7	8.7	151.0	0.0	0.0			
109.00		8.7	60.1		0.0	90.7	8.7	150.8	0.0	0.0			
109.50		8.6	59.9		0.0	90.7	8.6	150.7	0.0	0.0			
110.00	Top - Section 3	8.6	59.7		0.0	90.7	8.6	150.5	0.0	0.0			
110.50		8.6	51.0		0.0	83.1	8.6	134.0	0.0	0.0			
111.00		8.6	50.8		0.0	83.1	8.6	133.9	0.0	0.0			
111.50		8.6	50.6		0.0	83.1	8.6	133.7	0.0	0.0			
112.00		8.6	50.5		0.0	83.1	8.6	133.6	0.0	0.0			
112.50		8.5	50.3		0.0	83.1	8.5	133.4	0.0	0.0			
113.00		8.5	50.1		0.0	83.1	8.5	133.3	0.0	0.0			
113.50		8.5	49.9		0.0	83.2	8.5	133.1	0.0	0.0			
114.00		8.5	49.8		0.0	83.2	8.5	132.9	0.0	0.0			
114.50		8.5	49.6		0.0	83.2	8.5	132.8	0.0	0.0			
115.00		8.5	49.4		0.0	83.2	8.5	132.6	0.0	0.0			
115.50		8.4	49.3		0.0	83.2	8.4	132.5	0.0	0.0			
116.00		8.4	49.1		0.0	83.2	8.4	132.3	0.0	0.0			
116.50	Reinf. Top	8.4	48.9		0.0	83.2	8.4	132.2	0.0	0.0			
117.00		8.4	48.7		0.0	52.6	8.4	101.4	0.0	0.0			
117.50		8.4	48.6		0.0	52.7	8.4	101.2	0.0	0.0			
118.00		8.4	48.4		0.0	52.7	8.4	101.1	0.0	0.0			
118.50		8.3	48.2		0.0	48.2	8.3	96.5	0.0	0.0			
119.00		8.3	48.1		0.0	48.2	8.3	96.3	0.0	0.0			
119.50		8.3	47.9		0.0	48.3	8.3	96.2	0.0	0.0			
120.00		8.3	47.7		0.0	48.3	8.3	96.0	0.0	0.0			
120.50		8.3	47.5		0.0	48.3	8.3	95.8	0.0	0.0			
121.00		8.3	47.4		0.0	48.3	8.3	95.7	0.0	0.0			
121.50		8.2	47.2		0.0	48.3	8.2	95.5	0.0	0.0			
122.00		8.2	47.0		0.0	48.3	8.2	95.4	0.0	0.0			
122.50		8.2	46.9		0.0	48.3	8.2	95.2	0.0	0.0			
123.00		8.2	46.7		0.0	48.4	8.2	95.0	0.0	0.0			
123.50		8.2	46.5		0.0	48.4	8.2	94.9	0.0	0.0			
124.00		8.1	46.3		0.0	48.4	8.1	94.7	0.0	0.0			
124.50		8.1	46.2		0.0	48.4	8.1	94.5	0.0	0.0			
125.00		8.1	46.0		0.0	48.4	8.1	94.4	0.0	0.0			
125.50		8.1	45.8		0.0	48.4	8.1	94.2	0.0	0.0			
126.00		8.1	45.6		0.0	48.4	8.1	94.1	0.0	0.0			
126.50		8.0	45.5		0.0	48.4	8.0	93.9	0.0	0.0			
127.00		8.0	45.3		0.0	48.5	8.0	93.7	0.0	0.0			
127.50		8.0	45.1		0.0	48.5	8.0	93.6	0.0	0.0			
128.00		8.0	44.9		0.0	48.5	8.0	93.4	0.0	0.0			
128.50		8.0	44.8		0.0	48.5	8.0	93.3	0.0	0.0			
129.00		8.0	44.6		0.0	48.5	8.0	93.1	0.0	0.0			
129.50		7.9	44.4		0.0	48.5	7.9	92.9	0.0	0.0			
130.00		7.9	44.2		0.0	48.5	7.9	92.8	0.0	0.0			
130.50		7.9	44.1		0.0	48.5	7.9	92.6	0.0	0.0			
131.00	Appertunance(s)	7.9	43.9	719.1	0.0	0.0	6,380.7	0.0	48.5	727.0	6,473.2	0.0	0.0
131.50		7.9	43.7		0.0	25.9	7.9	69.6	0.0	0.0			
132.00		7.8	43.5		0.0	25.9	7.8	69.4	0.0	0.0			
132.50		7.8	43.4		0.0	25.9	7.8	69.3	0.0	0.0			
133.00		7.8	43.2		0.0	25.9	7.8	69.1	0.0	0.0			
133.50		7.8	43.0		0.0	25.9	7.8	68.9	0.0	0.0			
134.00		7.8	42.8		0.0	25.9	7.8	68.7	0.0	0.0			
134.50		7.7	42.7		0.0	25.9	7.7	68.6	0.0	0.0			
135.00		7.7	42.5		0.0	25.9	7.7	68.4	0.0	0.0			
135.50		7.7	42.3		0.0	25.9	7.7	68.2	0.0	0.0			
136.00		7.7	42.1		0.0	25.9	7.7	68.1	0.0	0.0			

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:01 AM

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	25.9	7.6	67.9	0.0	0.0	
137.00	7.6	41.8					0.0	25.9	7.6	67.7	0.0	0.0	
137.50	7.6	41.6					0.0	25.9	7.6	67.5	0.0	0.0	
138.00	7.6	41.4					0.0	25.9	7.6	67.4	0.0	0.0	
138.50	7.6	41.3					0.0	25.9	7.6	67.2	0.0	0.0	
139.00	7.5	41.1					0.0	26.0	7.5	67.0	0.0	0.0	
139.50	7.5	40.9					0.0	26.0	7.5	66.9	0.0	0.0	
140.00	7.5	40.7					0.0	26.0	7.5	66.7	0.0	0.0	
140.50	7.5	40.6					0.0	26.0	7.5	66.5	0.0	0.0	
141.00	Appertunance(s)	7.5	40.4	92.9	0.0	0.0	422.6	0.0	26.0	100.4	489.0	0.0	0.0
141.50		7.4	40.2					0.0	12.2	7.4	52.4	0.0	0.0
142.00		7.4	40.0					0.0	12.2	7.4	52.2	0.0	0.0
142.50		7.4	39.8					0.0	12.2	7.4	52.0	0.0	0.0
143.00		7.4	39.7					0.0	12.2	7.4	51.9	0.0	0.0
143.50		7.3	39.5					0.0	12.2	7.3	51.7	0.0	0.0
144.00		7.3	39.3					0.0	12.2	7.3	51.5	0.0	0.0
144.50		7.3	39.1					0.0	12.2	7.3	51.3	0.0	0.0
145.00		7.3	39.0					0.0	12.2	7.3	51.1	0.0	0.0
145.50		7.3	38.8					0.0	12.2	7.3	51.0	0.0	0.0
146.00		7.2	38.6					0.0	12.2	7.2	50.8	0.0	0.0
146.50		7.2	38.4					0.0	12.2	7.2	50.6	0.0	0.0
147.00		7.2	38.2					0.0	12.2	7.2	50.4	0.0	0.0
147.50		7.2	38.1					0.0	12.2	7.2	50.3	0.0	0.0
148.00		7.1	37.9					0.0	12.2	7.1	50.1	0.0	0.0
148.50		7.1	37.7					0.0	12.2	7.1	49.9	0.0	0.0
149.00		7.1	37.5					0.0	12.2	7.1	49.7	0.0	0.0
149.50		7.1	37.4					0.0	12.2	7.1	49.5	0.0	0.0
150.00	Appertunance(s)	3.5	37.2	786.8	0.0	1,888.6	6,526.6	0.0	12.2	790.3	6,576.0	0.0	0.0
								Totals:	4,245.12	61,359.3	0.00	0.00	

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	-61.36	-4.24	0.00	-472.69	0.00	472.69	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.134
0.50	-61.19	-4.24	0.00	-470.57	0.00	470.57	3,152.93	1,576.47	4,795.55	2,368.34	0.00	-0.01	0.134
1.00	-61.02	-4.23	0.00	-468.45	0.00	468.45	3,148.69	1,574.34	4,778.83	2,360.09	0.00	-0.01	0.133
1.50	-60.84	-4.23	0.00	-466.33	0.00	466.33	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.02	0.133
2.00	-60.67	-4.23	0.00	-464.22	0.00	464.22	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.02	0.133
2.50	-60.49	-4.22	0.00	-462.10	0.00	462.10	3,135.89	1,567.94	4,728.75	2,335.35	0.01	-0.03	0.133
3.00	-60.32	-4.22	0.00	-459.99	0.00	459.99	3,131.60	1,565.80	4,712.08	2,327.12	0.01	-0.03	0.132
3.50	-60.14	-4.21	0.00	-457.88	0.00	457.88	3,127.31	1,563.65	4,695.42	2,318.89	0.01	-0.04	0.132
4.00	-59.96	-4.21	0.00	-455.78	0.00	455.78	3,123.00	1,561.50	4,678.77	2,310.67	0.02	-0.04	0.132
4.50	-59.79	-4.21	0.00	-453.67	0.00	453.67	3,118.68	1,559.34	4,662.14	2,302.45	0.02	-0.05	0.132
5.00	-59.61	-4.20	0.00	-451.57	0.00	451.57	3,114.35	1,557.18	4,645.51	2,294.24	0.03	-0.05	0.131
5.50	-59.44	-4.20	0.00	-449.47	0.00	449.47	3,110.02	1,555.01	4,628.91	2,286.04	0.03	-0.06	0.131
6.00	-59.26	-4.19	0.00	-447.37	0.00	447.37	3,105.67	1,552.83	4,612.31	2,277.85	0.04	-0.06	0.131
6.50	-59.08	-4.19	0.00	-445.27	0.00	445.27	3,101.31	1,550.65	4,595.73	2,269.66	0.05	-0.07	0.131
7.00	-58.90	-4.19	0.00	-443.18	0.00	443.18	3,096.94	1,548.47	4,579.16	2,261.47	0.05	-0.07	0.130
7.50	-58.73	-4.18	0.00	-441.09	0.00	441.09	3,092.56	1,546.28	4,562.60	2,253.30	0.06	-0.08	0.130
8.00	-58.55	-4.18	0.00	-438.99	0.00	438.99	3,088.17	1,544.08	4,546.06	2,245.13	0.07	-0.08	0.130
8.50	-58.33	-4.17	0.00	-436.91	0.00	436.91	3,083.77	1,541.88	4,529.53	2,236.96	0.08	-0.09	0.129
9.00	-58.12	-4.17	0.00	-434.82	0.00	434.82	3,079.36	1,539.68	4,513.01	2,228.81	0.09	-0.10	0.129
9.50	-57.90	-4.16	0.00	-432.74	0.00	432.74	3,074.94	1,537.47	4,496.51	2,220.66	0.10	-0.10	0.129
10.00	-57.68	-4.16	0.00	-430.65	0.00	430.65	3,070.50	1,535.25	4,480.02	2,212.51	0.11	-0.11	0.129
10.50	-57.46	-4.16	0.00	-428.57	0.00	428.57	3,066.06	1,533.03	4,463.54	2,204.38	0.12	-0.11	0.128
11.00	-57.24	-4.15	0.00	-426.50	0.00	426.50	3,061.61	1,530.80	4,447.08	2,196.25	0.13	-0.12	0.128
11.50	-57.02	-4.15	0.00	-424.42	0.00	424.42	3,057.15	1,528.57	4,430.63	2,188.12	0.15	-0.12	0.128
12.00	-56.81	-4.14	0.00	-422.35	0.00	422.35	3,052.67	1,526.34	4,414.20	2,180.01	0.16	-0.13	0.127
12.50	-56.59	-4.14	0.00	-420.28	0.00	420.28	3,048.19	1,524.09	4,397.78	2,171.90	0.17	-0.13	0.127
13.00	-56.37	-4.13	0.00	-418.21	0.00	418.21	3,043.69	1,521.85	4,381.37	2,163.80	0.19	-0.14	0.127
13.50	-56.15	-4.13	0.00	-416.14	0.00	416.14	3,039.19	1,519.59	4,364.98	2,155.70	0.20	-0.14	0.127
14.00	-55.93	-4.12	0.00	-414.08	0.00	414.08	3,034.67	1,517.34	4,348.61	2,147.61	0.22	-0.15	0.126
14.50	-55.71	-4.12	0.00	-412.01	0.00	412.01	3,030.15	1,515.07	4,332.24	2,139.53	0.23	-0.15	0.126
15.00	-55.50	-4.12	0.00	-409.95	0.00	409.95	3,025.61	1,512.81	4,315.90	2,131.46	0.25	-0.16	0.126
15.50	-55.28	-4.11	0.00	-407.90	0.00	407.90	3,021.07	1,510.53	4,299.57	2,123.39	0.27	-0.17	0.125
16.00	-55.06	-4.11	0.00	-405.84	0.00	405.84	3,016.51	1,508.25	4,283.25	2,115.33	0.29	-0.17	0.125
16.50	-54.84	-4.10	0.00	-403.79	0.00	403.79	3,011.94	1,505.97	4,266.95	2,107.28	0.30	-0.18	0.125
17.00	-54.63	-4.10	0.00	-401.74	0.00	401.74	3,007.37	1,503.68	4,250.66	2,099.24	0.32	-0.18	0.124
17.50	-54.41	-4.09	0.00	-399.69	0.00	399.69	3,002.78	1,501.39	4,234.39	2,091.20	0.34	-0.19	0.124
18.00	-54.19	-4.09	0.00	-397.64	0.00	397.64	2,998.18	1,499.09	4,218.13	2,083.18	0.36	-0.19	0.124
18.50	-53.97	-4.08	0.00	-395.60	0.00	395.60	2,993.57	1,496.79	4,201.89	2,075.15	0.38	-0.20	0.124
19.00	-53.75	-4.08	0.00	-393.56	0.00	393.56	2,988.95	1,494.48	4,185.66	2,067.14	0.40	-0.20	0.123
19.50	-53.54	-4.07	0.00	-391.52	0.00	391.52	2,984.32	1,492.16	4,169.45	2,059.13	0.42	-0.21	0.123
20.00	-53.32	-4.07	0.00	-389.48	0.00	389.48	2,979.68	1,489.84	4,153.25	2,051.14	0.45	-0.21	0.123
20.50	-53.10	-4.06	0.00	-387.45	0.00	387.45	2,975.03	1,487.52	4,137.08	2,043.15	0.47	-0.22	0.122
21.00	-52.89	-4.06	0.00	-385.41	0.00	385.41	2,970.37	1,485.19	4,120.91	2,035.16	0.49	-0.22	0.122
21.50	-52.67	-4.06	0.00	-383.38	0.00	383.38	2,965.70	1,482.85	4,104.77	2,027.19	0.52	-0.23	0.122
22.00	-52.45	-4.05	0.00	-381.36	0.00	381.36	2,961.02	1,480.51	4,088.63	2,019.22	0.54	-0.24	0.121
22.50	-52.24	-4.05	0.00	-379.33	0.00	379.33	2,956.33	1,478.16	4,072.52	2,011.26	0.57	-0.24	0.121
23.00	-52.02	-4.04	0.00	-377.31	0.00	377.31	2,951.62	1,475.81	4,056.42	2,003.31	0.59	-0.25	0.121
23.50	-51.80	-4.04	0.00	-375.29	0.00	375.29	2,946.91	1,473.46	4,040.34	1,995.37	0.62	-0.25	0.120
24.00	-51.59	-4.03	0.00	-373.27	0.00	373.27	2,942.19	1,471.09	4,024.27	1,987.44	0.64	-0.26	0.120
24.50	-51.37	-4.03	0.00	-371.25	0.00	371.25	2,937.46	1,468.73	4,008.22	1,979.51	0.67	-0.26	0.120
25.00	-51.15	-4.02	0.00	-369.24	0.00	369.24	2,932.71	1,466.36	3,992.19	1,971.59	0.70	-0.27	0.120

Load Case: 1.2D + 1.0Di + 1.0Wi

50 mph with 0.75 in Radial Ice

40 Iterations

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

Ice Dead Load Factor :1.00

Wind Importance Factor 1.00
Ice Importance Factor :1.00

25.50	-50.94	-4.02	0.00	-367.23	0.00	367.23	2,927.96	1,463.98	3,976.18	1,963.68	0.73	-0.27	0.119
26.00	-50.72	-4.01	0.00	-365.22	0.00	365.22	2,923.19	1,461.60	3,960.18	1,955.78	0.76	-0.28	0.119
26.50	-50.51	-4.01	0.00	-363.22	0.00	363.22	2,918.42	1,459.21	3,944.20	1,947.89	0.79	-0.28	0.119
27.00	-50.29	-4.00	0.00	-361.21	0.00	361.21	2,913.63	1,456.82	3,928.23	1,940.01	0.82	-0.29	0.118
27.50	-50.08	-4.00	0.00	-359.21	0.00	359.21	2,910.08	1,455.04	3,913.96	1,932.96	0.85	-0.30	0.118
28.00	-49.86	-3.99	0.00	-357.22	0.00	357.22	2,903.11	1,451.55	3,895.11	1,923.65	0.88	-0.30	0.118
28.50	-49.65	-3.99	0.00	-355.22	0.00	355.22	2,896.13	1,448.07	3,876.32	1,914.37	0.91	-0.31	0.117
29.00	-49.43	-3.98	0.00	-353.23	0.00	353.23	2,889.16	1,444.58	3,857.57	1,905.11	0.94	-0.31	0.117
29.50	-49.22	-3.98	0.00	-351.24	0.00	351.24	2,882.19	1,441.09	3,838.86	1,895.87	0.98	-0.32	0.117
30.00	-49.00	-3.97	0.00	-349.25	0.00	349.25	2,875.21	1,437.61	3,820.20	1,886.65	1.01	-0.32	0.117
30.50	-48.79	-3.97	0.00	-347.26	0.00	347.26	2,868.24	1,434.12	3,801.59	1,877.46	1.04	-0.33	0.116
31.00	-48.57	-3.96	0.00	-345.28	0.00	345.28	2,861.26	1,430.63	3,783.02	1,868.29	1.08	-0.33	0.116
31.50	-48.36	-3.95	0.00	-343.30	0.00	343.30	2,854.29	1,427.15	3,764.50	1,859.14	1.11	-0.34	0.116
32.00	-48.08	-3.95	0.00	-341.32	0.00	341.32	2,847.32	1,423.66	3,746.02	1,850.02	1.15	-0.34	0.114
32.50	-47.80	-3.94	0.00	-339.35	0.00	339.35	2,840.34	1,420.17	3,727.58	1,840.91	1.19	-0.35	0.114
33.00	-47.52	-3.94	0.00	-337.38	0.00	337.38	2,833.37	1,416.69	3,709.20	1,831.83	1.22	-0.36	0.114
33.50	-47.24	-3.93	0.00	-335.41	0.00	335.41	2,826.40	1,413.20	3,690.85	1,822.77	1.26	-0.36	0.113
34.00	-46.95	-3.92	0.00	-333.44	0.00	333.44	2,819.42	1,409.71	3,672.56	1,813.74	1.30	-0.37	0.113
34.50	-46.67	-3.92	0.00	-331.48	0.00	331.48	2,812.45	1,406.22	3,654.31	1,804.72	1.34	-0.37	0.113
35.00	-46.40	-3.91	0.00	-329.52	0.00	329.52	2,805.48	1,402.74	3,636.10	1,795.73	1.38	-0.38	0.112
35.50	-46.12	-3.91	0.00	-327.57	0.00	327.57	2,798.50	1,399.25	3,617.94	1,786.76	1.42	-0.38	0.112
35.67	-46.02	-3.90	0.00	-326.92	0.00	326.92	2,248.07	1,124.03	2,973.91	1,468.70	1.43	-0.38	0.129
36.00	-45.89	-3.90	0.00	-325.61	0.00	325.61	2,245.83	1,122.91	2,966.06	1,464.83	1.46	-0.39	0.129
36.50	-45.69	-3.89	0.00	-323.67	0.00	323.67	2,242.46	1,121.23	2,954.30	1,459.02	1.50	-0.39	0.128
36.67	-45.62	-3.89	0.00	-323.00	0.00	323.00	2,241.31	1,120.65	2,950.31	1,457.05	1.51	-0.40	0.128
36.67	-45.62	-3.89	0.00	-323.00	0.00	323.00	2,241.31	1,120.65	2,950.31	1,457.05	1.51	-0.40	0.138
37.00	-45.49	-3.89	0.00	-321.72	0.00	321.72	2,239.08	1,119.54	2,942.55	1,453.22	1.54	-0.40	0.137
37.50	-45.30	-3.88	0.00	-319.78	0.00	319.78	2,235.69	1,117.84	2,930.81	1,447.42	1.58	-0.41	0.137
38.00	-45.10	-3.88	0.00	-317.83	0.00	317.83	2,232.29	1,116.14	2,919.08	1,441.62	1.63	-0.41	0.137
38.50	-44.91	-3.87	0.00	-315.90	0.00	315.90	2,228.88	1,114.44	2,907.36	1,435.83	1.67	-0.42	0.136
39.00	-44.72	-3.87	0.00	-313.96	0.00	313.96	2,225.46	1,112.73	2,895.64	1,430.05	1.71	-0.42	0.136
39.50	-44.52	-3.86	0.00	-312.03	0.00	312.03	2,222.03	1,111.01	2,883.93	1,424.27	1.76	-0.43	0.135
40.00	-44.33	-3.85	0.00	-310.10	0.00	310.10	2,218.59	1,109.29	2,872.23	1,418.49	1.80	-0.44	0.135
40.50	-44.14	-3.85	0.00	-308.17	0.00	308.17	2,215.14	1,107.57	2,860.55	1,412.72	1.85	-0.44	0.134
41.00	-43.95	-3.84	0.00	-306.25	0.00	306.25	2,211.67	1,105.84	2,848.87	1,406.95	1.90	-0.45	0.134
41.50	-43.75	-3.84	0.00	-304.33	0.00	304.33	2,208.20	1,104.10	2,837.20	1,401.18	1.94	-0.46	0.133
42.00	-43.56	-3.83	0.00	-302.41	0.00	302.41	2,204.72	1,102.36	2,825.53	1,395.42	1.99	-0.46	0.133
42.50	-43.37	-3.82	0.00	-300.49	0.00	300.49	2,201.23	1,100.61	2,813.88	1,389.67	2.04	-0.47	0.132
43.00	-43.18	-3.82	0.00	-298.58	0.00	298.58	2,197.72	1,098.86	2,802.24	1,383.92	2.09	-0.47	0.132
43.50	-42.99	-3.81	0.00	-296.67	0.00	296.67	2,194.21	1,097.10	2,790.61	1,378.18	2.14	-0.48	0.131
44.00	-42.80	-3.81	0.00	-294.77	0.00	294.77	2,190.68	1,095.34	2,778.98	1,372.44	2.19	-0.49	0.131
44.50	-42.60	-3.80	0.00	-292.86	0.00	292.86	2,187.15	1,093.57	2,767.37	1,366.70	2.24	-0.49	0.131
45.00	-42.41	-3.79	0.00	-290.97	0.00	290.97	2,183.60	1,091.80	2,755.77	1,360.97	2.29	-0.50	0.130
45.50	-42.22	-3.79	0.00	-289.07	0.00	289.07	2,180.05	1,090.02	2,744.17	1,355.24	2.35	-0.51	0.130
46.00	-42.03	-3.78	0.00	-287.18	0.00	287.18	2,176.48	1,088.24	2,732.59	1,349.52	2.40	-0.51	0.129
46.50	-41.84	-3.77	0.00	-285.29	0.00	285.29	2,172.91	1,086.45	2,721.02	1,343.81	2.45	-0.52	0.129
47.00	-41.65	-3.77	0.00	-283.40	0.00	283.40	2,169.32	1,084.66	2,709.45	1,338.10	2.51	-0.52	0.128
47.50	-41.46	-3.76	0.00	-281.51	0.00	281.51	2,165.72	1,082.86	2,697.90	1,332.39	2.56	-0.53	0.128
48.00	-41.27	-3.75	0.00	-279.63	0.00	279.63	2,162.11	1,081.06	2,686.36	1,326.69	2.62	-0.54	0.127
48.50	-41.08	-3.75	0.00	-277.76	0.00	277.76	2,158.50	1,079.25	2,674.83	1,321.00	2.68	-0.54	0.127
49.00	-40.89	-3.74	0.00	-275.88	0.00	275.88	2,154.87	1,077.43	2,663.31	1,315.31	2.73	-0.55	0.126
49.50	-40.70	-3.73	0.00	-274.01	0.00	274.01	2,151.23	1,075.61	2,651.80	1,309.62	2.79	-0.56	0.126
50.00	-40.51	-3.73	0.00	-272.15	0.00	272.15	2,147.58	1,073.79	2,640.30	1,303.95	2.85	-0.56	0.125
50.50	-40.32	-3.72	0.00	-270.28	0.00	270.28	2,143.92	1,071.96	2,628.81	1,298.27	2.91	-0.57	0.125
51.00	-40.13	-3.71	0.00	-268.42	0.00	268.42	2,140.25	1,070.13	2,617.34	1,292.60	2.97	-0.57	0.124
51.50	-39.94	-3.71	0.00	-266.57	0.00	266.57	2,136.57	1,068.29	2,605.87	1,286.94	3.03	-0.58	0.124
52.00	-39.76	-3.70	0.00	-264.71	0.00	264.71	2,132.88	1,066.44	2,594.42	1,281.29	3.09	-0.59	0.123

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

Code: ANSI/TIA-222-G
Engineering Number: OAA712589_C3_02

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9/21/2017 9:06:01 AM

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	-39.57	-3.69	0.00	-262.86	0.00	262.86	2,129.18	1,064.59	2,582.98	1,275.64	3.15	-0.59	0.123
53.00	-39.38	-3.69	0.00	-261.02	0.00	261.02	2,125.47	1,062.73	2,571.55	1,269.99	3.21	-0.60	0.122
53.50	-39.19	-3.68	0.00	-259.17	0.00	259.17	2,121.75	1,060.87	2,560.13	1,264.35	3.28	-0.60	0.122
54.00	-39.00	-3.67	0.00	-257.33	0.00	257.33	2,118.01	1,059.01	2,548.72	1,258.72	3.34	-0.61	0.121
54.50	-38.82	-3.66	0.00	-255.50	0.00	255.50	2,114.27	1,057.14	2,537.32	1,253.09	3.41	-0.62	0.121
55.00	-38.63	-3.66	0.00	-253.67	0.00	253.67	2,110.52	1,055.26	2,525.94	1,247.47	3.47	-0.62	0.120
55.50	-38.44	-3.65	0.00	-251.84	0.00	251.84	2,106.75	1,053.38	2,514.57	1,241.85	3.54	-0.63	0.120
56.00	-38.25	-3.64	0.00	-250.01	0.00	250.01	2,102.98	1,051.49	2,503.21	1,236.24	3.60	-0.64	0.119
56.50	-38.07	-3.64	0.00	-248.19	0.00	248.19	2,099.20	1,049.60	2,491.86	1,230.64	3.67	-0.64	0.119
57.00	-37.88	-3.63	0.00	-246.37	0.00	246.37	2,095.40	1,047.70	2,480.53	1,225.04	3.74	-0.65	0.118
57.50	-37.69	-3.62	0.00	-244.56	0.00	244.56	2,091.60	1,045.80	2,469.21	1,219.45	3.80	-0.65	0.118
58.00	-37.51	-3.61	0.00	-242.75	0.00	242.75	2,087.78	1,043.89	2,457.90	1,213.86	3.87	-0.66	0.117
58.50	-37.32	-3.61	0.00	-240.94	0.00	240.94	2,083.96	1,041.98	2,446.60	1,208.28	3.94	-0.67	0.117
59.00	-37.13	-3.60	0.00	-239.14	0.00	239.14	2,080.12	1,040.06	2,435.32	1,202.71	4.01	-0.67	0.116
59.50	-36.95	-3.59	0.00	-237.34	0.00	237.34	2,076.27	1,038.14	2,424.04	1,197.14	4.08	-0.68	0.116
60.00	-36.76	-3.58	0.00	-235.55	0.00	235.55	2,072.41	1,036.21	2,412.79	1,191.58	4.16	-0.68	0.115
60.50	-36.58	-3.57	0.00	-233.76	0.00	233.76	2,068.55	1,034.27	2,401.54	1,186.03	4.23	-0.69	0.115
61.00	-36.39	-3.57	0.00	-231.97	0.00	231.97	2,064.67	1,032.33	2,390.31	1,180.48	4.30	-0.70	0.114
61.50	-36.21	-3.56	0.00	-230.19	0.00	230.19	2,060.78	1,030.39	2,379.09	1,174.94	4.37	-0.70	0.114
62.00	-36.02	-3.55	0.00	-228.41	0.00	228.41	2,056.88	1,028.44	2,367.88	1,169.41	4.45	-0.71	0.113
62.50	-35.84	-3.54	0.00	-226.63	0.00	226.63	2,052.97	1,026.49	2,356.69	1,163.88	4.52	-0.72	0.113
63.00	-35.65	-3.54	0.00	-224.86	0.00	224.86	2,049.05	1,024.53	2,345.51	1,158.36	4.60	-0.72	0.112
63.50	-35.47	-3.53	0.00	-223.09	0.00	223.09	2,045.12	1,022.56	2,334.35	1,152.85	4.67	-0.73	0.112
64.00	-35.28	-3.52	0.00	-221.33	0.00	221.33	2,041.18	1,020.59	2,323.20	1,147.34	4.75	-0.73	0.111
64.50	-35.10	-3.51	0.00	-219.57	0.00	219.57	2,037.23	1,018.62	2,312.06	1,141.84	4.83	-0.74	0.111
65.00	-34.91	-3.50	0.00	-217.81	0.00	217.81	2,033.27	1,016.64	2,300.94	1,136.35	4.90	-0.75	0.110
65.50	-34.73	-3.50	0.00	-216.06	0.00	216.06	2,029.30	1,014.65	2,289.83	1,130.86	4.98	-0.75	0.110
66.00	-34.55	-3.49	0.00	-214.31	0.00	214.31	2,025.32	1,012.66	2,278.74	1,125.38	5.06	-0.76	0.109
66.50	-34.36	-3.48	0.00	-212.57	0.00	212.57	2,021.33	1,010.66	2,267.65	1,119.91	5.14	-0.76	0.109
67.00	-34.18	-3.47	0.00	-210.83	0.00	210.83	2,017.34	1,008.67	2,256.57	1,114.25	5.22	-0.77	0.108
67.50	-34.00	-3.46	0.00	-209.09	0.00	209.09	2,013.35	1,006.68	2,245.51	1,108.59	5.30	-0.78	0.108
68.00	-33.82	-3.46	0.00	-207.36	0.00	207.36	2,009.36	1,004.69	2,234.45	1,102.93	5.38	-0.78	0.107
68.50	-33.63	-3.45	0.00	-205.63	0.00	205.63	1,999.53	999.77	2,217.14	1,094.96	5.47	-0.79	0.107
69.00	-33.45	-3.44	0.00	-203.91	0.00	203.91	1,993.72	996.86	2,204.19	1,088.57	5.55	-0.79	0.106
69.50	-33.27	-3.43	0.00	-202.19	0.00	202.19	1,987.91	993.96	2,191.29	1,082.20	5.63	-0.80	0.106
70.00	-33.09	-3.42	0.00	-200.48	0.00	200.48	1,982.10	991.05	2,178.42	1,075.84	5.72	-0.81	0.106
70.50	-32.86	-3.41	0.00	-198.76	0.00	198.76	1,976.29	988.14	2,165.59	1,069.51	5.80	-0.81	0.103
71.00	-32.63	-3.40	0.00	-197.06	0.00	197.06	1,970.48	985.24	2,152.80	1,063.19	5.89	-0.82	0.103
71.50	-32.41	-3.39	0.00	-195.36	0.00	195.36	1,964.67	982.33	2,140.05	1,056.89	5.97	-0.82	0.103
72.00	-32.18	-3.38	0.00	-193.66	0.00	193.66	1,958.85	979.43	2,127.34	1,050.61	6.06	-0.83	0.102
72.50	-31.96	-3.37	0.00	-191.97	0.00	191.97	1,953.04	976.52	2,114.66	1,044.35	6.15	-0.84	0.102
73.00	-31.73	-3.37	0.00	-190.28	0.00	190.28	1,947.23	973.62	2,102.02	1,038.11	6.24	-0.84	0.101
73.33	-31.58	-3.36	0.00	-189.17	0.00	189.17	1,943.40	971.70	2,093.70	1,034.00	6.29	-0.85	0.101
73.33	-31.58	-3.36	0.00	-189.17	0.00	189.17	1,943.40	971.70	2,093.70	1,034.00	6.29	-0.85	0.110
73.50	-31.51	-3.36	0.00	-188.60	0.00	188.60	1,473.96	736.98	1,624.57	802.32	6.32	-0.85	0.131
74.00	-31.34	-3.35	0.00	-186.92	0.00	186.92	1,471.41	735.71	1,616.97	798.56	6.41	-0.85	0.130
74.50	-31.18	-3.34	0.00	-185.25	0.00	185.25	1,468.85	734.43	1,609.36	794.80	6.50	-0.86	0.130
75.00	-31.02	-3.33	0.00	-183.58	0.00	183.58	1,466.28	733.14	1,601.77	791.05	6.59	-0.87	0.129
75.50	-30.85	-3.32	0.00	-181.91	0.00	181.91	1,463.70	731.85	1,594.18	787.30	6.68	-0.87	0.128
76.00	-30.69	-3.32	0.00	-180.25	0.00	180.25	1,461.11	730.55	1,586.59	783.56	6.78	-0.88	0.127
76.50	-30.53	-3.31	0.00	-178.59	0.00	178.59	1,458.51	729.25	1,579.01	779.81	6.87	-0.89	0.127
77.00	-30.37	-3.30	0.00	-176.94	0.00	176.94	1,455.89	727.95	1,571.44	776.07	6.96	-0.89	0.126
77.50	-30.20	-3.29	0.00	-175.29	0.00	175.29	1,453.27	726.64	1,563.87	772.34	7.06	-0.90	0.125
78.00	-30.04	-3.28	0.00	-173.65	0.00	173.65	1,450.64	725.32	1,556.31	768.60	7.15	-0.91	0.124
78.50	-29.88	-3.27	0.00	-172.00	0.00	172.00	1,447.99	724.00	1,548.75	764.87	7.25	-0.92	0.124
79.00	-29.72	-3.27	0.00	-170.37	0.00	170.37	1,445.34	722.67	1,541.20	761.14	7.34	-0.92	0.123
79.50	-29.56	-3.26	0.00	-168.74	0.00	168.74	1,442.68	721.34	1,533.65	757.41	7.44	-0.93	0.122

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:01 AM

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	-29.40	-3.25	0.00	-167.11	0.00	167.11	1,440.00	720.00	1,526.12	753.69	7.54	-0.94	0.121
80.50	-29.23	-3.24	0.00	-165.48	0.00	165.48	1,437.32	718.66	1,518.59	749.97	7.64	-0.94	0.121
81.00	-29.07	-3.23	0.00	-163.86	0.00	163.86	1,434.62	717.31	1,511.06	746.26	7.74	-0.95	0.120
81.50	-28.91	-3.22	0.00	-162.25	0.00	162.25	1,431.91	715.96	1,503.54	742.54	7.84	-0.96	0.119
82.00	-28.75	-3.21	0.00	-160.64	0.00	160.64	1,429.20	714.60	1,496.03	738.83	7.94	-0.96	0.118
82.50	-28.59	-3.21	0.00	-159.03	0.00	159.03	1,426.47	713.23	1,488.53	735.13	8.04	-0.97	0.117
83.00	-28.43	-3.20	0.00	-157.43	0.00	157.43	1,423.73	711.87	1,481.03	731.43	8.14	-0.98	0.117
83.50	-28.27	-3.19	0.00	-155.83	0.00	155.83	1,420.98	710.49	1,473.54	727.73	8.24	-0.98	0.116
84.00	-28.11	-3.18	0.00	-154.24	0.00	154.24	1,418.23	709.11	1,466.06	724.03	8.34	-0.99	0.115
84.50	-27.95	-3.17	0.00	-152.65	0.00	152.65	1,415.46	707.73	1,458.58	720.34	8.45	-1.00	0.114
85.00	-27.79	-3.16	0.00	-151.06	0.00	151.06	1,412.68	706.34	1,451.11	716.65	8.55	-1.00	0.113
85.50	-27.63	-3.15	0.00	-149.48	0.00	149.48	1,409.89	704.94	1,443.65	712.97	8.66	-1.01	0.113
86.00	-27.47	-3.14	0.00	-147.90	0.00	147.90	1,407.09	703.54	1,436.20	709.28	8.76	-1.02	0.112
86.50	-27.31	-3.13	0.00	-146.33	0.00	146.33	1,404.28	702.14	1,428.75	705.61	8.87	-1.02	0.111
87.00	-27.15	-3.13	0.00	-144.77	0.00	144.77	1,401.46	700.73	1,421.32	701.93	8.98	-1.03	0.110
87.50	-27.00	-3.12	0.00	-143.20	0.00	143.20	1,398.63	699.31	1,413.89	698.26	9.09	-1.03	0.109
88.00	-26.84	-3.11	0.00	-141.65	0.00	141.65	1,395.79	697.89	1,406.46	694.60	9.20	-1.04	0.109
88.50	-26.68	-3.10	0.00	-140.09	0.00	140.09	1,392.93	696.47	1,399.05	690.94	9.31	-1.05	0.108
89.00	-26.52	-3.09	0.00	-138.54	0.00	138.54	1,390.07	695.04	1,391.64	687.28	9.42	-1.05	0.107
89.50	-26.36	-3.08	0.00	-137.00	0.00	137.00	1,387.20	693.60	1,384.25	683.63	9.53	-1.06	0.106
90.00	-26.20	-3.07	0.00	-135.46	0.00	135.46	1,384.32	692.16	1,376.86	679.98	9.64	-1.07	0.105
90.50	-26.05	-3.06	0.00	-133.92	0.00	133.92	1,381.42	690.71	1,369.48	676.33	9.75	-1.07	0.105
91.00	-25.89	-3.05	0.00	-132.39	0.00	132.39	1,378.52	689.26	1,362.10	672.69	9.86	-1.08	0.104
91.50	-25.73	-3.04	0.00	-130.87	0.00	130.87	1,375.61	687.80	1,354.74	669.06	9.98	-1.09	0.103
92.00	-25.57	-3.03	0.00	-129.34	0.00	129.34	1,372.68	686.34	1,347.39	665.42	10.09	-1.09	0.102
92.50	-25.42	-3.02	0.00	-127.83	0.00	127.83	1,369.75	684.87	1,340.04	661.80	10.21	-1.10	0.101
93.00	-25.26	-3.02	0.00	-126.32	0.00	126.32	1,366.80	683.40	1,332.70	658.17	10.32	-1.10	0.101
93.50	-25.10	-3.01	0.00	-124.81	0.00	124.81	1,363.85	681.92	1,325.38	654.55	10.44	-1.11	0.100
94.00	-24.95	-3.00	0.00	-123.30	0.00	123.30	1,360.88	680.44	1,318.06	650.94	10.55	-1.12	0.099
94.50	-24.79	-2.99	0.00	-121.81	0.00	121.81	1,357.90	678.95	1,310.75	647.33	10.67	-1.12	0.098
95.00	-24.64	-2.98	0.00	-120.31	0.00	120.31	1,354.92	677.46	1,303.45	643.72	10.79	-1.13	0.097
95.50	-24.48	-2.97	0.00	-118.82	0.00	118.82	1,351.92	675.96	1,296.16	640.12	10.91	-1.14	0.096
96.00	-24.32	-2.96	0.00	-117.34	0.00	117.34	1,348.91	674.46	1,288.88	636.53	11.03	-1.14	0.096
96.50	-24.17	-2.95	0.00	-115.86	0.00	115.86	1,345.89	672.95	1,281.61	632.94	11.15	-1.15	0.095
97.00	-24.01	-2.94	0.00	-114.39	0.00	114.39	1,342.86	671.43	1,274.35	629.35	11.27	-1.15	0.094
97.50	-23.86	-2.93	0.00	-112.92	0.00	112.92	1,339.82	669.91	1,267.09	625.77	11.39	-1.16	0.093
98.00	-23.70	-2.92	0.00	-111.45	0.00	111.45	1,336.78	668.39	1,259.85	622.19	11.51	-1.17	0.092
98.50	-23.55	-2.91	0.00	-109.99	0.00	109.99	1,333.72	666.86	1,252.62	618.62	11.63	-1.17	0.091
99.00	-23.39	-2.90	0.00	-108.54	0.00	108.54	1,330.65	665.32	1,245.40	615.06	11.76	-1.18	0.091
99.50	-23.24	-2.89	0.00	-107.09	0.00	107.09	1,327.57	663.78	1,238.19	611.50	11.88	-1.18	0.090
100.00	-23.08	-2.88	0.00	-105.64	0.00	105.64	1,324.47	662.24	1,230.99	607.94	12.00	-1.19	0.089
100.50	-22.93	-2.87	0.00	-104.20	0.00	104.20	1,321.37	660.69	1,223.80	604.39	12.13	-1.20	0.088
101.00	-22.78	-2.86	0.00	-102.77	0.00	102.77	1,318.26	659.13	1,216.62	600.84	12.25	-1.20	0.087
101.50	-22.62	-2.85	0.00	-101.34	0.00	101.34	1,315.14	657.57	1,209.45	597.30	12.38	-1.21	0.086
102.00	-22.47	-2.84	0.00	-99.91	0.00	99.91	1,312.01	656.00	1,202.30	593.77	12.51	-1.21	0.085
102.50	-22.32	-2.83	0.00	-98.49	0.00	98.49	1,308.86	654.43	1,195.15	590.24	12.63	-1.22	0.085
103.00	-22.16	-2.82	0.00	-97.07	0.00	97.07	1,305.71	652.86	1,188.02	586.72	12.76	-1.22	0.084
103.50	-22.01	-2.81	0.00	-95.66	0.00	95.66	1,302.55	651.27	1,180.89	583.20	12.89	-1.23	0.083
104.00	-21.86	-2.80	0.00	-94.26	0.00	94.26	1,299.37	649.69	1,173.78	579.69	13.02	-1.24	0.082
104.50	-21.71	-2.79	0.00	-92.85	0.00	92.85	1,296.19	648.09	1,166.68	576.18	13.15	-1.24	0.081
105.00	-21.55	-2.78	0.00	-91.46	0.00	91.46	1,292.99	646.50	1,159.59	572.68	13.28	-1.25	0.080
105.50	-21.40	-2.77	0.00	-90.07	0.00	90.07	1,289.88	644.99	1,151.78	568.82	13.41	-1.25	0.079
106.00	-21.25	-2.76	0.00	-88.68	0.00	88.68	1,284.33	642.16	1,143.44	564.70	13.54	-1.26	0.079
106.50	-21.10	-2.75	0.00	-87.30	0.00	87.30	1,279.68	639.84	1,135.13	560.60	13.67	-1.26	0.078
107.00	-20.95	-2.74	0.00	-85.92	0.00	85.92	1,275.03	637.51	1,126.85	556.51	13.81	-1.27	0.077
107.50	-20.79	-2.73	0.00	-84.55	0.00	84.55	1,270.38	635.19	1,118.60	552.44	13.94	-1.27	0.076
108.00	-20.64	-2.72	0.00	-83.19	0.00	83.19	1,265.73	632.87	1,110.38	548.38	14.07	-1.28	0.075

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

Code: ANSI/TIA-222-G
Engineering Number: OAA712589_C3_02

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9/21/2017 9:06:02 AM

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	-20.49	-2.71	0.00	-81.83	0.00	81.83	1,261.08	630.54	1,102.19	544.33	14.21	-1.28	0.075
109.00	-20.34	-2.70	0.00	-80.47	0.00	80.47	1,256.43	628.22	1,094.04	540.30	14.34	-1.29	0.074
109.50	-20.19	-2.69	0.00	-79.12	0.00	79.12	1,251.78	625.89	1,085.91	536.29	14.48	-1.29	0.073
110.00	-20.04	-2.68	0.00	-77.78	0.00	77.78	1,247.14	623.57	1,077.81	532.29	14.61	-1.30	0.072
110.00	-20.04	-2.68	0.00	-77.78	0.00	77.78	853.24	426.62	741.79	366.34	14.61	-1.30	0.000
110.50	-19.91	-2.67	0.00	-76.43	0.00	76.43	851.46	425.73	737.46	364.21	14.75	-1.30	0.101
111.00	-19.77	-2.66	0.00	-75.10	0.00	75.10	849.67	424.84	733.15	362.07	14.89	-1.31	0.099
111.50	-19.64	-2.65	0.00	-73.77	0.00	73.77	847.87	423.94	728.83	359.94	15.03	-1.32	0.098
112.00	-19.50	-2.64	0.00	-72.44	0.00	72.44	846.07	423.03	724.52	357.81	15.16	-1.32	0.096
112.50	-19.37	-2.63	0.00	-71.12	0.00	71.12	844.25	422.12	720.21	355.68	15.30	-1.33	0.095
113.00	-19.24	-2.62	0.00	-69.80	0.00	69.80	842.42	421.21	715.90	353.56	15.44	-1.34	0.094
113.50	-19.10	-2.61	0.00	-68.49	0.00	68.49	840.58	420.29	711.60	351.43	15.58	-1.34	0.092
114.00	-18.97	-2.60	0.00	-67.19	0.00	67.19	838.73	419.36	707.30	349.31	15.72	-1.35	0.091
114.50	-18.84	-2.60	0.00	-65.88	0.00	65.88	836.87	418.43	703.00	347.19	15.86	-1.35	0.090
115.00	-18.71	-2.59	0.00	-64.59	0.00	64.59	834.99	417.50	698.71	345.06	16.01	-1.36	0.088
115.50	-18.57	-2.58	0.00	-63.29	0.00	63.29	833.11	416.56	694.42	342.95	16.15	-1.37	0.087
116.00	-18.44	-2.57	0.00	-62.01	0.00	62.01	831.22	415.61	690.13	340.83	16.29	-1.37	0.086
116.50	-18.31	-2.56	0.00	-60.72	0.00	60.72	829.32	414.66	685.85	338.71	16.44	-1.38	0.084
116.50	-18.31	-2.56	0.00	-60.72	0.00	60.72	829.32	414.66	685.85	338.71	16.44	-1.38	0.201
117.00	-18.21	-2.55	0.00	-59.44	0.00	59.44	827.41	413.70	681.57	336.60	16.58	-1.38	0.199
117.50	-18.11	-2.54	0.00	-58.17	0.00	58.17	825.48	412.74	677.29	334.49	16.73	-1.40	0.196
118.00	-18.00	-2.54	0.00	-56.90	0.00	56.90	823.55	411.77	673.02	332.38	16.87	-1.41	0.193
118.50	-17.91	-2.53	0.00	-55.63	0.00	55.63	821.61	410.80	668.75	330.27	17.02	-1.42	0.190
119.00	-17.81	-2.52	0.00	-54.37	0.00	54.37	819.65	409.83	664.49	328.17	17.17	-1.44	0.187
119.50	-17.71	-2.52	0.00	-53.11	0.00	53.11	817.69	408.84	660.23	326.06	17.32	-1.45	0.185
120.00	-17.62	-2.51	0.00	-51.85	0.00	51.85	815.71	407.86	655.98	323.96	17.48	-1.46	0.182
120.50	-17.52	-2.50	0.00	-50.59	0.00	50.59	813.73	406.86	651.73	321.87	17.63	-1.48	0.179
121.00	-17.43	-2.49	0.00	-49.34	0.00	49.34	811.73	405.86	647.49	319.77	17.79	-1.49	0.176
121.50	-17.33	-2.49	0.00	-48.10	0.00	48.10	809.72	404.86	643.25	317.68	17.94	-1.50	0.173
122.00	-17.23	-2.48	0.00	-46.85	0.00	46.85	807.71	403.85	639.01	315.58	18.10	-1.51	0.170
122.50	-17.14	-2.47	0.00	-45.61	0.00	45.61	805.68	402.84	634.78	313.49	18.26	-1.52	0.167
123.00	-17.04	-2.47	0.00	-44.38	0.00	44.38	803.64	401.82	630.56	311.41	18.42	-1.54	0.164
123.50	-16.95	-2.46	0.00	-43.14	0.00	43.14	801.59	400.80	626.34	309.32	18.58	-1.55	0.161
124.00	-16.85	-2.45	0.00	-41.91	0.00	41.91	799.54	399.77	622.12	307.24	18.74	-1.56	0.158
124.50	-16.76	-2.44	0.00	-40.69	0.00	40.69	797.47	398.73	617.91	305.16	18.91	-1.57	0.154
125.00	-16.66	-2.44	0.00	-39.46	0.00	39.46	795.39	397.69	613.71	303.09	19.07	-1.58	0.151
125.50	-16.57	-2.43	0.00	-38.25	0.00	38.25	793.30	396.65	609.51	301.01	19.24	-1.59	0.148
126.00	-16.48	-2.42	0.00	-37.03	0.00	37.03	791.20	395.60	605.32	298.94	19.41	-1.60	0.145
126.50	-16.38	-2.41	0.00	-35.82	0.00	35.82	789.09	394.54	601.13	296.88	19.58	-1.61	0.141
127.00	-16.29	-2.41	0.00	-34.61	0.00	34.61	786.97	393.48	596.95	294.81	19.75	-1.62	0.138
127.50	-16.19	-2.40	0.00	-33.41	0.00	33.41	784.84	392.42	592.78	292.75	19.92	-1.63	0.135
128.00	-16.10	-2.39	0.00	-32.21	0.00	32.21	782.69	391.35	588.61	290.69	20.09	-1.64	0.131
128.50	-16.01	-2.38	0.00	-31.02	0.00	31.02	780.54	390.27	584.44	288.64	20.26	-1.65	0.128
129.00	-15.91	-2.37	0.00	-29.82	0.00	29.82	778.38	389.19	580.29	286.58	20.43	-1.66	0.125
129.50	-15.82	-2.37	0.00	-28.64	0.00	28.64	776.21	388.10	576.14	284.53	20.61	-1.67	0.121
130.00	-15.73	-2.36	0.00	-27.45	0.00	27.45	774.02	387.01	572.00	282.49	20.79	-1.68	0.118
130.50	-15.63	-2.35	0.00	-26.28	0.00	26.28	771.83	385.91	567.86	280.44	20.96	-1.69	0.114
131.00	-9.19	-1.43	0.00	-25.10	0.00	25.10	769.63	384.81	563.73	278.40	21.14	-1.70	0.102
131.50	-9.12	-1.42	0.00	-24.38	0.00	24.38	767.41	383.71	559.60	276.37	21.32	-1.71	0.100
132.00	-9.05	-1.42	0.00	-23.67	0.00	23.67	765.19	382.59	555.49	274.33	21.50	-1.71	0.098
132.50	-8.98	-1.41	0.00	-22.96	0.00	22.96	762.95	381.48	551.38	272.31	21.68	-1.72	0.096
133.00	-8.91	-1.40	0.00	-22.26	0.00	22.26	760.71	380.35	547.28	270.28	21.86	-1.73	0.094
133.50	-8.84	-1.39	0.00	-21.56	0.00	21.56	758.45	379.23	543.18	268.26	22.04	-1.74	0.092
134.00	-8.77	-1.38	0.00	-20.87	0.00	20.87	756.18	378.09	539.09	266.24	22.22	-1.75	0.090
134.50	-8.70	-1.37	0.00	-20.18	0.00	20.18	753.91	376.95	535.01	264.22	22.40	-1.75	0.088
135.00	-8.63	-1.36	0.00	-19.49	0.00	19.49	751.62	375.81	530.94	262.21	22.59	-1.76	0.086
135.50	-8.57	-1.35	0.00	-18.81	0.00	18.81	749.32	374.66	526.87	260.20	22.77	-1.77	0.084

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:02 AM

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	-8.50	-1.35	0.00	-18.13	0.00	18.13	747.01	373.51	522.82	258.20	22.96	-1.77	0.082
136.50	-8.43	-1.34	0.00	-17.46	0.00	17.46	744.70	372.35	518.77	256.20	23.14	-1.78	0.079
137.00	-8.36	-1.33	0.00	-16.79	0.00	16.79	742.37	371.18	514.72	254.20	23.33	-1.79	0.077
137.50	-8.30	-1.32	0.00	-16.13	0.00	16.13	740.03	370.01	510.69	252.21	23.52	-1.79	0.075
138.00	-8.23	-1.31	0.00	-15.47	0.00	15.47	737.68	368.84	506.66	250.22	23.71	-1.80	0.073
138.50	-8.16	-1.30	0.00	-14.81	0.00	14.81	735.32	367.66	502.65	248.24	23.90	-1.81	0.071
139.00	-8.09	-1.29	0.00	-14.16	0.00	14.16	732.95	366.47	498.64	246.26	24.09	-1.81	0.069
139.50	-8.03	-1.28	0.00	-13.51	0.00	13.51	730.57	365.28	494.64	244.28	24.28	-1.82	0.066
140.00	-7.96	-1.28	0.00	-12.87	0.00	12.87	728.18	364.09	490.64	242.31	24.47	-1.82	0.064
140.50	-7.89	-1.27	0.00	-12.23	0.00	12.23	725.44	362.72	486.44	240.23	24.66	-1.83	0.062
141.00	-7.41	-1.15	0.00	-11.60	0.00	11.60	721.95	360.98	481.74	237.92	24.85	-1.83	0.059
141.50	-7.36	-1.14	0.00	-11.02	0.00	11.02	718.47	359.23	477.08	235.61	25.04	-1.84	0.057
142.00	-7.31	-1.13	0.00	-10.45	0.00	10.45	714.98	357.49	472.43	233.32	25.23	-1.84	0.055
142.50	-7.25	-1.13	0.00	-9.89	0.00	9.89	711.49	355.75	467.81	231.03	25.43	-1.85	0.053
143.00	-7.20	-1.12	0.00	-9.32	0.00	9.32	708.01	354.00	463.21	228.76	25.62	-1.85	0.051
143.50	-7.15	-1.11	0.00	-8.76	0.00	8.76	704.52	352.26	458.63	226.50	25.81	-1.86	0.049
144.00	-7.10	-1.10	0.00	-8.21	0.00	8.21	701.03	350.52	454.07	224.25	26.01	-1.86	0.047
144.50	-7.05	-1.09	0.00	-7.66	0.00	7.66	697.55	348.77	449.54	222.01	26.20	-1.86	0.045
145.00	-7.00	-1.08	0.00	-7.11	0.00	7.11	694.06	347.03	445.03	219.78	26.40	-1.87	0.042
145.50	-6.95	-1.07	0.00	-6.57	0.00	6.57	690.57	345.29	440.55	217.57	26.59	-1.87	0.040
146.00	-6.90	-1.07	0.00	-6.03	0.00	6.03	687.09	343.54	436.08	215.36	26.79	-1.87	0.038
146.50	-6.84	-1.06	0.00	-5.50	0.00	5.50	683.60	341.80	431.64	213.17	26.99	-1.88	0.036
147.00	-6.79	-1.05	0.00	-4.97	0.00	4.97	680.11	340.06	427.22	210.99	27.18	-1.88	0.034
147.50	-6.74	-1.04	0.00	-4.45	0.00	4.45	676.63	338.31	422.83	208.82	27.38	-1.88	0.031
148.00	-6.69	-1.03	0.00	-3.93	0.00	3.93	673.14	336.57	418.45	206.66	27.58	-1.88	0.029
148.50	-6.65	-1.02	0.00	-3.41	0.00	3.41	669.65	334.83	414.10	204.51	27.77	-1.88	0.027
149.00	-6.60	-1.02	0.00	-2.90	0.00	2.90	666.16	333.08	409.78	202.37	27.97	-1.89	0.024
149.50	-6.55	-1.01	0.00	-2.39	0.00	2.39	662.68	331.34	405.47	200.25	28.17	-1.89	0.022
150.00	0.00	-0.79	0.00	-1.89	0.00	1.89	659.19	329.60	401.19	198.13	28.37	-1.89	0.010

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:02 AM

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	61.8	10.5	135.1	0.0	0.0
9.00		10.5	73.2					0.0	61.8	10.5	135.0	0.0	0.0
9.50		10.4	73.0					0.0	61.8	10.4	134.8	0.0	0.0
10.00		10.4	72.9					0.0	61.8	10.4	134.6	0.0	0.0
10.50		10.4	72.7					0.0	61.8	10.4	134.5	0.0	0.0
11.00		10.4	72.6					0.0	61.8	10.4	134.3	0.0	0.0
11.50		10.3	72.4					0.0	61.8	10.3	134.2	0.0	0.0
12.00		10.3	72.2					0.0	61.8	10.3	134.0	0.0	0.0
12.50		10.3	72.1					0.0	61.8	10.3	133.8	0.0	0.0
13.00		10.3	71.9					0.0	61.8	10.3	133.7	0.0	0.0
13.50		10.3	71.8					0.0	61.8	10.3	133.5	0.0	0.0
14.00		10.2	71.6					0.0	61.8	10.2	133.4	0.0	0.0
14.50		10.2	71.4					0.0	61.8	10.2	133.2	0.0	0.0
15.00		10.2	71.3					0.0	61.8	10.2	133.0	0.0	0.0
15.50		10.2	71.1					0.0	61.8	10.2	132.9	0.0	0.0
16.00		10.1	71.0					0.0	61.8	10.1	132.7	0.0	0.0
16.50		10.1	70.8					0.0	61.8	10.1	132.6	0.0	0.0
17.00		10.1	70.6					0.0	61.8	10.1	132.4	0.0	0.0
17.50		10.1	70.5					0.0	61.8	10.1	132.2	0.0	0.0
18.00		10.1	70.3					0.0	61.8	10.1	132.1	0.0	0.0
18.50		10.0	70.1					0.0	61.8	10.0	131.9	0.0	0.0
19.00		10.0	70.0					0.0	61.8	10.0	131.7	0.0	0.0
19.50		10.0	69.8					0.0	61.8	10.0	131.6	0.0	0.0
20.00		10.0	69.7					0.0	61.8	10.0	131.4	0.0	0.0
20.50		9.9	69.5					0.0	61.8	9.9	131.3	0.0	0.0
21.00		9.9	69.3					0.0	61.8	9.9	131.1	0.0	0.0
21.50		9.9	69.2					0.0	61.8	9.9	130.9	0.0	0.0
22.00		9.9	69.0					0.0	61.8	9.9	130.8	0.0	0.0
22.50		9.8	68.9					0.0	61.8	9.8	130.6	0.0	0.0
23.00		9.8	68.7					0.0	61.8	9.8	130.5	0.0	0.0
23.50		9.8	68.5					0.0	61.8	9.8	130.3	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:15 AM

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	66.4	0.0	61.8	9.8	130.1	0.0	0.0	
24.50	9.8	68.2	0.0	61.8	9.8	130.0	0.0	0.0	
25.00	9.7	68.1	0.0	61.8	9.7	129.8	0.0	0.0	
25.50	9.7	67.9	0.0	61.8	9.7	129.7	0.0	0.0	
26.00	9.7	67.7	0.0	61.8	9.7	129.5	0.0	0.0	
26.50	9.7	67.6	0.0	61.8	9.7	129.3	0.0	0.0	
27.00	9.6	67.4	0.0	61.8	9.6	129.2	0.0	0.0	
27.50	9.6	67.3	0.0	61.8	9.6	129.0	0.0	0.0	
28.00	9.6	67.1	0.0	61.8	9.6	128.8	0.0	0.0	
28.50	9.6	66.9	0.0	61.8	9.6	128.7	0.0	0.0	
29.00	9.5	66.8	0.0	61.8	9.5	128.5	0.0	0.0	
29.50	9.5	66.6	0.0	61.8	9.5	128.4	0.0	0.0	
30.00	9.5	66.4	0.0	61.8	9.5	128.2	0.0	0.0	
30.50	9.5	66.3	0.0	61.8	9.5	128.0	0.0	0.0	
31.00	9.6	66.1	0.0	61.8	9.6	127.9	0.0	0.0	
31.50	Bot - Section 2	9.7	66.0	0.0	61.8	9.7	127.7	0.0	0.0
32.00		9.8	121.8	0.0	61.8	9.8	183.6	0.0	0.0
32.50		9.8	121.5	0.0	61.8	9.8	183.3	0.0	0.0
33.00		9.8	121.2	0.0	61.8	9.8	183.0	0.0	0.0
33.50		9.8	120.9	0.0	61.8	9.8	182.7	0.0	0.0
34.00		9.9	120.6	0.0	61.8	9.9	182.4	0.0	0.0
34.50		9.9	120.3	0.0	61.8	9.9	182.1	0.0	0.0
35.00		9.9	120.0	0.0	61.8	9.9	181.8	0.0	0.0
35.50		6.6	119.7	0.0	61.8	6.6	181.5	0.0	0.0
35.67	Top - Section 1	5.0	39.8	0.0	20.6	5.0	60.4	0.0	0.0
36.00		8.3	36.6	0.0	41.2	8.3	77.8	0.0	0.0
36.50		6.7	54.8	0.0	61.8	6.7	116.6	0.0	0.0
36.67	Reinf. Top Reinf	5.0	18.6	0.0	21.0	5.0	39.6	0.0	0.0
37.00		8.3	36.1	0.0	36.6	8.3	72.6	0.0	0.0
37.50		10.0	54.5	0.0	55.4	10.0	109.9	0.0	0.0
38.00		10.0	54.4	0.0	55.4	10.0	109.8	0.0	0.0
38.50		10.0	54.3	0.0	55.4	10.0	109.7	0.0	0.0
39.00		10.0	54.1	0.0	55.4	10.0	109.5	0.0	0.0
39.50		10.0	54.0	0.0	55.4	10.0	109.4	0.0	0.0
40.00		10.0	53.9	0.0	55.4	10.0	109.3	0.0	0.0
40.50		10.0	53.7	0.0	55.4	10.0	109.1	0.0	0.0
41.00		10.0	53.6	0.0	55.4	10.0	109.0	0.0	0.0
41.50		10.1	53.5	0.0	55.4	10.1	108.8	0.0	0.0
42.00		10.1	53.3	0.0	55.4	10.1	108.7	0.0	0.0
42.50		10.1	53.2	0.0	55.4	10.1	108.6	0.0	0.0
43.00		10.1	53.1	0.0	55.4	10.1	108.4	0.0	0.0
43.50		10.1	52.9	0.0	55.4	10.1	108.3	0.0	0.0
44.00		10.1	52.8	0.0	55.4	10.1	108.2	0.0	0.0
44.50		10.1	52.7	0.0	55.4	10.1	108.0	0.0	0.0
45.00		10.1	52.5	0.0	55.4	10.1	107.9	0.0	0.0
45.50		10.1	52.4	0.0	55.4	10.1	107.8	0.0	0.0
46.00		10.1	52.3	0.0	55.4	10.1	107.6	0.0	0.0
46.50		10.1	52.1	0.0	55.4	10.1	107.5	0.0	0.0
47.00		10.1	52.0	0.0	55.4	10.1	107.4	0.0	0.0
47.50		10.1	51.9	0.0	55.4	10.1	107.2	0.0	0.0
48.00		10.1	51.7	0.0	55.4	10.1	107.1	0.0	0.0
48.50		10.2	51.6	0.0	55.4	10.2	107.0	0.0	0.0
49.00		10.2	51.5	0.0	55.4	10.2	106.8	0.0	0.0
49.50		10.2	51.3	0.0	55.4	10.2	106.7	0.0	0.0
50.00		10.2	51.2	0.0	55.4	10.2	106.6	0.0	0.0
50.50		10.2	51.0	0.0	55.4	10.2	106.4	0.0	0.0
51.00		10.2	50.9	0.0	55.4	10.2	106.3	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:15 AM

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	55.4	10.2	106.2	0.0	0.0
52.00	10.2	50.6	0.0	55.4	10.2	106.0	0.0	0.0
52.50	10.2	50.5	0.0	55.4	10.2	105.9	0.0	0.0
53.00	10.2	50.4	0.0	55.4	10.2	105.8	0.0	0.0
53.50	10.2	50.2	0.0	55.4	10.2	105.6	0.0	0.0
54.00	10.2	50.1	0.0	55.4	10.2	105.5	0.0	0.0
54.50	10.2	50.0	0.0	55.4	10.2	105.4	0.0	0.0
55.00	10.2	49.8	0.0	55.4	10.2	105.2	0.0	0.0
55.50	10.2	49.7	0.0	55.4	10.2	105.1	0.0	0.0
56.00	10.2	49.6	0.0	55.4	10.2	105.0	0.0	0.0
56.50	10.2	49.4	0.0	55.4	10.2	104.8	0.0	0.0
57.00	10.2	49.3	0.0	55.4	10.2	104.7	0.0	0.0
57.50	10.2	49.2	0.0	55.4	10.2	104.6	0.0	0.0
58.00	10.2	49.0	0.0	55.4	10.2	104.4	0.0	0.0
58.50	10.2	48.9	0.0	55.4	10.2	104.3	0.0	0.0
59.00	10.2	48.8	0.0	55.4	10.2	104.2	0.0	0.0
59.50	10.2	48.6	0.0	55.4	10.2	104.0	0.0	0.0
60.00	10.1	48.5	0.0	55.4	10.1	103.9	0.0	0.0
60.50	10.1	48.4	0.0	55.4	10.1	103.8	0.0	0.0
61.00	10.1	48.2	0.0	55.4	10.1	103.6	0.0	0.0
61.50	10.1	48.1	0.0	55.4	10.1	103.5	0.0	0.0
62.00	10.1	48.0	0.0	55.4	10.1	103.3	0.0	0.0
62.50	10.1	47.8	0.0	55.4	10.1	103.2	0.0	0.0
63.00	10.1	47.7	0.0	55.4	10.1	103.1	0.0	0.0
63.50	10.1	47.6	0.0	55.4	10.1	102.9	0.0	0.0
64.00	10.1	47.4	0.0	55.4	10.1	102.8	0.0	0.0
64.50	10.1	47.3	0.0	55.4	10.1	102.7	0.0	0.0
65.00	10.1	47.2	0.0	55.4	10.1	102.5	0.0	0.0
65.50	10.1	47.0	0.0	55.4	10.1	102.4	0.0	0.0
66.00	10.1	46.9	0.0	55.4	10.1	102.3	0.0	0.0
66.50	10.1	46.8	0.0	55.4	10.1	102.1	0.0	0.0
67.00	10.1	46.6	0.0	55.4	10.1	102.0	0.0	0.0
67.50	10.1	46.5	0.0	55.4	10.1	101.9	0.0	0.0
68.00	10.1	46.4	0.0	55.4	10.1	101.7	0.0	0.0
68.50	10.0	46.2	0.0	55.4	10.0	101.6	0.0	0.0
69.00	10.0	46.1	0.0	55.4	10.0	101.5	0.0	0.0
69.50	10.0	46.0	0.0	55.4	10.0	101.3	0.0	0.0
70.00	Bot - Section 3	45.8	0.0	55.4	10.1	101.2	0.0	0.0
70.50		83.0	0.0	55.4	10.2	138.4	0.0	0.0
71.00		82.8	0.0	55.4	10.2	138.1	0.0	0.0
71.50		82.5	0.0	55.4	10.2	137.9	0.0	0.0
72.00		82.3	0.0	55.4	10.2	137.7	0.0	0.0
72.50		82.0	0.0	55.4	10.2	137.4	0.0	0.0
73.00		81.8	0.0	55.4	8.4	137.2	0.0	0.0
73.33	Reinf. Top Reinf	5.1	0.0	36.6	5.1	90.4	0.0	0.0
73.50	Top - Section 2	27.7	0.0	16.7	6.8	44.4	0.0	0.0
74.00		36.6	0.0	49.1	10.1	85.7	0.0	0.0
74.50		36.5	0.0	49.1	10.1	85.5	0.0	0.0
75.00		36.4	0.0	49.1	10.1	85.4	0.0	0.0
75.50		36.2	0.0	49.1	10.1	85.3	0.0	0.0
76.00		36.1	0.0	49.1	10.1	85.2	0.0	0.0
76.50		36.0	0.0	49.1	10.1	85.1	0.0	0.0
77.00		35.9	0.0	49.1	10.1	85.0	0.0	0.0
77.50		35.8	0.0	49.1	10.1	84.9	0.0	0.0
78.00		35.7	0.0	49.1	10.1	84.8	0.0	0.0
78.50		35.6	0.0	49.1	10.0	84.7	0.0	0.0
79.00		35.5	0.0	49.1	10.0	84.6	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:15 AM

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	49.1	10.0	84.5	0.0	0.0
80.00	10.0	35.3	0.0	49.1	10.0	84.4	0.0	0.0
80.50	10.0	35.2	0.0	49.1	10.0	84.3	0.0	0.0
81.00	10.0	35.1	0.0	49.1	10.0	84.1	0.0	0.0
81.50	10.0	35.0	0.0	49.1	10.0	84.0	0.0	0.0
82.00	10.0	34.8	0.0	49.1	10.0	83.9	0.0	0.0
82.50	9.9	34.7	0.0	49.1	9.9	83.8	0.0	0.0
83.00	9.9	34.6	0.0	49.1	9.9	83.7	0.0	0.0
83.50	9.9	34.5	0.0	49.1	9.9	83.6	0.0	0.0
84.00	9.9	34.4	0.0	49.1	9.9	83.5	0.0	0.0
84.50	9.9	34.3	0.0	49.1	9.9	83.4	0.0	0.0
85.00	9.9	34.2	0.0	49.1	9.9	83.3	0.0	0.0
85.50	9.9	34.1	0.0	49.1	9.9	83.2	0.0	0.0
86.00	9.8	34.0	0.0	49.1	9.8	83.1	0.0	0.0
86.50	9.8	33.9	0.0	49.1	9.8	83.0	0.0	0.0
87.00	9.8	33.8	0.0	49.1	9.8	82.9	0.0	0.0
87.50	9.8	33.7	0.0	49.1	9.8	82.8	0.0	0.0
88.00	9.8	33.6	0.0	49.1	9.8	82.6	0.0	0.0
88.50	9.8	33.5	0.0	49.1	9.8	82.5	0.0	0.0
89.00	9.8	33.3	0.0	49.1	9.8	82.4	0.0	0.0
89.50	9.7	33.2	0.0	49.1	9.7	82.3	0.0	0.0
90.00	9.7	33.1	0.0	49.1	9.7	82.2	0.0	0.0
90.50	9.7	33.0	0.0	49.1	9.7	82.1	0.0	0.0
91.00	9.7	32.9	0.0	49.1	9.7	82.0	0.0	0.0
91.50	9.7	32.8	0.0	49.1	9.7	81.9	0.0	0.0
92.00	9.7	32.7	0.0	49.1	9.7	81.8	0.0	0.0
92.50	9.6	32.6	0.0	49.1	9.6	81.7	0.0	0.0
93.00	9.6	32.5	0.0	49.1	9.6	81.6	0.0	0.0
93.50	9.6	32.4	0.0	49.1	9.6	81.5	0.0	0.0
94.00	9.6	32.3	0.0	49.1	9.6	81.4	0.0	0.0
94.50	9.6	32.2	0.0	49.1	9.6	81.3	0.0	0.0
95.00	9.6	32.1	0.0	49.1	9.6	81.1	0.0	0.0
95.50	9.5	32.0	0.0	49.1	9.5	81.0	0.0	0.0
96.00	9.5	31.8	0.0	49.1	9.5	80.9	0.0	0.0
96.50	9.5	31.7	0.0	49.1	9.5	80.8	0.0	0.0
97.00	9.5	31.6	0.0	49.1	9.5	80.7	0.0	0.0
97.50	9.5	31.5	0.0	49.1	9.5	80.6	0.0	0.0
98.00	9.4	31.4	0.0	49.1	9.4	80.5	0.0	0.0
98.50	9.4	31.3	0.0	49.1	9.4	80.4	0.0	0.0
99.00	9.4	31.2	0.0	49.1	9.4	80.3	0.0	0.0
99.50	9.4	31.1	0.0	49.1	9.4	80.2	0.0	0.0
100.00	9.4	31.0	0.0	49.1	9.4	80.1	0.0	0.0
100.50	9.4	30.9	0.0	49.1	9.4	80.0	0.0	0.0
101.00	9.3	30.8	0.0	49.1	9.3	79.9	0.0	0.0
101.50	9.3	30.7	0.0	49.1	9.3	79.7	0.0	0.0
102.00	9.3	30.6	0.0	49.1	9.3	79.6	0.0	0.0
102.50	9.3	30.4	0.0	49.1	9.3	79.5	0.0	0.0
103.00	9.3	30.3	0.0	49.1	9.3	79.4	0.0	0.0
103.50	9.2	30.2	0.0	49.1	9.2	79.3	0.0	0.0
104.00	9.2	30.1	0.0	49.1	9.2	79.2	0.0	0.0
104.50	9.2	30.0	0.0	49.1	9.2	79.1	0.0	0.0
105.00	9.2	29.9	0.0	49.1	9.2	79.0	0.0	0.0
105.50	9.2	29.8	0.0	49.1	9.2	78.9	0.0	0.0
106.00	9.1	29.7	0.0	49.1	9.1	78.8	0.0	0.0
106.50	9.1	29.6	0.0	49.1	9.1	78.7	0.0	0.0
107.00	9.1	29.5	0.0	49.1	9.1	78.6	0.0	0.0
107.50	9.1	29.4	0.0	49.1	9.1	78.5	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:15 AM

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	49.1	9.1	78.4	0.0	0.0	
108.50	9.0	29.2	0.0	49.1	9.0	78.2	0.0	0.0	
109.00	9.0	29.1	0.0	49.1	9.0	78.1	0.0	0.0	
109.50	9.0	28.9	0.0	49.1	9.0	78.0	0.0	0.0	
110.00	Top - Section 3	9.0	28.8	0.0	49.1	9.0	77.9	0.0	0.0
110.50		9.0	21.6	0.0	42.7	9.0	64.3	0.0	0.0
111.00		8.9	21.5	0.0	42.6	8.9	64.2	0.0	0.0
111.50		8.9	21.5	0.0	42.6	8.9	64.1	0.0	0.0
112.00		8.9	21.4	0.0	42.6	8.9	64.0	0.0	0.0
112.50		8.9	21.3	0.0	42.6	8.9	63.9	0.0	0.0
113.00		8.8	21.2	0.0	42.6	8.8	63.9	0.0	0.0
113.50		8.8	21.1	0.0	42.6	8.8	63.8	0.0	0.0
114.00		8.8	21.1	0.0	42.6	8.8	63.7	0.0	0.0
114.50		8.8	21.0	0.0	42.6	8.8	63.6	0.0	0.0
115.00		8.8	20.9	0.0	42.6	8.8	63.5	0.0	0.0
115.50		8.7	20.8	0.0	42.6	8.7	63.5	0.0	0.0
116.00		8.7	20.7	0.0	42.6	8.7	63.4	0.0	0.0
116.50	Reinf. Top	8.7	20.6	0.0	42.6	8.7	63.3	0.0	0.0
117.00		8.7	20.6	0.0	17.1	8.7	37.7	0.0	0.0
117.50		8.6	20.5	0.0	17.1	8.6	37.6	0.0	0.0
118.00		8.6	20.4	0.0	17.1	8.6	37.5	0.0	0.0
118.50		8.6	20.3	0.0	17.1	8.6	37.5	0.0	0.0
119.00		8.6	20.2	0.0	17.1	8.6	37.4	0.0	0.0
119.50		8.5	20.2	0.0	17.1	8.5	37.3	0.0	0.0
120.00		8.5	20.1	0.0	17.1	8.5	37.2	0.0	0.0
120.50		8.5	20.0	0.0	17.1	8.5	37.1	0.0	0.0
121.00		8.5	19.9	0.0	17.1	8.5	37.1	0.0	0.0
121.50		8.4	19.8	0.0	17.1	8.4	37.0	0.0	0.0
122.00		8.4	19.8	0.0	17.1	8.4	36.9	0.0	0.0
122.50		8.4	19.7	0.0	17.1	8.4	36.8	0.0	0.0
123.00		8.4	19.6	0.0	17.1	8.4	36.7	0.0	0.0
123.50		8.4	19.5	0.0	17.1	8.4	36.7	0.0	0.0
124.00		8.3	19.4	0.0	17.1	8.3	36.6	0.0	0.0
124.50		8.3	19.4	0.0	17.1	8.3	36.5	0.0	0.0
125.00		8.3	19.3	0.0	17.1	8.3	36.4	0.0	0.0
125.50		8.3	19.2	0.0	17.1	8.3	36.3	0.0	0.0
126.00		8.2	19.1	0.0	17.1	8.2	36.3	0.0	0.0
126.50		8.2	19.0	0.0	17.1	8.2	36.2	0.0	0.0
127.00		8.2	19.0	0.0	17.1	8.2	36.1	0.0	0.0
127.50		8.2	18.9	0.0	17.1	8.2	36.0	0.0	0.0
128.00		8.1	18.8	0.0	17.1	8.1	35.9	0.0	0.0
128.50		8.1	18.7	0.0	17.1	8.1	35.9	0.0	0.0
129.00		8.1	18.6	0.0	17.1	8.1	35.8	0.0	0.0
129.50		8.1	18.6	0.0	17.1	8.1	35.7	0.0	0.0
130.00		8.0	18.5	0.0	17.1	8.0	35.6	0.0	0.0
130.50		8.0	18.4	0.0	17.1	8.0	35.5	0.0	0.0
131.00	Appertunance(s)	8.0	18.3	759.9	0.0	0.0	2,588.1	0.0	0.0
131.50		7.9	18.2	0.0	12.6	7.9	30.8	0.0	0.0
132.00		7.9	18.2	0.0	12.6	7.9	30.8	0.0	0.0
132.50		7.9	18.1	0.0	12.6	7.9	30.7	0.0	0.0
133.00		7.9	18.0	0.0	12.6	7.9	30.6	0.0	0.0
133.50		7.8	17.9	0.0	12.6	7.8	30.5	0.0	0.0
134.00		7.8	17.8	0.0	12.6	7.8	30.4	0.0	0.0
134.50		7.8	17.8	0.0	12.6	7.8	30.4	0.0	0.0
135.00		7.8	17.7	0.0	12.6	7.8	30.3	0.0	0.0
135.50		7.7	17.6	0.0	12.6	7.7	30.2	0.0	0.0
136.00		7.7	17.5	0.0	12.6	7.7	30.1	0.0	0.0

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:15 AM

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	12.6	7.7	30.0	0.0	0.0	
137.00		7.7	17.3				0.0	12.6	7.7	30.0	0.0	0.0	
137.50		7.6	17.3				0.0	12.6	7.6	29.9	0.0	0.0	
138.00		7.6	17.2				0.0	12.6	7.6	29.8	0.0	0.0	
138.50		7.6	17.1				0.0	12.6	7.6	29.7	0.0	0.0	
139.00		7.5	17.0				0.0	12.6	7.5	29.6	0.0	0.0	
139.50		7.5	16.9				0.0	12.6	7.5	29.6	0.0	0.0	
140.00		7.5	16.9				0.0	12.6	7.5	29.5	0.0	0.0	
140.50		7.5	16.8				0.0	12.6	7.5	29.4	0.0	0.0	
141.00	Appertunance(s)	7.4	16.7	107.5	0.0	0.0	66.0	0.0	12.6	115.0	95.3	0.0	0.0
141.50		7.4	16.6					0.0	10.2	7.4	26.8	0.0	0.0
142.00		7.4	16.5					0.0	10.2	7.4	26.7	0.0	0.0
142.50		7.3	16.5					0.0	10.2	7.3	26.6	0.0	0.0
143.00		7.3	16.4					0.0	10.2	7.3	26.5	0.0	0.0
143.50		7.3	16.3					0.0	10.2	7.3	26.5	0.0	0.0
144.00		7.3	16.2					0.0	10.2	7.3	26.4	0.0	0.0
144.50		7.2	16.1					0.0	10.2	7.2	26.3	0.0	0.0
145.00		7.2	16.1					0.0	10.2	7.2	26.2	0.0	0.0
145.50		7.2	16.0					0.0	10.2	7.2	26.1	0.0	0.0
146.00		7.1	15.9					0.0	10.2	7.1	26.1	0.0	0.0
146.50		7.1	15.8					0.0	10.2	7.1	26.0	0.0	0.0
147.00		7.1	15.7					0.0	10.2	7.1	25.9	0.0	0.0
147.50		7.1	15.7					0.0	10.2	7.1	25.8	0.0	0.0
148.00		7.0	15.6					0.0	10.2	7.0	25.7	0.0	0.0
148.50		7.0	15.5					0.0	10.2	7.0	25.7	0.0	0.0
149.00		7.0	15.4					0.0	10.2	7.0	25.6	0.0	0.0
149.50		6.9	15.3					0.0	10.2	6.9	25.5	0.0	0.0
150.00	Appertunance(s)	3.5	15.3	738.1	0.0	1,961.1	2,788.8	0.0	10.2	741.5	2,814.2	0.0	0.0
								Totals:	4,435.18	32,217.2	0.00	0.00	

Site Number: 302494

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:15 AM

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	-32.22	-4.43	0.00	-450.49	0.00	450.49	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.122
0.50	-32.10	-4.42	0.00	-448.28	0.00	448.28	3,152.93	1,576.47	4,795.55	2,368.34	0.00	-0.01	0.122
1.00	-31.98	-4.41	0.00	-446.07	0.00	446.07	3,148.69	1,574.34	4,778.83	2,360.09	0.00	-0.01	0.122
1.50	-31.85	-4.40	0.00	-443.87	0.00	443.87	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.02	0.122
2.00	-31.73	-4.40	0.00	-441.66	0.00	441.66	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.02	0.121
2.50	-31.61	-4.39	0.00	-439.47	0.00	439.47	3,135.89	1,567.94	4,728.75	2,335.35	0.01	-0.03	0.121
3.00	-31.49	-4.38	0.00	-437.27	0.00	437.27	3,131.60	1,565.80	4,712.08	2,327.12	0.01	-0.03	0.121
3.50	-31.37	-4.37	0.00	-435.08	0.00	435.08	3,127.31	1,563.65	4,695.42	2,318.89	0.01	-0.04	0.120
4.00	-31.25	-4.36	0.00	-432.90	0.00	432.90	3,123.00	1,561.50	4,678.77	2,310.67	0.02	-0.04	0.120
4.50	-31.13	-4.36	0.00	-430.71	0.00	430.71	3,118.68	1,559.34	4,662.14	2,302.45	0.02	-0.05	0.120
5.00	-31.01	-4.35	0.00	-428.54	0.00	428.54	3,114.35	1,557.18	4,645.51	2,294.24	0.03	-0.05	0.119
5.50	-30.90	-4.34	0.00	-426.36	0.00	426.36	3,110.02	1,555.01	4,628.91	2,286.04	0.03	-0.06	0.119
6.00	-30.78	-4.33	0.00	-424.19	0.00	424.19	3,105.67	1,552.83	4,612.31	2,277.85	0.04	-0.06	0.119
6.50	-30.66	-4.32	0.00	-422.03	0.00	422.03	3,101.31	1,550.65	4,595.73	2,269.66	0.04	-0.07	0.119
7.00	-30.54	-4.32	0.00	-419.87	0.00	419.87	3,096.94	1,548.47	4,579.16	2,261.47	0.05	-0.07	0.118
7.50	-30.42	-4.31	0.00	-417.71	0.00	417.71	3,092.56	1,546.28	4,562.60	2,253.30	0.06	-0.08	0.118
8.00	-30.30	-4.30	0.00	-415.55	0.00	415.55	3,088.17	1,544.08	4,546.06	2,245.13	0.07	-0.08	0.118
8.50	-30.17	-4.29	0.00	-413.41	0.00	413.41	3,083.77	1,541.88	4,529.53	2,236.96	0.08	-0.09	0.117
9.00	-30.03	-4.28	0.00	-411.26	0.00	411.26	3,079.36	1,539.68	4,513.01	2,228.81	0.09	-0.09	0.117
9.50	-29.90	-4.28	0.00	-409.12	0.00	409.12	3,074.94	1,537.47	4,496.51	2,220.66	0.10	-0.10	0.117
10.00	-29.76	-4.27	0.00	-406.98	0.00	406.98	3,070.50	1,535.25	4,480.02	2,212.51	0.11	-0.10	0.116
10.50	-29.63	-4.26	0.00	-404.85	0.00	404.85	3,066.06	1,533.03	4,463.54	2,204.38	0.12	-0.11	0.116
11.00	-29.49	-4.25	0.00	-402.72	0.00	402.72	3,061.61	1,530.80	4,447.08	2,196.25	0.13	-0.11	0.116
11.50	-29.36	-4.24	0.00	-400.59	0.00	400.59	3,057.15	1,528.57	4,430.63	2,188.12	0.14	-0.12	0.116
12.00	-29.22	-4.24	0.00	-398.47	0.00	398.47	3,052.67	1,526.34	4,414.20	2,180.01	0.15	-0.12	0.115
12.50	-29.09	-4.23	0.00	-396.35	0.00	396.35	3,048.19	1,524.09	4,397.78	2,171.90	0.17	-0.13	0.115
13.00	-28.95	-4.22	0.00	-394.24	0.00	394.24	3,043.69	1,521.85	4,381.37	2,163.80	0.18	-0.13	0.115
13.50	-28.82	-4.21	0.00	-392.13	0.00	392.13	3,039.19	1,519.59	4,364.98	2,155.70	0.19	-0.14	0.114
14.00	-28.69	-4.20	0.00	-390.02	0.00	390.02	3,034.67	1,517.34	4,348.61	2,147.61	0.21	-0.14	0.114
14.50	-28.55	-4.20	0.00	-387.92	0.00	387.92	3,030.15	1,515.07	4,332.24	2,139.53	0.22	-0.15	0.114
15.00	-28.42	-4.19	0.00	-385.82	0.00	385.82	3,025.61	1,512.81	4,315.90	2,131.46	0.24	-0.15	0.113
15.50	-28.29	-4.18	0.00	-383.73	0.00	383.73	3,021.07	1,510.53	4,299.57	2,123.39	0.25	-0.16	0.113
16.00	-28.15	-4.17	0.00	-381.64	0.00	381.64	3,016.51	1,508.25	4,283.25	2,115.33	0.27	-0.16	0.113
16.50	-28.02	-4.16	0.00	-379.56	0.00	379.56	3,011.94	1,505.97	4,266.95	2,107.28	0.29	-0.17	0.112
17.00	-27.89	-4.16	0.00	-377.47	0.00	377.47	3,007.37	1,503.68	4,250.66	2,099.24	0.31	-0.17	0.112
17.50	-27.75	-4.15	0.00	-375.40	0.00	375.40	3,002.78	1,501.39	4,234.39	2,091.20	0.32	-0.18	0.112
18.00	-27.62	-4.14	0.00	-373.32	0.00	373.32	2,998.18	1,499.09	4,218.13	2,083.18	0.34	-0.18	0.112
18.50	-27.49	-4.13	0.00	-371.25	0.00	371.25	2,993.57	1,496.79	4,201.89	2,075.15	0.36	-0.19	0.111
19.00	-27.36	-4.12	0.00	-369.19	0.00	369.19	2,988.95	1,494.48	4,185.66	2,067.14	0.38	-0.19	0.111
19.50	-27.23	-4.12	0.00	-367.13	0.00	367.13	2,984.32	1,492.16	4,169.45	2,059.13	0.40	-0.20	0.111
20.00	-27.09	-4.11	0.00	-365.07	0.00	365.07	2,979.68	1,489.84	4,153.25	2,051.14	0.42	-0.20	0.110
20.50	-26.96	-4.10	0.00	-363.02	0.00	363.02	2,975.03	1,487.52	4,137.08	2,043.15	0.45	-0.21	0.110
21.00	-26.83	-4.09	0.00	-360.97	0.00	360.97	2,970.37	1,485.19	4,120.91	2,035.16	0.47	-0.21	0.110
21.50	-26.70	-4.08	0.00	-358.92	0.00	358.92	2,965.70	1,482.85	4,104.77	2,027.19	0.49	-0.22	0.109
22.00	-26.57	-4.08	0.00	-356.88	0.00	356.88	2,961.02	1,480.51	4,088.63	2,019.22	0.51	-0.22	0.109
22.50	-26.44	-4.07	0.00	-354.84	0.00	354.84	2,956.33	1,478.16	4,072.52	2,011.26	0.54	-0.23	0.109
23.00	-26.31	-4.06	0.00	-352.81	0.00	352.81	2,951.62	1,475.81	4,056.42	2,003.31	0.56	-0.23	0.108
23.50	-26.18	-4.05	0.00	-350.78	0.00	350.78	2,946.91	1,473.46	4,040.34	1,995.37	0.59	-0.24	0.108
24.00	-26.05	-4.04	0.00	-348.75	0.00	348.75	2,942.19	1,471.09	4,024.27	1,987.44	0.61	-0.24	0.108
24.50	-25.92	-4.03	0.00	-346.73	0.00	346.73	2,937.46	1,468.73	4,008.22	1,979.51	0.64	-0.25	0.107
25.00	-25.79	-4.03	0.00	-344.71	0.00	344.71	2,932.71	1,466.36	3,992.19	1,971.59	0.66	-0.25	0.107

Load Case: 1.0D + 1.0W

Serviceability 60 mph

38 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

Wind Importance Factor 1.00

25.50	-25.66	-4.02	0.00	-342.70	0.00	342.70	2,927.96	1,463.98	3,976.18	1,963.68	0.69	-0.26	0.107
26.00	-25.53	-4.01	0.00	-340.69	0.00	340.69	2,923.19	1,461.60	3,960.18	1,955.78	0.72	-0.26	0.106
26.50	-25.40	-4.00	0.00	-338.69	0.00	338.69	2,918.42	1,459.21	3,944.20	1,947.89	0.74	-0.27	0.106
27.00	-25.27	-3.99	0.00	-336.68	0.00	336.68	2,913.63	1,456.82	3,928.23	1,940.01	0.77	-0.27	0.106
27.50	-25.14	-3.99	0.00	-334.69	0.00	334.69	2,910.08	1,455.04	3,913.96	1,932.96	0.80	-0.28	0.105
28.00	-25.01	-3.98	0.00	-332.69	0.00	332.69	2,903.11	1,451.55	3,895.11	1,923.65	0.83	-0.28	0.105
28.50	-24.88	-3.97	0.00	-330.70	0.00	330.70	2,896.13	1,448.07	3,876.32	1,914.37	0.86	-0.29	0.105
29.00	-24.75	-3.96	0.00	-328.72	0.00	328.72	2,889.16	1,444.58	3,857.57	1,905.11	0.89	-0.29	0.105
29.50	-24.62	-3.95	0.00	-326.74	0.00	326.74	2,882.19	1,441.09	3,838.86	1,895.87	0.92	-0.30	0.104
30.00	-24.49	-3.95	0.00	-324.76	0.00	324.76	2,875.21	1,437.61	3,820.20	1,886.65	0.95	-0.30	0.104
30.50	-24.36	-3.94	0.00	-322.79	0.00	322.79	2,868.24	1,434.12	3,801.59	1,877.46	0.99	-0.31	0.104
31.00	-24.24	-3.93	0.00	-320.82	0.00	320.82	2,861.26	1,430.63	3,783.02	1,868.29	1.02	-0.31	0.104
31.50	-24.11	-3.92	0.00	-318.85	0.00	318.85	2,854.29	1,427.15	3,764.50	1,859.14	1.05	-0.32	0.103
32.00	-23.92	-3.91	0.00	-316.89	0.00	316.89	2,847.32	1,423.66	3,746.02	1,850.02	1.09	-0.32	0.102
32.50	-23.74	-3.91	0.00	-314.93	0.00	314.93	2,840.34	1,420.17	3,727.58	1,840.91	1.12	-0.33	0.101
33.00	-23.56	-3.90	0.00	-312.98	0.00	312.98	2,833.37	1,416.69	3,709.20	1,831.83	1.16	-0.33	0.101
33.50	-23.38	-3.89	0.00	-311.03	0.00	311.03	2,826.40	1,413.20	3,690.85	1,822.77	1.19	-0.34	0.101
34.00	-23.19	-3.88	0.00	-309.09	0.00	309.09	2,819.42	1,409.71	3,672.56	1,813.74	1.23	-0.34	0.101
34.50	-23.01	-3.87	0.00	-307.15	0.00	307.15	2,812.45	1,406.22	3,654.31	1,804.72	1.26	-0.35	0.100
35.00	-22.83	-3.86	0.00	-305.22	0.00	305.22	2,805.48	1,402.74	3,636.10	1,795.73	1.30	-0.35	0.100
35.50	-22.65	-3.85	0.00	-303.28	0.00	303.28	2,798.50	1,399.25	3,617.94	1,786.76	1.34	-0.36	0.100
35.67	-22.59	-3.85	0.00	-302.64	0.00	302.64	2,248.07	1,124.03	2,973.91	1,468.70	1.35	-0.36	0.115
36.00	-22.51	-3.84	0.00	-301.36	0.00	301.36	2,245.83	1,122.91	2,966.06	1,464.83	1.38	-0.36	0.114
36.50	-22.39	-3.84	0.00	-299.44	0.00	299.44	2,242.46	1,121.23	2,954.30	1,459.02	1.41	-0.37	0.114
36.67	-22.35	-3.83	0.00	-298.79	0.00	298.79	2,241.31	1,120.65	2,950.31	1,457.05	1.43	-0.37	0.114
36.67	-22.35	-3.83	0.00	-298.79	0.00	298.79	2,241.31	1,120.65	2,950.31	1,457.05	1.43	-0.37	0.122
37.00	-22.28	-3.83	0.00	-297.52	0.00	297.52	2,239.08	1,119.54	2,942.55	1,453.22	1.45	-0.38	0.122
37.50	-22.17	-3.82	0.00	-295.61	0.00	295.61	2,235.69	1,117.84	2,930.81	1,447.42	1.49	-0.38	0.121
38.00	-22.06	-3.81	0.00	-293.70	0.00	293.70	2,232.29	1,116.14	2,919.08	1,441.62	1.53	-0.39	0.121
38.50	-21.95	-3.80	0.00	-291.80	0.00	291.80	2,228.88	1,114.44	2,907.36	1,435.83	1.57	-0.39	0.121
39.00	-21.84	-3.79	0.00	-289.90	0.00	289.90	2,225.46	1,112.73	2,895.64	1,430.05	1.62	-0.40	0.120
39.50	-21.73	-3.78	0.00	-288.00	0.00	288.00	2,222.03	1,111.01	2,883.93	1,424.27	1.66	-0.40	0.120
40.00	-21.62	-3.77	0.00	-286.11	0.00	286.11	2,218.59	1,109.29	2,872.23	1,418.49	1.70	-0.41	0.119
40.50	-21.51	-3.77	0.00	-284.22	0.00	284.22	2,215.14	1,107.57	2,860.55	1,412.72	1.74	-0.42	0.119
41.00	-21.40	-3.76	0.00	-282.34	0.00	282.34	2,211.67	1,105.84	2,848.87	1,406.95	1.79	-0.42	0.118
41.50	-21.29	-3.75	0.00	-280.46	0.00	280.46	2,208.20	1,104.10	2,837.20	1,401.18	1.83	-0.43	0.118
42.00	-21.18	-3.74	0.00	-278.59	0.00	278.59	2,204.72	1,102.36	2,825.53	1,395.42	1.88	-0.43	0.117
42.50	-21.07	-3.73	0.00	-276.72	0.00	276.72	2,201.23	1,100.61	2,813.88	1,389.67	1.92	-0.44	0.117
43.00	-20.96	-3.72	0.00	-274.85	0.00	274.85	2,197.72	1,098.86	2,802.24	1,383.92	1.97	-0.44	0.117
43.50	-20.86	-3.71	0.00	-272.99	0.00	272.99	2,194.21	1,097.10	2,790.61	1,378.18	2.02	-0.45	0.116
44.00	-20.75	-3.70	0.00	-271.13	0.00	271.13	2,190.68	1,095.34	2,778.98	1,372.44	2.06	-0.46	0.116
44.50	-20.64	-3.70	0.00	-269.28	0.00	269.28	2,187.15	1,093.57	2,767.37	1,366.70	2.11	-0.46	0.115
45.00	-20.53	-3.69	0.00	-267.43	0.00	267.43	2,183.60	1,091.80	2,755.77	1,360.97	2.16	-0.47	0.115
45.50	-20.42	-3.68	0.00	-265.59	0.00	265.59	2,180.05	1,090.02	2,744.17	1,355.24	2.21	-0.47	0.114
46.00	-20.31	-3.67	0.00	-263.75	0.00	263.75	2,176.48	1,088.24	2,732.59	1,349.52	2.26	-0.48	0.114
46.50	-20.21	-3.66	0.00	-261.92	0.00	261.92	2,172.91	1,086.45	2,721.02	1,343.81	2.31	-0.48	0.113
47.00	-20.10	-3.65	0.00	-260.09	0.00	260.09	2,169.32	1,084.66	2,709.45	1,338.10	2.36	-0.49	0.113
47.50	-19.99	-3.64	0.00	-258.26	0.00	258.26	2,165.72	1,082.86	2,697.90	1,332.39	2.41	-0.50	0.112
48.00	-19.88	-3.63	0.00	-256.44	0.00	256.44	2,162.11	1,081.06	2,686.36	1,326.69	2.46	-0.50	0.112
48.50	-19.78	-3.62	0.00	-254.63	0.00	254.63	2,158.50	1,079.25	2,674.83	1,321.00	2.52	-0.51	0.111
49.00	-19.67	-3.61	0.00	-252.82	0.00	252.82	2,154.87	1,077.43	2,663.31	1,315.31	2.57	-0.51	0.111
49.50	-19.56	-3.60	0.00	-251.01	0.00	251.01	2,151.23	1,075.61	2,651.80	1,309.62	2.62	-0.52	0.111
50.00	-19.46	-3.60	0.00	-249.21	0.00	249.21	2,147.58	1,073.79	2,640.30	1,303.95	2.68	-0.52	0.110
50.50	-19.35	-3.59	0.00	-247.41	0.00	247.41	2,143.92	1,071.96	2,628.81	1,298.27	2.73	-0.53	0.110
51.00	-19.24	-3.58	0.00	-245.62	0.00	245.62	2,140.25	1,070.13	2,617.34	1,292.60	2.79	-0.54	0.109
51.50	-19.14	-3.57	0.00	-243.83	0.00	243.83	2,136.57	1,068.29	2,605.87	1,286.94	2.85	-0.54	0.109
52.00	-19.03	-3.56	0.00	-242.04	0.00	242.04	2,132.88	1,066.44	2,594.42	1,281.29	2.90	-0.55	0.108

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	-18.92	-3.55	0.00	-240.26	0.00	240.26	2,129.18	1,064.59	2,582.98	1,275.64	2.96	-0.55	0.108
53.00	-18.82	-3.54	0.00	-238.49	0.00	238.49	2,125.47	1,062.73	2,571.55	1,269.99	3.02	-0.56	0.107
53.50	-18.71	-3.53	0.00	-236.72	0.00	236.72	2,121.75	1,060.87	2,560.13	1,264.35	3.08	-0.56	0.107
54.00	-18.61	-3.52	0.00	-234.96	0.00	234.96	2,118.01	1,059.01	2,548.72	1,258.72	3.14	-0.57	0.106
54.50	-18.50	-3.51	0.00	-233.19	0.00	233.19	2,114.27	1,057.14	2,537.32	1,253.09	3.20	-0.57	0.106
55.00	-18.40	-3.50	0.00	-231.44	0.00	231.44	2,110.52	1,055.26	2,525.94	1,247.47	3.26	-0.58	0.105
55.50	-18.29	-3.49	0.00	-229.69	0.00	229.69	2,106.75	1,053.38	2,514.57	1,241.85	3.32	-0.59	0.105
56.00	-18.19	-3.48	0.00	-227.94	0.00	227.94	2,102.98	1,051.49	2,503.21	1,236.24	3.38	-0.59	0.104
56.50	-18.08	-3.47	0.00	-226.20	0.00	226.20	2,099.20	1,049.60	2,491.86	1,230.64	3.44	-0.60	0.104
57.00	-17.98	-3.46	0.00	-224.46	0.00	224.46	2,095.40	1,047.70	2,480.53	1,225.04	3.50	-0.60	0.103
57.50	-17.87	-3.45	0.00	-222.73	0.00	222.73	2,091.60	1,045.80	2,469.21	1,219.45	3.57	-0.61	0.103
58.00	-17.77	-3.45	0.00	-221.00	0.00	221.00	2,087.78	1,043.89	2,457.90	1,213.86	3.63	-0.61	0.103
58.50	-17.66	-3.44	0.00	-219.28	0.00	219.28	2,083.96	1,041.98	2,446.60	1,208.28	3.70	-0.62	0.102
59.00	-17.56	-3.43	0.00	-217.56	0.00	217.56	2,080.12	1,040.06	2,435.32	1,202.71	3.76	-0.63	0.102
59.50	-17.45	-3.42	0.00	-215.85	0.00	215.85	2,076.27	1,038.14	2,424.04	1,197.14	3.83	-0.63	0.101
60.00	-17.35	-3.41	0.00	-214.14	0.00	214.14	2,072.41	1,036.21	2,412.79	1,191.58	3.89	-0.64	0.101
60.50	-17.24	-3.40	0.00	-212.44	0.00	212.44	2,068.55	1,034.27	2,401.54	1,186.03	3.96	-0.64	0.100
61.00	-17.14	-3.39	0.00	-210.74	0.00	210.74	2,064.67	1,032.33	2,390.31	1,180.48	4.03	-0.65	0.100
61.50	-17.04	-3.38	0.00	-209.05	0.00	209.05	2,060.78	1,030.39	2,379.09	1,174.94	4.10	-0.65	0.099
62.00	-16.93	-3.37	0.00	-207.36	0.00	207.36	2,056.88	1,028.44	2,367.88	1,169.41	4.17	-0.66	0.099
62.50	-16.83	-3.36	0.00	-205.67	0.00	205.67	2,052.97	1,026.49	2,356.69	1,163.88	4.24	-0.66	0.098
63.00	-16.73	-3.35	0.00	-203.99	0.00	203.99	2,049.05	1,024.53	2,345.51	1,158.36	4.31	-0.67	0.098
63.50	-16.62	-3.34	0.00	-202.32	0.00	202.32	2,045.12	1,022.56	2,334.35	1,152.85	4.38	-0.68	0.097
64.00	-16.52	-3.33	0.00	-200.65	0.00	200.65	2,041.18	1,020.59	2,323.20	1,147.34	4.45	-0.68	0.097
64.50	-16.42	-3.32	0.00	-198.99	0.00	198.99	2,037.23	1,018.62	2,312.06	1,141.84	4.52	-0.69	0.096
65.00	-16.32	-3.31	0.00	-197.33	0.00	197.33	2,033.27	1,016.64	2,300.94	1,136.35	4.59	-0.69	0.096
65.50	-16.21	-3.30	0.00	-195.67	0.00	195.67	2,029.30	1,014.65	2,289.83	1,130.86	4.66	-0.70	0.095
66.00	-16.11	-3.29	0.00	-194.02	0.00	194.02	2,025.32	1,012.66	2,278.74	1,125.38	4.74	-0.70	0.095
66.50	-16.01	-3.28	0.00	-192.38	0.00	192.38	2,021.33	1,010.66	2,267.65	1,119.91	4.81	-0.71	0.094
67.00	-15.91	-3.27	0.00	-190.74	0.00	190.74	2,017.34	1,008.68	2,256.59	1,114.25	4.88	-0.71	0.094
67.50	-15.80	-3.26	0.00	-189.10	0.00	189.10	2,013.34	1,006.68	2,245.56	1,108.60	4.96	-0.72	0.093
68.00	-15.70	-3.25	0.00	-187.47	0.00	187.47	2,009.34	1,004.65	2,234.56	1,102.97	5.04	-0.72	0.093
68.50	-15.60	-3.24	0.00	-185.84	0.00	185.84	2,005.32	1,002.67	2,223.59	1,097.37	5.11	-0.73	0.093
69.00	-15.50	-3.23	0.00	-184.22	0.00	184.22	1,999.53	999.77	2,212.67	1,091.81	5.19	-0.74	0.092
69.50	-15.40	-3.22	0.00	-182.61	0.00	182.61	1,993.72	996.86	2,201.79	1,086.28	5.27	-0.74	0.092
70.00	-15.30	-3.21	0.00	-181.00	0.00	181.00	1,987.91	993.96	2,191.29	1,080.80	5.34	-0.75	0.091
70.50	-15.16	-3.20	0.00	-179.39	0.00	179.39	1,982.10	991.05	2,178.42	1,075.34	5.42	-0.75	0.089
71.00	-15.02	-3.19	0.00	-177.79	0.00	177.79	1,976.29	988.14	2,165.59	1,069.91	5.50	-0.76	0.089
71.50	-14.88	-3.18	0.00	-176.20	0.00	176.20	1,970.48	985.24	2,152.80	1,064.51	5.58	-0.76	0.089
72.00	-14.74	-3.17	0.00	-174.61	0.00	174.61	1,964.67	982.33	2,140.05	1,059.15	5.66	-0.77	0.088
72.50	-14.60	-3.16	0.00	-173.02	0.00	173.02	1,958.85	979.43	2,127.34	1,053.84	5.74	-0.77	0.088
73.00	-14.47	-3.15	0.00	-171.44	0.00	171.44	1,953.04	976.52	2,114.66	1,048.56	5.82	-0.78	0.087
73.33	-14.38	-3.14	0.00	-170.40	0.00	170.40	1,947.23	973.62	2,102.02	1,043.32	5.88	-0.78	0.087
73.33	-14.38	-3.14	0.00	-170.40	0.00	170.40	1,943.40	971.70	2,093.70	1,038.09	5.88	-0.78	0.095
73.50	-14.33	-3.14	0.00	-169.87	0.00	169.87	1,473.96	736.98	1,624.57	802.32	5.90	-0.78	0.113
74.00	-14.25	-3.13	0.00	-168.30	0.00	168.30	1,471.41	735.71	1,616.97	798.56	5.99	-0.79	0.112
74.50	-14.16	-3.12	0.00	-166.74	0.00	166.74	1,468.85	734.43	1,609.36	794.80	6.07	-0.80	0.112
75.00	-14.08	-3.11	0.00	-165.18	0.00	165.18	1,466.28	733.14	1,601.77	791.05	6.15	-0.80	0.111
75.50	-13.99	-3.10	0.00	-163.62	0.00	163.62	1,463.70	731.85	1,594.18	787.30	6.24	-0.81	0.110
76.00	-13.90	-3.09	0.00	-162.07	0.00	162.07	1,461.11	730.55	1,586.59	783.56	6.32	-0.81	0.110
76.50	-13.82	-3.08	0.00	-160.53	0.00	160.53	1,458.51	729.25	1,579.01	779.81	6.41	-0.82	0.109
77.00	-13.73	-3.07	0.00	-158.99	0.00	158.99	1,455.89	727.95	1,571.44	776.07	6.49	-0.83	0.108
77.50	-13.65	-3.06	0.00	-157.46	0.00	157.46	1,453.27	726.64	1,563.87	772.34	6.58	-0.83	0.108
78.00	-13.56	-3.05	0.00	-155.93	0.00	155.93	1,450.64	725.32	1,556.31	768.60	6.67	-0.84	0.107
78.50	-13.48	-3.04	0.00	-154.40	0.00	154.40	1,447.99	724.00	1,548.75	764.87	6.76	-0.84	0.106
79.00	-13.39	-3.03	0.00	-152.88	0.00	152.88	1,445.34	722.67	1,541.20	761.14	6.85	-0.85	0.105
79.50	-13.31	-3.02	0.00	-151.37	0.00	151.37	1,442.68	721.34	1,533.65	757.41	6.94	-0.86	0.105

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	-13.23	-3.01	0.00	-149.86	0.00	149.86	1,440.00	720.00	1,526.12	753.69	7.03	-0.86	0.104
80.50	-13.14	-3.00	0.00	-148.35	0.00	148.35	1,437.32	718.66	1,518.59	749.97	7.12	-0.87	0.103
81.00	-13.06	-2.99	0.00	-146.85	0.00	146.85	1,434.62	717.31	1,511.06	746.26	7.21	-0.87	0.103
81.50	-12.97	-2.98	0.00	-145.36	0.00	145.36	1,431.91	715.96	1,503.54	742.54	7.30	-0.88	0.102
82.00	-12.89	-2.97	0.00	-143.87	0.00	143.87	1,429.20	714.60	1,496.03	738.83	7.39	-0.89	0.101
82.50	-12.80	-2.96	0.00	-142.38	0.00	142.38	1,426.47	713.23	1,488.53	735.13	7.49	-0.89	0.100
83.00	-12.72	-2.95	0.00	-140.90	0.00	140.90	1,423.73	711.87	1,481.03	731.43	7.58	-0.90	0.100
83.50	-12.64	-2.94	0.00	-139.43	0.00	139.43	1,420.98	710.49	1,473.54	727.73	7.67	-0.90	0.099
84.00	-12.55	-2.93	0.00	-137.96	0.00	137.96	1,418.23	709.11	1,466.06	724.03	7.77	-0.91	0.098
84.50	-12.47	-2.92	0.00	-136.49	0.00	136.49	1,415.46	707.73	1,458.58	720.34	7.87	-0.92	0.098
85.00	-12.39	-2.91	0.00	-135.03	0.00	135.03	1,412.68	706.34	1,451.11	716.65	7.96	-0.92	0.097
85.50	-12.30	-2.90	0.00	-133.58	0.00	133.58	1,409.89	704.94	1,443.65	712.97	8.06	-0.93	0.096
86.00	-12.22	-2.89	0.00	-132.13	0.00	132.13	1,407.09	703.54	1,436.20	709.28	8.16	-0.93	0.095
86.50	-12.14	-2.88	0.00	-130.68	0.00	130.68	1,404.28	702.14	1,428.75	705.61	8.25	-0.94	0.095
87.00	-12.05	-2.87	0.00	-129.24	0.00	129.24	1,401.46	700.73	1,421.32	701.93	8.35	-0.95	0.094
87.50	-11.97	-2.86	0.00	-127.81	0.00	127.81	1,398.63	699.31	1,413.89	698.26	8.45	-0.95	0.093
88.00	-11.89	-2.85	0.00	-126.38	0.00	126.38	1,395.79	697.89	1,406.46	694.60	8.55	-0.96	0.093
88.50	-11.81	-2.84	0.00	-124.95	0.00	124.95	1,392.93	696.47	1,399.05	690.94	8.65	-0.96	0.092
89.00	-11.72	-2.83	0.00	-123.53	0.00	123.53	1,390.07	695.04	1,391.64	687.28	8.75	-0.97	0.091
89.50	-11.64	-2.82	0.00	-122.12	0.00	122.12	1,387.20	693.60	1,384.25	683.63	8.86	-0.97	0.090
90.00	-11.56	-2.81	0.00	-120.70	0.00	120.70	1,384.32	692.16	1,376.86	679.98	8.96	-0.98	0.090
90.50	-11.48	-2.80	0.00	-119.30	0.00	119.30	1,381.42	690.71	1,369.48	676.33	9.06	-0.99	0.089
91.00	-11.39	-2.79	0.00	-117.90	0.00	117.90	1,378.52	689.26	1,362.10	672.69	9.17	-0.99	0.088
91.50	-11.31	-2.78	0.00	-116.50	0.00	116.50	1,375.61	687.80	1,354.74	669.06	9.27	-1.00	0.087
92.00	-11.23	-2.77	0.00	-115.11	0.00	115.11	1,372.68	686.34	1,347.39	665.42	9.37	-1.00	0.087
92.50	-11.15	-2.76	0.00	-113.73	0.00	113.73	1,369.75	684.87	1,340.04	661.80	9.48	-1.01	0.086
93.00	-11.07	-2.75	0.00	-112.35	0.00	112.35	1,366.80	683.40	1,332.70	658.17	9.59	-1.01	0.085
93.50	-10.98	-2.74	0.00	-110.97	0.00	110.97	1,363.85	681.92	1,325.38	654.55	9.69	-1.02	0.084
94.00	-10.90	-2.73	0.00	-109.60	0.00	109.60	1,360.88	680.44	1,318.06	650.94	9.80	-1.03	0.084
94.50	-10.82	-2.72	0.00	-108.23	0.00	108.23	1,357.90	678.95	1,310.75	647.33	9.91	-1.03	0.083
95.00	-10.74	-2.71	0.00	-106.87	0.00	106.87	1,354.92	677.46	1,303.45	643.72	10.02	-1.04	0.082
95.50	-10.66	-2.70	0.00	-105.52	0.00	105.52	1,351.92	675.96	1,296.16	640.12	10.12	-1.04	0.082
96.00	-10.58	-2.69	0.00	-104.17	0.00	104.17	1,348.91	674.46	1,288.88	636.53	10.23	-1.05	0.081
96.50	-10.50	-2.68	0.00	-102.82	0.00	102.82	1,345.89	672.95	1,281.61	632.94	10.34	-1.05	0.080
97.00	-10.42	-2.67	0.00	-101.48	0.00	101.48	1,342.86	671.43	1,274.35	629.35	10.45	-1.06	0.079
97.50	-10.34	-2.66	0.00	-100.15	0.00	100.15	1,339.82	669.91	1,267.09	625.77	10.57	-1.06	0.079
98.00	-10.26	-2.65	0.00	-98.81	0.00	98.81	1,336.78	668.39	1,259.85	622.19	10.68	-1.07	0.078
98.50	-10.18	-2.64	0.00	-97.49	0.00	97.49	1,333.72	666.86	1,252.62	618.62	10.79	-1.07	0.077
99.00	-10.10	-2.63	0.00	-96.17	0.00	96.17	1,330.65	665.32	1,245.40	615.06	10.90	-1.08	0.076
99.50	-10.01	-2.62	0.00	-94.85	0.00	94.85	1,327.57	663.78	1,238.19	611.50	11.02	-1.08	0.076
100.00	-9.93	-2.61	0.00	-93.54	0.00	93.54	1,324.47	662.24	1,230.99	607.94	11.13	-1.09	0.075
100.50	-9.85	-2.60	0.00	-92.24	0.00	92.24	1,321.37	660.69	1,223.80	604.39	11.24	-1.09	0.074
101.00	-9.77	-2.59	0.00	-90.94	0.00	90.94	1,318.26	659.13	1,216.62	600.84	11.36	-1.10	0.073
101.50	-9.70	-2.58	0.00	-89.64	0.00	89.64	1,315.14	657.57	1,209.45	597.30	11.47	-1.10	0.072
102.00	-9.62	-2.57	0.00	-88.35	0.00	88.35	1,312.01	656.00	1,202.30	593.77	11.59	-1.11	0.072
102.50	-9.54	-2.56	0.00	-87.06	0.00	87.06	1,308.86	654.43	1,195.15	590.24	11.71	-1.11	0.071
103.00	-9.46	-2.55	0.00	-85.78	0.00	85.78	1,305.71	652.86	1,188.02	586.72	11.82	-1.12	0.070
103.50	-9.38	-2.54	0.00	-84.51	0.00	84.51	1,302.55	651.27	1,180.89	583.20	11.94	-1.12	0.069
104.00	-9.30	-2.53	0.00	-83.24	0.00	83.24	1,299.37	649.69	1,173.78	579.69	12.06	-1.13	0.069
104.50	-9.22	-2.52	0.00	-81.97	0.00	81.97	1,296.19	648.09	1,166.68	576.18	12.18	-1.13	0.068
105.00	-9.14	-2.51	0.00	-80.71	0.00	80.71	1,292.99	646.50	1,159.59	572.68	12.30	-1.14	0.067
105.50	-9.06	-2.50	0.00	-79.45	0.00	79.45	1,288.98	644.49	1,151.78	568.82	12.42	-1.14	0.066
106.00	-8.98	-2.49	0.00	-78.20	0.00	78.20	1,284.33	642.16	1,143.44	564.70	12.54	-1.15	0.066
106.50	-8.90	-2.48	0.00	-76.96	0.00	76.96	1,279.68	639.84	1,135.13	560.60	12.66	-1.15	0.065
107.00	-8.82	-2.47	0.00	-75.71	0.00	75.71	1,275.03	637.51	1,126.85	556.51	12.78	-1.16	0.064
107.50	-8.75	-2.46	0.00	-74.48	0.00	74.48	1,270.38	635.19	1,118.60	552.44	12.90	-1.16	0.063
108.00	-8.67	-2.45	0.00	-73.25	0.00	73.25	1,265.73	632.87	1,110.38	548.38	13.02	-1.17	0.063

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:16 AM

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	-8.59	-2.44	0.00	-72.02	0.00	72.02	1,261.08	630.54	1,102.19	544.33	13.14	-1.17	0.062						
109.00	-8.51	-2.43	0.00	-70.80	0.00	70.80	1,256.43	628.22	1,094.04	540.30	13.27	-1.18	0.061						
109.50	-8.43	-2.42	0.00	-69.58	0.00	69.58	1,251.78	625.89	1,085.91	536.29	13.39	-1.18	0.061						
110.00	-8.36	-2.41	0.00	-68.37	0.00	68.37	1,247.14	623.57	1,077.81	532.29	13.52	-1.19	0.060						
110.00	-8.36	-2.41	0.00	-68.37	0.00	68.37	853.24	426.62	741.79	366.34	13.52	-1.19	0.000						
110.50	-8.29	-2.40	0.00	-67.17	0.00	67.17	851.46	425.73	737.46	364.21	13.64	-1.19	0.083						
111.00	-8.23	-2.39	0.00	-65.97	0.00	65.97	849.67	424.84	733.15	362.07	13.76	-1.20	0.082						
111.50	-8.16	-2.38	0.00	-64.77	0.00	64.77	847.87	423.94	728.83	359.94	13.89	-1.20	0.081						
112.00	-8.10	-2.37	0.00	-63.58	0.00	63.58	846.07	423.03	724.52	357.81	14.02	-1.21	0.080						
112.50	-8.04	-2.37	0.00	-62.39	0.00	62.39	844.25	422.12	720.21	355.68	14.14	-1.21	0.079						
113.00	-7.97	-2.36	0.00	-61.21	0.00	61.21	842.42	421.21	715.90	353.56	14.27	-1.22	0.077						
113.50	-7.91	-2.35	0.00	-60.03	0.00	60.03	840.58	420.29	711.60	351.43	14.40	-1.22	0.076						
114.00	-7.84	-2.34	0.00	-58.86	0.00	58.86	838.73	419.36	707.30	349.31	14.53	-1.23	0.075						
114.50	-7.78	-2.33	0.00	-57.69	0.00	57.69	836.87	418.43	703.00	347.19	14.66	-1.23	0.074						
115.00	-7.72	-2.32	0.00	-56.52	0.00	56.52	834.99	417.50	698.71	345.06	14.79	-1.24	0.073						
115.50	-7.65	-2.31	0.00	-55.36	0.00	55.36	833.11	416.56	694.42	342.95	14.92	-1.24	0.071						
116.00	-7.59	-2.30	0.00	-54.21	0.00	54.21	831.22	415.61	690.13	340.83	15.05	-1.25	0.070						
116.50	-7.53	-2.29	0.00	-53.06	0.00	53.06	829.32	414.66	685.85	338.71	15.18	-1.25	0.069						
116.50	-7.53	-2.29	0.00	-53.06	0.00	53.06	829.32	414.66	685.85	338.71	15.18	-1.25	0.166						
117.00	-7.49	-2.28	0.00	-51.92	0.00	51.92	827.41	413.70	681.57	336.60	15.31	-1.26	0.163						
117.50	-7.45	-2.27	0.00	-50.77	0.00	50.77	825.48	412.74	677.29	334.49	15.44	-1.27	0.161						
118.00	-7.41	-2.27	0.00	-49.64	0.00	49.64	823.55	411.77	673.02	332.38	15.58	-1.28	0.158						
118.50	-7.38	-2.26	0.00	-48.50	0.00	48.50	821.61	410.80	668.75	330.27	15.71	-1.30	0.156						
119.00	-7.34	-2.25	0.00	-47.38	0.00	47.38	819.65	409.83	664.49	328.17	15.85	-1.31	0.153						
119.50	-7.30	-2.24	0.00	-46.25	0.00	46.25	817.69	408.84	660.23	326.06	15.98	-1.32	0.151						
120.00	-7.26	-2.23	0.00	-45.13	0.00	45.13	815.71	407.86	655.98	323.96	16.12	-1.33	0.148						
120.50	-7.23	-2.23	0.00	-44.01	0.00	44.01	813.73	406.88	651.73	321.87	16.26	-1.34	0.146						
121.00	-7.19	-2.22	0.00	-42.90	0.00	42.90	811.73	405.86	647.49	319.77	16.40	-1.35	0.143						
121.50	-7.15	-2.21	0.00	-41.79	0.00	41.79	809.72	404.86	643.25	317.68	16.55	-1.36	0.140						
122.00	-7.11	-2.20	0.00	-40.69	0.00	40.69	807.71	403.85	639.01	315.58	16.69	-1.37	0.138						
122.50	-7.08	-2.19	0.00	-39.58	0.00	39.58	805.68	402.84	634.78	313.49	16.83	-1.38	0.135						
123.00	-7.04	-2.19	0.00	-38.49	0.00	38.49	803.64	401.82	630.56	311.41	16.98	-1.39	0.132						
123.50	-7.00	-2.18	0.00	-37.39	0.00	37.39	801.59	400.80	626.34	309.32	17.13	-1.40	0.130						
124.00	-6.97	-2.17	0.00	-36.30	0.00	36.30	799.54	399.77	622.12	307.24	17.27	-1.41	0.127						
124.50	-6.93	-2.16	0.00	-35.22	0.00	35.22	797.47	398.73	617.91	305.16	17.42	-1.42	0.124						
125.00	-6.89	-2.15	0.00	-34.14	0.00	34.14	795.39	397.69	613.71	303.09	17.57	-1.43	0.121						
125.50	-6.86	-2.15	0.00	-33.06	0.00	33.06	793.30	396.65	609.51	301.01	17.72	-1.44	0.119						
126.00	-6.82	-2.14	0.00	-31.99	0.00	31.99	791.20	395.60	605.32	298.94	17.87	-1.45	0.116						
126.50	-6.78	-2.13	0.00	-30.92	0.00	30.92	789.09	394.54	601.13	296.88	18.03	-1.46	0.113						
127.00	-6.75	-2.12	0.00	-29.85	0.00	29.85	786.97	393.48	596.95	294.81	18.18	-1.47	0.110						
127.50	-6.71	-2.11	0.00	-28.79	0.00	28.79	784.84	392.42	592.78	292.75	18.33	-1.48	0.107						
128.00	-6.68	-2.11	0.00	-27.74	0.00	27.74	782.69	391.35	588.61	290.69	18.49	-1.49	0.104						
128.50	-6.64	-2.10	0.00	-26.68	0.00	26.68	780.54	390.27	584.44	288.64	18.65	-1.49	0.101						
129.00	-6.60	-2.09	0.00	-25.63	0.00	25.63	778.38	389.19	580.29	286.58	18.80	-1.50	0.098						
129.50	-6.57	-2.08	0.00	-24.59	0.00	24.59	776.21	388.10	576.14	284.53	18.96	-1.51	0.095						
130.00	-6.53	-2.07	0.00	-23.55	0.00	23.55	774.02	387.01	572.00	282.49	19.12	-1.52	0.092						
130.50	-6.50	-2.07	0.00	-22.51	0.00	22.51	771.83	385.91	567.86	280.44	19.28	-1.53	0.089						
131.00	-3.89	-1.23	0.00	-21.48	0.00	21.48	769.63	384.81	563.73	278.40	19.44	-1.53	0.082						
131.50	-3.86	-1.22	0.00	-20.86	0.00	20.86	767.41	383.71	559.60	276.37	19.60	-1.54	0.081						
132.00	-3.83	-1.21	0.00	-20.25	0.00	20.25	765.19	382.59	555.49	274.33	19.76	-1.55	0.079						
132.50	-3.80	-1.20	0.00	-19.65	0.00	19.65	762.95	381.48	551.38	272.31	19.92	-1.55	0.077						
133.00	-3.77	-1.20	0.00	-19.05	0.00	19.05	760.71	380.35	547.28	270.28	20.09	-1.56	0.075						
133.50	-3.74	-1.19	0.00	-18.45	0.00	18.45	758.45	379.23	543.18	268.26	20.25	-1.57	0.074						
134.00	-3.71	-1.18	0.00	-17.85	0.00	17.85	756.18	378.09	539.09	266.24	20.42	-1.57	0.072						
134.50	-3.68	-1.17	0.00	-17.26	0.00	17.26	753.91	376.95	535.01	264.22	20.58	-1.58	0.070						
135.00	-3.65	-1.16	0.00	-16.68	0.00	16.68	751.62	375.81	530.94	262.21	20.75	-1.59	0.068						
135.50	-3.62	-1.15	0.00	-16.10	0.00	16.10	749.32	374.66	526.87	260.20	20.91	-1.59	0.067						

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

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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	-3.59	-1.15	0.00	-15.52	0.00	15.52	747.01	373.51	522.82	258.20	21.08	-1.60	0.065
136.50	-3.56	-1.14	0.00	-14.95	0.00	14.95	744.70	372.35	518.77	256.20	21.25	-1.60	0.063
137.00	-3.53	-1.13	0.00	-14.38	0.00	14.38	742.37	371.18	514.72	254.20	21.41	-1.61	0.061
137.50	-3.50	-1.12	0.00	-13.81	0.00	13.81	740.03	370.01	510.69	252.21	21.58	-1.61	0.060
138.00	-3.47	-1.11	0.00	-13.25	0.00	13.25	737.68	368.84	506.66	250.22	21.75	-1.62	0.058
138.50	-3.44	-1.11	0.00	-12.70	0.00	12.70	735.32	367.66	502.65	248.24	21.92	-1.62	0.056
139.00	-3.41	-1.10	0.00	-12.14	0.00	12.14	732.95	366.47	498.64	246.26	22.09	-1.63	0.054
139.50	-3.38	-1.09	0.00	-11.59	0.00	11.59	730.57	365.28	494.64	244.28	22.26	-1.63	0.052
140.00	-3.35	-1.08	0.00	-11.05	0.00	11.05	728.18	364.09	490.64	242.31	22.44	-1.64	0.050
140.50	-3.32	-1.07	0.00	-10.51	0.00	10.51	725.44	362.72	486.44	240.23	22.61	-1.64	0.048
141.00	-3.23	-0.96	0.00	-9.97	0.00	9.97	721.95	360.98	481.74	237.92	22.78	-1.65	0.046
141.50	-3.21	-0.95	0.00	-9.49	0.00	9.49	718.47	359.23	477.08	235.61	22.95	-1.65	0.045
142.00	-3.18	-0.94	0.00	-9.02	0.00	9.02	714.98	357.49	472.43	233.32	23.13	-1.66	0.043
142.50	-3.15	-0.93	0.00	-8.55	0.00	8.55	711.49	355.75	467.81	231.03	23.30	-1.66	0.041
143.00	-3.13	-0.92	0.00	-8.08	0.00	8.08	708.01	354.00	463.21	228.76	23.47	-1.66	0.040
143.50	-3.10	-0.92	0.00	-7.62	0.00	7.62	704.52	352.26	458.63	226.50	23.65	-1.67	0.038
144.00	-3.07	-0.91	0.00	-7.16	0.00	7.16	701.03	350.52	454.07	224.25	23.82	-1.67	0.036
144.50	-3.05	-0.90	0.00	-6.71	0.00	6.71	697.55	348.77	449.54	222.01	24.00	-1.67	0.035
145.00	-3.02	-0.89	0.00	-6.26	0.00	6.26	694.06	347.03	445.03	219.78	24.17	-1.68	0.033
145.50	-3.00	-0.89	0.00	-5.81	0.00	5.81	690.57	345.29	440.55	217.57	24.35	-1.68	0.031
146.00	-2.97	-0.88	0.00	-5.37	0.00	5.37	687.09	343.54	436.08	215.36	24.52	-1.68	0.029
146.50	-2.94	-0.87	0.00	-4.93	0.00	4.93	683.60	341.80	431.64	213.17	24.70	-1.69	0.027
147.00	-2.92	-0.86	0.00	-4.49	0.00	4.49	680.11	340.06	427.22	210.99	24.88	-1.69	0.026
147.50	-2.89	-0.86	0.00	-4.06	0.00	4.06	676.63	338.31	422.83	208.82	25.05	-1.69	0.024
148.00	-2.87	-0.85	0.00	-3.63	0.00	3.63	673.14	336.57	418.45	206.66	25.23	-1.69	0.022
148.50	-2.84	-0.84	0.00	-3.21	0.00	3.21	669.65	334.83	414.10	204.51	25.41	-1.69	0.020
149.00	-2.82	-0.83	0.00	-2.79	0.00	2.79	666.16	333.08	409.78	202.37	25.59	-1.70	0.018
149.50	-2.79	-0.82	0.00	-2.37	0.00	2.37	662.68	331.34	405.47	200.25	25.76	-1.70	0.016
150.00	0.00	-0.74	0.00	-1.96	0.00	1.96	659.19	329.60	401.19	198.13	25.94	-1.70	0.010

Equivalent Lateral Forces Method Analysis

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

Spectral Response Acceleration for Short Period (S_{ps}):	0.18
Spectral Response Acceleration at 1.0 Second Period (S_{p1}):	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):	2.70
Redundancy Factor (p):	1.30
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	32.22 k
Seismic Base Shear (E):	1.26 k

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

Seismic Equivalent Lateral Forces Method

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
303	149.75	25	570	0.002	3	31
302	149.25	25	568	0.002	3	32
301	148.75	26	566	0.002	3	32
300	148.25	26	564	0.002	3	32
299	147.75	26	562	0.002	3	32
298	147.25	26	560	0.002	3	32
297	146.75	26	558	0.002	3	32
296	146.25	26	556	0.002	3	32
295	145.75	26	553	0.002	3	32
294	145.25	26	551	0.002	3	32
293	144.75	26	549	0.002	3	32
292	144.25	26	547	0.002	3	33
291	143.75	26	545	0.002	3	33
290	143.25	26	543	0.002	3	33
289	142.75	27	541	0.002	3	33
288	142.25	27	539	0.002	3	33
287	141.75	27	536	0.002	3	33
286	141.25	27	534	0.002	3	33
285	140.75	29	581	0.002	3	36
284	140.25	29	578	0.002	3	36
283	139.75	29	576	0.002	3	36
282	139.25	30	573	0.002	3	37
281	138.75	30	571	0.002	3	37

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Customer: SPRINT NEXTEL

280	138.25	30	568	0.002	3	37
279	137.75	30	565	0.002	3	37
278	137.25	30	563	0.002	3	37
277	136.75	30	560	0.002	3	37
276	136.25	30	558	0.002	3	37
275	135.75	30	555	0.002	3	37
274	135.25	30	553	0.002	3	37
273	134.75	30	550	0.002	3	37
272	134.25	30	547	0.002	3	38
271	133.75	30	545	0.002	3	38
270	133.25	31	542	0.002	3	38
269	132.75	31	539	0.002	3	38
268	132.25	31	537	0.002	3	38
267	131.75	31	534	0.002	3	38
266	131.25	31	531	0.002	3	38
265	130.75	35	606	0.003	3	44
264	130.25	36	603	0.003	3	44
263	129.75	36	599	0.003	3	44
262	129.25	36	596	0.003	3	44
261	128.75	36	593	0.002	3	44
260	128.25	36	590	0.002	3	44
259	127.75	36	586	0.002	3	44
258	127.25	36	583	0.002	3	45
257	126.75	36	580	0.002	3	45
256	126.25	36	577	0.002	3	45
255	125.75	36	573	0.002	3	45
254	125.25	36	570	0.002	3	45
253	124.75	36	567	0.002	3	45
252	124.25	36	563	0.002	3	45
251	123.75	37	560	0.002	3	45
250	123.25	37	557	0.002	3	45
249	122.75	37	554	0.002	3	45
248	122.25	37	550	0.002	3	46
247	121.75	37	547	0.002	3	46
246	121.25	37	544	0.002	3	46
245	120.75	37	540	0.002	3	46
244	120.25	37	537	0.002	3	46
243	119.75	37	534	0.002	3	46
242	119.25	37	530	0.002	3	46
241	118.75	37	527	0.002	3	46
240	118.25	37	524	0.002	3	46
239	117.75	38	521	0.002	3	46
238	117.25	38	517	0.002	3	47
237	116.75	38	514	0.002	3	47
236	116.25	63	855	0.004	5	78
235	115.75	63	849	0.004	4	78
234	115.25	63	843	0.004	4	79
233	114.75	64	837	0.004	4	79
232	114.25	64	830	0.004	4	79
231	113.75	64	824	0.003	4	79
230	113.25	64	818	0.003	4	79
229	112.75	64	812	0.003	4	79
228	112.25	64	806	0.003	4	79
227	111.75	64	800	0.003	4	79
226	111.25	64	793	0.003	4	79
225	110.75	64	787	0.003	4	79
224	110.25	64	781	0.003	4	80
223	109.75	78	938	0.004	5	96
222	109.25	78	931	0.004	5	97
221	108.75	78	924	0.004	5	97
220	108.25	78	917	0.004	5	97
219	107.75	78	910	0.004	5	97
218	107.25	78	903	0.004	5	97
217	106.75	79	895	0.004	5	97

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Customer: SPRINT NEXTEL

216	106.25	79	888	0.004	5	97
215	105.75	79	881	0.004	5	97
214	105.25	79	874	0.004	5	98
213	104.75	79	867	0.004	5	98
212	104.25	79	860	0.004	5	98
211	103.75	79	853	0.004	5	98
210	103.25	79	846	0.004	4	98
209	102.75	79	839	0.004	4	98
208	102.25	80	832	0.004	4	98
207	101.75	80	825	0.003	4	99
206	101.25	80	818	0.003	4	99
205	100.75	80	811	0.003	4	99
204	100.25	80	804	0.003	4	99
203	99.75	80	797	0.003	4	99
202	99.25	80	790	0.003	4	99
201	98.75	80	783	0.003	4	99
200	98.25	80	776	0.003	4	99
199	97.75	80	769	0.003	4	100
198	97.25	81	762	0.003	4	100
197	96.75	81	756	0.003	4	100
196	96.25	81	749	0.003	4	100
195	95.75	81	742	0.003	4	100
194	95.25	81	735	0.003	4	100
193	94.75	81	728	0.003	4	100
192	94.25	81	722	0.003	4	101
191	93.75	81	715	0.003	4	101
190	93.25	81	708	0.003	4	101
189	92.75	82	702	0.003	4	101
188	92.25	82	695	0.003	4	101
187	91.75	82	688	0.003	4	101
186	91.25	82	682	0.003	4	101
185	90.75	82	675	0.003	4	101
184	90.25	82	669	0.003	4	102
183	89.75	82	662	0.003	4	102
182	89.25	82	656	0.003	3	102
181	88.75	82	649	0.003	3	102
180	88.25	83	643	0.003	3	102
179	87.75	83	636	0.003	3	102
178	87.25	83	630	0.003	3	102
177	86.75	83	624	0.003	3	103
176	86.25	83	617	0.003	3	103
175	85.75	83	611	0.003	3	103
174	85.25	83	605	0.003	3	103
173	84.75	83	598	0.003	3	103
172	84.25	83	592	0.002	3	103
171	83.75	84	586	0.002	3	103
170	83.25	84	579	0.002	3	103
169	82.75	84	573	0.002	3	104
168	82.25	84	567	0.002	3	104
167	81.75	84	561	0.002	3	104
166	81.25	84	555	0.002	3	104
165	80.75	84	549	0.002	3	104
164	80.25	84	543	0.002	3	104
163	79.75	84	537	0.002	3	104
162	79.25	84	531	0.002	3	105
161	78.75	85	525	0.002	3	105
160	78.25	85	519	0.002	3	105
159	77.75	85	513	0.002	3	105
158	77.25	85	507	0.002	3	105
157	76.75	85	501	0.002	3	105
156	76.25	85	495	0.002	3	105
155	75.75	85	489	0.002	3	105
154	75.25	85	483	0.002	3	106
153	74.75	85	477	0.002	3	106

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Customer: SPRINT NEXTEL

152	74.25	86	472	0.002	2	106
151	73.75	86	466	0.002	2	106
150	73.41	44	239	0.001	1	55
149	73.17	90	484	0.002	3	112
148	72.75	137	726	0.003	4	170
147	72.25	137	717	0.003	4	170
146	71.75	138	709	0.003	4	170
145	71.25	138	700	0.003	4	171
144	70.75	138	691	0.003	4	171
143	70.25	138	683	0.003	4	171
142	69.75	101	492	0.002	3	125
141	69.25	101	486	0.002	3	125
140	68.75	101	480	0.002	3	126
139	68.25	102	473	0.002	3	126
138	67.75	102	467	0.002	2	126
137	67.25	102	461	0.002	2	126
136	66.75	102	454	0.002	2	126
135	66.25	102	448	0.002	2	126
134	65.75	102	442	0.002	2	127
133	65.25	102	436	0.002	2	127
132	64.75	103	430	0.002	2	127
131	64.25	103	424	0.002	2	127
130	63.75	103	418	0.002	2	127
129	63.25	103	412	0.002	2	127
128	62.75	103	406	0.002	2	128
127	62.25	103	400	0.002	2	128
126	61.75	103	394	0.002	2	128
125	61.25	103	388	0.002	2	128
124	60.75	104	382	0.002	2	128
123	60.25	104	377	0.002	2	128
122	59.75	104	371	0.002	2	129
121	59.25	104	365	0.002	2	129
120	58.75	104	359	0.002	2	129
119	58.25	104	354	0.001	2	129
118	57.75	104	348	0.001	2	129
117	57.25	105	343	0.001	2	129
116	56.75	105	337	0.001	2	130
115	56.25	105	332	0.001	2	130
114	55.75	105	326	0.001	2	130
113	55.25	105	321	0.001	2	130
112	54.75	105	315	0.001	2	130
111	54.25	105	310	0.001	2	130
110	53.75	105	305	0.001	2	131
109	53.25	106	300	0.001	2	131
108	52.75	106	294	0.001	2	131
107	52.25	106	289	0.001	2	131
106	51.75	106	284	0.001	2	131
105	51.25	106	279	0.001	1	131
104	50.75	106	274	0.001	1	132
103	50.25	106	269	0.001	1	132
102	49.75	107	264	0.001	1	132
101	49.25	107	259	0.001	1	132
100	48.75	107	254	0.001	1	132
99	48.25	107	249	0.001	1	132
98	47.75	107	244	0.001	1	133
97	47.25	107	239	0.001	1	133
96	46.75	107	235	0.001	1	133
95	46.25	108	230	0.001	1	133
94	45.75	108	225	0.001	1	133
93	45.25	108	221	0.001	1	133
92	44.75	108	216	0.001	1	134
91	44.25	108	212	0.001	1	134
90	43.75	108	207	0.001	1	134
89	43.25	108	203	0.001	1	134

Site Number: 302494

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Customer: SPRINT NEXTEL

88	42.75	108	198	0.001	1	134
87	42.25	109	194	0.001	1	134
86	41.75	109	189	0.001	1	135
85	41.25	109	185	0.001	1	135
84	40.75	109	181	0.001	1	135
83	40.25	109	177	0.001	1	135
82	39.75	109	173	0.001	1	135
81	39.25	109	169	0.001	1	135
80	38.75	110	164	0.001	1	136
79	38.25	110	160	0.001	1	136
78	37.75	110	156	0.001	1	136
77	37.25	110	153	0.001	1	136
76	36.83	73	99	0.000	1	90
75	36.58	40	53	0.000	0	49
74	36.25	117	153	0.001	1	144
73	35.83	78	100	0.000	1	96
72	35.58	60	76	0.000	0	75
71	35.25	182	226	0.001	1	225
70	34.75	182	220	0.001	1	225
69	34.25	182	214	0.001	1	225
68	33.75	182	208	0.001	1	226
67	33.25	183	202	0.001	1	226
66	32.75	183	196	0.001	1	226
65	32.25	183	191	0.001	1	227
64	31.75	184	185	0.001	1	227
63	31.25	128	125	0.001	1	158
62	30.75	128	121	0.001	1	158
61	30.25	128	117	0.000	1	158
60	29.75	128	113	0.000	1	159
59	29.25	128	110	0.000	1	159
58	28.75	129	106	0.000	1	159
57	28.25	129	103	0.000	1	159
56	27.75	129	99	0.000	1	159
55	27.25	129	96	0.000	1	160
54	26.75	129	92	0.000	0	160
53	26.25	129	89	0.000	0	160
52	25.75	129	86	0.000	0	160
51	25.25	130	83	0.000	0	160
50	24.75	130	80	0.000	0	161
49	24.25	130	76	0.000	0	161
48	23.75	130	73	0.000	0	161
47	23.25	130	70	0.000	0	161
46	22.75	130	68	0.000	0	161
45	22.25	131	65	0.000	0	162
44	21.75	131	62	0.000	0	162
43	21.25	131	59	0.000	0	162
42	20.75	131	56	0.000	0	162
41	20.25	131	54	0.000	0	162
40	19.75	131	51	0.000	0	163
39	19.25	132	49	0.000	0	163
38	18.75	132	46	0.000	0	163
37	18.25	132	44	0.000	0	163
36	17.75	132	42	0.000	0	163
35	17.25	132	39	0.000	0	164
34	16.75	132	37	0.000	0	164
33	16.25	133	35	0.000	0	164
32	15.75	133	33	0.000	0	164
31	15.25	133	31	0.000	0	164
30	14.75	133	29	0.000	0	165
29	14.25	133	27	0.000	0	165
28	13.75	133	25	0.000	0	165
27	13.25	134	23	0.000	0	165
26	12.75	134	22	0.000	0	165
25	12.25	134	20	0.000	0	166

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Site Name: Hddm - Haddam, CT

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Customer: SPRINT NEXTEL

24	11.75	134	19	0.000	0	166
23	11.25	134	17	0.000	0	166
22	10.75	134	16	0.000	0	166
21	10.25	134	14	0.000	0	166
20	9.75	135	13	0.000	0	167
19	9.25	135	12	0.000	0	167
18	8.75	135	10	0.000	0	167
17	8.25	135	9	0.000	0	167
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
LGP Allgon LGP21903	150.00	33	743	0.003	4	41
Raycap DC6-48-60-18-	150.00	32	715	0.003	4	39
Decibel DB910CE-M	150.00	16	360	0.002	2	20
Powerwave LGP17201	150.00	186	4,185	0.018	22	230
Ericsson RRUS 11 (Ba	150.00	165	3,713	0.016	20	204
Powerwave Allgon 777	150.00	210	4,725	0.020	25	260
KMW AM-X-CD-16-65-00	150.00	97	2,183	0.009	12	120
Powerwave P65-17-XLH	150.00	50	1,125	0.005	6	62
Round Platform w/ Ha	150.00	2,000	45,000	0.190	238	2,475
RFS APXV18-206517LS-	141.00	66	1,312	0.006	7	82
Alcatel-Lucent RRH2x	131.00	317	5,447	0.023	29	393
Alcatel-Lucent 1900	131.00	180	3,089	0.013	16	223
Decibel DB844H90E-XY	131.00	126	2,162	0.009	11	156
Alcatel-Lucent TD-RR	131.00	210	3,604	0.015	19	260
KMW ETCR-654L12H6	131.00	255	4,371	0.018	23	315
Round Low Profile PI	131.00	1,500	25,742	0.109	136	1,856
		32,217	237,202	1.000	1,256	39,870

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

Seismic (Reduced DL) Equivalent Lateral Forces Method

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
303	149.75	25	570	0.002	3	22
302	149.25	25	568	0.002	3	22
301	148.75	26	566	0.002	3	22
300	148.25	26	564	0.002	3	22
299	147.75	26	562	0.002	3	22
298	147.25	26	560	0.002	3	22
297	146.75	26	558	0.002	3	22
296	146.25	26	556	0.002	3	22
295	145.75	26	553	0.002	3	22
294	145.25	26	551	0.002	3	23
293	144.75	26	549	0.002	3	23
292	144.25	26	547	0.002	3	23
291	143.75	26	545	0.002	3	23
290	143.25	26	543	0.002	3	23

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Customer: SPRINT NEXTEL

289	142.75	27	541	0.002	3	23
288	142.25	27	539	0.002	3	23
287	141.75	27	536	0.002	3	23
286	141.25	27	534	0.002	3	23
285	140.75	29	581	0.002	3	25
284	140.25	29	578	0.002	3	25
283	139.75	29	576	0.002	3	25
282	139.25	30	573	0.002	3	25
281	138.75	30	571	0.002	3	26
280	138.25	30	568	0.002	3	26
279	137.75	30	565	0.002	3	26
278	137.25	30	563	0.002	3	26
277	136.75	30	560	0.002	3	26
276	136.25	30	558	0.002	3	26
275	135.75	30	555	0.002	3	26
274	135.25	30	553	0.002	3	26
273	134.75	30	550	0.002	3	26
272	134.25	30	547	0.002	3	26
271	133.75	30	545	0.002	3	26
270	133.25	31	542	0.002	3	26
269	132.75	31	539	0.002	3	26
268	132.25	31	537	0.002	3	26
267	131.75	31	534	0.002	3	27
266	131.25	31	531	0.002	3	27
265	130.75	35	606	0.003	3	31
264	130.25	36	603	0.003	3	31
263	129.75	36	599	0.003	3	31
262	129.25	36	596	0.003	3	31
261	128.75	36	593	0.002	3	31
260	128.25	36	590	0.002	3	31
259	127.75	36	586	0.002	3	31
258	127.25	36	583	0.002	3	31
257	126.75	36	580	0.002	3	31
256	126.25	36	577	0.002	3	31
255	125.75	36	573	0.002	3	31
254	125.25	36	570	0.002	3	31
253	124.75	36	567	0.002	3	31
252	124.25	36	563	0.002	3	31
251	123.75	37	560	0.002	3	32
250	123.25	37	557	0.002	3	32
249	122.75	37	554	0.002	3	32
248	122.25	37	550	0.002	3	32
247	121.75	37	547	0.002	3	32
246	121.25	37	544	0.002	3	32
245	120.75	37	540	0.002	3	32
244	120.25	37	537	0.002	3	32
243	119.75	37	534	0.002	3	32
242	119.25	37	530	0.002	3	32
241	118.75	37	527	0.002	3	32
240	118.25	37	524	0.002	3	32
239	117.75	38	521	0.002	3	32
238	117.25	38	517	0.002	3	32
237	116.75	38	514	0.002	3	33
236	116.25	63	855	0.004	5	55
235	115.75	63	849	0.004	4	55
234	115.25	63	843	0.004	4	55
233	114.75	64	837	0.004	4	55
232	114.25	64	830	0.004	4	55
231	113.75	64	824	0.003	4	55
230	113.25	64	818	0.003	4	55
229	112.75	64	812	0.003	4	55
228	112.25	64	806	0.003	4	55
227	111.75	64	800	0.003	4	55
226	111.25	64	793	0.003	4	55

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Customer: SPRINT NEXTEL

225	110.75	84	787	0.003	4	55
224	110.25	84	781	0.003	4	55
223	109.75	78	938	0.004	5	67
222	109.25	78	931	0.004	5	67
221	108.75	78	924	0.004	5	67
220	108.25	78	917	0.004	5	67
219	107.75	78	910	0.004	5	68
218	107.25	78	903	0.004	5	68
217	106.75	79	895	0.004	5	68
216	106.25	79	888	0.004	5	68
215	105.75	79	881	0.004	5	68
214	105.25	79	874	0.004	5	68
213	104.75	79	867	0.004	5	68
212	104.25	79	860	0.004	5	68
211	103.75	79	853	0.004	5	68
210	103.25	79	846	0.004	4	68
209	102.75	79	839	0.004	4	69
208	102.25	80	832	0.004	4	69
207	101.75	80	825	0.003	4	69
206	101.25	80	818	0.003	4	69
205	100.75	80	811	0.003	4	69
204	100.25	80	804	0.003	4	69
203	99.75	80	797	0.003	4	69
202	99.25	80	790	0.003	4	69
201	98.75	80	783	0.003	4	69
200	98.25	80	776	0.003	4	69
199	97.75	80	769	0.003	4	69
198	97.25	81	762	0.003	4	70
197	96.75	81	756	0.003	4	70
196	96.25	81	749	0.003	4	70
195	95.75	81	742	0.003	4	70
194	95.25	81	735	0.003	4	70
193	94.75	81	728	0.003	4	70
192	94.25	81	722	0.003	4	70
191	93.75	81	715	0.003	4	70
190	93.25	81	708	0.003	4	70
189	92.75	82	702	0.003	4	70
188	92.25	82	695	0.003	4	70
187	91.75	82	688	0.003	4	71
186	91.25	82	682	0.003	4	71
185	90.75	82	675	0.003	4	71
184	90.25	82	669	0.003	4	71
183	89.75	82	662	0.003	4	71
182	89.25	82	656	0.003	3	71
181	88.75	82	649	0.003	3	71
180	88.25	83	643	0.003	3	71
179	87.75	83	636	0.003	3	71
178	87.25	83	630	0.003	3	71
177	86.75	83	624	0.003	3	71
176	86.25	83	617	0.003	3	72
175	85.75	83	611	0.003	3	72
174	85.25	83	605	0.003	3	72
173	84.75	83	598	0.003	3	72
172	84.25	83	592	0.002	3	72
171	83.75	84	586	0.002	3	72
170	83.25	84	579	0.002	3	72
169	82.75	84	573	0.002	3	72
168	82.25	84	567	0.002	3	72
167	81.75	84	561	0.002	3	72
166	81.25	84	555	0.002	3	72
165	80.75	84	549	0.002	3	73
164	80.25	84	543	0.002	3	73
163	79.75	84	537	0.002	3	73
162	79.25	84	531	0.002	3	73

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Site Name: Hddm - Haddam, CT

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Customer: SPRINT NEXTEL

161	78.75	85	525	0.002	3	73
160	78.25	85	519	0.002	3	73
159	77.75	85	513	0.002	3	73
158	77.25	85	507	0.002	3	73
157	76.75	85	501	0.002	3	73
156	76.25	85	495	0.002	3	73
155	75.75	85	489	0.002	3	73
154	75.25	85	483	0.002	3	74
153	74.75	85	477	0.002	3	74
152	74.25	86	472	0.002	2	74
151	73.75	86	466	0.002	2	74
150	73.41	44	239	0.001	1	38
149	73.17	90	484	0.002	3	78
148	72.75	137	726	0.003	4	118
147	72.25	137	717	0.003	4	119
146	71.75	138	709	0.003	4	119
145	71.25	138	700	0.003	4	119
144	70.75	138	691	0.003	4	119
143	70.25	138	683	0.003	4	119
142	69.75	101	492	0.002	3	87
141	69.25	101	486	0.002	3	87
140	68.75	101	480	0.002	3	88
139	68.25	102	473	0.002	3	88
138	67.75	102	467	0.002	2	88
137	67.25	102	461	0.002	2	88
136	66.75	102	454	0.002	2	88
135	66.25	102	448	0.002	2	88
134	65.75	102	442	0.002	2	88
133	65.25	102	436	0.002	2	88
132	64.75	103	430	0.002	2	88
131	64.25	103	424	0.002	2	89
130	63.75	103	418	0.002	2	89
129	63.25	103	412	0.002	2	89
128	62.75	103	406	0.002	2	89
127	62.25	103	400	0.002	2	89
126	61.75	103	394	0.002	2	89
125	61.25	103	388	0.002	2	89
124	60.75	104	382	0.002	2	89
123	60.25	104	377	0.002	2	89
122	59.75	104	371	0.002	2	90
121	59.25	104	365	0.002	2	90
120	58.75	104	359	0.002	2	90
119	58.25	104	354	0.001	2	90
118	57.75	104	348	0.001	2	90
117	57.25	105	343	0.001	2	90
116	56.75	105	337	0.001	2	90
115	56.25	105	332	0.001	2	90
114	55.75	105	326	0.001	2	91
113	55.25	105	321	0.001	2	91
112	54.75	105	315	0.001	2	91
111	54.25	105	310	0.001	2	91
110	53.75	105	305	0.001	2	91
109	53.25	106	300	0.001	2	91
108	52.75	106	294	0.001	2	91
107	52.25	106	289	0.001	2	91
106	51.75	106	284	0.001	2	91
105	51.25	106	279	0.001	1	92
104	50.75	106	274	0.001	1	92
103	50.25	106	269	0.001	1	92
102	49.75	107	264	0.001	1	92
101	49.25	107	259	0.001	1	92
100	48.75	107	254	0.001	1	92
99	48.25	107	249	0.001	1	92
98	47.75	107	244	0.001	1	92

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Customer: SPRINT NEXTEL

97	47.25	107	239	0.001	1	92
96	46.75	107	235	0.001	1	93
95	46.25	108	230	0.001	1	93
94	45.75	108	225	0.001	1	93
93	45.25	108	221	0.001	1	93
92	44.75	108	216	0.001	1	93
91	44.25	108	212	0.001	1	93
90	43.75	108	207	0.001	1	93
89	43.25	108	203	0.001	1	93
88	42.75	108	198	0.001	1	94
87	42.25	109	194	0.001	1	94
86	41.75	109	189	0.001	1	94
85	41.25	109	185	0.001	1	94
84	40.75	109	181	0.001	1	94
83	40.25	109	177	0.001	1	94
82	39.75	109	173	0.001	1	94
81	39.25	109	169	0.001	1	94
80	38.75	110	164	0.001	1	94
79	38.25	110	160	0.001	1	95
78	37.75	110	156	0.001	1	95
77	37.25	110	153	0.001	1	95
76	36.83	73	99	0.000	1	63
75	36.58	40	53	0.000	0	34
74	36.25	117	153	0.001	1	101
73	35.83	78	100	0.000	1	67
72	35.58	60	76	0.000	0	52
71	35.25	182	226	0.001	1	157
70	34.75	182	220	0.001	1	157
69	34.25	182	214	0.001	1	157
68	33.75	182	208	0.001	1	157
67	33.25	183	202	0.001	1	158
66	32.75	183	196	0.001	1	158
65	32.25	183	191	0.001	1	158
64	31.75	184	185	0.001	1	158
63	31.25	128	125	0.001	1	110
62	30.75	128	121	0.001	1	110
61	30.25	128	117	0.000	1	110
60	29.75	128	113	0.000	1	111
59	29.25	128	110	0.000	1	111
58	28.75	129	106	0.000	1	111
57	28.25	129	103	0.000	1	111
56	27.75	129	99	0.000	1	111
55	27.25	129	96	0.000	1	111
54	26.75	129	92	0.000	0	111
53	26.25	129	89	0.000	0	112
52	25.75	129	86	0.000	0	112
51	25.25	130	83	0.000	0	112
50	24.75	130	80	0.000	0	112
49	24.25	130	76	0.000	0	112
48	23.75	130	73	0.000	0	112
47	23.25	130	70	0.000	0	112
46	22.75	130	68	0.000	0	113
45	22.25	131	65	0.000	0	113
44	21.75	131	62	0.000	0	113
43	21.25	131	59	0.000	0	113
42	20.75	131	56	0.000	0	113
41	20.25	131	54	0.000	0	113
40	19.75	131	51	0.000	0	113
39	19.25	132	49	0.000	0	113
38	18.75	132	46	0.000	0	114
37	18.25	132	44	0.000	0	114
36	17.75	132	42	0.000	0	114
35	17.25	132	39	0.000	0	114
34	16.75	132	37	0.000	0	114

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

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Customer: SPRINT NEXTEL

33	16.25	133	35	0.000	0	114
32	15.75	133	33	0.000	0	114
31	15.25	133	31	0.000	0	115
30	14.75	133	29	0.000	0	115
29	14.25	133	27	0.000	0	115
28	13.75	133	25	0.000	0	115
27	13.25	134	23	0.000	0	115
26	12.75	134	22	0.000	0	115
25	12.25	134	20	0.000	0	115
24	11.75	134	19	0.000	0	116
23	11.25	134	17	0.000	0	116
22	10.75	134	16	0.000	0	116
21	10.25	134	14	0.000	0	116
20	9.75	135	13	0.000	0	116
19	9.25	135	12	0.000	0	116
18	8.75	135	10	0.000	0	116
17	8.25	135	9	0.000	0	117
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
LGP Allgon LGP21903	150.00	33	743	0.003	4	28
Raycap DC6-48-60-18-	150.00	32	715	0.003	4	27
Decibel DB910CE-M	150.00	16	360	0.002	2	14
Powerwave LGP17201	150.00	186	4,185	0.018	22	160
Ericsson RRUS 11 (Ba	150.00	165	3,713	0.016	20	142
Powerwave Allgon 777	150.00	210	4,725	0.020	25	181
KMW AM-X-CD-16-65-00	150.00	97	2,183	0.009	12	84
Powerwave P65-17-XLH	150.00	50	1,125	0.005	6	43
Round Platform w/ Ha	150.00	2,000	45,000	0.190	238	1,725
RFS APXV18-206517LS-	141.00	66	1,312	0.006	7	57
Alcatel-Lucent RRH2x	131.00	317	5,447	0.023	29	274
Alcatel-Lucent 1900	131.00	180	3,089	0.013	16	155
Decibel DB844H90E-XY	131.00	126	2,162	0.009	11	109
Alcatel-Lucent TD-RR	131.00	210	3,604	0.015	19	181
KMW ETCR-854L12H6	131.00	255	4,371	0.018	23	220
Round Low Profile PI	131.00	1,500	25,742	0.109	136	1,294
		32,217	237,202	1.000	1,256	27,786

Site Number: 302494

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:17 AM

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	-39.72	-1.25	0.00	-157.64	0.00	157.64	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.049
0.50	-39.57	-1.25	0.00	-157.01	0.00	157.01	3,152.93	1,576.47	4,795.55	2,368.34	0.00	0.00	0.048
1.00	-39.42	-1.25	0.00	-156.39	0.00	156.39	3,148.69	1,574.34	4,778.83	2,360.09	0.00	0.00	0.048
1.50	-39.27	-1.26	0.00	-155.76	0.00	155.76	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.01	0.048
2.00	-39.13	-1.26	0.00	-155.13	0.00	155.13	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.01	0.048
2.50	-38.98	-1.26	0.00	-154.50	0.00	154.50	3,135.89	1,567.94	4,728.75	2,335.35	0.00	-0.01	0.048
3.00	-38.83	-1.26	0.00	-153.87	0.00	153.87	3,131.60	1,565.80	4,712.08	2,327.12	0.00	-0.01	0.048
3.50	-38.68	-1.26	0.00	-153.25	0.00	153.25	3,127.31	1,563.65	4,695.42	2,318.89	0.00	-0.01	0.048
4.00	-38.53	-1.26	0.00	-152.61	0.00	152.61	3,123.00	1,561.50	4,678.77	2,310.67	0.01	-0.01	0.048
4.50	-38.39	-1.26	0.00	-151.98	0.00	151.98	3,118.68	1,559.34	4,662.14	2,302.45	0.01	-0.02	0.048
5.00	-38.24	-1.26	0.00	-151.35	0.00	151.35	3,114.35	1,557.18	4,645.51	2,294.24	0.01	-0.02	0.048
5.50	-38.09	-1.27	0.00	-150.72	0.00	150.72	3,110.02	1,555.01	4,628.91	2,286.04	0.01	-0.02	0.048
6.00	-37.95	-1.27	0.00	-150.09	0.00	150.09	3,105.67	1,552.83	4,612.31	2,277.85	0.01	-0.02	0.048
6.50	-37.80	-1.27	0.00	-149.45	0.00	149.45	3,101.31	1,550.65	4,595.73	2,269.66	0.02	-0.02	0.047
7.00	-37.65	-1.27	0.00	-148.82	0.00	148.82	3,096.94	1,548.47	4,579.16	2,261.47	0.02	-0.02	0.047
7.50	-37.51	-1.27	0.00	-148.19	0.00	148.19	3,092.56	1,546.28	4,562.60	2,253.30	0.02	-0.03	0.047
8.00	-37.34	-1.27	0.00	-147.55	0.00	147.55	3,088.17	1,544.08	4,546.06	2,245.13	0.02	-0.03	0.047
8.50	-37.17	-1.27	0.00	-146.92	0.00	146.92	3,083.77	1,541.88	4,529.53	2,236.96	0.03	-0.03	0.047
9.00	-37.00	-1.27	0.00	-146.28	0.00	146.28	3,079.36	1,539.68	4,513.01	2,228.81	0.03	-0.03	0.047
9.50	-36.84	-1.27	0.00	-145.64	0.00	145.64	3,074.94	1,537.47	4,496.51	2,220.66	0.03	-0.03	0.047
10.00	-36.67	-1.27	0.00	-145.01	0.00	145.01	3,070.50	1,535.25	4,480.02	2,212.51	0.04	-0.04	0.047
10.50	-36.51	-1.28	0.00	-144.37	0.00	144.37	3,066.06	1,533.03	4,463.54	2,204.38	0.04	-0.04	0.047
11.00	-36.34	-1.28	0.00	-143.73	0.00	143.73	3,061.61	1,530.80	4,447.08	2,196.25	0.05	-0.04	0.047
11.50	-36.17	-1.28	0.00	-143.09	0.00	143.09	3,057.15	1,528.57	4,430.63	2,188.12	0.05	-0.04	0.046
12.00	-36.01	-1.28	0.00	-142.46	0.00	142.46	3,052.67	1,526.34	4,414.20	2,180.01	0.05	-0.04	0.046
12.50	-35.84	-1.28	0.00	-141.82	0.00	141.82	3,048.19	1,524.09	4,397.78	2,171.90	0.06	-0.04	0.046
13.00	-35.68	-1.28	0.00	-141.18	0.00	141.18	3,043.69	1,521.85	4,381.37	2,163.80	0.06	-0.05	0.046
13.50	-35.51	-1.28	0.00	-140.54	0.00	140.54	3,039.19	1,519.59	4,364.98	2,155.70	0.07	-0.05	0.046
14.00	-35.35	-1.28	0.00	-139.90	0.00	139.90	3,034.67	1,517.34	4,348.61	2,147.61	0.07	-0.05	0.046
14.50	-35.18	-1.28	0.00	-139.26	0.00	139.26	3,030.15	1,515.07	4,332.24	2,139.53	0.08	-0.05	0.046
15.00	-35.02	-1.28	0.00	-138.61	0.00	138.61	3,025.61	1,512.81	4,315.90	2,131.46	0.08	-0.05	0.046
15.50	-34.85	-1.28	0.00	-137.97	0.00	137.97	3,021.07	1,510.53	4,299.57	2,123.39	0.09	-0.06	0.046
16.00	-34.69	-1.28	0.00	-137.33	0.00	137.33	3,016.51	1,508.25	4,283.25	2,115.33	0.10	-0.06	0.046
16.50	-34.53	-1.29	0.00	-136.69	0.00	136.69	3,011.94	1,505.97	4,266.95	2,107.28	0.10	-0.06	0.045
17.00	-34.36	-1.29	0.00	-136.05	0.00	136.05	3,007.37	1,503.68	4,250.66	2,099.24	0.11	-0.06	0.045
17.50	-34.20	-1.29	0.00	-135.40	0.00	135.40	3,002.78	1,501.39	4,234.39	2,091.20	0.11	-0.06	0.045
18.00	-34.04	-1.29	0.00	-134.76	0.00	134.76	2,998.18	1,499.09	4,218.13	2,083.18	0.12	-0.06	0.045
18.50	-33.87	-1.29	0.00	-134.12	0.00	134.12	2,993.57	1,496.79	4,201.89	2,075.15	0.13	-0.07	0.045
19.00	-33.71	-1.29	0.00	-133.47	0.00	133.47	2,988.95	1,494.48	4,185.66	2,067.14	0.14	-0.07	0.045
19.50	-33.55	-1.29	0.00	-132.83	0.00	132.83	2,984.32	1,492.16	4,169.45	2,059.13	0.14	-0.07	0.045
20.00	-33.38	-1.29	0.00	-132.18	0.00	132.18	2,979.68	1,489.84	4,153.25	2,051.14	0.15	-0.07	0.045
20.50	-33.22	-1.29	0.00	-131.54	0.00	131.54	2,975.03	1,487.52	4,137.08	2,043.15	0.16	-0.07	0.045
21.00	-33.06	-1.29	0.00	-130.89	0.00	130.89	2,970.37	1,485.19	4,120.91	2,035.16	0.17	-0.08	0.045
21.50	-32.90	-1.29	0.00	-130.25	0.00	130.25	2,965.70	1,482.85	4,104.77	2,027.19	0.17	-0.08	0.044
22.00	-32.74	-1.29	0.00	-129.60	0.00	129.60	2,961.02	1,480.51	4,088.63	2,019.22	0.18	-0.08	0.044
22.50	-32.57	-1.29	0.00	-128.95	0.00	128.95	2,956.33	1,478.16	4,072.52	2,011.26	0.19	-0.08	0.044
23.00	-32.41	-1.29	0.00	-128.31	0.00	128.31	2,951.62	1,475.81	4,056.42	2,003.31	0.20	-0.08	0.044
23.50	-32.25	-1.29	0.00	-127.66	0.00	127.66	2,946.91	1,473.46	4,040.34	1,995.37	0.21	-0.08	0.044
24.00	-32.09	-1.29	0.00	-127.01	0.00	127.01	2,942.19	1,471.09	4,024.27	1,987.44	0.22	-0.09	0.044
24.50	-31.93	-1.29	0.00	-126.37	0.00	126.37	2,937.46	1,468.73	4,008.22	1,979.51	0.23	-0.09	0.044
25.00	-31.77	-1.29	0.00	-125.72	0.00	125.72	2,932.71	1,466.36	3,992.19	1,971.59	0.24	-0.09	0.044
25.50	-31.61	-1.30	0.00	-125.07	0.00	125.07	2,927.96	1,463.98	3,976.18	1,963.68	0.24	-0.09	0.044
26.00	-31.45	-1.30	0.00	-124.42	0.00	124.42	2,923.19	1,461.60	3,960.18	1,955.78	0.25	-0.09	0.043
26.50	-31.29	-1.30	0.00	-123.78	0.00	123.78	2,918.42	1,459.21	3,944.20	1,947.89	0.26	-0.10	0.043
27.00	-31.13	-1.30	0.00	-123.13	0.00	123.13	2,913.63	1,456.82	3,928.23	1,940.01	0.27	-0.10	0.043
27.50	-30.97	-1.30	0.00	-122.48	0.00	122.48	2,910.08	1,455.04	3,913.96	1,932.96	0.29	-0.10	0.043

28.00	-30.81	-1.30	0.00	-121.83	0.00	121.83	2,903.11	1,451.55	3,895.11	1,923.65	0.30	-0.10	0.043
28.50	-30.65	-1.30	0.00	-121.18	0.00	121.18	2,896.13	1,448.07	3,876.32	1,914.37	0.31	-0.10	0.043
29.00	-30.49	-1.30	0.00	-120.54	0.00	120.54	2,889.16	1,444.58	3,857.57	1,905.11	0.32	-0.11	0.043
29.50	-30.33	-1.30	0.00	-119.89	0.00	119.89	2,882.19	1,441.09	3,838.86	1,895.87	0.33	-0.11	0.043
30.00	-30.18	-1.30	0.00	-119.24	0.00	119.24	2,875.21	1,437.61	3,820.20	1,886.65	0.34	-0.11	0.043
30.50	-30.02	-1.30	0.00	-118.59	0.00	118.59	2,868.24	1,434.12	3,801.59	1,877.46	0.35	-0.11	0.043
31.00	-29.86	-1.30	0.00	-117.94	0.00	117.94	2,861.26	1,430.63	3,783.02	1,868.29	0.36	-0.11	0.042
31.50	-29.63	-1.30	0.00	-117.29	0.00	117.29	2,854.29	1,427.15	3,764.50	1,859.14	0.38	-0.11	0.042
32.00	-29.41	-1.30	0.00	-116.65	0.00	116.65	2,847.32	1,423.66	3,746.02	1,850.02	0.39	-0.12	0.042
32.50	-29.18	-1.30	0.00	-116.00	0.00	116.00	2,840.34	1,420.17	3,727.58	1,840.91	0.40	-0.12	0.042
33.00	-28.95	-1.29	0.00	-115.35	0.00	115.35	2,833.37	1,416.69	3,709.20	1,831.83	0.41	-0.12	0.041
33.50	-28.73	-1.29	0.00	-114.70	0.00	114.70	2,826.40	1,413.20	3,690.85	1,822.77	0.42	-0.12	0.041
34.00	-28.50	-1.29	0.00	-114.06	0.00	114.06	2,819.42	1,409.71	3,672.56	1,813.74	0.44	-0.12	0.041
34.50	-28.28	-1.29	0.00	-113.41	0.00	113.41	2,812.45	1,406.22	3,654.31	1,804.72	0.45	-0.13	0.041
35.00	-28.05	-1.29	0.00	-112.76	0.00	112.76	2,805.48	1,402.74	3,636.10	1,795.73	0.46	-0.13	0.041
35.50	-27.98	-1.29	0.00	-112.12	0.00	112.12	2,798.50	1,399.25	3,617.94	1,786.76	0.48	-0.13	0.041
35.67	-27.88	-1.29	0.00	-111.90	0.00	111.90	2,248.07	1,124.03	2,973.91	1,468.70	0.48	-0.13	0.047
36.00	-27.74	-1.29	0.00	-111.47	0.00	111.47	2,245.83	1,122.91	2,966.06	1,464.83	0.49	-0.13	0.047
36.50	-27.69	-1.29	0.00	-110.83	0.00	110.83	2,242.46	1,121.23	2,954.30	1,459.02	0.51	-0.13	0.047
36.67	-27.60	-1.29	0.00	-110.61	0.00	110.61	2,241.31	1,120.65	2,950.31	1,457.05	0.51	-0.13	0.047
36.67	-27.60	-1.29	0.00	-110.61	0.00	110.61	2,241.31	1,120.65	2,950.31	1,457.05	0.51	-0.13	0.050
37.00	-27.46	-1.29	0.00	-110.18	0.00	110.18	2,239.08	1,119.54	2,942.55	1,453.22	0.52	-0.14	0.050
37.50	-27.33	-1.29	0.00	-109.54	0.00	109.54	2,235.69	1,117.84	2,930.81	1,447.42	0.53	-0.14	0.050
38.00	-27.19	-1.29	0.00	-108.89	0.00	108.89	2,232.29	1,116.14	2,919.08	1,441.62	0.55	-0.14	0.050
38.50	-27.05	-1.29	0.00	-108.24	0.00	108.24	2,228.88	1,114.44	2,907.36	1,435.83	0.56	-0.14	0.050
39.00	-26.92	-1.29	0.00	-107.60	0.00	107.60	2,225.46	1,112.73	2,895.64	1,430.05	0.58	-0.14	0.050
39.50	-26.78	-1.29	0.00	-106.95	0.00	106.95	2,222.03	1,111.01	2,883.93	1,424.27	0.59	-0.15	0.049
40.00	-26.65	-1.29	0.00	-106.31	0.00	106.31	2,218.59	1,109.29	2,872.23	1,418.49	0.61	-0.15	0.049
40.50	-26.51	-1.29	0.00	-105.66	0.00	105.66	2,215.14	1,107.57	2,860.55	1,412.72	0.62	-0.15	0.049
41.00	-26.38	-1.29	0.00	-105.02	0.00	105.02	2,211.67	1,105.84	2,848.87	1,406.95	0.64	-0.15	0.049
41.50	-26.24	-1.29	0.00	-104.38	0.00	104.38	2,208.20	1,104.10	2,837.20	1,401.18	0.66	-0.15	0.049
42.00	-26.11	-1.29	0.00	-103.73	0.00	103.73	2,204.72	1,102.36	2,825.53	1,395.42	0.67	-0.16	0.049
42.50	-25.98	-1.29	0.00	-103.09	0.00	103.09	2,201.23	1,100.61	2,813.88	1,389.67	0.69	-0.16	0.048
43.00	-25.84	-1.29	0.00	-102.44	0.00	102.44	2,197.72	1,098.86	2,802.24	1,383.92	0.71	-0.16	0.048
43.50	-25.71	-1.29	0.00	-101.80	0.00	101.80	2,194.21	1,097.10	2,790.61	1,378.18	0.72	-0.16	0.048
44.00	-25.57	-1.29	0.00	-101.16	0.00	101.16	2,190.68	1,095.34	2,778.98	1,372.44	0.74	-0.17	0.048
44.50	-25.44	-1.29	0.00	-100.51	0.00	100.51	2,187.15	1,093.57	2,767.37	1,366.70	0.76	-0.17	0.048
45.00	-25.31	-1.29	0.00	-99.87	0.00	99.87	2,183.60	1,091.80	2,755.77	1,360.97	0.77	-0.17	0.047
45.50	-25.17	-1.28	0.00	-99.23	0.00	99.23	2,180.05	1,090.02	2,744.17	1,355.24	0.79	-0.17	0.047
46.00	-25.04	-1.28	0.00	-98.59	0.00	98.59	2,176.48	1,088.24	2,732.59	1,349.52	0.81	-0.17	0.047
46.50	-24.91	-1.28	0.00	-97.94	0.00	97.94	2,172.91	1,086.45	2,721.02	1,343.81	0.83	-0.18	0.047
47.00	-24.78	-1.28	0.00	-97.30	0.00	97.30	2,169.32	1,084.66	2,709.45	1,338.10	0.85	-0.18	0.047
47.50	-24.64	-1.28	0.00	-96.66	0.00	96.66	2,165.72	1,082.86	2,697.90	1,332.39	0.87	-0.18	0.047
48.00	-24.51	-1.28	0.00	-96.02	0.00	96.02	2,162.11	1,081.06	2,686.36	1,326.69	0.89	-0.18	0.046
48.50	-24.38	-1.28	0.00	-95.38	0.00	95.38	2,158.50	1,079.25	2,674.83	1,321.00	0.90	-0.18	0.046
49.00	-24.25	-1.28	0.00	-94.74	0.00	94.74	2,154.87	1,077.43	2,663.31	1,315.31	0.92	-0.19	0.046
49.50	-24.11	-1.28	0.00	-94.10	0.00	94.10	2,151.23	1,075.61	2,651.80	1,309.62	0.94	-0.19	0.046
50.00	-23.98	-1.28	0.00	-93.46	0.00	93.46	2,147.58	1,073.79	2,640.30	1,303.95	0.96	-0.19	0.046
50.50	-23.85	-1.28	0.00	-92.82	0.00	92.82	2,143.92	1,071.96	2,628.81	1,298.27	0.98	-0.19	0.046
51.00	-23.72	-1.27	0.00	-92.19	0.00	92.19	2,140.25	1,070.13	2,617.34	1,292.60	1.00	-0.20	0.045
51.50	-23.59	-1.27	0.00	-91.55	0.00	91.55	2,136.57	1,068.29	2,605.87	1,286.94	1.02	-0.20	0.045
52.00	-23.46	-1.27	0.00	-90.91	0.00	90.91	2,132.88	1,066.44	2,594.42	1,281.29	1.05	-0.20	0.045
52.50	-23.33	-1.27	0.00	-90.28	0.00	90.28	2,129.18	1,064.59	2,582.98	1,275.64	1.07	-0.20	0.045
53.00	-23.20	-1.27	0.00	-89.64	0.00	89.64	2,125.47	1,062.73	2,571.55	1,269.99	1.09	-0.20	0.045
53.50	-23.06	-1.27	0.00	-89.00	0.00	89.00	2,121.75	1,060.87	2,560.13	1,264.35	1.11	-0.21	0.044
54.00	-22.93	-1.27	0.00	-88.37	0.00	88.37	2,118.01	1,059.01	2,548.72	1,258.72	1.13	-0.21	0.044
54.50	-22.80	-1.27	0.00	-87.74	0.00	87.74	2,114.27	1,057.14	2,537.32	1,253.09	1.15	-0.21	0.044
55.00	-22.67	-1.27	0.00	-87.10	0.00	87.10	2,110.52	1,055.26	2,525.94	1,247.47	1.17	-0.21	0.044
55.50	-22.54	-1.26	0.00	-86.47	0.00	86.47	2,106.75	1,053.38	2,514.57	1,241.85	1.20	-0.21	0.044
56.00	-22.41	-1.26	0.00	-85.84	0.00	85.84	2,102.98	1,051.49	2,503.21	1,236.24	1.22	-0.22	0.043
56.50	-22.28	-1.26	0.00	-85.21	0.00	85.21	2,099.20	1,049.60	2,491.86	1,230.64	1.24	-0.22	0.043
57.00	-22.16	-1.26	0.00	-84.58	0.00	84.58	2,095.40	1,047.70	2,480.53	1,225.04	1.27	-0.22	0.043
57.50	-22.03	-1.26	0.00	-83.95	0.00	83.95	2,091.60	1,045.80	2,469.21	1,219.45	1.29	-0.22	0.043
58.00	-21.90	-1.26	0.00	-83.32	0.00	83.32	2,087.78	1,043.89	2,457.90	1,213.86	1.31	-0.22	0.043

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:17 AM

Customer: SPRINT NEXTEL

58.50	-21.77	-1.25	0.00	-82.69	0.00	82.69	2,083.96	1,041.98	2,446.60	1,208.28	1.34	-0.23	0.043
59.00	-21.64	-1.25	0.00	-82.06	0.00	82.06	2,080.12	1,040.06	2,435.32	1,202.71	1.36	-0.23	0.042
59.50	-21.51	-1.25	0.00	-81.44	0.00	81.44	2,076.27	1,038.14	2,424.04	1,197.14	1.38	-0.23	0.042
60.00	-21.38	-1.25	0.00	-80.81	0.00	80.81	2,072.41	1,036.21	2,412.79	1,191.58	1.41	-0.23	0.042
60.50	-21.25	-1.25	0.00	-80.18	0.00	80.18	2,068.55	1,034.27	2,401.54	1,186.03	1.43	-0.24	0.042
61.00	-21.13	-1.25	0.00	-79.56	0.00	79.56	2,064.67	1,032.33	2,390.31	1,180.48	1.46	-0.24	0.042
61.50	-21.00	-1.24	0.00	-78.94	0.00	78.94	2,060.78	1,030.39	2,379.09	1,174.94	1.48	-0.24	0.041
62.00	-20.87	-1.24	0.00	-78.32	0.00	78.32	2,056.88	1,028.44	2,367.88	1,169.41	1.51	-0.24	0.041
62.50	-20.74	-1.24	0.00	-77.69	0.00	77.69	2,052.97	1,026.49	2,356.69	1,163.88	1.53	-0.24	0.041
63.00	-20.61	-1.24	0.00	-77.07	0.00	77.07	2,049.05	1,024.53	2,345.51	1,158.36	1.56	-0.25	0.041
63.50	-20.49	-1.24	0.00	-76.45	0.00	76.45	2,045.12	1,022.56	2,334.35	1,152.85	1.58	-0.25	0.041
64.00	-20.36	-1.23	0.00	-75.84	0.00	75.84	2,041.18	1,020.59	2,323.20	1,147.34	1.61	-0.25	0.040
64.50	-20.23	-1.23	0.00	-75.22	0.00	75.22	2,037.23	1,018.62	2,312.06	1,141.84	1.64	-0.25	0.040
65.00	-20.11	-1.23	0.00	-74.60	0.00	74.60	2,033.27	1,016.64	2,300.94	1,136.35	1.66	-0.25	0.040
65.50	-19.98	-1.23	0.00	-73.99	0.00	73.99	2,029.30	1,014.65	2,289.83	1,130.86	1.69	-0.26	0.040
66.00	-19.85	-1.23	0.00	-73.37	0.00	73.37	2,025.32	1,012.66	2,278.74	1,125.38	1.72	-0.26	0.040
66.50	-19.73	-1.22	0.00	-72.76	0.00	72.76	2,021.33	1,010.66	2,267.65	1,119.91	1.74	-0.26	0.039
67.00	-19.60	-1.22	0.00	-72.15	0.00	72.15	2,016.97	1,008.48	2,256.19	1,114.25	1.77	-0.26	0.039
67.50	-19.48	-1.22	0.00	-71.54	0.00	71.54	2,011.16	1,005.58	2,243.13	1,107.80	1.80	-0.26	0.039
68.00	-19.35	-1.22	0.00	-70.93	0.00	70.93	2,005.34	1,002.67	2,230.12	1,101.37	1.83	-0.27	0.039
68.50	-19.22	-1.21	0.00	-70.32	0.00	70.32	1,999.53	999.77	2,217.14	1,094.96	1.86	-0.27	0.039
69.00	-19.10	-1.21	0.00	-69.71	0.00	69.71	1,993.72	996.86	2,204.19	1,088.57	1.88	-0.27	0.038
69.50	-18.97	-1.21	0.00	-69.11	0.00	69.11	1,987.91	993.96	2,191.29	1,082.20	1.91	-0.27	0.038
70.00	-18.80	-1.21	0.00	-68.50	0.00	68.50	1,982.10	991.05	2,178.42	1,075.84	1.94	-0.27	0.038
70.50	-18.63	-1.20	0.00	-67.90	0.00	67.90	1,976.29	988.14	2,165.59	1,069.51	1.97	-0.28	0.037
71.00	-18.46	-1.20	0.00	-67.30	0.00	67.30	1,970.48	985.24	2,152.80	1,063.19	2.00	-0.28	0.037
71.50	-18.29	-1.19	0.00	-66.70	0.00	66.70	1,964.67	982.33	2,140.05	1,056.89	2.03	-0.28	0.037
72.00	-18.12	-1.19	0.00	-66.10	0.00	66.10	1,958.85	979.43	2,127.34	1,050.61	2.06	-0.28	0.037
72.50	-17.95	-1.19	0.00	-65.51	0.00	65.51	1,953.04	976.52	2,114.66	1,044.35	2.09	-0.28	0.037
73.00	-17.84	-1.18	0.00	-64.92	0.00	64.92	1,947.23	973.62	2,102.02	1,038.11	2.12	-0.29	0.036
73.33	-17.78	-1.18	0.00	-64.52	0.00	64.52	1,943.40	971.70	2,093.70	1,034.00	2.14	-0.29	0.036
73.33	-17.78	-1.18	0.00	-64.52	0.00	64.52	1,943.40	971.70	2,093.70	1,034.00	2.14	-0.29	0.040
73.50	-17.68	-1.18	0.00	-64.32	0.00	64.32	1,473.96	736.98	1,624.57	802.32	2.15	-0.29	0.047
74.00	-17.57	-1.18	0.00	-63.73	0.00	63.73	1,471.41	735.71	1,616.97	798.56	2.18	-0.29	0.047
74.50	-17.47	-1.17	0.00	-63.15	0.00	63.15	1,468.85	734.43	1,609.36	794.80	2.21	-0.29	0.047
75.00	-17.36	-1.17	0.00	-62.56	0.00	62.56	1,466.28	733.14	1,601.77	791.05	2.24	-0.30	0.046
75.50	-17.25	-1.17	0.00	-61.97	0.00	61.97	1,463.70	731.85	1,594.18	787.30	2.27	-0.30	0.046
76.00	-17.15	-1.17	0.00	-61.39	0.00	61.39	1,461.11	730.55	1,586.59	783.56	2.30	-0.30	0.046
76.50	-17.04	-1.17	0.00	-60.80	0.00	60.80	1,458.51	729.25	1,579.01	779.81	2.33	-0.30	0.046
77.00	-16.94	-1.16	0.00	-60.22	0.00	60.22	1,455.89	727.95	1,571.44	776.07	2.36	-0.31	0.045
77.50	-16.83	-1.16	0.00	-59.64	0.00	59.64	1,453.27	726.64	1,563.87	772.34	2.40	-0.31	0.045
78.00	-16.73	-1.16	0.00	-59.06	0.00	59.06	1,450.64	725.32	1,556.31	768.60	2.43	-0.31	0.045
78.50	-16.62	-1.15	0.00	-58.48	0.00	58.48	1,447.99	724.00	1,548.75	764.87	2.46	-0.31	0.044
79.00	-16.52	-1.15	0.00	-57.90	0.00	57.90	1,445.34	722.67	1,541.20	761.14	2.49	-0.31	0.044
79.50	-16.42	-1.15	0.00	-57.33	0.00	57.33	1,442.68	721.34	1,533.65	757.41	2.53	-0.32	0.044
80.00	-16.31	-1.15	0.00	-56.75	0.00	56.75	1,440.00	720.00	1,526.12	753.69	2.56	-0.32	0.043
80.50	-16.21	-1.14	0.00	-56.18	0.00	56.18	1,437.32	718.66	1,518.59	749.97	2.59	-0.32	0.043
81.00	-16.10	-1.14	0.00	-55.61	0.00	55.61	1,434.62	717.31	1,511.06	746.26	2.63	-0.32	0.043
81.50	-16.00	-1.14	0.00	-55.04	0.00	55.04	1,431.91	715.96	1,503.54	742.54	2.66	-0.33	0.043
82.00	-15.90	-1.13	0.00	-54.47	0.00	54.47	1,429.20	714.60	1,496.03	738.83	2.70	-0.33	0.042
82.50	-15.79	-1.13	0.00	-53.90	0.00	53.90	1,426.47	713.23	1,488.53	735.13	2.73	-0.33	0.042
83.00	-15.69	-1.13	0.00	-53.34	0.00	53.34	1,423.73	711.87	1,481.03	731.43	2.77	-0.33	0.042
83.50	-15.58	-1.13	0.00	-52.77	0.00	52.77	1,420.98	710.49	1,473.54	727.73	2.80	-0.33	0.041
84.00	-15.48	-1.12	0.00	-52.21	0.00	52.21	1,418.23	709.11	1,466.06	724.03	2.84	-0.34	0.041
84.50	-15.38	-1.12	0.00	-51.65	0.00	51.65	1,415.46	707.73	1,458.58	720.34	2.87	-0.34	0.041
85.00	-15.28	-1.12	0.00	-51.09	0.00	51.09	1,412.68	706.34	1,451.11	716.65	2.91	-0.34	0.041
85.50	-15.17	-1.11	0.00	-50.53	0.00	50.53	1,409.89	704.94	1,443.65	712.97	2.94	-0.34	0.040
86.00	-15.07	-1.11	0.00	-49.97	0.00	49.97	1,407.09	703.54	1,436.20	709.28	2.98	-0.35	0.040
86.50	-14.97	-1.11	0.00	-49.42	0.00	49.42	1,404.28	702.14	1,428.75	705.61	3.02	-0.35	0.040
87.00	-14.86	-1.10	0.00	-48.86	0.00	48.86	1,401.46	700.73	1,421.32	701.93	3.05	-0.35	0.039
87.50	-14.76	-1.10	0.00	-48.31	0.00	48.31	1,398.63	699.31	1,413.89	698.26	3.09	-0.35	0.039
88.00	-14.66	-1.10	0.00	-47.76	0.00	47.76	1,395.79	697.89	1,406.46	694.60	3.13	-0.35	0.039
88.50	-14.56	-1.09	0.00	-47.22	0.00	47.22	1,392.93	696.47	1,399.05	690.94	3.16	-0.36	0.038
89.00	-14.46	-1.09	0.00	-46.67	0.00	46.67	1,390.07	695.04	1,391.64	687.28	3.20	-0.36	0.038

89.50	-14.35	-1.09	0.00	-46.12	0.00	46.12	1,387.20	693.60	1,384.25	683.63	3.24	-0.36	0.038
90.00	-14.25	-1.08	0.00	-45.58	0.00	45.58	1,384.32	692.16	1,376.86	679.98	3.28	-0.36	0.037
90.50	-14.15	-1.08	0.00	-45.04	0.00	45.04	1,381.42	690.71	1,369.48	676.33	3.31	-0.37	0.037
91.00	-14.05	-1.07	0.00	-44.50	0.00	44.50	1,378.52	689.26	1,362.10	672.69	3.35	-0.37	0.037
91.50	-13.95	-1.07	0.00	-43.96	0.00	43.96	1,375.61	687.80	1,354.74	669.06	3.39	-0.37	0.037
92.00	-13.85	-1.07	0.00	-43.43	0.00	43.43	1,372.68	686.34	1,347.39	665.42	3.43	-0.37	0.036
92.50	-13.75	-1.06	0.00	-42.90	0.00	42.90	1,369.75	684.87	1,340.04	661.80	3.47	-0.37	0.036
93.00	-13.65	-1.06	0.00	-42.36	0.00	42.36	1,366.80	683.40	1,332.70	658.17	3.51	-0.38	0.036
93.50	-13.55	-1.06	0.00	-41.83	0.00	41.83	1,363.85	681.92	1,325.38	654.55	3.55	-0.38	0.035
94.00	-13.44	-1.05	0.00	-41.31	0.00	41.31	1,360.88	680.44	1,318.06	650.94	3.59	-0.38	0.035
94.50	-13.34	-1.05	0.00	-40.78	0.00	40.78	1,357.90	678.95	1,310.75	647.33	3.63	-0.38	0.035
95.00	-13.24	-1.04	0.00	-40.26	0.00	40.26	1,354.92	677.46	1,303.45	643.72	3.67	-0.38	0.034
95.50	-13.14	-1.04	0.00	-39.74	0.00	39.74	1,351.92	675.96	1,296.16	640.12	3.71	-0.39	0.034
96.00	-13.04	-1.03	0.00	-39.22	0.00	39.22	1,348.91	674.46	1,288.88	636.53	3.75	-0.39	0.034
96.50	-12.94	-1.03	0.00	-38.70	0.00	38.70	1,345.89	672.95	1,281.61	632.94	3.79	-0.39	0.033
97.00	-12.84	-1.03	0.00	-38.18	0.00	38.18	1,342.86	671.43	1,274.35	629.35	3.83	-0.39	0.033
97.50	-12.74	-1.02	0.00	-37.67	0.00	37.67	1,339.82	669.91	1,267.09	625.77	3.87	-0.39	0.033
98.00	-12.65	-1.02	0.00	-37.16	0.00	37.16	1,336.78	668.39	1,259.85	622.19	3.91	-0.40	0.032
98.50	-12.55	-1.01	0.00	-36.65	0.00	36.65	1,333.72	666.86	1,252.62	618.62	3.96	-0.40	0.032
99.00	-12.45	-1.01	0.00	-36.14	0.00	36.14	1,330.65	665.32	1,245.40	615.06	4.00	-0.40	0.032
99.50	-12.35	-1.00	0.00	-35.64	0.00	35.64	1,327.57	663.78	1,238.19	611.50	4.04	-0.40	0.032
100.00	-12.25	-1.00	0.00	-35.14	0.00	35.14	1,324.47	662.24	1,230.99	607.94	4.08	-0.40	0.031
100.50	-12.15	-1.00	0.00	-34.64	0.00	34.64	1,321.37	660.69	1,223.80	604.39	4.12	-0.41	0.031
101.00	-12.05	-0.99	0.00	-34.14	0.00	34.14	1,318.26	659.13	1,216.62	600.84	4.17	-0.41	0.031
101.50	-11.95	-0.99	0.00	-33.65	0.00	33.65	1,315.14	657.57	1,209.45	597.30	4.21	-0.41	0.030
102.00	-11.85	-0.98	0.00	-33.15	0.00	33.15	1,312.01	656.00	1,202.30	593.77	4.25	-0.41	0.030
102.50	-11.76	-0.98	0.00	-32.66	0.00	32.66	1,308.86	654.43	1,195.15	590.24	4.30	-0.41	0.030
103.00	-11.66	-0.97	0.00	-32.17	0.00	32.17	1,305.71	652.86	1,188.02	586.72	4.34	-0.42	0.029
103.50	-11.56	-0.97	0.00	-31.69	0.00	31.69	1,302.55	651.27	1,180.89	583.20	4.38	-0.42	0.029
104.00	-11.46	-0.96	0.00	-31.20	0.00	31.20	1,299.37	649.69	1,173.78	579.69	4.43	-0.42	0.029
104.50	-11.36	-0.96	0.00	-30.72	0.00	30.72	1,296.19	648.09	1,166.68	576.18	4.47	-0.42	0.028
105.00	-11.27	-0.95	0.00	-30.24	0.00	30.24	1,292.99	646.50	1,159.59	572.68	4.52	-0.42	0.028
105.50	-11.17	-0.95	0.00	-29.77	0.00	29.77	1,288.98	644.49	1,151.78	568.82	4.56	-0.42	0.028
106.00	-11.07	-0.94	0.00	-29.29	0.00	29.29	1,284.33	642.16	1,143.44	564.70	4.60	-0.43	0.027
106.50	-10.97	-0.94	0.00	-28.82	0.00	28.82	1,279.68	639.84	1,135.13	560.60	4.65	-0.43	0.027
107.00	-10.88	-0.93	0.00	-28.35	0.00	28.35	1,275.03	637.51	1,126.85	556.51	4.69	-0.43	0.027
107.50	-10.78	-0.93	0.00	-27.89	0.00	27.89	1,270.38	635.19	1,118.60	552.44	4.74	-0.43	0.027
108.00	-10.68	-0.92	0.00	-27.43	0.00	27.43	1,265.73	632.87	1,110.38	548.38	4.78	-0.43	0.026
108.50	-10.59	-0.92	0.00	-26.96	0.00	26.96	1,261.08	630.54	1,102.19	544.33	4.83	-0.44	0.026
109.00	-10.49	-0.91	0.00	-26.51	0.00	26.51	1,256.43	628.22	1,094.04	540.30	4.88	-0.44	0.026
109.50	-10.39	-0.91	0.00	-26.05	0.00	26.05	1,251.78	625.89	1,085.91	536.29	4.92	-0.44	0.025
110.00	-10.31	-0.90	0.00	-25.60	0.00	25.60	1,247.14	623.57	1,077.81	532.29	4.97	-0.44	0.025
110.00	-10.31	-0.90	0.00	-25.60	0.00	25.60	853.24	426.62	741.79	366.34	4.97	-0.44	0.000
110.50	-10.23	-0.90	0.00	-25.15	0.00	25.15	851.46	425.73	737.48	364.21	5.01	-0.44	0.035
111.00	-10.16	-0.89	0.00	-24.70	0.00	24.70	849.67	424.84	733.15	362.07	5.06	-0.44	0.035
111.50	-10.08	-0.89	0.00	-24.25	0.00	24.25	847.87	423.94	728.83	359.94	5.11	-0.45	0.034
112.00	-10.00	-0.88	0.00	-23.81	0.00	23.81	846.07	423.03	724.52	357.81	5.15	-0.45	0.034
112.50	-9.92	-0.88	0.00	-23.37	0.00	23.37	844.25	422.12	720.21	355.68	5.20	-0.45	0.033
113.00	-9.84	-0.87	0.00	-22.93	0.00	22.93	842.42	421.21	715.90	353.56	5.25	-0.45	0.033
113.50	-9.76	-0.87	0.00	-22.49	0.00	22.49	840.58	420.29	711.60	351.43	5.30	-0.45	0.032
114.00	-9.68	-0.86	0.00	-22.06	0.00	22.06	838.73	419.36	707.30	349.31	5.34	-0.46	0.032
114.50	-9.60	-0.86	0.00	-21.62	0.00	21.62	836.87	418.43	703.00	347.19	5.39	-0.46	0.031
115.00	-9.52	-0.86	0.00	-21.19	0.00	21.19	834.99	417.50	698.71	345.06	5.44	-0.46	0.031
115.50	-9.45	-0.85	0.00	-20.77	0.00	20.77	833.11	416.56	694.42	342.95	5.49	-0.46	0.030
116.00	-9.37	-0.85	0.00	-20.34	0.00	20.34	831.22	415.61	690.13	340.83	5.54	-0.46	0.030
116.50	-9.32	-0.84	0.00	-19.92	0.00	19.92	829.32	414.66	685.85	338.71	5.59	-0.47	0.029
116.50	-9.32	-0.84	0.00	-19.92	0.00	19.92	829.32	414.66	685.85	338.71	5.59	-0.47	0.070
117.00	-9.27	-0.84	0.00	-19.50	0.00	19.50	827.41	413.70	681.57	336.60	5.63	-0.47	0.069
117.50	-9.23	-0.84	0.00	-19.08	0.00	19.08	825.48	412.74	677.29	334.49	5.68	-0.47	0.068
118.00	-9.18	-0.84	0.00	-18.66	0.00	18.66	823.55	411.77	673.02	332.38	5.73	-0.48	0.067
118.50	-9.14	-0.83	0.00	-18.24	0.00	18.24	821.61	410.80	668.75	330.27	5.78	-0.48	0.066
119.00	-9.09	-0.83	0.00	-17.82	0.00	17.82	819.65	409.83	664.49	328.17	5.83	-0.49	0.065
119.50	-9.04	-0.83	0.00	-17.41	0.00	17.41	817.69	408.84	660.23	326.06	5.89	-0.49	0.064
120.00	-9.00	-0.83	0.00	-16.99	0.00	16.99	815.71	407.86	655.98	323.96	5.94	-0.49	0.063

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:17 AM

Customer: SPRINT NEXTEL

120.50	-8.95	-0.82	0.00	-16.58	0.00	16.58	813.73	406.86	651.73	321.87	5.99	-0.50	0.063
121.00	-8.91	-0.82	0.00	-16.17	0.00	16.17	811.73	405.86	647.49	319.77	6.04	-0.50	0.062
121.50	-8.86	-0.82	0.00	-15.76	0.00	15.76	809.72	404.86	643.25	317.68	6.09	-0.51	0.061
122.00	-8.81	-0.82	0.00	-15.35	0.00	15.35	807.71	403.85	639.01	315.58	6.15	-0.51	0.060
122.50	-8.77	-0.81	0.00	-14.94	0.00	14.94	805.68	402.84	634.78	313.49	6.20	-0.51	0.059
123.00	-8.72	-0.81	0.00	-14.54	0.00	14.54	803.64	401.82	630.56	311.41	6.26	-0.52	0.058
123.50	-8.68	-0.81	0.00	-14.13	0.00	14.13	801.59	400.80	626.34	309.32	6.31	-0.52	0.057
124.00	-8.63	-0.80	0.00	-13.73	0.00	13.73	799.54	399.77	622.12	307.24	6.37	-0.53	0.055
124.50	-8.59	-0.80	0.00	-13.33	0.00	13.33	797.47	398.73	617.91	305.16	6.42	-0.53	0.054
125.00	-8.54	-0.80	0.00	-12.93	0.00	12.93	795.39	397.69	613.71	303.09	6.48	-0.53	0.053
125.50	-8.50	-0.80	0.00	-12.53	0.00	12.53	793.30	396.65	609.51	301.01	6.53	-0.54	0.052
126.00	-8.45	-0.79	0.00	-12.13	0.00	12.13	791.20	395.60	605.32	298.94	6.59	-0.54	0.051
126.50	-8.41	-0.79	0.00	-11.73	0.00	11.73	789.09	394.54	601.13	296.88	6.65	-0.54	0.050
127.00	-8.36	-0.79	0.00	-11.34	0.00	11.34	786.97	393.48	596.95	294.81	6.70	-0.55	0.049
127.50	-8.32	-0.78	0.00	-10.94	0.00	10.94	784.84	392.42	592.78	292.75	6.76	-0.55	0.048
128.00	-8.27	-0.78	0.00	-10.55	0.00	10.55	782.69	391.35	588.61	290.69	6.82	-0.55	0.047
128.50	-8.23	-0.78	0.00	-10.16	0.00	10.16	780.54	390.27	584.44	288.64	6.88	-0.56	0.046
129.00	-8.19	-0.77	0.00	-9.77	0.00	9.77	778.38	389.19	580.29	286.58	6.93	-0.56	0.045
129.50	-8.14	-0.77	0.00	-9.39	0.00	9.39	776.21	388.10	576.14	284.53	6.99	-0.56	0.043
130.00	-8.10	-0.77	0.00	-9.00	0.00	9.00	774.02	387.01	572.00	282.49	7.05	-0.57	0.042
130.50	-8.05	-0.76	0.00	-8.62	0.00	8.62	771.83	385.91	567.86	280.44	7.11	-0.57	0.041
131.00	-4.82	-0.49	0.00	-8.23	0.00	8.23	769.63	384.81	563.73	278.40	7.17	-0.57	0.036
131.50	-4.78	-0.49	0.00	-7.99	0.00	7.99	767.41	383.71	559.60	276.37	7.23	-0.57	0.035
132.00	-4.74	-0.49	0.00	-7.74	0.00	7.74	765.19	382.59	555.49	274.33	7.29	-0.58	0.034
132.50	-4.70	-0.49	0.00	-7.50	0.00	7.50	762.95	381.48	551.38	272.31	7.35	-0.58	0.034
133.00	-4.66	-0.48	0.00	-7.25	0.00	7.25	760.71	380.35	547.28	270.28	7.41	-0.58	0.033
133.50	-4.63	-0.48	0.00	-7.01	0.00	7.01	758.45	379.23	543.18	268.26	7.47	-0.58	0.032
134.00	-4.59	-0.48	0.00	-6.77	0.00	6.77	756.18	378.09	539.09	266.24	7.54	-0.59	0.032
134.50	-4.55	-0.47	0.00	-6.53	0.00	6.53	753.91	376.95	535.01	264.22	7.60	-0.59	0.031
135.00	-4.51	-0.47	0.00	-6.30	0.00	6.30	751.62	375.81	530.94	262.21	7.66	-0.59	0.030
135.50	-4.48	-0.47	0.00	-6.06	0.00	6.06	749.32	374.66	526.87	260.20	7.72	-0.59	0.029
136.00	-4.44	-0.46	0.00	-5.83	0.00	5.83	747.01	373.51	522.82	258.20	7.78	-0.60	0.029
136.50	-4.40	-0.46	0.00	-5.60	0.00	5.60	744.70	372.35	518.77	256.20	7.85	-0.60	0.028
137.00	-4.37	-0.46	0.00	-5.37	0.00	5.37	742.37	371.18	514.72	254.20	7.91	-0.60	0.027
137.50	-4.33	-0.45	0.00	-5.14	0.00	5.14	740.03	370.01	510.69	252.21	7.97	-0.60	0.026
138.00	-4.29	-0.45	0.00	-4.91	0.00	4.91	737.68	368.84	506.66	250.22	8.04	-0.60	0.025
138.50	-4.26	-0.45	0.00	-4.68	0.00	4.68	735.32	367.66	502.65	248.24	8.10	-0.61	0.025
139.00	-4.22	-0.45	0.00	-4.46	0.00	4.46	732.95	366.47	498.64	246.26	8.16	-0.61	0.024
139.50	-4.18	-0.44	0.00	-4.24	0.00	4.24	730.57	365.28	494.64	244.28	8.23	-0.61	0.023
140.00	-4.15	-0.44	0.00	-4.02	0.00	4.02	728.18	364.09	490.64	242.31	8.29	-0.61	0.022
140.50	-4.11	-0.44	0.00	-3.80	0.00	3.80	725.44	362.72	486.44	240.23	8.35	-0.61	0.021
141.00	-3.99	-0.42	0.00	-3.58	0.00	3.58	721.95	360.98	481.74	237.92	8.42	-0.61	0.021
141.50	-3.96	-0.42	0.00	-3.37	0.00	3.37	718.47	359.23	477.08	235.61	8.48	-0.62	0.020
142.00	-3.93	-0.42	0.00	-3.16	0.00	3.16	714.98	357.49	472.43	233.32	8.55	-0.62	0.019
142.50	-3.90	-0.42	0.00	-2.95	0.00	2.95	711.49	355.75	467.81	231.03	8.61	-0.62	0.018
143.00	-3.86	-0.41	0.00	-2.74	0.00	2.74	708.01	354.00	463.21	228.76	8.68	-0.62	0.017
143.50	-3.83	-0.41	0.00	-2.53	0.00	2.53	704.52	352.26	458.63	226.50	8.74	-0.62	0.017
144.00	-3.80	-0.41	0.00	-2.33	0.00	2.33	701.03	350.52	454.07	224.25	8.81	-0.62	0.016
144.50	-3.77	-0.40	0.00	-2.13	0.00	2.13	697.55	348.77	449.54	222.01	8.87	-0.62	0.015
145.00	-3.73	-0.40	0.00	-1.92	0.00	1.92	694.06	347.03	445.03	219.78	8.94	-0.62	0.014
145.50	-3.70	-0.40	0.00	-1.72	0.00	1.72	690.57	345.29	440.55	217.57	9.00	-0.63	0.013
146.00	-3.67	-0.39	0.00	-1.53	0.00	1.53	687.09	343.54	436.08	215.36	9.07	-0.63	0.012
146.50	-3.64	-0.39	0.00	-1.33	0.00	1.33	683.60	341.80	431.64	213.17	9.13	-0.63	0.012
147.00	-3.61	-0.39	0.00	-1.14	0.00	1.14	680.11	340.06	427.22	210.99	9.20	-0.63	0.011
147.50	-3.57	-0.38	0.00	-0.94	0.00	0.94	676.63	338.31	422.83	208.82	9.27	-0.63	0.010
148.00	-3.54	-0.38	0.00	-0.75	0.00	0.75	673.14	336.57	418.45	206.66	9.33	-0.63	0.009
148.50	-3.51	-0.38	0.00	-0.56	0.00	0.56	669.65	334.83	414.10	204.51	9.40	-0.63	0.008
149.00	-3.48	-0.37	0.00	-0.37	0.00	0.37	666.16	333.08	409.78	202.37	9.46	-0.63	0.007
149.50	-3.45	-0.37	0.00	-0.19	0.00	0.19	662.68	331.34	405.47	200.25	9.53	-0.63	0.006
150.00	0.00	-0.33	0.00	0.00	0.00	0.00	659.19	329.60	401.19	198.13	9.60	-0.63	0.000

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:17 AM

Customer: SPRINT NEXTEL

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

Seismic (Reduced DL) Equivalent Lateral Forces Method

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-27.68	-1.25	0.00	-154.47	0.00	154.47	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.045
0.50	-27.58	-1.25	0.00	-153.84	0.00	153.84	3,152.93	1,576.47	4,795.55	2,368.34	0.00	0.00	0.045
1.00	-27.47	-1.25	0.00	-153.22	0.00	153.22	3,148.69	1,574.34	4,778.83	2,360.09	0.00	0.00	0.045
1.50	-27.37	-1.26	0.00	-152.59	0.00	152.59	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.01	0.045
2.00	-27.27	-1.26	0.00	-151.96	0.00	151.96	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.01	0.045
2.50	-27.16	-1.26	0.00	-151.34	0.00	151.34	3,135.89	1,567.94	4,728.75	2,335.35	0.00	-0.01	0.045
3.00	-27.06	-1.26	0.00	-150.71	0.00	150.71	3,131.60	1,565.80	4,712.08	2,327.12	0.00	-0.01	0.045
3.50	-26.96	-1.26	0.00	-150.08	0.00	150.08	3,127.31	1,563.65	4,695.42	2,318.89	0.00	-0.01	0.045
4.00	-26.85	-1.26	0.00	-149.45	0.00	149.45	3,123.00	1,561.50	4,678.77	2,310.67	0.01	-0.01	0.045
4.50	-26.75	-1.26	0.00	-148.82	0.00	148.82	3,118.68	1,559.34	4,662.14	2,302.45	0.01	-0.02	0.045
5.00	-26.65	-1.26	0.00	-148.19	0.00	148.19	3,114.35	1,557.18	4,645.51	2,294.24	0.01	-0.02	0.045
5.50	-26.55	-1.26	0.00	-147.56	0.00	147.56	3,110.02	1,555.01	4,628.91	2,286.04	0.01	-0.02	0.044
6.00	-26.44	-1.26	0.00	-146.93	0.00	146.93	3,105.67	1,552.83	4,612.31	2,277.85	0.01	-0.02	0.044
6.50	-26.34	-1.26	0.00	-146.30	0.00	146.30	3,101.31	1,550.65	4,595.73	2,269.66	0.02	-0.02	0.044
7.00	-26.24	-1.26	0.00	-145.67	0.00	145.67	3,096.94	1,548.47	4,579.16	2,261.47	0.02	-0.02	0.044
7.50	-26.14	-1.26	0.00	-145.03	0.00	145.03	3,092.56	1,546.28	4,562.60	2,253.30	0.02	-0.03	0.044
8.00	-26.02	-1.27	0.00	-144.40	0.00	144.40	3,088.17	1,544.08	4,546.06	2,245.13	0.02	-0.03	0.044
8.50	-25.91	-1.27	0.00	-143.77	0.00	143.77	3,083.77	1,541.88	4,529.53	2,236.96	0.03	-0.03	0.044
9.00	-25.79	-1.27	0.00	-143.14	0.00	143.14	3,079.36	1,539.68	4,513.01	2,228.81	0.03	-0.03	0.044
9.50	-25.67	-1.27	0.00	-142.50	0.00	142.50	3,074.94	1,537.47	4,496.51	2,220.66	0.03	-0.03	0.044
10.00	-25.56	-1.27	0.00	-141.87	0.00	141.87	3,070.50	1,535.25	4,480.02	2,212.51	0.04	-0.03	0.044
10.50	-25.44	-1.27	0.00	-141.24	0.00	141.24	3,066.06	1,533.03	4,463.54	2,204.38	0.04	-0.04	0.044
11.00	-25.32	-1.27	0.00	-140.60	0.00	140.60	3,061.61	1,530.80	4,447.08	2,196.25	0.04	-0.04	0.043
11.50	-25.21	-1.27	0.00	-139.97	0.00	139.97	3,057.15	1,528.57	4,430.63	2,188.12	0.05	-0.04	0.043
12.00	-25.09	-1.27	0.00	-139.33	0.00	139.33	3,052.67	1,526.34	4,414.20	2,180.01	0.05	-0.04	0.043
12.50	-24.98	-1.27	0.00	-138.70	0.00	138.70	3,048.19	1,524.09	4,397.78	2,171.90	0.06	-0.04	0.043
13.00	-24.86	-1.27	0.00	-138.06	0.00	138.06	3,043.69	1,521.85	4,381.37	2,163.80	0.06	-0.05	0.043
13.50	-24.75	-1.27	0.00	-137.43	0.00	137.43	3,039.19	1,519.59	4,364.98	2,155.70	0.07	-0.05	0.043
14.00	-24.63	-1.27	0.00	-136.79	0.00	136.79	3,034.67	1,517.34	4,348.61	2,147.61	0.07	-0.05	0.043
14.50	-24.52	-1.27	0.00	-136.15	0.00	136.15	3,030.15	1,515.07	4,332.24	2,139.53	0.08	-0.05	0.043
15.00	-24.40	-1.27	0.00	-135.52	0.00	135.52	3,025.61	1,512.81	4,315.90	2,131.46	0.08	-0.05	0.043
15.50	-24.29	-1.27	0.00	-134.88	0.00	134.88	3,021.07	1,510.53	4,299.57	2,123.39	0.09	-0.05	0.043
16.00	-24.18	-1.27	0.00	-134.24	0.00	134.24	3,016.51	1,508.25	4,283.25	2,115.33	0.09	-0.06	0.043
16.50	-24.06	-1.27	0.00	-133.61	0.00	133.61	3,011.94	1,505.97	4,266.95	2,107.28	0.10	-0.06	0.042
17.00	-23.95	-1.28	0.00	-132.97	0.00	132.97	3,007.37	1,503.68	4,250.66	2,099.24	0.11	-0.06	0.042
17.50	-23.83	-1.28	0.00	-132.33	0.00	132.33	3,002.78	1,501.39	4,234.39	2,091.20	0.11	-0.06	0.042
18.00	-23.72	-1.28	0.00	-131.70	0.00	131.70	2,998.18	1,499.09	4,218.13	2,083.18	0.12	-0.06	0.042
18.50	-23.61	-1.28	0.00	-131.06	0.00	131.06	2,993.57	1,496.79	4,201.89	2,075.15	0.13	-0.07	0.042
19.00	-23.49	-1.28	0.00	-130.42	0.00	130.42	2,988.95	1,494.48	4,185.66	2,067.14	0.13	-0.07	0.042
19.50	-23.38	-1.28	0.00	-129.78	0.00	129.78	2,984.32	1,492.16	4,169.45	2,059.13	0.14	-0.07	0.042
20.00	-23.27	-1.28	0.00	-129.14	0.00	129.14	2,979.68	1,489.84	4,153.25	2,051.14	0.15	-0.07	0.042
20.50	-23.15	-1.28	0.00	-128.50	0.00	128.50	2,975.03	1,487.52	4,137.08	2,043.15	0.15	-0.07	0.042
21.00	-23.04	-1.28	0.00	-127.86	0.00	127.86	2,970.37	1,485.19	4,120.91	2,035.16	0.16	-0.07	0.042
21.50	-22.93	-1.28	0.00	-127.23	0.00	127.23	2,965.70	1,482.85	4,104.77	2,027.19	0.17	-0.08	0.042
22.00	-22.81	-1.28	0.00	-126.59	0.00	126.59	2,961.02	1,480.51	4,088.63	2,019.22	0.18	-0.08	0.041
22.50	-22.70	-1.28	0.00	-125.95	0.00	125.95	2,956.33	1,478.16	4,072.52	2,011.26	0.19	-0.08	0.041
23.00	-22.59	-1.28	0.00	-125.31	0.00	125.31	2,951.62	1,475.81	4,056.42	2,003.31	0.19	-0.08	0.041
23.50	-22.48	-1.28	0.00	-124.67	0.00	124.67	2,946.91	1,473.46	4,040.34	1,995.37	0.20	-0.08	0.041
24.00	-22.36	-1.28	0.00	-124.03	0.00	124.03	2,942.19	1,471.09	4,024.27	1,987.44	0.21	-0.08	0.041
24.50	-22.25	-1.28	0.00	-123.39	0.00	123.39	2,937.46	1,468.73	4,008.22	1,979.51	0.22	-0.09	0.041
25.00	-22.14	-1.28	0.00	-122.75	0.00	122.75	2,932.71	1,466.36	3,992.19	1,971.59	0.23	-0.09	0.041
25.50	-22.03	-1.28	0.00	-122.11	0.00	122.11	2,927.96	1,463.98	3,976.18	1,963.68	0.24	-0.09	0.041
26.00	-21.92	-1.28	0.00	-121.47	0.00	121.47	2,923.19	1,461.60	3,960.18	1,955.78	0.25	-0.09	0.041
26.50	-21.81	-1.28	0.00	-120.83	0.00	120.83	2,918.42	1,459.21	3,944.20	1,947.89	0.26	-0.09	0.040
27.00	-21.69	-1.28	0.00	-120.19	0.00	120.19	2,913.63	1,456.82	3,928.23	1,940.01	0.27	-0.10	0.040
27.50	-21.58	-1.28	0.00	-119.55	0.00	119.55	2,910.08	1,455.04	3,913.96	1,932.96	0.28	-0.10	0.040

28.00	-21.47	-1.28	0.00	-118.91	0.00	118.91	2,903.11	1,451.55	3,895.11	1,923.65	0.29	-0.10	0.040
28.50	-21.36	-1.28	0.00	-118.27	0.00	118.27	2,896.13	1,448.07	3,876.32	1,914.37	0.30	-0.10	0.040
29.00	-21.25	-1.28	0.00	-117.63	0.00	117.63	2,889.16	1,444.58	3,857.57	1,905.11	0.31	-0.10	0.040
29.50	-21.14	-1.28	0.00	-116.99	0.00	116.99	2,882.19	1,441.09	3,838.86	1,895.87	0.32	-0.10	0.040
30.00	-21.03	-1.28	0.00	-116.35	0.00	116.35	2,875.21	1,437.61	3,820.20	1,886.65	0.33	-0.11	0.040
30.50	-20.92	-1.28	0.00	-115.72	0.00	115.72	2,868.24	1,434.12	3,801.59	1,877.46	0.34	-0.11	0.040
31.00	-20.81	-1.28	0.00	-115.08	0.00	115.08	2,861.26	1,430.63	3,783.02	1,868.29	0.36	-0.11	0.040
31.50	-20.65	-1.28	0.00	-114.44	0.00	114.44	2,854.29	1,427.15	3,764.50	1,859.14	0.37	-0.11	0.040
32.00	-20.49	-1.28	0.00	-113.80	0.00	113.80	2,847.32	1,423.66	3,746.02	1,850.02	0.38	-0.11	0.039
32.50	-20.33	-1.28	0.00	-113.16	0.00	113.16	2,840.34	1,420.17	3,727.58	1,840.91	0.39	-0.12	0.039
33.00	-20.18	-1.28	0.00	-112.52	0.00	112.52	2,833.37	1,416.69	3,709.20	1,831.83	0.40	-0.12	0.039
33.50	-20.02	-1.27	0.00	-111.88	0.00	111.88	2,826.40	1,413.20	3,690.85	1,822.77	0.42	-0.12	0.039
34.00	-19.86	-1.27	0.00	-111.25	0.00	111.25	2,819.42	1,409.71	3,672.56	1,813.74	0.43	-0.12	0.039
34.50	-19.71	-1.27	0.00	-110.61	0.00	110.61	2,812.45	1,406.22	3,654.31	1,804.72	0.44	-0.12	0.038
35.00	-19.55	-1.27	0.00	-109.97	0.00	109.97	2,805.48	1,402.74	3,636.10	1,795.73	0.45	-0.12	0.038
35.50	-19.50	-1.27	0.00	-109.34	0.00	109.34	2,798.50	1,399.25	3,617.94	1,786.76	0.47	-0.13	0.038
35.67	-19.43	-1.27	0.00	-109.12	0.00	109.12	2,248.07	1,124.03	2,973.91	1,468.70	0.47	-0.13	0.044
36.00	-19.33	-1.27	0.00	-108.70	0.00	108.70	2,245.83	1,122.91	2,966.06	1,464.83	0.48	-0.13	0.044
36.50	-19.30	-1.27	0.00	-108.06	0.00	108.06	2,242.46	1,121.23	2,954.30	1,459.02	0.49	-0.13	0.044
36.67	-19.23	-1.27	0.00	-107.85	0.00	107.85	2,241.31	1,120.65	2,950.31	1,457.05	0.50	-0.13	0.044
36.67	-19.23	-1.27	0.00	-107.85	0.00	107.85	2,241.31	1,120.65	2,950.31	1,457.05	0.50	-0.13	0.047
37.00	-19.14	-1.27	0.00	-107.43	0.00	107.43	2,239.08	1,119.54	2,942.55	1,453.22	0.51	-0.13	0.047
37.50	-19.04	-1.27	0.00	-106.79	0.00	106.79	2,235.69	1,117.84	2,930.81	1,447.42	0.52	-0.13	0.047
38.00	-18.95	-1.27	0.00	-106.16	0.00	106.16	2,232.29	1,116.14	2,919.08	1,441.62	0.54	-0.14	0.047
38.50	-18.85	-1.27	0.00	-105.52	0.00	105.52	2,228.88	1,114.44	2,907.36	1,435.83	0.55	-0.14	0.046
39.00	-18.76	-1.27	0.00	-104.89	0.00	104.89	2,225.46	1,112.73	2,895.64	1,430.05	0.57	-0.14	0.046
39.50	-18.67	-1.27	0.00	-104.25	0.00	104.25	2,222.03	1,111.01	2,883.93	1,424.27	0.58	-0.14	0.046
40.00	-18.57	-1.27	0.00	-103.62	0.00	103.62	2,218.59	1,109.29	2,872.23	1,418.49	0.60	-0.14	0.046
40.50	-18.48	-1.27	0.00	-102.99	0.00	102.99	2,215.14	1,107.57	2,860.55	1,412.72	0.61	-0.15	0.046
41.00	-18.38	-1.27	0.00	-102.35	0.00	102.35	2,211.67	1,105.84	2,848.87	1,406.95	0.63	-0.15	0.046
41.50	-18.29	-1.27	0.00	-101.72	0.00	101.72	2,208.20	1,104.10	2,837.20	1,401.18	0.64	-0.15	0.046
42.00	-18.20	-1.27	0.00	-101.09	0.00	101.09	2,204.72	1,102.36	2,825.53	1,395.42	0.66	-0.15	0.045
42.50	-18.10	-1.27	0.00	-100.45	0.00	100.45	2,201.23	1,100.61	2,813.88	1,389.67	0.67	-0.16	0.045
43.00	-18.01	-1.26	0.00	-99.82	0.00	99.82	2,197.72	1,098.86	2,802.24	1,383.92	0.69	-0.16	0.045
43.50	-17.92	-1.26	0.00	-99.19	0.00	99.19	2,194.21	1,097.10	2,790.61	1,378.18	0.71	-0.16	0.045
44.00	-17.82	-1.26	0.00	-98.56	0.00	98.56	2,190.68	1,095.34	2,778.98	1,372.44	0.72	-0.16	0.045
44.50	-17.73	-1.26	0.00	-97.93	0.00	97.93	2,187.15	1,093.57	2,767.37	1,366.70	0.74	-0.16	0.045
45.00	-17.64	-1.26	0.00	-97.29	0.00	97.29	2,183.60	1,091.80	2,755.77	1,360.97	0.76	-0.17	0.044
45.50	-17.54	-1.26	0.00	-96.66	0.00	96.66	2,180.05	1,090.02	2,744.17	1,355.24	0.78	-0.17	0.044
46.00	-17.45	-1.26	0.00	-96.03	0.00	96.03	2,176.48	1,088.24	2,732.59	1,349.52	0.79	-0.17	0.044
46.50	-17.36	-1.26	0.00	-95.40	0.00	95.40	2,172.91	1,086.45	2,721.02	1,343.81	0.81	-0.17	0.044
47.00	-17.27	-1.26	0.00	-94.77	0.00	94.77	2,169.32	1,084.66	2,709.45	1,338.10	0.83	-0.17	0.044
47.50	-17.17	-1.26	0.00	-94.14	0.00	94.14	2,165.72	1,082.86	2,697.90	1,332.39	0.85	-0.18	0.044
48.00	-17.08	-1.26	0.00	-93.52	0.00	93.52	2,162.11	1,081.06	2,686.36	1,326.69	0.87	-0.18	0.043
48.50	-16.99	-1.26	0.00	-92.89	0.00	92.89	2,158.50	1,079.25	2,674.83	1,321.00	0.88	-0.18	0.043
49.00	-16.90	-1.25	0.00	-92.26	0.00	92.26	2,154.87	1,077.43	2,663.31	1,315.31	0.90	-0.18	0.043
49.50	-16.80	-1.25	0.00	-91.63	0.00	91.63	2,151.23	1,075.61	2,651.80	1,309.62	0.92	-0.18	0.043
50.00	-16.71	-1.25	0.00	-91.01	0.00	91.01	2,147.58	1,073.79	2,640.30	1,303.95	0.94	-0.19	0.043
50.50	-16.62	-1.25	0.00	-90.38	0.00	90.38	2,143.92	1,071.96	2,628.81	1,298.27	0.96	-0.19	0.043
51.00	-16.53	-1.25	0.00	-89.76	0.00	89.76	2,140.25	1,070.13	2,617.34	1,292.60	0.98	-0.19	0.042
51.50	-16.44	-1.25	0.00	-89.13	0.00	89.13	2,136.57	1,068.29	2,605.87	1,286.94	1.00	-0.19	0.042
52.00	-16.35	-1.25	0.00	-88.51	0.00	88.51	2,132.88	1,066.44	2,594.42	1,281.29	1.02	-0.19	0.042
52.50	-16.25	-1.25	0.00	-87.88	0.00	87.88	2,129.18	1,064.59	2,582.98	1,275.64	1.04	-0.20	0.042
53.00	-16.16	-1.24	0.00	-87.26	0.00	87.26	2,125.47	1,062.73	2,571.55	1,269.99	1.06	-0.20	0.042
53.50	-16.07	-1.24	0.00	-86.64	0.00	86.64	2,121.75	1,060.87	2,560.13	1,264.35	1.08	-0.20	0.042
54.00	-15.98	-1.24	0.00	-86.02	0.00	86.02	2,118.01	1,059.01	2,548.72	1,258.72	1.11	-0.20	0.041
54.50	-15.89	-1.24	0.00	-85.40	0.00	85.40	2,114.27	1,057.14	2,537.32	1,253.09	1.13	-0.20	0.041
55.00	-15.80	-1.24	0.00	-84.78	0.00	84.78	2,110.52	1,055.26	2,525.94	1,247.47	1.15	-0.21	0.041
55.50	-15.71	-1.24	0.00	-84.16	0.00	84.16	2,106.75	1,053.38	2,514.57	1,241.85	1.17	-0.21	0.041
56.00	-15.62	-1.24	0.00	-83.54	0.00	83.54	2,102.98	1,051.49	2,503.21	1,236.24	1.19	-0.21	0.041
56.50	-15.53	-1.23	0.00	-82.92	0.00	82.92	2,099.20	1,049.60	2,491.86	1,230.64	1.21	-0.21	0.040
57.00	-15.44	-1.23	0.00	-82.30	0.00	82.30	2,095.40	1,047.70	2,480.53	1,225.04	1.24	-0.22	0.040
57.50	-15.35	-1.23	0.00	-81.69	0.00	81.69	2,091.60	1,045.80	2,469.21	1,219.45	1.26	-0.22	0.040
58.00	-15.26	-1.23	0.00	-81.07	0.00	81.07	2,087.78	1,043.89	2,457.90	1,213.86	1.28	-0.22	0.040

58.50	-15.17	-1.23	0.00	-80.46	0.00	80.46	2,083.96	1,041.98	2,446.60	1,208.28	1.31	-0.22	0.040
59.00	-15.08	-1.23	0.00	-79.84	0.00	79.84	2,080.12	1,040.06	2,435.32	1,202.71	1.33	-0.22	0.040
59.50	-14.99	-1.22	0.00	-79.23	0.00	79.23	2,076.27	1,038.14	2,424.04	1,197.14	1.35	-0.23	0.039
60.00	-14.90	-1.22	0.00	-78.62	0.00	78.62	2,072.41	1,036.21	2,412.79	1,191.58	1.38	-0.23	0.039
60.50	-14.81	-1.22	0.00	-78.01	0.00	78.01	2,068.55	1,034.27	2,401.54	1,186.03	1.40	-0.23	0.039
61.00	-14.72	-1.22	0.00	-77.40	0.00	77.40	2,064.67	1,032.33	2,390.31	1,180.48	1.42	-0.23	0.039
61.50	-14.63	-1.22	0.00	-76.79	0.00	76.79	2,060.78	1,030.39	2,379.09	1,174.94	1.45	-0.23	0.039
62.00	-14.54	-1.21	0.00	-76.18	0.00	76.18	2,056.88	1,028.44	2,367.88	1,169.41	1.47	-0.24	0.038
62.50	-14.45	-1.21	0.00	-75.57	0.00	75.57	2,052.97	1,026.49	2,356.69	1,163.88	1.50	-0.24	0.038
63.00	-14.37	-1.21	0.00	-74.97	0.00	74.97	2,049.05	1,024.53	2,345.51	1,158.36	1.52	-0.24	0.038
63.50	-14.28	-1.21	0.00	-74.36	0.00	74.36	2,045.12	1,022.56	2,334.35	1,152.85	1.55	-0.24	0.038
64.00	-14.19	-1.21	0.00	-73.76	0.00	73.76	2,041.18	1,020.59	2,323.20	1,147.34	1.57	-0.24	0.038
64.50	-14.10	-1.20	0.00	-73.15	0.00	73.15	2,037.23	1,018.62	2,312.06	1,141.84	1.60	-0.25	0.038
65.00	-14.01	-1.20	0.00	-72.55	0.00	72.55	2,033.27	1,016.64	2,300.94	1,136.35	1.62	-0.25	0.037
65.50	-13.92	-1.20	0.00	-71.95	0.00	71.95	2,029.30	1,014.65	2,289.83	1,130.86	1.65	-0.25	0.037
66.00	-13.83	-1.20	0.00	-71.35	0.00	71.35	2,025.32	1,012.66	2,278.74	1,125.38	1.68	-0.25	0.037
66.50	-13.75	-1.20	0.00	-70.75	0.00	70.75	2,021.33	1,010.66	2,267.65	1,119.91	1.70	-0.25	0.037
67.00	-13.66	-1.19	0.00	-70.15	0.00	70.15	2,018.97	1,008.48	2,256.19	1,114.25	1.73	-0.26	0.037
67.50	-13.57	-1.19	0.00	-69.56	0.00	69.56	2,011.16	1,005.58	2,243.13	1,107.80	1.76	-0.26	0.036
68.00	-13.48	-1.19	0.00	-68.96	0.00	68.96	2,005.34	1,002.67	2,230.12	1,101.37	1.78	-0.26	0.036
68.50	-13.40	-1.19	0.00	-68.37	0.00	68.37	1,999.53	999.77	2,217.14	1,094.96	1.81	-0.26	0.036
69.00	-13.31	-1.18	0.00	-67.77	0.00	67.77	1,993.72	996.86	2,204.19	1,088.57	1.84	-0.26	0.036
69.50	-13.22	-1.18	0.00	-67.18	0.00	67.18	1,987.91	993.96	2,191.29	1,082.20	1.87	-0.27	0.036
70.00	-13.10	-1.18	0.00	-66.59	0.00	66.59	1,982.10	991.05	2,178.42	1,075.84	1.90	-0.27	0.036
70.50	-12.98	-1.17	0.00	-66.00	0.00	66.00	1,976.29	988.14	2,165.59	1,069.51	1.92	-0.27	0.035
71.00	-12.86	-1.17	0.00	-65.42	0.00	65.42	1,970.48	985.24	2,152.80	1,063.19	1.95	-0.27	0.035
71.50	-12.74	-1.17	0.00	-64.83	0.00	64.83	1,964.67	982.33	2,140.05	1,056.89	1.98	-0.27	0.035
72.00	-12.63	-1.16	0.00	-64.25	0.00	64.25	1,958.85	979.43	2,127.34	1,050.61	2.01	-0.28	0.034
72.50	-12.51	-1.16	0.00	-63.67	0.00	63.67	1,953.04	976.52	2,114.66	1,044.35	2.04	-0.28	0.034
73.00	-12.43	-1.16	0.00	-63.09	0.00	63.09	1,947.23	973.62	2,102.02	1,038.11	2.07	-0.28	0.034
73.33	-12.39	-1.15	0.00	-62.71	0.00	62.71	1,943.40	971.70	2,093.70	1,034.00	2.09	-0.28	0.034
73.33	-12.39	-1.15	0.00	-62.71	0.00	62.71	1,943.40	971.70	2,093.70	1,034.00	2.09	-0.28	0.037
73.50	-12.32	-1.15	0.00	-62.51	0.00	62.51	1,473.96	736.98	1,624.57	802.32	2.10	-0.28	0.044
74.00	-12.24	-1.15	0.00	-61.94	0.00	61.94	1,471.41	735.71	1,616.97	798.56	2.13	-0.28	0.044
74.50	-12.17	-1.15	0.00	-61.36	0.00	61.36	1,468.85	734.43	1,609.36	794.80	2.16	-0.29	0.044
75.00	-12.10	-1.14	0.00	-60.79	0.00	60.79	1,466.28	733.14	1,601.77	791.05	2.19	-0.29	0.043
75.50	-12.02	-1.14	0.00	-60.22	0.00	60.22	1,463.70	731.85	1,594.18	787.30	2.22	-0.29	0.043
76.00	-11.95	-1.14	0.00	-59.65	0.00	59.65	1,461.11	730.55	1,586.59	783.56	2.25	-0.29	0.043
76.50	-11.88	-1.14	0.00	-59.08	0.00	59.08	1,458.51	729.25	1,579.01	779.81	2.28	-0.30	0.043
77.00	-11.80	-1.13	0.00	-58.51	0.00	58.51	1,455.89	727.95	1,571.44	776.07	2.31	-0.30	0.042
77.50	-11.73	-1.13	0.00	-57.94	0.00	57.94	1,453.27	726.64	1,563.87	772.34	2.34	-0.30	0.042
78.00	-11.66	-1.13	0.00	-57.38	0.00	57.38	1,450.64	725.32	1,556.31	768.60	2.37	-0.30	0.042
78.50	-11.58	-1.13	0.00	-56.81	0.00	56.81	1,447.99	724.00	1,548.75	764.87	2.40	-0.30	0.041
79.00	-11.51	-1.12	0.00	-56.25	0.00	56.25	1,445.34	722.67	1,541.20	761.14	2.44	-0.31	0.041
79.50	-11.44	-1.12	0.00	-55.69	0.00	55.69	1,442.68	721.34	1,533.65	757.41	2.47	-0.31	0.041
80.00	-11.37	-1.12	0.00	-55.13	0.00	55.13	1,440.00	720.00	1,526.12	753.69	2.50	-0.31	0.041
80.50	-11.29	-1.11	0.00	-54.57	0.00	54.57	1,437.32	718.66	1,518.59	749.97	2.53	-0.31	0.040
81.00	-11.22	-1.11	0.00	-54.01	0.00	54.01	1,434.62	717.31	1,511.06	746.26	2.57	-0.32	0.040
81.50	-11.15	-1.11	0.00	-53.45	0.00	53.45	1,431.91	715.96	1,503.54	742.54	2.60	-0.32	0.040
82.00	-11.08	-1.11	0.00	-52.90	0.00	52.90	1,429.20	714.60	1,496.03	738.83	2.63	-0.32	0.040
82.50	-11.00	-1.10	0.00	-52.35	0.00	52.35	1,426.47	713.23	1,488.53	735.13	2.67	-0.32	0.039
83.00	-10.93	-1.10	0.00	-51.80	0.00	51.80	1,423.73	711.87	1,481.03	731.43	2.70	-0.32	0.039
83.50	-10.86	-1.10	0.00	-51.25	0.00	51.25	1,420.98	710.49	1,473.54	727.73	2.73	-0.33	0.039
84.00	-10.79	-1.09	0.00	-50.70	0.00	50.70	1,418.23	709.11	1,466.06	724.03	2.77	-0.33	0.038
84.50	-10.72	-1.09	0.00	-50.15	0.00	50.15	1,415.46	707.73	1,458.58	720.34	2.80	-0.33	0.038
85.00	-10.64	-1.09	0.00	-49.61	0.00	49.61	1,412.68	706.34	1,451.11	716.65	2.84	-0.33	0.038
85.50	-10.57	-1.08	0.00	-49.06	0.00	49.06	1,409.89	704.94	1,443.65	712.97	2.87	-0.33	0.038
86.00	-10.50	-1.08	0.00	-48.52	0.00	48.52	1,407.09	703.54	1,436.20	709.28	2.91	-0.34	0.037
86.50	-10.43	-1.08	0.00	-47.98	0.00	47.98	1,404.28	702.14	1,428.75	705.61	2.94	-0.34	0.037
87.00	-10.36	-1.07	0.00	-47.44	0.00	47.44	1,401.46	700.73	1,421.32	701.93	2.98	-0.34	0.037
87.50	-10.29	-1.07	0.00	-46.90	0.00	46.90	1,398.63	699.31	1,413.89	698.26	3.01	-0.34	0.036
88.00	-10.22	-1.07	0.00	-46.37	0.00	46.37	1,395.79	697.89	1,406.46	694.60	3.05	-0.35	0.036
88.50	-10.14	-1.06	0.00	-45.83	0.00	45.83	1,392.93	696.47	1,399.05	690.94	3.09	-0.35	0.036
89.00	-10.07	-1.06	0.00	-45.30	0.00	45.30	1,390.07	695.04	1,391.64	687.28	3.12	-0.35	0.036

89.50	-10.00	-1.06	0.00	-44.77	0.00	44.77	1,387.20	693.60	1,384.25	683.63	3.16	-0.35	0.035
90.00	-9.93	-1.05	0.00	-44.24	0.00	44.24	1,384.32	692.16	1,376.86	679.98	3.20	-0.35	0.035
90.50	-9.86	-1.05	0.00	-43.72	0.00	43.72	1,381.42	690.71	1,369.48	676.33	3.23	-0.36	0.035
91.00	-9.79	-1.05	0.00	-43.19	0.00	43.19	1,378.52	689.26	1,362.10	672.69	3.27	-0.36	0.034
91.50	-9.72	-1.04	0.00	-42.67	0.00	42.67	1,375.61	687.80	1,354.74	669.06	3.31	-0.36	0.034
92.00	-9.65	-1.04	0.00	-42.15	0.00	42.15	1,372.68	686.34	1,347.39	665.42	3.35	-0.36	0.034
92.50	-9.58	-1.03	0.00	-41.63	0.00	41.63	1,369.75	684.87	1,340.04	661.80	3.39	-0.36	0.033
93.00	-9.51	-1.03	0.00	-41.11	0.00	41.11	1,366.80	683.40	1,332.70	658.17	3.42	-0.37	0.033
93.50	-9.44	-1.03	0.00	-40.60	0.00	40.60	1,363.85	681.92	1,325.38	654.55	3.46	-0.37	0.033
94.00	-9.37	-1.02	0.00	-40.08	0.00	40.08	1,360.88	680.44	1,318.06	650.94	3.50	-0.37	0.033
94.50	-9.30	-1.02	0.00	-39.57	0.00	39.57	1,357.90	678.95	1,310.75	647.33	3.54	-0.37	0.032
95.00	-9.23	-1.01	0.00	-39.06	0.00	39.06	1,354.92	677.46	1,303.45	643.72	3.58	-0.37	0.032
95.50	-9.16	-1.01	0.00	-38.56	0.00	38.56	1,351.92	675.96	1,296.16	640.12	3.62	-0.38	0.032
96.00	-9.09	-1.01	0.00	-38.05	0.00	38.05	1,348.91	674.46	1,288.88	636.53	3.66	-0.38	0.031
96.50	-9.02	-1.00	0.00	-37.55	0.00	37.55	1,345.89	672.95	1,281.61	632.94	3.70	-0.38	0.031
97.00	-8.95	-1.00	0.00	-37.05	0.00	37.05	1,342.86	671.43	1,274.35	629.35	3.74	-0.38	0.031
97.50	-8.88	-0.99	0.00	-36.55	0.00	36.55	1,339.82	669.91	1,267.09	625.77	3.78	-0.38	0.031
98.00	-8.81	-0.99	0.00	-36.05	0.00	36.05	1,336.78	668.39	1,259.85	622.19	3.82	-0.39	0.030
98.50	-8.74	-0.99	0.00	-35.55	0.00	35.55	1,333.72	666.86	1,252.62	618.62	3.86	-0.39	0.030
99.00	-8.67	-0.98	0.00	-35.06	0.00	35.06	1,330.65	665.32	1,245.40	615.06	3.90	-0.39	0.030
99.50	-8.60	-0.98	0.00	-34.57	0.00	34.57	1,327.57	663.78	1,238.19	611.50	3.94	-0.39	0.029
100.00	-8.53	-0.97	0.00	-34.08	0.00	34.08	1,324.47	662.24	1,230.99	607.94	3.98	-0.39	0.029
100.50	-8.47	-0.97	0.00	-33.60	0.00	33.60	1,321.37	660.69	1,223.80	604.39	4.02	-0.40	0.029
101.00	-8.40	-0.96	0.00	-33.11	0.00	33.11	1,318.26	659.13	1,216.62	600.84	4.06	-0.40	0.028
101.50	-8.33	-0.96	0.00	-32.63	0.00	32.63	1,315.14	657.57	1,209.45	597.30	4.11	-0.40	0.028
102.00	-8.26	-0.95	0.00	-32.15	0.00	32.15	1,312.01	656.00	1,202.30	593.77	4.15	-0.40	0.028
102.50	-8.19	-0.95	0.00	-31.67	0.00	31.67	1,308.86	654.43	1,195.15	590.24	4.19	-0.40	0.028
103.00	-8.12	-0.95	0.00	-31.20	0.00	31.20	1,305.71	652.86	1,188.02	586.72	4.23	-0.40	0.027
103.50	-8.05	-0.94	0.00	-30.73	0.00	30.73	1,302.55	651.27	1,180.89	583.20	4.28	-0.41	0.027
104.00	-7.99	-0.94	0.00	-30.26	0.00	30.26	1,299.37	649.69	1,173.78	579.69	4.32	-0.41	0.027
104.50	-7.92	-0.93	0.00	-29.79	0.00	29.79	1,296.19	648.09	1,166.68	576.18	4.36	-0.41	0.026
105.00	-7.85	-0.93	0.00	-29.32	0.00	29.32	1,292.99	646.50	1,159.59	572.68	4.40	-0.41	0.026
105.50	-7.78	-0.92	0.00	-28.86	0.00	28.86	1,289.88	644.99	1,151.78	568.82	4.45	-0.41	0.026
106.00	-7.71	-0.92	0.00	-28.40	0.00	28.40	1,286.33	642.16	1,143.44	564.70	4.49	-0.42	0.025
106.50	-7.65	-0.91	0.00	-27.94	0.00	27.94	1,279.68	639.84	1,135.13	560.60	4.53	-0.42	0.025
107.00	-7.58	-0.91	0.00	-27.49	0.00	27.49	1,275.03	637.51	1,126.85	556.51	4.58	-0.42	0.025
107.50	-7.51	-0.90	0.00	-27.03	0.00	27.03	1,270.38	635.19	1,118.60	552.44	4.62	-0.42	0.025
108.00	-7.44	-0.90	0.00	-26.58	0.00	26.58	1,265.73	632.87	1,110.38	548.38	4.67	-0.42	0.024
108.50	-7.38	-0.89	0.00	-26.14	0.00	26.14	1,261.08	630.54	1,102.19	544.33	4.71	-0.42	0.024
109.00	-7.31	-0.89	0.00	-25.69	0.00	25.69	1,256.43	628.22	1,094.04	540.30	4.76	-0.43	0.024
109.50	-7.24	-0.88	0.00	-25.25	0.00	25.25	1,251.78	625.89	1,085.91	536.29	4.80	-0.43	0.024
110.00	-7.19	-0.88	0.00	-24.81	0.00	24.81	1,247.14	623.57	1,077.81	532.29	4.84	-0.43	0.023
110.00	-7.19	-0.88	0.00	-24.81	0.00	24.81	853.24	426.62	741.79	366.34	4.84	-0.43	0.000
110.50	-7.13	-0.87	0.00	-24.37	0.00	24.37	851.46	425.73	737.46	364.21	4.89	-0.43	0.032
111.00	-7.08	-0.87	0.00	-23.93	0.00	23.93	849.67	424.84	733.15	362.07	4.94	-0.43	0.032
111.50	-7.02	-0.86	0.00	-23.50	0.00	23.50	847.87	423.94	728.83	359.94	4.98	-0.43	0.032
112.00	-6.97	-0.86	0.00	-23.07	0.00	23.07	846.07	423.03	724.52	357.81	5.03	-0.44	0.031
112.50	-6.91	-0.85	0.00	-22.64	0.00	22.64	844.25	422.12	720.21	355.68	5.07	-0.44	0.031
113.00	-6.86	-0.85	0.00	-22.21	0.00	22.21	842.42	421.21	715.90	353.56	5.12	-0.44	0.030
113.50	-6.80	-0.84	0.00	-21.79	0.00	21.79	840.58	420.29	711.60	351.43	5.16	-0.44	0.030
114.00	-6.75	-0.84	0.00	-21.37	0.00	21.37	838.73	419.36	707.30	349.31	5.21	-0.44	0.029
114.50	-6.69	-0.84	0.00	-20.95	0.00	20.95	836.87	418.43	703.00	347.19	5.26	-0.45	0.029
115.00	-6.64	-0.83	0.00	-20.53	0.00	20.53	834.99	417.50	698.71	345.06	5.30	-0.45	0.028
115.50	-6.58	-0.83	0.00	-20.11	0.00	20.11	833.11	416.56	694.42	342.95	5.35	-0.45	0.028
116.00	-6.53	-0.82	0.00	-19.70	0.00	19.70	831.22	415.61	690.13	340.83	5.40	-0.45	0.028
116.50	-6.49	-0.82	0.00	-19.29	0.00	19.29	829.32	414.66	685.85	338.71	5.45	-0.45	0.027
116.50	-6.49	-0.82	0.00	-19.29	0.00	19.29	829.32	414.66	685.85	338.71	5.45	-0.45	0.065
117.00	-6.46	-0.82	0.00	-18.88	0.00	18.88	827.41	413.70	681.57	336.60	5.49	-0.46	0.064
117.50	-6.43	-0.81	0.00	-18.47	0.00	18.47	825.48	412.74	677.29	334.49	5.54	-0.46	0.063
118.00	-6.40	-0.81	0.00	-18.06	0.00	18.06	823.55	411.77	673.02	332.38	5.59	-0.46	0.062
118.50	-6.36	-0.81	0.00	-17.66	0.00	17.66	821.61	410.80	668.75	330.27	5.64	-0.47	0.061
119.00	-6.33	-0.81	0.00	-17.25	0.00	17.25	819.65	409.83	664.49	328.17	5.69	-0.47	0.060
119.50	-6.30	-0.80	0.00	-16.85	0.00	16.85	817.69	408.84	660.23	326.06	5.74	-0.48	0.059
120.00	-6.27	-0.80	0.00	-16.45	0.00	16.45	815.71	407.86	655.98	323.96	5.79	-0.48	0.058

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:17 AM

Customer: SPRINT NEXTEL

120.50	-6.24	-0.80	0.00	-16.05	0.00	16.05	813.73	406.86	651.73	321.87	5.84	-0.49	0.058
121.00	-6.20	-0.80	0.00	-15.65	0.00	15.65	811.73	405.86	647.49	319.77	5.89	-0.49	0.057
121.50	-6.17	-0.79	0.00	-15.25	0.00	15.25	809.72	404.86	643.25	317.88	5.94	-0.49	0.056
122.00	-6.14	-0.79	0.00	-14.86	0.00	14.86	807.71	403.85	639.01	315.58	5.99	-0.50	0.055
122.50	-6.11	-0.79	0.00	-14.46	0.00	14.46	805.68	402.84	634.78	313.49	6.05	-0.50	0.054
123.00	-6.08	-0.78	0.00	-14.07	0.00	14.07	803.64	401.82	630.56	311.41	6.10	-0.50	0.053
123.50	-6.05	-0.78	0.00	-13.67	0.00	13.67	801.59	400.80	626.34	309.32	6.15	-0.51	0.052
124.00	-6.01	-0.78	0.00	-13.28	0.00	13.28	799.54	399.77	622.12	307.24	6.20	-0.51	0.051
124.50	-5.98	-0.78	0.00	-12.89	0.00	12.89	797.47	398.73	617.91	305.16	6.26	-0.52	0.050
125.00	-5.95	-0.77	0.00	-12.51	0.00	12.51	795.39	397.69	613.71	303.09	6.31	-0.52	0.049
125.50	-5.92	-0.77	0.00	-12.12	0.00	12.12	793.30	396.65	609.51	301.01	6.37	-0.52	0.048
126.00	-5.89	-0.77	0.00	-11.73	0.00	11.73	791.20	395.60	605.32	298.94	6.42	-0.53	0.047
126.50	-5.86	-0.76	0.00	-11.35	0.00	11.35	789.09	394.54	601.13	296.88	6.48	-0.53	0.046
127.00	-5.83	-0.76	0.00	-10.97	0.00	10.97	786.97	393.48	596.95	294.81	6.53	-0.53	0.045
127.50	-5.80	-0.76	0.00	-10.59	0.00	10.59	784.84	392.42	592.78	292.75	6.59	-0.54	0.044
128.00	-5.76	-0.75	0.00	-10.21	0.00	10.21	782.69	391.35	588.61	290.69	6.65	-0.54	0.042
128.50	-5.73	-0.75	0.00	-9.83	0.00	9.83	780.54	390.27	584.44	288.64	6.70	-0.54	0.041
129.00	-5.70	-0.75	0.00	-9.46	0.00	9.46	778.38	389.19	580.29	286.58	6.76	-0.54	0.040
129.50	-5.67	-0.75	0.00	-9.08	0.00	9.08	776.21	388.10	576.14	284.53	6.82	-0.55	0.039
130.00	-5.64	-0.74	0.00	-8.71	0.00	8.71	774.02	387.01	572.00	282.49	6.87	-0.55	0.038
130.50	-5.61	-0.74	0.00	-8.34	0.00	8.34	771.83	385.91	567.86	280.44	6.93	-0.55	0.037
131.00	-3.35	-0.48	0.00	-7.97	0.00	7.97	769.63	384.81	563.73	278.40	6.99	-0.56	0.033
131.50	-3.33	-0.48	0.00	-7.73	0.00	7.73	767.41	383.71	559.60	276.37	7.05	-0.56	0.032
132.00	-3.30	-0.47	0.00	-7.49	0.00	7.49	765.19	382.59	555.49	274.33	7.11	-0.56	0.032
132.50	-3.28	-0.47	0.00	-7.25	0.00	7.25	762.95	381.48	551.38	272.31	7.17	-0.56	0.031
133.00	-3.25	-0.47	0.00	-7.02	0.00	7.02	760.71	380.35	547.28	270.28	7.22	-0.57	0.030
133.50	-3.22	-0.46	0.00	-6.78	0.00	6.78	758.45	379.23	543.18	268.26	7.28	-0.57	0.030
134.00	-3.20	-0.46	0.00	-6.55	0.00	6.55	756.18	378.09	539.09	266.24	7.34	-0.57	0.029
134.50	-3.17	-0.46	0.00	-6.32	0.00	6.32	753.91	376.95	535.01	264.22	7.40	-0.57	0.028
135.00	-3.14	-0.46	0.00	-6.09	0.00	6.09	751.62	375.81	530.94	262.21	7.46	-0.57	0.027
135.50	-3.12	-0.45	0.00	-5.86	0.00	5.86	749.32	374.66	526.87	260.20	7.52	-0.58	0.027
136.00	-3.09	-0.45	0.00	-5.64	0.00	5.64	747.01	373.51	522.82	258.20	7.58	-0.58	0.026
136.50	-3.07	-0.45	0.00	-5.41	0.00	5.41	744.70	372.35	518.77	256.20	7.65	-0.58	0.025
137.00	-3.04	-0.44	0.00	-5.19	0.00	5.19	742.37	371.18	514.72	254.20	7.71	-0.58	0.025
137.50	-3.02	-0.44	0.00	-4.97	0.00	4.97	740.03	370.01	510.69	252.21	7.77	-0.59	0.024
138.00	-2.99	-0.44	0.00	-4.75	0.00	4.75	737.68	368.84	506.66	250.22	7.83	-0.59	0.023
138.50	-2.96	-0.43	0.00	-4.53	0.00	4.53	735.32	367.66	502.65	248.24	7.89	-0.59	0.022
139.00	-2.94	-0.43	0.00	-4.31	0.00	4.31	732.95	366.47	498.64	246.26	7.95	-0.59	0.022
139.50	-2.91	-0.43	0.00	-4.10	0.00	4.10	730.57	365.28	494.64	244.28	8.01	-0.59	0.021
140.00	-2.89	-0.42	0.00	-3.88	0.00	3.88	728.18	364.09	490.64	242.31	8.08	-0.59	0.020
140.50	-2.86	-0.42	0.00	-3.67	0.00	3.67	725.44	362.72	486.44	240.23	8.14	-0.60	0.019
141.00	-2.78	-0.41	0.00	-3.46	0.00	3.46	721.95	360.98	481.74	237.92	8.20	-0.60	0.018
141.50	-2.76	-0.41	0.00	-3.26	0.00	3.26	718.47	359.23	477.08	235.61	8.26	-0.60	0.018
142.00	-2.74	-0.40	0.00	-3.05	0.00	3.05	714.98	357.49	472.43	233.32	8.33	-0.60	0.017
142.50	-2.71	-0.40	0.00	-2.85	0.00	2.85	711.49	355.75	467.81	231.03	8.39	-0.60	0.016
143.00	-2.69	-0.40	0.00	-2.65	0.00	2.65	708.01	354.00	463.21	228.76	8.45	-0.60	0.015
143.50	-2.67	-0.40	0.00	-2.45	0.00	2.45	704.52	352.26	458.63	226.50	8.52	-0.60	0.015
144.00	-2.65	-0.39	0.00	-2.25	0.00	2.25	701.03	350.52	454.07	224.25	8.58	-0.60	0.014
144.50	-2.62	-0.39	0.00	-2.06	0.00	2.06	697.55	348.77	449.54	222.01	8.64	-0.61	0.013
145.00	-2.60	-0.39	0.00	-1.86	0.00	1.86	694.06	347.03	445.03	219.78	8.71	-0.61	0.012
145.50	-2.58	-0.38	0.00	-1.67	0.00	1.67	690.57	345.29	440.55	217.57	8.77	-0.61	0.011
146.00	-2.56	-0.38	0.00	-1.48	0.00	1.48	687.09	343.54	436.08	215.36	8.83	-0.61	0.011
146.50	-2.53	-0.38	0.00	-1.29	0.00	1.29	683.60	341.80	431.64	213.17	8.90	-0.61	0.010
147.00	-2.51	-0.37	0.00	-1.10	0.00	1.10	680.11	340.06	427.22	210.99	8.96	-0.61	0.009
147.50	-2.49	-0.37	0.00	-0.91	0.00	0.91	676.63	338.31	422.83	208.82	9.02	-0.61	0.008
148.00	-2.47	-0.37	0.00	-0.73	0.00	0.73	673.14	336.57	418.45	206.66	9.09	-0.61	0.007
148.50	-2.45	-0.36	0.00	-0.54	0.00	0.54	669.65	334.83	414.10	204.51	9.15	-0.61	0.006
149.00	-2.42	-0.36	0.00	-0.36	0.00	0.36	666.16	333.08	409.78	202.37	9.22	-0.61	0.005
149.50	-2.40	-0.36	0.00	-0.18	0.00	0.18	662.68	331.34	405.47	200.25	9.28	-0.61	0.005
150.00	0.00	-0.33	0.00	0.00	0.00	0.00	659.19	329.60	401.19	198.13	9.34	-0.61	0.000

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:17 AM

Customer: SPRINT NEXTEL

269	132.75	31	1.480	0.454	0.520	0.128	3	38
268	132.25	31	1.469	0.428	0.507	0.123	3	38
267	131.75	31	1.458	0.403	0.494	0.118	3	38
266	131.25	31	1.447	0.379	0.482	0.113	3	38
265	130.75	35	1.436	0.356	0.470	0.108	3	44
264	130.25	36	1.425	0.333	0.458	0.103	3	44
263	129.75	36	1.414	0.311	0.447	0.098	3	44
262	129.25	36	1.403	0.290	0.435	0.093	3	44
261	128.75	36	1.392	0.270	0.424	0.089	3	44
260	128.25	36	1.382	0.250	0.413	0.084	3	44
259	127.75	36	1.371	0.231	0.402	0.080	2	44
258	127.25	36	1.360	0.213	0.392	0.075	2	45
257	126.75	36	1.350	0.195	0.382	0.071	2	45
256	126.25	36	1.339	0.178	0.372	0.067	2	45
255	125.75	36	1.328	0.162	0.362	0.063	2	45
254	125.25	36	1.318	0.146	0.352	0.059	2	45
253	124.75	36	1.307	0.131	0.343	0.055	2	45
252	124.25	36	1.297	0.116	0.333	0.051	2	45
251	123.75	37	1.286	0.102	0.324	0.047	1	45
250	123.25	37	1.276	0.089	0.315	0.043	1	45
249	122.75	37	1.266	0.076	0.307	0.039	1	45
248	122.25	37	1.255	0.063	0.298	0.036	1	46
247	121.75	37	1.245	0.052	0.290	0.032	1	46
246	121.25	37	1.235	0.040	0.282	0.029	1	46
245	120.75	37	1.225	0.029	0.274	0.025	1	46
244	120.25	37	1.215	0.019	0.266	0.022	1	46
243	119.75	37	1.205	0.009	0.258	0.019	1	46
242	119.25	37	1.195	0.000	0.251	0.015	0	46
241	118.75	37	1.185	-0.009	0.243	0.012	0	46
240	118.25	37	1.175	-0.018	0.236	0.009	0	46
239	117.75	38	1.165	-0.026	0.229	0.006	0	46
238	117.25	38	1.155	-0.034	0.222	0.003	0	47
237	116.75	38	1.145	-0.041	0.216	0.001	0	47
236	116.25	63	1.135	-0.048	0.209	-0.002	0	78
235	115.75	63	1.125	-0.054	0.203	-0.005	0	78
234	115.25	63	1.116	-0.061	0.197	-0.007	0	79
233	114.75	64	1.106	-0.066	0.191	-0.010	-1	79
232	114.25	64	1.096	-0.072	0.185	-0.012	-1	79
231	113.75	64	1.087	-0.077	0.179	-0.015	-1	79
230	113.25	64	1.077	-0.082	0.173	-0.017	-1	79
229	112.75	64	1.068	-0.086	0.168	-0.019	-1	79
228	112.25	64	1.058	-0.090	0.162	-0.022	-1	79
227	111.75	64	1.049	-0.094	0.157	-0.024	-1	79
226	111.25	64	1.040	-0.098	0.152	-0.026	-1	79
225	110.75	64	1.030	-0.101	0.147	-0.028	-2	79
224	110.25	64	1.021	-0.104	0.142	-0.029	-2	80
223	109.75	78	1.012	-0.107	0.137	-0.031	-2	96
222	109.25	78	1.003	-0.109	0.133	-0.033	-2	97
221	108.75	78	0.993	-0.111	0.128	-0.034	-2	97
220	108.25	78	0.984	-0.113	0.124	-0.036	-2	97
219	107.75	78	0.975	-0.115	0.119	-0.038	-3	97
218	107.25	78	0.966	-0.117	0.115	-0.039	-3	97
217	106.75	79	0.957	-0.118	0.111	-0.040	-3	97
216	106.25	79	0.948	-0.119	0.107	-0.042	-3	97
215	105.75	79	0.939	-0.120	0.103	-0.043	-3	97
214	105.25	79	0.931	-0.121	0.100	-0.044	-3	98
213	104.75	79	0.922	-0.121	0.096	-0.045	-3	98
212	104.25	79	0.913	-0.122	0.092	-0.046	-3	98
211	103.75	79	0.904	-0.122	0.089	-0.047	-3	98
210	103.25	79	0.895	-0.122	0.086	-0.047	-3	98
209	102.75	79	0.887	-0.122	0.082	-0.048	-3	98
208	102.25	80	0.878	-0.121	0.079	-0.049	-3	98
207	101.75	80	0.870	-0.121	0.076	-0.049	-3	99
206	101.25	80	0.861	-0.120	0.073	-0.050	-3	99

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:17 AM

Customer: SPRINT NEXTEL

205	100.75	80	0.853	-0.119	0.070	-0.050	-3	99
204	100.25	80	0.844	-0.119	0.067	-0.051	-4	99
203	99.75	80	0.836	-0.118	0.065	-0.051	-4	99
202	99.25	80	0.827	-0.116	0.062	-0.051	-4	99
201	98.75	80	0.819	-0.115	0.059	-0.051	-4	99
200	98.25	80	0.811	-0.114	0.057	-0.051	-4	99
199	97.75	80	0.803	-0.112	0.055	-0.051	-4	100
198	97.25	81	0.794	-0.111	0.052	-0.051	-4	100
197	96.75	81	0.786	-0.109	0.050	-0.051	-4	100
196	96.25	81	0.778	-0.108	0.048	-0.051	-4	100
195	95.75	81	0.770	-0.106	0.046	-0.050	-4	100
194	95.25	81	0.762	-0.104	0.044	-0.050	-4	100
193	94.75	81	0.754	-0.102	0.042	-0.049	-3	100
192	94.25	81	0.746	-0.100	0.040	-0.049	-3	101
191	93.75	81	0.738	-0.098	0.038	-0.048	-3	101
190	93.25	81	0.730	-0.096	0.036	-0.048	-3	101
189	92.75	82	0.723	-0.094	0.034	-0.047	-3	101
188	92.25	82	0.715	-0.091	0.033	-0.046	-3	101
187	91.75	82	0.707	-0.089	0.031	-0.045	-3	101
186	91.25	82	0.699	-0.087	0.030	-0.044	-3	101
185	90.75	82	0.692	-0.084	0.028	-0.043	-3	101
184	90.25	82	0.684	-0.082	0.027	-0.042	-3	102
183	89.75	82	0.677	-0.080	0.026	-0.041	-3	102
182	89.25	82	0.669	-0.077	0.024	-0.040	-3	102
181	88.75	82	0.662	-0.075	0.023	-0.038	-3	102
180	88.25	83	0.654	-0.072	0.022	-0.037	-3	102
179	87.75	83	0.647	-0.070	0.021	-0.036	-3	102
178	87.25	83	0.639	-0.067	0.020	-0.034	-2	102
177	86.75	83	0.632	-0.064	0.019	-0.033	-2	103
176	86.25	83	0.625	-0.062	0.018	-0.031	-2	103
175	85.75	83	0.618	-0.059	0.017	-0.029	-2	103
174	85.25	83	0.610	-0.057	0.016	-0.028	-2	103
173	84.75	83	0.603	-0.054	0.015	-0.026	-2	103
172	84.25	83	0.596	-0.052	0.014	-0.024	-2	103
171	83.75	84	0.589	-0.049	0.013	-0.023	-2	103
170	83.25	84	0.582	-0.046	0.013	-0.021	-2	103
169	82.75	84	0.575	-0.044	0.012	-0.019	-1	104
168	82.25	84	0.568	-0.041	0.011	-0.017	-1	104
167	81.75	84	0.561	-0.039	0.011	-0.015	-1	104
166	81.25	84	0.555	-0.036	0.010	-0.014	-1	104
165	80.75	84	0.548	-0.034	0.010	-0.012	-1	104
164	80.25	84	0.541	-0.031	0.009	-0.010	-1	104
163	79.75	84	0.534	-0.029	0.009	-0.008	-1	104
162	79.25	84	0.528	-0.026	0.008	-0.006	0	105
161	78.75	85	0.521	-0.024	0.008	-0.004	0	105
160	78.25	85	0.514	-0.021	0.008	-0.002	0	105
159	77.75	85	0.508	-0.019	0.007	0.000	0	105
158	77.25	85	0.501	-0.017	0.007	0.002	0	105
157	76.75	85	0.495	-0.014	0.007	0.004	0	105
156	76.25	85	0.488	-0.012	0.007	0.006	0	105
155	75.75	85	0.482	-0.010	0.006	0.007	1	105
154	75.25	85	0.476	-0.007	0.006	0.009	1	106
153	74.75	85	0.469	-0.005	0.006	0.011	1	106
152	74.25	86	0.463	-0.003	0.006	0.013	1	106
151	73.75	86	0.457	-0.001	0.006	0.015	1	106
150	73.41	44	0.453	0.001	0.006	0.016	1	55
149	73.17	90	0.450	0.002	0.006	0.017	1	112
148	72.75	137	0.445	0.003	0.006	0.018	2	170
147	72.25	137	0.438	0.006	0.006	0.020	2	170
146	71.75	138	0.432	0.008	0.006	0.021	3	170
145	71.25	138	0.426	0.010	0.006	0.023	3	171
144	70.75	138	0.420	0.012	0.006	0.025	3	171
143	70.25	138	0.415	0.013	0.006	0.026	3	171
142	69.75	101	0.409	0.015	0.006	0.027	2	125

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

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:17 AM

Customer: SPRINT NEXTEL

77	37.25	110	0.117	0.070	0.035	0.052	5	136
76	36.83	73	0.114	0.070	0.035	0.052	3	90
75	36.58	40	0.112	0.070	0.035	0.052	2	49
74	36.25	117	0.110	0.070	0.036	0.052	5	144
73	35.83	78	0.108	0.071	0.036	0.052	3	96
72	35.58	60	0.106	0.071	0.036	0.052	3	75
71	35.25	182	0.104	0.071	0.037	0.052	8	225
70	34.75	182	0.101	0.071	0.037	0.052	8	225
69	34.25	182	0.099	0.071	0.037	0.051	8	225
68	33.75	182	0.096	0.071	0.038	0.051	8	226
67	33.25	183	0.093	0.071	0.038	0.051	8	226
66	32.75	183	0.090	0.071	0.038	0.051	8	226
65	32.25	183	0.087	0.071	0.039	0.051	8	227
64	31.75	184	0.085	0.071	0.039	0.051	8	227
63	31.25	128	0.082	0.072	0.039	0.051	6	158
62	30.75	128	0.079	0.072	0.040	0.051	6	158
61	30.25	128	0.077	0.072	0.040	0.050	6	158
60	29.75	128	0.074	0.072	0.040	0.050	6	159
59	29.25	128	0.072	0.072	0.040	0.050	6	159
58	28.75	129	0.069	0.072	0.041	0.050	6	159
57	28.25	129	0.067	0.072	0.041	0.050	6	159
56	27.75	129	0.065	0.072	0.041	0.050	6	159
55	27.25	129	0.062	0.072	0.041	0.050	6	160
54	26.75	129	0.060	0.072	0.041	0.049	6	160
53	26.25	129	0.058	0.072	0.041	0.049	6	160
52	25.75	129	0.056	0.071	0.042	0.049	6	160
51	25.25	130	0.054	0.071	0.042	0.049	6	160
50	24.75	130	0.051	0.071	0.042	0.049	6	161
49	24.25	130	0.049	0.071	0.042	0.049	5	161
48	23.75	130	0.047	0.071	0.042	0.049	5	161
47	23.25	130	0.045	0.071	0.042	0.048	5	161
46	22.75	130	0.043	0.071	0.042	0.048	5	161
45	22.25	131	0.042	0.070	0.042	0.048	5	162
44	21.75	131	0.040	0.070	0.042	0.048	5	162
43	21.25	131	0.038	0.070	0.041	0.048	5	162
42	20.75	131	0.036	0.070	0.041	0.048	5	162
41	20.25	131	0.034	0.069	0.041	0.047	5	162
40	19.75	131	0.033	0.069	0.041	0.047	5	163
39	19.25	132	0.031	0.068	0.041	0.047	5	163
38	18.75	132	0.030	0.068	0.040	0.047	5	163
37	18.25	132	0.028	0.068	0.040	0.046	5	163
36	17.75	132	0.026	0.067	0.040	0.046	5	163
35	17.25	132	0.025	0.066	0.039	0.046	5	164
34	16.75	132	0.024	0.066	0.039	0.045	5	164
33	16.25	133	0.022	0.065	0.039	0.045	5	164
32	15.75	133	0.021	0.065	0.038	0.045	5	164
31	15.25	133	0.020	0.064	0.038	0.044	5	164
30	14.75	133	0.018	0.063	0.037	0.044	5	165
29	14.25	133	0.017	0.062	0.037	0.043	5	165
28	13.75	133	0.016	0.061	0.036	0.043	5	165
27	13.25	134	0.015	0.060	0.035	0.042	5	165
26	12.75	134	0.014	0.059	0.035	0.042	5	165
25	12.25	134	0.013	0.058	0.034	0.041	5	166
24	11.75	134	0.012	0.057	0.033	0.041	5	166
23	11.25	134	0.011	0.056	0.032	0.040	5	166
22	10.75	134	0.010	0.054	0.031	0.039	5	166
21	10.25	134	0.009	0.053	0.031	0.039	4	166
20	9.75	135	0.008	0.052	0.030	0.038	4	167
19	9.25	135	0.007	0.050	0.029	0.037	4	167
18	8.75	135	0.006	0.048	0.028	0.036	4	167
17	8.25	135	0.006	0.047	0.026	0.035	4	167
16	7.75	118	0.005	0.045	0.025	0.034	3	146
15	7.25	118	0.004	0.043	0.024	0.033	3	146
14	6.75	118	0.004	0.041	0.023	0.031	3	147

13	6.25	119	0.003	0.039	0.022	0.030	3	147
12	5.75	119	0.003	0.036	0.020	0.029	3	147
11	5.25	119	0.002	0.034	0.019	0.027	3	147
10	4.75	119	0.002	0.031	0.017	0.025	3	147
9	4.25	119	0.002	0.029	0.016	0.023	2	148
8	3.75	119	0.001	0.026	0.014	0.021	2	148
7	3.25	120	0.001	0.023	0.012	0.019	2	148
6	2.75	120	0.001	0.020	0.011	0.017	2	148
5	2.25	120	0.000	0.017	0.009	0.015	2	148
4	1.75	120	0.000	0.013	0.007	0.012	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
LGP Allgon LGP21903	150.00	33	1.890	1.980	1.140	0.355	10	41
Raycap DC6-48-60-18-	150.00	32	1.890	1.980	1.140	0.355	10	39
Decibel DB910CE-M	150.00	16	1.890	1.980	1.140	0.355	5	20
Powerwave LGP17201	150.00	186	1.890	1.980	1.140	0.355	57	230
Ericsson RRUS 11 (Ba	150.00	165	1.890	1.980	1.140	0.355	51	204
Powerwave Allgon 777	150.00	210	1.890	1.980	1.140	0.355	65	260
KMW AM-X-CD-16-65-00	150.00	97	1.890	1.980	1.140	0.355	30	120
Powerwave P65-17-XLH	150.00	50	1.890	1.980	1.140	0.355	15	62
Round Platform w/ Ha	150.00	2,000	1.890	1.980	1.140	0.355	615	2,475
RFS APXV18-206517LS-	141.00	66	1.670	1.012	0.769	0.224	13	82
Alcatel-Lucent RRH2x	131.00	317	1.442	0.367	0.476	0.110	30	393
Alcatel-Lucent 1900	131.00	180	1.442	0.367	0.476	0.110	17	223
Decibel DB844H90E-XY	131.00	126	1.442	0.367	0.476	0.110	12	156
Alcatel-Lucent TD-RR	131.00	210	1.442	0.367	0.476	0.110	20	260
KMW ETCR-654L12H6	131.00	255	1.442	0.367	0.476	0.110	24	315
Round Low Profile PI	131.00	1,500	1.442	0.367	0.476	0.110	143	1,856
		32,217	217.000	65.174	62.112	17.946	1,861	39,870

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	25	1.884	1.947	1.128	0.351	8	22
302	149.25	25	1.871	1.882	1.105	0.343	8	22
301	148.75	26	1.859	1.819	1.081	0.335	7	22
300	148.25	26	1.846	1.757	1.059	0.327	7	22
299	147.75	26	1.834	1.696	1.036	0.320	7	22
298	147.25	26	1.821	1.637	1.014	0.312	7	22
297	146.75	26	1.809	1.580	0.993	0.305	7	22
296	146.25	26	1.797	1.523	0.972	0.297	7	22
295	145.75	26	1.784	1.469	0.951	0.290	7	22
294	145.25	26	1.772	1.415	0.930	0.283	6	23
293	144.75	26	1.760	1.363	0.910	0.276	6	23
292	144.25	26	1.748	1.312	0.890	0.268	6	23
291	143.75	26	1.736	1.263	0.871	0.261	6	23
290	143.25	26	1.724	1.214	0.851	0.255	6	23
289	142.75	27	1.712	1.167	0.833	0.248	6	23
288	142.25	27	1.700	1.121	0.814	0.241	6	23
287	141.75	27	1.688	1.077	0.796	0.234	5	23
286	141.25	27	1.676	1.033	0.778	0.228	5	23
285	140.75	29	1.664	0.991	0.761	0.221	6	25
284	140.25	29	1.652	0.950	0.743	0.215	5	25
283	139.75	29	1.641	0.909	0.726	0.208	5	25
282	139.25	30	1.629	0.870	0.710	0.202	5	25
281	138.75	30	1.617	0.832	0.694	0.196	5	26
280	138.25	30	1.605	0.796	0.678	0.190	5	26

279	137.75	30	1.594	0.760	0.662	0.184	5	26
278	137.25	30	1.582	0.725	0.646	0.178	5	26
277	136.75	30	1.571	0.691	0.631	0.172	4	26
276	136.25	30	1.559	0.658	0.616	0.166	4	26
275	135.75	30	1.548	0.626	0.602	0.161	4	26
274	135.25	30	1.537	0.595	0.587	0.155	4	26
273	134.75	30	1.525	0.565	0.573	0.149	4	26
272	134.25	30	1.514	0.536	0.560	0.144	4	26
271	133.75	30	1.503	0.508	0.546	0.139	4	26
270	133.25	31	1.491	0.480	0.533	0.133	4	26
269	132.75	31	1.480	0.454	0.520	0.128	3	26
268	132.25	31	1.469	0.428	0.507	0.123	3	26
267	131.75	31	1.458	0.403	0.494	0.118	3	27
266	131.25	31	1.447	0.379	0.482	0.113	3	27
265	130.75	35	1.436	0.356	0.470	0.108	3	31
264	130.25	36	1.425	0.333	0.458	0.103	3	31
263	129.75	36	1.414	0.311	0.447	0.098	3	31
262	129.25	36	1.403	0.290	0.435	0.093	3	31
261	128.75	36	1.392	0.270	0.424	0.089	3	31
260	128.25	36	1.382	0.250	0.413	0.084	3	31
259	127.75	36	1.371	0.231	0.402	0.080	2	31
258	127.25	36	1.360	0.213	0.392	0.075	2	31
257	126.75	36	1.350	0.195	0.382	0.071	2	31
256	126.25	36	1.339	0.178	0.372	0.067	2	31
255	125.75	36	1.328	0.162	0.362	0.063	2	31
254	125.25	36	1.318	0.146	0.352	0.059	2	31
253	124.75	36	1.307	0.131	0.343	0.055	2	31
252	124.25	36	1.297	0.116	0.333	0.051	2	31
251	123.75	37	1.286	0.102	0.324	0.047	1	32
250	123.25	37	1.276	0.089	0.315	0.043	1	32
249	122.75	37	1.266	0.076	0.307	0.039	1	32
248	122.25	37	1.255	0.063	0.298	0.036	1	32
247	121.75	37	1.245	0.052	0.290	0.032	1	32
246	121.25	37	1.235	0.040	0.282	0.029	1	32
245	120.75	37	1.225	0.029	0.274	0.025	1	32
244	120.25	37	1.215	0.019	0.266	0.022	1	32
243	119.75	37	1.205	0.009	0.258	0.019	1	32
242	119.25	37	1.195	0.000	0.251	0.015	0	32
241	118.75	37	1.185	-0.009	0.243	0.012	0	32
240	118.25	37	1.175	-0.018	0.236	0.009	0	32
239	117.75	38	1.165	-0.026	0.229	0.006	0	32
238	117.25	38	1.155	-0.034	0.222	0.003	0	32
237	116.75	38	1.145	-0.041	0.216	0.001	0	33
236	116.25	63	1.135	-0.048	0.209	-0.002	0	55
235	115.75	63	1.125	-0.054	0.203	-0.005	0	55
234	115.25	63	1.116	-0.061	0.197	-0.007	0	55
233	114.75	64	1.106	-0.066	0.191	-0.010	-1	55
232	114.25	64	1.096	-0.072	0.185	-0.012	-1	55
231	113.75	64	1.087	-0.077	0.179	-0.015	-1	55
230	113.25	64	1.077	-0.082	0.173	-0.017	-1	55
229	112.75	64	1.068	-0.086	0.168	-0.019	-1	55
228	112.25	64	1.058	-0.090	0.162	-0.022	-1	55
227	111.75	64	1.049	-0.094	0.157	-0.024	-1	55
226	111.25	64	1.040	-0.098	0.152	-0.026	-1	55
225	110.75	64	1.030	-0.101	0.147	-0.028	-2	55
224	110.25	64	1.021	-0.104	0.142	-0.029	-2	55
223	109.75	78	1.012	-0.107	0.137	-0.031	-2	67
222	109.25	78	1.003	-0.109	0.133	-0.033	-2	67
221	108.75	78	0.993	-0.111	0.128	-0.034	-2	67
220	108.25	78	0.984	-0.113	0.124	-0.036	-2	67
219	107.75	78	0.975	-0.115	0.119	-0.038	-3	68
218	107.25	78	0.966	-0.117	0.115	-0.039	-3	68
217	106.75	79	0.957	-0.118	0.111	-0.040	-3	68
216	106.25	79	0.948	-0.119	0.107	-0.042	-3	68

215	105.75	79	0.939	-0.120	0.103	-0.043	-3	68
214	105.25	79	0.931	-0.121	0.100	-0.044	-3	68
213	104.75	79	0.922	-0.121	0.096	-0.045	-3	68
212	104.25	79	0.913	-0.122	0.092	-0.046	-3	68
211	103.75	79	0.904	-0.122	0.089	-0.047	-3	68
210	103.25	79	0.895	-0.122	0.086	-0.047	-3	68
209	102.75	79	0.887	-0.122	0.082	-0.048	-3	69
208	102.25	80	0.878	-0.121	0.079	-0.049	-3	69
207	101.75	80	0.870	-0.121	0.076	-0.049	-3	69
206	101.25	80	0.861	-0.120	0.073	-0.050	-3	69
205	100.75	80	0.853	-0.119	0.070	-0.050	-3	69
204	100.25	80	0.844	-0.119	0.067	-0.051	-4	69
203	99.75	80	0.836	-0.118	0.065	-0.051	-4	69
202	99.25	80	0.827	-0.116	0.062	-0.051	-4	69
201	98.75	80	0.819	-0.115	0.059	-0.051	-4	69
200	98.25	80	0.811	-0.114	0.057	-0.051	-4	69
199	97.75	80	0.803	-0.112	0.055	-0.051	-4	69
198	97.25	81	0.794	-0.111	0.052	-0.051	-4	70
197	96.75	81	0.786	-0.109	0.050	-0.051	-4	70
196	96.25	81	0.778	-0.108	0.048	-0.051	-4	70
195	95.75	81	0.770	-0.106	0.046	-0.050	-4	70
194	95.25	81	0.762	-0.104	0.044	-0.050	-4	70
193	94.75	81	0.754	-0.102	0.042	-0.049	-3	70
192	94.25	81	0.746	-0.100	0.040	-0.049	-3	70
191	93.75	81	0.738	-0.098	0.038	-0.048	-3	70
190	93.25	81	0.730	-0.096	0.036	-0.048	-3	70
189	92.75	82	0.723	-0.094	0.034	-0.047	-3	70
188	92.25	82	0.715	-0.091	0.033	-0.046	-3	70
187	91.75	82	0.707	-0.089	0.031	-0.045	-3	71
186	91.25	82	0.699	-0.087	0.030	-0.044	-3	71
185	90.75	82	0.692	-0.084	0.028	-0.043	-3	71
184	90.25	82	0.684	-0.082	0.027	-0.042	-3	71
183	89.75	82	0.677	-0.080	0.026	-0.041	-3	71
182	89.25	82	0.669	-0.077	0.024	-0.040	-3	71
181	88.75	82	0.662	-0.075	0.023	-0.038	-3	71
180	88.25	83	0.654	-0.072	0.022	-0.037	-3	71
179	87.75	83	0.647	-0.070	0.021	-0.036	-3	71
178	87.25	83	0.639	-0.067	0.020	-0.034	-2	71
177	86.75	83	0.632	-0.064	0.019	-0.033	-2	71
176	86.25	83	0.625	-0.062	0.018	-0.031	-2	72
175	85.75	83	0.618	-0.059	0.017	-0.029	-2	72
174	85.25	83	0.610	-0.057	0.016	-0.028	-2	72
173	84.75	83	0.603	-0.054	0.015	-0.026	-2	72
172	84.25	83	0.596	-0.052	0.014	-0.024	-2	72
171	83.75	84	0.589	-0.049	0.013	-0.023	-2	72
170	83.25	84	0.582	-0.046	0.013	-0.021	-2	72
169	82.75	84	0.575	-0.044	0.012	-0.019	-1	72
168	82.25	84	0.568	-0.041	0.011	-0.017	-1	72
167	81.75	84	0.561	-0.039	0.011	-0.015	-1	72
166	81.25	84	0.555	-0.036	0.010	-0.014	-1	72
165	80.75	84	0.548	-0.034	0.010	-0.012	-1	73
164	80.25	84	0.541	-0.031	0.009	-0.010	-1	73
163	79.75	84	0.534	-0.029	0.009	-0.008	-1	73
162	79.25	84	0.528	-0.026	0.008	-0.006	0	73
161	78.75	85	0.521	-0.024	0.008	-0.004	0	73
160	78.25	85	0.514	-0.021	0.008	-0.002	0	73
159	77.75	85	0.508	-0.019	0.007	0.000	0	73
158	77.25	85	0.501	-0.017	0.007	0.002	0	73
157	76.75	85	0.495	-0.014	0.007	0.004	0	73
156	76.25	85	0.488	-0.012	0.007	0.006	0	73
155	75.75	85	0.482	-0.010	0.006	0.007	1	73
154	75.25	85	0.476	-0.007	0.006	0.009	1	74
153	74.75	85	0.469	-0.005	0.006	0.011	1	74
152	74.25	86	0.463	-0.003	0.006	0.013	1	74

151	73.75	86	0.457	-0.001	0.006	0.015	1	74
150	73.41	44	0.453	0.001	0.006	0.016	1	38
149	73.17	90	0.450	0.002	0.006	0.017	1	78
148	72.75	137	0.445	0.003	0.006	0.018	2	118
147	72.25	137	0.438	0.006	0.006	0.020	2	119
146	71.75	138	0.432	0.008	0.006	0.021	3	119
145	71.25	138	0.428	0.010	0.006	0.023	3	119
144	70.75	138	0.420	0.012	0.006	0.025	3	119
143	70.25	138	0.415	0.013	0.006	0.026	3	119
142	69.75	101	0.409	0.015	0.006	0.027	2	87
141	69.25	101	0.403	0.017	0.006	0.029	3	87
140	68.75	101	0.397	0.019	0.007	0.030	3	88
139	68.25	102	0.391	0.021	0.007	0.032	3	88
138	67.75	102	0.386	0.023	0.007	0.033	3	88
137	67.25	102	0.380	0.024	0.007	0.034	3	88
136	66.75	102	0.374	0.026	0.007	0.035	3	88
135	66.25	102	0.369	0.028	0.008	0.037	3	88
134	65.75	102	0.363	0.029	0.008	0.038	3	88
133	65.25	102	0.358	0.031	0.008	0.039	3	88
132	64.75	103	0.352	0.032	0.009	0.040	4	88
131	64.25	103	0.347	0.034	0.009	0.041	4	89
130	63.75	103	0.341	0.035	0.009	0.042	4	89
129	63.25	103	0.336	0.037	0.010	0.043	4	89
128	62.75	103	0.331	0.038	0.010	0.043	4	89
127	62.25	103	0.326	0.039	0.010	0.044	4	89
126	61.75	103	0.320	0.040	0.011	0.045	4	89
125	61.25	103	0.315	0.042	0.011	0.046	4	89
124	60.75	104	0.310	0.043	0.011	0.046	4	89
123	60.25	104	0.305	0.044	0.012	0.047	4	89
122	59.75	104	0.300	0.045	0.012	0.048	4	90
121	59.25	104	0.295	0.046	0.013	0.048	4	90
120	58.75	104	0.290	0.048	0.013	0.049	4	90
119	58.25	104	0.285	0.049	0.014	0.049	4	90
118	57.75	104	0.280	0.050	0.014	0.050	5	90
117	57.25	105	0.275	0.051	0.014	0.050	5	90
116	56.75	105	0.271	0.051	0.015	0.051	5	90
115	56.25	105	0.266	0.052	0.015	0.051	5	90
114	55.75	105	0.261	0.053	0.016	0.051	5	91
113	55.25	105	0.256	0.054	0.016	0.052	5	91
112	54.75	105	0.252	0.055	0.017	0.052	5	91
111	54.25	105	0.247	0.056	0.017	0.052	5	91
110	53.75	105	0.243	0.057	0.018	0.052	5	91
109	53.25	106	0.238	0.057	0.018	0.053	5	91
108	52.75	106	0.234	0.058	0.019	0.053	5	91
107	52.25	106	0.229	0.059	0.020	0.053	5	91
106	51.75	106	0.225	0.059	0.020	0.053	5	91
105	51.25	106	0.221	0.060	0.021	0.053	5	92
104	50.75	106	0.216	0.061	0.021	0.053	5	92
103	50.25	106	0.212	0.061	0.022	0.054	5	92
102	49.75	107	0.208	0.062	0.022	0.054	5	92
101	49.25	107	0.204	0.062	0.023	0.054	5	92
100	48.75	107	0.200	0.063	0.023	0.054	5	92
99	48.25	107	0.196	0.063	0.024	0.054	5	92
98	47.75	107	0.192	0.064	0.024	0.054	5	92
97	47.25	107	0.188	0.064	0.025	0.054	5	92
96	46.75	107	0.184	0.065	0.025	0.054	5	93
95	46.25	108	0.180	0.065	0.026	0.054	5	93
94	45.75	108	0.176	0.066	0.026	0.054	5	93
93	45.25	108	0.172	0.066	0.027	0.054	5	93
92	44.75	108	0.168	0.066	0.028	0.054	5	93
91	44.25	108	0.164	0.067	0.028	0.054	5	93
90	43.75	108	0.161	0.067	0.029	0.053	5	93
89	43.25	108	0.157	0.067	0.029	0.053	5	93
88	42.75	108	0.154	0.068	0.030	0.053	5	94

Site Number: 302494

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Site Name: Hddm - Haddam, CT

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87	42.25	109	0.150	0.068	0.030	0.053	5	94
86	41.75	109	0.146	0.068	0.031	0.053	5	94
85	41.25	109	0.143	0.068	0.031	0.053	5	94
84	40.75	109	0.139	0.069	0.032	0.053	5	94
83	40.25	109	0.136	0.069	0.032	0.053	5	94
82	39.75	109	0.133	0.069	0.033	0.053	5	94
81	39.25	109	0.129	0.069	0.033	0.053	5	94
80	38.75	110	0.126	0.070	0.034	0.052	5	94
79	38.25	110	0.123	0.070	0.034	0.052	5	95
78	37.75	110	0.120	0.070	0.034	0.052	5	95
77	37.25	110	0.117	0.070	0.035	0.052	5	95
76	36.83	73	0.114	0.070	0.035	0.052	3	63
75	36.58	40	0.112	0.070	0.035	0.052	2	34
74	36.25	117	0.110	0.070	0.036	0.052	5	101
73	35.83	78	0.108	0.071	0.036	0.052	3	67
72	35.58	60	0.106	0.071	0.036	0.052	3	52
71	35.25	182	0.104	0.071	0.037	0.052	8	157
70	34.75	182	0.101	0.071	0.037	0.052	8	157
69	34.25	182	0.099	0.071	0.037	0.051	8	157
68	33.75	182	0.096	0.071	0.038	0.051	8	157
67	33.25	183	0.093	0.071	0.038	0.051	8	158
66	32.75	183	0.090	0.071	0.038	0.051	8	158
65	32.25	183	0.087	0.071	0.039	0.051	8	158
64	31.75	184	0.085	0.071	0.039	0.051	8	158
63	31.25	128	0.082	0.072	0.039	0.051	6	110
62	30.75	128	0.079	0.072	0.040	0.051	6	110
61	30.25	128	0.077	0.072	0.040	0.050	6	110
60	29.75	128	0.074	0.072	0.040	0.050	6	111
59	29.25	128	0.072	0.072	0.040	0.050	6	111
58	28.75	129	0.069	0.072	0.041	0.050	6	111
57	28.25	129	0.067	0.072	0.041	0.050	6	111
56	27.75	129	0.065	0.072	0.041	0.050	6	111
55	27.25	129	0.062	0.072	0.041	0.050	6	111
54	26.75	129	0.060	0.072	0.041	0.049	6	111
53	26.25	129	0.058	0.072	0.041	0.049	6	112
52	25.75	129	0.056	0.071	0.042	0.049	6	112
51	25.25	130	0.054	0.071	0.042	0.049	6	112
50	24.75	130	0.051	0.071	0.042	0.049	6	112
49	24.25	130	0.049	0.071	0.042	0.049	5	112
48	23.75	130	0.047	0.071	0.042	0.049	5	112
47	23.25	130	0.045	0.071	0.042	0.048	5	112
46	22.75	130	0.043	0.071	0.042	0.048	5	113
45	22.25	131	0.042	0.070	0.042	0.048	5	113
44	21.75	131	0.040	0.070	0.042	0.048	5	113
43	21.25	131	0.038	0.070	0.041	0.048	5	113
42	20.75	131	0.036	0.070	0.041	0.048	5	113
41	20.25	131	0.034	0.069	0.041	0.047	5	113
40	19.75	131	0.033	0.069	0.041	0.047	5	113
39	19.25	132	0.031	0.068	0.041	0.047	5	113
38	18.75	132	0.030	0.068	0.040	0.047	5	114
37	18.25	132	0.028	0.068	0.040	0.046	5	114
36	17.75	132	0.026	0.067	0.040	0.046	5	114
35	17.25	132	0.025	0.066	0.039	0.046	5	114
34	16.75	132	0.024	0.066	0.039	0.045	5	114
33	16.25	133	0.022	0.065	0.039	0.045	5	114
32	15.75	133	0.021	0.065	0.038	0.045	5	114
31	15.25	133	0.020	0.064	0.038	0.044	5	115
30	14.75	133	0.018	0.063	0.037	0.044	5	115
29	14.25	133	0.017	0.062	0.037	0.043	5	115
28	13.75	133	0.016	0.061	0.036	0.043	5	115
27	13.25	134	0.015	0.060	0.035	0.042	5	115
26	12.75	134	0.014	0.059	0.035	0.042	5	115
25	12.25	134	0.013	0.058	0.034	0.041	5	115
24	11.75	134	0.012	0.057	0.033	0.041	5	116

Site Number: 302494

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

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Customer: SPRINT NEXTEL

23	11.25	134	0.011	0.056	0.032	0.040	5	116
22	10.75	134	0.010	0.054	0.031	0.039	5	116
21	10.25	134	0.009	0.053	0.031	0.039	4	116
20	9.75	135	0.008	0.052	0.030	0.038	4	116
19	9.25	135	0.007	0.050	0.029	0.037	4	116
18	8.75	135	0.006	0.048	0.028	0.036	4	116
17	8.25	135	0.006	0.047	0.026	0.035	4	117
16	7.75	118	0.005	0.045	0.025	0.034	3	102
15	7.25	118	0.004	0.043	0.024	0.033	3	102
14	6.75	118	0.004	0.041	0.023	0.031	3	102
13	6.25	119	0.003	0.039	0.022	0.030	3	102
12	5.75	119	0.003	0.036	0.020	0.029	3	102
11	5.25	119	0.002	0.034	0.019	0.027	3	103
10	4.75	119	0.002	0.031	0.017	0.025	3	103
9	4.25	119	0.002	0.029	0.016	0.023	2	103
8	3.75	119	0.001	0.026	0.014	0.021	2	103
7	3.25	120	0.001	0.023	0.012	0.019	2	103
6	2.75	120	0.001	0.020	0.011	0.017	2	103
5	2.25	120	0.000	0.017	0.009	0.015	2	103
4	1.75	120	0.000	0.013	0.007	0.012	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
LGP Allgon LGP21903	150.00	33	1.890	1.980	1.140	0.355	10	28
Raycap DC6-48-60-18-	150.00	32	1.890	1.980	1.140	0.355	10	27
Decibel DB910CE-M	150.00	16	1.890	1.980	1.140	0.355	5	14
Powerwave LGP17201	150.00	186	1.890	1.980	1.140	0.355	57	160
Ericsson RRUS 11 (Ba	150.00	165	1.890	1.980	1.140	0.355	51	142
Powerwave Allgon 777	150.00	210	1.890	1.980	1.140	0.355	65	181
KMW AM-X-CD-16-65-00	150.00	97	1.890	1.980	1.140	0.355	30	84
Powerwave P65-17-XLH	150.00	50	1.890	1.980	1.140	0.355	15	43
Round Platform w/ Ha	150.00	2,000	1.890	1.980	1.140	0.355	615	1,725
RFS APXV18-206517LS-	141.00	66	1.670	1.012	0.769	0.224	13	57
Alcatel-Lucent RRH2x	131.00	317	1.442	0.367	0.476	0.110	30	274
Alcatel-Lucent 1900	131.00	180	1.442	0.367	0.476	0.110	17	155
Decibel DB844H90E-XY	131.00	126	1.442	0.367	0.476	0.110	12	109
Alcatel-Lucent TD-RR	131.00	210	1.442	0.367	0.476	0.110	20	181
KMW ETCR-654L12H6	131.00	255	1.442	0.367	0.476	0.110	24	220
Round Low Profile PI	131.00	1,500	1.442	0.367	0.476	0.110	143	1,294
		32,217	217.000	65.174	62.112	17.946	1,861	27,786

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	-39.72	-1.86	0.00	-218.89	0.00	218.89	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.064
0.50	-39.57	-1.86	0.00	-217.96	0.00	217.96	3,152.93	1,576.47	4,795.55	2,368.34	0.00	0.00	0.064
1.00	-39.42	-1.86	0.00	-217.03	0.00	217.03	3,148.69	1,574.34	4,778.83	2,360.09	0.00	0.00	0.064
1.50	-39.27	-1.86	0.00	-216.10	0.00	216.10	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.01	0.064
2.00	-39.13	-1.86	0.00	-215.17	0.00	215.17	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.01	0.064
2.50	-38.98	-1.86	0.00	-214.24	0.00	214.24	3,135.89	1,567.94	4,728.75	2,335.35	0.00	-0.01	0.064
3.00	-38.83	-1.86	0.00	-213.31	0.00	213.31	3,131.60	1,565.80	4,712.08	2,327.12	0.00	-0.01	0.064
3.50	-38.68	-1.86	0.00	-212.38	0.00	212.38	3,127.31	1,563.65	4,695.42	2,318.89	0.01	-0.02	0.063
4.00	-38.53	-1.86	0.00	-211.45	0.00	211.45	3,123.00	1,561.50	4,678.77	2,310.67	0.01	-0.02	0.063
4.50	-38.39	-1.86	0.00	-210.52	0.00	210.52	3,118.68	1,559.34	4,662.14	2,302.45	0.01	-0.02	0.063
5.00	-38.24	-1.86	0.00	-209.59	0.00	209.59	3,114.35	1,557.18	4,645.51	2,294.24	0.01	-0.02	0.063
5.50	-38.09	-1.85	0.00	-208.66	0.00	208.66	3,110.02	1,555.01	4,628.91	2,286.04	0.02	-0.03	0.063
6.00	-37.95	-1.85	0.00	-207.74	0.00	207.74	3,105.67	1,552.83	4,612.31	2,277.85	0.02	-0.03	0.063
6.50	-37.80	-1.85	0.00	-206.81	0.00	206.81	3,101.31	1,550.65	4,595.73	2,269.66	0.02	-0.03	0.063
7.00	-37.65	-1.85	0.00	-205.88	0.00	205.88	3,096.94	1,548.47	4,579.16	2,261.47	0.03	-0.03	0.063
7.50	-37.51	-1.85	0.00	-204.96	0.00	204.96	3,092.56	1,546.28	4,562.60	2,253.30	0.03	-0.04	0.062
8.00	-37.34	-1.84	0.00	-204.04	0.00	204.04	3,088.17	1,544.08	4,546.06	2,245.13	0.03	-0.04	0.062
8.50	-37.17	-1.84	0.00	-203.11	0.00	203.11	3,083.77	1,541.88	4,529.53	2,236.96	0.04	-0.04	0.062
9.00	-37.00	-1.84	0.00	-202.19	0.00	202.19	3,079.36	1,539.68	4,513.01	2,228.81	0.04	-0.04	0.062
9.50	-36.84	-1.84	0.00	-201.27	0.00	201.27	3,074.94	1,537.47	4,496.51	2,220.66	0.05	-0.05	0.062
10.00	-36.67	-1.83	0.00	-200.35	0.00	200.35	3,070.50	1,535.25	4,480.02	2,212.51	0.05	-0.05	0.062
10.50	-36.50	-1.83	0.00	-199.44	0.00	199.44	3,066.06	1,533.03	4,463.54	2,204.38	0.06	-0.05	0.062
11.00	-36.34	-1.83	0.00	-198.52	0.00	198.52	3,061.61	1,530.80	4,447.08	2,196.25	0.06	-0.05	0.062
11.50	-36.17	-1.82	0.00	-197.61	0.00	197.61	3,057.15	1,528.57	4,430.63	2,188.12	0.07	-0.06	0.061
12.00	-36.01	-1.82	0.00	-196.70	0.00	196.70	3,052.67	1,526.34	4,414.20	2,180.01	0.07	-0.06	0.061
12.50	-35.84	-1.82	0.00	-195.79	0.00	195.79	3,048.19	1,524.09	4,397.78	2,171.90	0.08	-0.06	0.061
13.00	-35.68	-1.81	0.00	-194.88	0.00	194.88	3,043.69	1,521.85	4,381.37	2,163.80	0.09	-0.06	0.061
13.50	-35.51	-1.81	0.00	-193.97	0.00	193.97	3,039.19	1,519.59	4,364.98	2,155.70	0.09	-0.07	0.061
14.00	-35.35	-1.81	0.00	-193.07	0.00	193.07	3,034.67	1,517.34	4,348.61	2,147.61	0.10	-0.07	0.061
14.50	-35.18	-1.80	0.00	-192.16	0.00	192.16	3,030.15	1,515.07	4,332.24	2,139.53	0.11	-0.07	0.061
15.00	-35.02	-1.80	0.00	-191.26	0.00	191.26	3,025.61	1,512.81	4,315.90	2,131.46	0.12	-0.07	0.060
15.50	-34.85	-1.79	0.00	-190.36	0.00	190.36	3,021.07	1,510.53	4,299.57	2,123.39	0.12	-0.08	0.060
16.00	-34.69	-1.79	0.00	-189.47	0.00	189.47	3,016.51	1,508.25	4,283.25	2,115.33	0.13	-0.08	0.060
16.50	-34.52	-1.79	0.00	-188.57	0.00	188.57	3,011.94	1,505.97	4,266.95	2,107.28	0.14	-0.08	0.060
17.00	-34.36	-1.78	0.00	-187.68	0.00	187.68	3,007.37	1,503.68	4,250.66	2,099.24	0.15	-0.08	0.060
17.50	-34.20	-1.78	0.00	-186.79	0.00	186.79	3,002.78	1,501.39	4,234.39	2,091.20	0.16	-0.09	0.060
18.00	-34.03	-1.78	0.00	-185.90	0.00	185.90	2,998.18	1,499.09	4,218.13	2,083.18	0.17	-0.09	0.060
18.50	-33.87	-1.77	0.00	-185.01	0.00	185.01	2,993.57	1,496.79	4,201.89	2,075.15	0.18	-0.09	0.060
19.00	-33.71	-1.77	0.00	-184.12	0.00	184.12	2,988.95	1,494.48	4,185.66	2,067.14	0.19	-0.09	0.059
19.50	-33.55	-1.76	0.00	-183.24	0.00	183.24	2,984.32	1,492.16	4,169.45	2,059.13	0.20	-0.10	0.059
20.00	-33.38	-1.76	0.00	-182.36	0.00	182.36	2,979.68	1,489.84	4,153.25	2,051.14	0.21	-0.10	0.059
20.50	-33.22	-1.75	0.00	-181.48	0.00	181.48	2,975.03	1,487.52	4,137.08	2,043.15	0.22	-0.10	0.059
21.00	-33.06	-1.75	0.00	-180.60	0.00	180.60	2,970.37	1,485.19	4,120.91	2,035.16	0.23	-0.10	0.059
21.50	-32.90	-1.75	0.00	-179.73	0.00	179.73	2,965.70	1,482.85	4,104.77	2,027.19	0.24	-0.11	0.059
22.00	-32.73	-1.74	0.00	-178.85	0.00	178.85	2,961.02	1,480.51	4,088.63	2,019.22	0.25	-0.11	0.059
22.50	-32.57	-1.74	0.00	-177.98	0.00	177.98	2,956.33	1,478.16	4,072.52	2,011.26	0.26	-0.11	0.058
23.00	-32.41	-1.73	0.00	-177.11	0.00	177.11	2,951.62	1,475.81	4,056.42	2,003.31	0.28	-0.11	0.058
23.50	-32.25	-1.73	0.00	-176.25	0.00	176.25	2,946.91	1,473.46	4,040.34	1,995.37	0.29	-0.12	0.058
24.00	-32.09	-1.72	0.00	-175.38	0.00	175.38	2,942.19	1,471.09	4,024.27	1,987.44	0.30	-0.12	0.058
24.50	-31.93	-1.72	0.00	-174.52	0.00	174.52	2,937.46	1,468.73	4,008.22	1,979.51	0.31	-0.12	0.058
25.00	-31.77	-1.72	0.00	-173.66	0.00	173.66	2,932.71	1,466.36	3,992.19	1,971.59	0.33	-0.13	0.058
25.50	-31.61	-1.71	0.00	-172.80	0.00	172.80	2,927.96	1,463.98	3,976.18	1,963.68	0.34	-0.13	0.058
26.00	-31.45	-1.71	0.00	-171.95	0.00	171.95	2,923.19	1,461.60	3,960.18	1,955.78	0.35	-0.13	0.058
26.50	-31.29	-1.70	0.00	-171.10	0.00	171.10	2,918.42	1,459.21	3,944.20	1,947.89	0.37	-0.13	0.057
27.00	-31.13	-1.70	0.00	-170.25	0.00	170.25	2,913.63	1,456.82	3,928.23	1,940.01	0.38	-0.14	0.057
27.50	-30.97	-1.69	0.00	-169.40	0.00	169.40	2,910.08	1,455.04	3,913.96	1,932.96	0.39	-0.14	0.057

28.00	-30.81	-1.69	0.00	-168.55	0.00	168.55	2,903.11	1,451.55	3,895.11	1,923.65	0.41	-0.14	0.057
28.50	-30.65	-1.68	0.00	-167.71	0.00	167.71	2,896.13	1,448.07	3,876.32	1,914.37	0.42	-0.14	0.057
29.00	-30.49	-1.68	0.00	-166.86	0.00	166.86	2,889.16	1,444.58	3,857.57	1,905.11	0.44	-0.15	0.057
29.50	-30.33	-1.67	0.00	-166.03	0.00	166.03	2,882.19	1,441.09	3,838.86	1,895.87	0.45	-0.15	0.057
30.00	-30.17	-1.67	0.00	-165.19	0.00	165.19	2,875.21	1,437.61	3,820.20	1,886.65	0.47	-0.15	0.057
30.50	-30.02	-1.67	0.00	-164.35	0.00	164.35	2,868.24	1,434.12	3,801.59	1,877.46	0.49	-0.15	0.057
31.00	-29.86	-1.66	0.00	-163.52	0.00	163.52	2,861.26	1,430.63	3,783.02	1,868.29	0.50	-0.16	0.056
31.50	-29.63	-1.65	0.00	-162.69	0.00	162.69	2,854.29	1,427.15	3,764.50	1,859.14	0.52	-0.16	0.056
32.00	-29.40	-1.65	0.00	-161.86	0.00	161.86	2,847.32	1,423.66	3,746.02	1,850.02	0.54	-0.16	0.055
32.50	-29.18	-1.64	0.00	-161.04	0.00	161.04	2,840.34	1,420.17	3,727.58	1,840.91	0.55	-0.16	0.055
33.00	-28.95	-1.63	0.00	-160.22	0.00	160.22	2,833.37	1,416.69	3,709.20	1,831.83	0.57	-0.17	0.055
33.50	-28.73	-1.62	0.00	-159.41	0.00	159.41	2,826.40	1,413.20	3,690.85	1,822.77	0.59	-0.17	0.055
34.00	-28.50	-1.62	0.00	-158.60	0.00	158.60	2,819.42	1,409.71	3,672.56	1,813.74	0.61	-0.17	0.055
34.50	-28.28	-1.61	0.00	-157.79	0.00	157.79	2,812.45	1,406.22	3,654.31	1,804.72	0.62	-0.17	0.055
35.00	-28.05	-1.60	0.00	-156.98	0.00	156.98	2,805.48	1,402.74	3,636.10	1,795.73	0.64	-0.18	0.055
35.50	-27.98	-1.60	0.00	-156.18	0.00	156.18	2,798.50	1,399.25	3,617.94	1,786.76	0.66	-0.18	0.055
35.67	-27.88	-1.60	0.00	-155.92	0.00	155.92	2,248.07	1,124.03	2,973.91	1,468.70	0.67	-0.18	0.063
36.00	-27.73	-1.59	0.00	-155.38	0.00	155.38	2,245.83	1,122.91	2,966.06	1,464.83	0.68	-0.18	0.063
36.50	-27.69	-1.59	0.00	-154.59	0.00	154.59	2,242.46	1,121.23	2,954.30	1,459.02	0.70	-0.18	0.063
36.67	-27.60	-1.59	0.00	-154.32	0.00	154.32	2,241.31	1,120.65	2,950.31	1,457.05	0.71	-0.19	0.063
36.67	-27.60	-1.59	0.00	-154.32	0.00	154.32	2,241.31	1,120.65	2,950.31	1,457.05	0.71	-0.19	0.067
37.00	-27.46	-1.58	0.00	-153.80	0.00	153.80	2,239.08	1,119.54	2,942.55	1,453.22	0.72	-0.19	0.067
37.50	-27.32	-1.58	0.00	-153.00	0.00	153.00	2,235.69	1,117.84	2,930.81	1,447.42	0.74	-0.19	0.067
38.00	-27.19	-1.57	0.00	-152.21	0.00	152.21	2,232.29	1,116.14	2,919.08	1,441.62	0.76	-0.19	0.067
38.50	-27.05	-1.57	0.00	-151.43	0.00	151.43	2,228.88	1,114.44	2,907.36	1,435.83	0.78	-0.20	0.067
39.00	-26.92	-1.57	0.00	-150.64	0.00	150.64	2,225.46	1,112.73	2,895.64	1,430.05	0.80	-0.20	0.067
39.50	-26.78	-1.56	0.00	-149.86	0.00	149.86	2,222.03	1,111.01	2,883.93	1,424.27	0.82	-0.20	0.066
40.00	-26.65	-1.56	0.00	-149.08	0.00	149.08	2,218.59	1,109.29	2,872.23	1,418.49	0.84	-0.21	0.066
40.50	-26.51	-1.55	0.00	-148.30	0.00	148.30	2,215.14	1,107.57	2,860.55	1,412.72	0.86	-0.21	0.066
41.00	-26.38	-1.55	0.00	-147.52	0.00	147.52	2,211.67	1,105.84	2,848.87	1,406.95	0.89	-0.21	0.066
41.50	-26.24	-1.55	0.00	-146.75	0.00	146.75	2,208.20	1,104.10	2,837.20	1,401.18	0.91	-0.21	0.066
42.00	-26.11	-1.54	0.00	-145.97	0.00	145.97	2,204.72	1,102.36	2,825.53	1,395.42	0.93	-0.22	0.065
42.50	-25.97	-1.54	0.00	-145.20	0.00	145.20	2,201.23	1,100.61	2,813.88	1,389.67	0.95	-0.22	0.065
43.00	-25.84	-1.53	0.00	-144.43	0.00	144.43	2,197.72	1,098.86	2,802.24	1,383.92	0.98	-0.22	0.065
43.50	-25.71	-1.53	0.00	-143.67	0.00	143.67	2,194.21	1,097.10	2,790.61	1,378.18	1.00	-0.23	0.065
44.00	-25.57	-1.53	0.00	-142.90	0.00	142.90	2,190.68	1,095.34	2,778.98	1,372.44	1.02	-0.23	0.065
44.50	-25.44	-1.52	0.00	-142.14	0.00	142.14	2,187.15	1,093.57	2,767.37	1,366.70	1.05	-0.23	0.065
45.00	-25.30	-1.52	0.00	-141.38	0.00	141.38	2,183.60	1,091.80	2,755.77	1,360.97	1.07	-0.24	0.064
45.50	-25.17	-1.51	0.00	-140.62	0.00	140.62	2,180.05	1,090.02	2,744.17	1,355.24	1.10	-0.24	0.064
46.00	-25.04	-1.51	0.00	-139.86	0.00	139.86	2,176.48	1,088.24	2,732.59	1,349.52	1.12	-0.24	0.064
46.50	-24.91	-1.50	0.00	-139.11	0.00	139.11	2,172.91	1,086.45	2,721.02	1,343.81	1.15	-0.24	0.064
47.00	-24.77	-1.50	0.00	-138.36	0.00	138.36	2,169.32	1,084.66	2,709.45	1,338.10	1.17	-0.25	0.064
47.50	-24.64	-1.50	0.00	-137.61	0.00	137.61	2,165.72	1,082.86	2,697.90	1,332.39	1.20	-0.25	0.064
48.00	-24.51	-1.49	0.00	-136.86	0.00	136.86	2,162.11	1,081.06	2,686.36	1,326.69	1.23	-0.25	0.063
48.50	-24.38	-1.49	0.00	-136.11	0.00	136.11	2,158.50	1,079.25	2,674.83	1,321.00	1.25	-0.26	0.063
49.00	-24.24	-1.48	0.00	-135.37	0.00	135.37	2,154.87	1,077.43	2,663.31	1,315.31	1.28	-0.26	0.063
49.50	-24.11	-1.48	0.00	-134.63	0.00	134.63	2,151.23	1,075.61	2,651.80	1,309.62	1.31	-0.26	0.063
50.00	-23.98	-1.47	0.00	-133.89	0.00	133.89	2,147.58	1,073.79	2,640.30	1,303.95	1.33	-0.27	0.063
50.50	-23.85	-1.47	0.00	-133.15	0.00	133.15	2,143.92	1,071.96	2,628.81	1,298.27	1.36	-0.27	0.063
51.00	-23.72	-1.47	0.00	-132.42	0.00	132.42	2,140.25	1,070.13	2,617.34	1,292.60	1.39	-0.27	0.062
51.50	-23.59	-1.46	0.00	-131.69	0.00	131.69	2,136.57	1,068.29	2,605.87	1,286.94	1.42	-0.27	0.062
52.00	-23.45	-1.46	0.00	-130.95	0.00	130.95	2,132.88	1,066.44	2,594.42	1,281.29	1.45	-0.28	0.062
52.50	-23.32	-1.45	0.00	-130.23	0.00	130.23	2,129.18	1,064.59	2,582.98	1,275.64	1.48	-0.28	0.062
53.00	-23.19	-1.45	0.00	-129.50	0.00	129.50	2,125.47	1,062.73	2,571.55	1,269.99	1.51	-0.28	0.062
53.50	-23.06	-1.44	0.00	-128.77	0.00	128.77	2,121.75	1,060.87	2,560.13	1,264.35	1.54	-0.29	0.062
54.00	-22.93	-1.44	0.00	-128.05	0.00	128.05	2,118.01	1,059.01	2,548.72	1,258.72	1.57	-0.29	0.061
54.50	-22.80	-1.44	0.00	-127.33	0.00	127.33	2,114.27	1,057.14	2,537.32	1,253.09	1.60	-0.29	0.061
55.00	-22.67	-1.43	0.00	-126.61	0.00	126.61	2,110.52	1,055.26	2,525.94	1,247.47	1.63	-0.30	0.061
55.50	-22.54	-1.43	0.00	-125.90	0.00	125.90	2,106.75	1,053.38	2,514.57	1,241.85	1.66	-0.30	0.061
56.00	-22.41	-1.42	0.00	-125.18	0.00	125.18	2,102.98	1,051.49	2,503.21	1,236.24	1.69	-0.30	0.061
56.50	-22.28	-1.42	0.00	-124.47	0.00	124.47	2,099.20	1,049.60	2,491.86	1,230.64	1.72	-0.31	0.060
57.00	-22.15	-1.42	0.00	-123.76	0.00	123.76	2,095.40	1,047.70	2,480.53	1,225.04	1.76	-0.31	0.060
57.50	-22.02	-1.41	0.00	-123.05	0.00	123.05	2,091.60	1,045.80	2,469.21	1,219.45	1.79	-0.31	0.060
58.00	-21.89	-1.41	0.00	-122.35	0.00	122.35	2,087.78	1,043.89	2,457.90	1,213.86	1.82	-0.31	0.060

58.50	-21.77	-1.40	0.00	-121.65	0.00	121.65	2,083.96	1,041.98	2,446.60	1,208.28	1.85	-0.32	0.060
59.00	-21.64	-1.40	0.00	-120.94	0.00	120.94	2,080.12	1,040.06	2,435.32	1,202.71	1.89	-0.32	0.060
59.50	-21.51	-1.40	0.00	-120.24	0.00	120.24	2,076.27	1,038.14	2,424.04	1,197.14	1.92	-0.32	0.059
60.00	-21.38	-1.39	0.00	-119.55	0.00	119.55	2,072.41	1,036.21	2,412.79	1,191.58	1.96	-0.33	0.059
60.50	-21.25	-1.39	0.00	-118.85	0.00	118.85	2,068.55	1,034.27	2,401.54	1,186.03	1.99	-0.33	0.059
61.00	-21.12	-1.38	0.00	-118.15	0.00	118.15	2,064.67	1,032.33	2,390.31	1,180.48	2.02	-0.33	0.059
61.50	-20.99	-1.38	0.00	-117.46	0.00	117.46	2,060.78	1,030.39	2,379.09	1,174.94	2.06	-0.34	0.059
62.00	-20.87	-1.38	0.00	-116.77	0.00	116.77	2,056.88	1,028.44	2,367.88	1,169.41	2.10	-0.34	0.059
62.50	-20.74	-1.37	0.00	-116.08	0.00	116.08	2,052.97	1,026.49	2,356.69	1,163.88	2.13	-0.34	0.058
63.00	-20.61	-1.37	0.00	-115.40	0.00	115.40	2,049.05	1,024.53	2,345.51	1,158.36	2.17	-0.35	0.058
63.50	-20.48	-1.37	0.00	-114.71	0.00	114.71	2,045.12	1,022.56	2,334.35	1,152.85	2.20	-0.35	0.058
64.00	-20.36	-1.36	0.00	-114.03	0.00	114.03	2,041.18	1,020.59	2,323.20	1,147.34	2.24	-0.35	0.058
64.50	-20.23	-1.36	0.00	-113.35	0.00	113.35	2,037.23	1,018.62	2,312.06	1,141.84	2.28	-0.36	0.058
65.00	-20.10	-1.36	0.00	-112.66	0.00	112.66	2,033.27	1,016.64	2,300.94	1,136.35	2.31	-0.36	0.058
65.50	-19.98	-1.35	0.00	-111.99	0.00	111.99	2,029.30	1,014.65	2,289.83	1,130.86	2.35	-0.36	0.057
66.00	-19.85	-1.35	0.00	-111.31	0.00	111.31	2,025.32	1,012.66	2,278.74	1,125.38	2.39	-0.36	0.057
66.50	-19.72	-1.35	0.00	-110.63	0.00	110.63	2,021.33	1,010.66	2,267.65	1,119.91	2.43	-0.37	0.057
67.00	-19.60	-1.35	0.00	-109.96	0.00	109.96	2,016.97	1,008.48	2,256.19	1,114.25	2.47	-0.37	0.057
67.50	-19.47	-1.34	0.00	-109.29	0.00	109.29	2,011.16	1,005.58	2,243.13	1,107.80	2.51	-0.37	0.057
68.00	-19.35	-1.34	0.00	-108.61	0.00	108.61	2,005.34	1,002.67	2,230.12	1,101.37	2.55	-0.38	0.057
68.50	-19.22	-1.34	0.00	-107.94	0.00	107.94	1,999.53	999.77	2,217.14	1,094.96	2.59	-0.38	0.057
69.00	-19.10	-1.34	0.00	-107.27	0.00	107.27	1,993.72	996.86	2,204.19	1,088.57	2.63	-0.38	0.056
69.50	-18.97	-1.33	0.00	-106.61	0.00	106.61	1,987.91	993.96	2,191.29	1,082.20	2.67	-0.39	0.056
70.00	-18.80	-1.33	0.00	-105.94	0.00	105.94	1,982.10	991.05	2,178.42	1,075.84	2.71	-0.39	0.056
70.50	-18.63	-1.33	0.00	-105.27	0.00	105.27	1,976.29	988.14	2,165.59	1,069.51	2.75	-0.39	0.055
71.00	-18.46	-1.32	0.00	-104.61	0.00	104.61	1,970.48	985.24	2,152.80	1,063.19	2.79	-0.40	0.055
71.50	-18.29	-1.32	0.00	-103.95	0.00	103.95	1,964.67	982.33	2,140.05	1,056.89	2.83	-0.40	0.055
72.00	-18.12	-1.32	0.00	-103.29	0.00	103.29	1,958.85	979.43	2,127.34	1,050.61	2.87	-0.40	0.055
72.50	-17.95	-1.32	0.00	-102.63	0.00	102.63	1,953.04	976.52	2,114.66	1,044.35	2.92	-0.41	0.055
73.00	-17.84	-1.32	0.00	-101.97	0.00	101.97	1,947.23	973.62	2,102.02	1,038.11	2.96	-0.41	0.054
73.33	-17.78	-1.32	0.00	-101.53	0.00	101.53	1,943.40	971.70	2,093.70	1,034.00	2.99	-0.41	0.054
73.33	-17.78	-1.32	0.00	-101.53	0.00	101.53	1,943.40	971.70	2,093.70	1,034.00	2.99	-0.41	0.059
73.50	-17.67	-1.31	0.00	-101.31	0.00	101.31	1,473.96	736.98	1,624.57	802.32	3.00	-0.41	0.071
74.00	-17.57	-1.31	0.00	-100.65	0.00	100.65	1,471.41	735.71	1,616.97	798.56	3.04	-0.42	0.071
74.50	-17.46	-1.31	0.00	-100.00	0.00	100.00	1,468.85	734.43	1,609.36	794.80	3.09	-0.42	0.070
75.00	-17.36	-1.31	0.00	-99.34	0.00	99.34	1,466.28	733.14	1,601.77	791.05	3.13	-0.42	0.070
75.50	-17.25	-1.31	0.00	-98.68	0.00	98.68	1,463.70	731.85	1,594.18	787.30	3.18	-0.43	0.070
76.00	-17.15	-1.31	0.00	-98.03	0.00	98.03	1,461.11	730.55	1,586.59	783.56	3.22	-0.43	0.069
76.50	-17.04	-1.31	0.00	-97.37	0.00	97.37	1,458.51	729.25	1,579.01	779.81	3.27	-0.43	0.069
77.00	-16.94	-1.31	0.00	-96.71	0.00	96.71	1,455.89	727.95	1,571.44	776.07	3.31	-0.44	0.069
77.50	-16.83	-1.31	0.00	-96.06	0.00	96.06	1,453.27	726.64	1,563.87	772.34	3.36	-0.44	0.069
78.00	-16.73	-1.31	0.00	-95.40	0.00	95.40	1,450.64	725.32	1,556.31	768.60	3.40	-0.45	0.068
78.50	-16.62	-1.31	0.00	-94.74	0.00	94.74	1,447.99	724.00	1,548.75	764.87	3.45	-0.45	0.068
79.00	-16.52	-1.31	0.00	-94.09	0.00	94.09	1,445.34	722.67	1,541.20	761.14	3.50	-0.45	0.068
79.50	-16.41	-1.32	0.00	-93.43	0.00	93.43	1,442.68	721.34	1,533.65	757.41	3.55	-0.46	0.068
80.00	-16.31	-1.32	0.00	-92.77	0.00	92.77	1,440.00	720.00	1,526.12	753.69	3.59	-0.46	0.067
80.50	-16.20	-1.32	0.00	-92.11	0.00	92.11	1,437.32	718.66	1,518.59	749.97	3.64	-0.46	0.067
81.00	-16.10	-1.32	0.00	-91.45	0.00	91.45	1,434.62	717.31	1,511.06	746.26	3.69	-0.47	0.067
81.50	-15.99	-1.32	0.00	-90.80	0.00	90.80	1,431.91	715.96	1,503.54	742.54	3.74	-0.47	0.066
82.00	-15.89	-1.32	0.00	-90.13	0.00	90.13	1,429.20	714.60	1,496.03	738.83	3.79	-0.48	0.066
82.50	-15.79	-1.32	0.00	-89.47	0.00	89.47	1,426.47	713.23	1,488.53	735.13	3.84	-0.48	0.066
83.00	-15.68	-1.33	0.00	-88.81	0.00	88.81	1,423.73	711.87	1,481.03	731.43	3.89	-0.48	0.066
83.50	-15.58	-1.33	0.00	-88.15	0.00	88.15	1,420.98	710.49	1,473.54	727.73	3.94	-0.49	0.065
84.00	-15.48	-1.33	0.00	-87.49	0.00	87.49	1,418.23	709.11	1,466.06	724.03	3.99	-0.49	0.065
84.50	-15.37	-1.33	0.00	-86.82	0.00	86.82	1,415.46	707.73	1,458.58	720.34	4.04	-0.49	0.065
85.00	-15.27	-1.33	0.00	-86.16	0.00	86.16	1,412.68	706.34	1,451.11	716.65	4.10	-0.50	0.064
85.50	-15.17	-1.34	0.00	-85.49	0.00	85.49	1,409.89	704.94	1,443.65	712.97	4.15	-0.50	0.064
86.00	-15.07	-1.34	0.00	-84.82	0.00	84.82	1,407.09	703.54	1,436.20	709.28	4.20	-0.51	0.064
86.50	-14.96	-1.34	0.00	-84.15	0.00	84.15	1,404.28	702.14	1,428.75	705.61	4.25	-0.51	0.064
87.00	-14.86	-1.34	0.00	-83.48	0.00	83.48	1,401.46	700.73	1,421.32	701.93	4.31	-0.51	0.063
87.50	-14.76	-1.35	0.00	-82.81	0.00	82.81	1,398.63	699.31	1,413.89	698.26	4.36	-0.52	0.063
88.00	-14.66	-1.35	0.00	-82.14	0.00	82.14	1,395.79	697.89	1,406.46	694.60	4.42	-0.52	0.063
88.50	-14.55	-1.35	0.00	-81.47	0.00	81.47	1,392.93	696.47	1,399.05	690.94	4.47	-0.52	0.062
89.00	-14.45	-1.35	0.00	-80.79	0.00	80.79	1,390.07	695.04	1,391.64	687.28	4.53	-0.53	0.062

89.50	-14.35	-1.36	0.00	-80.11	0.00	80.11	1,387.20	693.60	1,384.25	683.63	4.58	-0.53	0.062
90.00	-14.25	-1.36	0.00	-79.44	0.00	79.44	1,384.32	692.16	1,376.86	679.98	4.64	-0.54	0.061
90.50	-14.15	-1.36	0.00	-78.76	0.00	78.76	1,381.42	690.71	1,369.48	676.33	4.69	-0.54	0.061
91.00	-14.04	-1.37	0.00	-78.08	0.00	78.08	1,378.52	689.26	1,362.10	672.69	4.75	-0.54	0.061
91.50	-13.94	-1.37	0.00	-77.39	0.00	77.39	1,375.61	687.80	1,354.74	669.06	4.81	-0.55	0.060
92.00	-13.84	-1.37	0.00	-76.71	0.00	76.71	1,372.68	686.34	1,347.39	665.42	4.87	-0.55	0.060
92.50	-13.74	-1.38	0.00	-76.02	0.00	76.02	1,369.75	684.87	1,340.04	661.80	4.92	-0.55	0.060
93.00	-13.64	-1.38	0.00	-75.34	0.00	75.34	1,366.80	683.40	1,332.70	658.17	4.98	-0.56	0.059
93.50	-13.54	-1.38	0.00	-74.65	0.00	74.65	1,363.85	681.92	1,325.38	654.55	5.04	-0.56	0.059
94.00	-13.44	-1.39	0.00	-73.96	0.00	73.96	1,360.88	680.44	1,318.06	650.94	5.10	-0.57	0.059
94.50	-13.34	-1.39	0.00	-73.26	0.00	73.26	1,357.90	678.95	1,310.75	647.33	5.16	-0.57	0.058
95.00	-13.24	-1.39	0.00	-72.57	0.00	72.57	1,354.92	677.46	1,303.45	643.72	5.22	-0.57	0.058
95.50	-13.14	-1.40	0.00	-71.87	0.00	71.87	1,351.92	675.96	1,296.16	640.12	5.28	-0.58	0.058
96.00	-13.04	-1.40	0.00	-71.18	0.00	71.18	1,348.91	674.46	1,288.88	636.53	5.34	-0.58	0.057
96.50	-12.94	-1.40	0.00	-70.48	0.00	70.48	1,345.89	672.95	1,281.61	632.94	5.40	-0.58	0.057
97.00	-12.84	-1.41	0.00	-69.78	0.00	69.78	1,342.86	671.43	1,274.35	629.35	5.46	-0.59	0.057
97.50	-12.74	-1.41	0.00	-69.07	0.00	69.07	1,339.82	669.91	1,267.09	625.77	5.52	-0.59	0.056
98.00	-12.64	-1.41	0.00	-68.37	0.00	68.37	1,336.78	668.39	1,259.85	622.19	5.58	-0.59	0.056
98.50	-12.54	-1.42	0.00	-67.66	0.00	67.66	1,333.72	666.86	1,252.62	618.62	5.65	-0.60	0.055
99.00	-12.44	-1.42	0.00	-66.95	0.00	66.95	1,330.65	665.32	1,245.40	615.06	5.71	-0.60	0.055
99.50	-12.34	-1.42	0.00	-66.25	0.00	66.25	1,327.57	663.78	1,238.19	611.50	5.77	-0.61	0.055
100.00	-12.24	-1.43	0.00	-65.53	0.00	65.53	1,324.47	662.24	1,230.99	607.94	5.84	-0.61	0.054
100.50	-12.14	-1.43	0.00	-64.82	0.00	64.82	1,321.37	660.69	1,223.80	604.39	5.90	-0.61	0.054
101.00	-12.04	-1.43	0.00	-64.11	0.00	64.11	1,318.26	659.13	1,216.62	600.84	5.97	-0.62	0.054
101.50	-11.94	-1.43	0.00	-63.39	0.00	63.39	1,315.14	657.57	1,209.45	597.30	6.03	-0.62	0.053
102.00	-11.85	-1.44	0.00	-62.67	0.00	62.67	1,312.01	656.00	1,202.30	593.77	6.10	-0.62	0.053
102.50	-11.75	-1.44	0.00	-61.96	0.00	61.96	1,308.86	654.43	1,195.15	590.24	6.16	-0.63	0.052
103.00	-11.65	-1.44	0.00	-61.24	0.00	61.24	1,305.71	652.86	1,188.02	586.72	6.23	-0.63	0.052
103.50	-11.55	-1.45	0.00	-60.51	0.00	60.51	1,302.55	651.27	1,180.89	583.20	6.29	-0.63	0.051
104.00	-11.45	-1.45	0.00	-59.79	0.00	59.79	1,299.37	649.69	1,173.78	579.69	6.36	-0.64	0.051
104.50	-11.36	-1.45	0.00	-59.07	0.00	59.07	1,296.19	648.09	1,166.68	576.18	6.43	-0.64	0.051
105.00	-11.26	-1.45	0.00	-58.34	0.00	58.34	1,292.99	646.50	1,159.59	572.68	6.49	-0.64	0.050
105.50	-11.16	-1.46	0.00	-57.61	0.00	57.61	1,288.98	644.99	1,151.78	568.82	6.56	-0.65	0.050
106.00	-11.06	-1.46	0.00	-56.88	0.00	56.88	1,284.33	642.16	1,143.44	564.70	6.63	-0.65	0.049
106.50	-10.96	-1.46	0.00	-56.15	0.00	56.15	1,279.68	639.84	1,135.13	560.60	6.70	-0.66	0.049
107.00	-10.87	-1.46	0.00	-55.42	0.00	55.42	1,275.03	637.51	1,126.85	556.51	6.77	-0.66	0.049
107.50	-10.77	-1.47	0.00	-54.69	0.00	54.69	1,270.38	635.19	1,118.60	552.44	6.84	-0.66	0.048
108.00	-10.67	-1.47	0.00	-53.96	0.00	53.96	1,265.73	632.87	1,110.38	548.38	6.91	-0.67	0.048
108.50	-10.58	-1.47	0.00	-53.22	0.00	53.22	1,261.08	630.54	1,102.19	544.33	6.98	-0.67	0.047
109.00	-10.48	-1.47	0.00	-52.49	0.00	52.49	1,256.43	628.22	1,094.04	540.30	7.05	-0.67	0.047
109.50	-10.38	-1.47	0.00	-51.75	0.00	51.75	1,251.78	625.89	1,085.91	536.29	7.12	-0.68	0.047
110.00	-10.30	-1.47	0.00	-51.02	0.00	51.02	1,247.14	623.57	1,077.81	532.29	7.19	-0.68	0.046
110.50	-10.20	-1.47	0.00	-50.28	0.00	50.28	853.24	426.62	741.79	366.34	7.19	-0.68	0.000
111.00	-10.14	-1.48	0.00	-49.54	0.00	49.54	851.46	425.73	737.46	364.21	7.26	-0.68	0.065
111.50	-10.07	-1.48	0.00	-48.80	0.00	48.80	849.67	424.84	733.15	362.07	7.33	-0.69	0.064
112.00	-9.99	-1.48	0.00	-48.06	0.00	48.06	847.87	423.94	728.83	359.94	7.40	-0.69	0.063
112.50	-9.91	-1.48	0.00	-47.32	0.00	47.32	846.07	423.03	724.52	357.81	7.48	-0.70	0.062
113.00	-9.83	-1.48	0.00	-46.58	0.00	46.58	844.25	422.12	720.21	355.68	7.55	-0.70	0.062
113.50	-9.75	-1.48	0.00	-45.84	0.00	45.84	842.42	421.21	715.90	353.56	7.62	-0.70	0.061
114.00	-9.67	-1.48	0.00	-45.10	0.00	45.10	840.58	420.29	711.60	351.43	7.70	-0.71	0.060
114.50	-9.59	-1.48	0.00	-44.36	0.00	44.36	838.73	419.36	707.30	349.31	7.77	-0.71	0.059
115.00	-9.51	-1.48	0.00	-43.62	0.00	43.62	836.87	418.43	703.00	347.19	7.84	-0.72	0.059
115.50	-9.43	-1.48	0.00	-42.88	0.00	42.88	834.99	417.50	698.71	345.06	7.92	-0.72	0.058
116.00	-9.36	-1.48	0.00	-42.14	0.00	42.14	833.11	416.56	694.42	342.95	8.00	-0.72	0.057
116.50	-9.31	-1.48	0.00	-41.40	0.00	41.40	831.22	415.61	690.13	340.83	8.07	-0.73	0.056
117.00	-9.26	-1.48	0.00	-40.66	0.00	40.66	829.32	414.66	685.85	338.71	8.15	-0.73	0.056
117.50	-9.22	-1.48	0.00	-39.92	0.00	39.92	829.32	414.66	685.85	338.71	8.15	-0.73	0.133
118.00	-9.17	-1.48	0.00	-39.17	0.00	39.17	827.41	413.70	681.57	336.60	8.22	-0.74	0.132
118.50	-9.12	-1.48	0.00	-38.43	0.00	38.43	825.48	412.74	677.29	334.49	8.30	-0.74	0.131
119.00	-9.08	-1.48	0.00	-37.69	0.00	37.69	823.55	411.77	673.02	332.38	8.38	-0.75	0.129
119.50	-9.03	-1.48	0.00	-36.95	0.00	36.95	821.61	410.80	668.75	330.27	8.46	-0.76	0.127
120.00	-8.98	-1.48	0.00	-36.21	0.00	36.21	819.65	409.83	664.49	328.17	8.54	-0.77	0.126
							817.69	408.84	660.23	326.06	8.62	-0.78	0.124
							815.71	407.86	655.98	323.96	8.70	-0.79	0.123

120.50	-8.94	-1.48	0.00	-35.46	0.00	35.46	813.73	406.86	651.73	321.87	8.79	-0.80	0.121
121.00	-8.89	-1.48	0.00	-34.72	0.00	34.72	811.73	405.86	647.49	319.77	8.87	-0.81	0.120
121.50	-8.85	-1.48	0.00	-33.98	0.00	33.98	809.72	404.86	643.25	317.68	8.96	-0.82	0.118
122.00	-8.80	-1.48	0.00	-33.24	0.00	33.24	807.71	403.85	639.01	315.58	9.04	-0.83	0.116
122.50	-8.75	-1.48	0.00	-32.49	0.00	32.49	805.68	402.84	634.78	313.49	9.13	-0.83	0.115
123.00	-8.71	-1.48	0.00	-31.75	0.00	31.75	803.64	401.82	630.56	311.41	9.22	-0.84	0.113
123.50	-8.66	-1.48	0.00	-31.01	0.00	31.01	801.59	400.80	626.34	309.32	9.31	-0.85	0.111
124.00	-8.62	-1.48	0.00	-30.27	0.00	30.27	799.54	399.77	622.12	307.24	9.40	-0.86	0.109
124.50	-8.57	-1.48	0.00	-29.53	0.00	29.53	797.47	398.73	617.91	305.16	9.49	-0.87	0.108
125.00	-8.53	-1.48	0.00	-28.79	0.00	28.79	795.39	397.69	613.71	303.09	9.58	-0.88	0.106
125.50	-8.48	-1.48	0.00	-28.05	0.00	28.05	793.30	396.65	609.51	301.01	9.67	-0.88	0.104
126.00	-8.44	-1.48	0.00	-27.31	0.00	27.31	791.20	395.60	605.32	298.94	9.76	-0.89	0.102
126.50	-8.39	-1.47	0.00	-26.58	0.00	26.58	789.09	394.54	601.13	296.88	9.86	-0.90	0.100
127.00	-8.35	-1.47	0.00	-25.84	0.00	25.84	786.97	393.48	596.95	294.81	9.95	-0.91	0.098
127.50	-8.30	-1.47	0.00	-25.10	0.00	25.10	784.84	392.42	592.78	292.75	10.05	-0.91	0.096
128.00	-8.26	-1.47	0.00	-24.37	0.00	24.37	782.69	391.35	588.61	290.69	10.14	-0.92	0.094
128.50	-8.21	-1.46	0.00	-23.63	0.00	23.63	780.54	390.27	584.44	288.64	10.24	-0.93	0.092
129.00	-8.17	-1.46	0.00	-22.90	0.00	22.90	778.38	389.19	580.29	286.58	10.34	-0.94	0.090
129.50	-8.13	-1.46	0.00	-22.17	0.00	22.17	776.21	388.10	576.14	284.53	10.44	-0.94	0.088
130.00	-8.08	-1.46	0.00	-21.44	0.00	21.44	774.02	387.01	572.00	282.49	10.54	-0.95	0.086
130.50	-8.04	-1.45	0.00	-20.71	0.00	20.71	771.83	385.91	567.86	280.44	10.64	-0.96	0.084
131.00	-4.80	-1.15	0.00	-19.99	0.00	19.99	769.63	384.81	563.73	278.40	10.74	-0.96	0.078
131.50	-4.76	-1.15	0.00	-19.41	0.00	19.41	767.41	383.71	559.60	276.37	10.84	-0.97	0.076
132.00	-4.73	-1.14	0.00	-18.84	0.00	18.84	765.19	382.59	555.49	274.33	10.94	-0.98	0.075
132.50	-4.69	-1.14	0.00	-18.27	0.00	18.27	762.95	381.48	551.38	272.31	11.04	-0.98	0.073
133.00	-4.65	-1.14	0.00	-17.70	0.00	17.70	760.71	380.35	547.28	270.28	11.14	-0.99	0.072
133.50	-4.61	-1.13	0.00	-17.13	0.00	17.13	758.45	379.23	543.18	268.26	11.25	-0.99	0.070
134.00	-4.57	-1.13	0.00	-16.56	0.00	16.56	756.18	378.09	539.09	266.24	11.35	-1.00	0.068
134.50	-4.54	-1.12	0.00	-16.00	0.00	16.00	753.91	376.95	535.01	264.22	11.46	-1.01	0.067
135.00	-4.50	-1.12	0.00	-15.44	0.00	15.44	751.62	375.81	530.94	262.21	11.56	-1.01	0.065
135.50	-4.46	-1.12	0.00	-14.88	0.00	14.88	749.32	374.66	526.87	260.20	11.67	-1.02	0.063
136.00	-4.43	-1.11	0.00	-14.32	0.00	14.32	747.01	373.51	522.82	258.20	11.78	-1.02	0.061
136.50	-4.39	-1.11	0.00	-13.76	0.00	13.76	744.70	372.35	518.77	256.20	11.88	-1.03	0.060
137.00	-4.35	-1.10	0.00	-13.21	0.00	13.21	742.37	371.18	514.72	254.20	11.99	-1.03	0.058
137.50	-4.31	-1.10	0.00	-12.66	0.00	12.66	740.03	370.01	510.69	252.21	12.10	-1.04	0.056
138.00	-4.28	-1.09	0.00	-12.11	0.00	12.11	737.68	368.84	506.66	250.22	12.21	-1.04	0.054
138.50	-4.24	-1.09	0.00	-11.57	0.00	11.57	735.32	367.66	502.65	248.24	12.32	-1.05	0.052
139.00	-4.20	-1.08	0.00	-11.02	0.00	11.02	732.95	366.47	498.64	246.26	12.43	-1.05	0.051
139.50	-4.17	-1.07	0.00	-10.48	0.00	10.48	730.57	365.28	494.64	244.28	12.54	-1.06	0.049
140.00	-4.13	-1.07	0.00	-9.95	0.00	9.95	728.18	364.09	490.64	242.31	12.65	-1.06	0.047
140.50	-4.10	-1.06	0.00	-9.41	0.00	9.41	725.74	362.72	486.44	240.23	12.76	-1.06	0.045
141.00	-3.98	-1.04	0.00	-8.88	0.00	8.88	723.29	361.35	482.24	238.16	12.87	-1.07	0.043
141.50	-3.95	-1.04	0.00	-8.36	0.00	8.36	720.84	359.97	478.04	236.11	12.98	-1.07	0.041
142.00	-3.91	-1.03	0.00	-7.84	0.00	7.84	718.38	358.59	473.84	234.06	13.10	-1.08	0.039
142.50	-3.88	-1.03	0.00	-7.33	0.00	7.33	715.91	357.19	469.64	232.01	13.21	-1.08	0.037
143.00	-3.85	-1.02	0.00	-6.81	0.00	6.81	713.45	355.78	465.44	230.03	13.33	-1.08	0.035
143.50	-3.82	-1.01	0.00	-6.30	0.00	6.30	710.99	354.35	461.24	228.06	13.44	-1.09	0.033
144.00	-3.78	-1.01	0.00	-5.80	0.00	5.80	708.53	352.92	457.04	226.10	13.55	-1.09	0.031
144.50	-3.75	-1.00	0.00	-5.30	0.00	5.30	706.07	351.47	452.84	224.14	13.67	-1.09	0.029
145.00	-3.72	-0.99	0.00	-4.80	0.00	4.80	703.61	349.99	448.64	222.18	13.78	-1.09	0.027
145.50	-3.69	-0.99	0.00	-4.30	0.00	4.30	701.15	348.54	444.44	220.23	13.89	-1.10	0.025
146.00	-3.66	-0.98	0.00	-3.81	0.00	3.81	698.69	347.07	440.24	218.28	14.01	-1.10	0.023
146.50	-3.62	-0.97	0.00	-3.32	0.00	3.32	696.23	345.59	436.04	216.33	14.13	-1.10	0.021
147.00	-3.59	-0.96	0.00	-2.83	0.00	2.83	693.77	344.07	431.84	214.38	14.24	-1.10	0.019
147.50	-3.56	-0.96	0.00	-2.35	0.00	2.35	691.31	342.54	427.64	212.43	14.36	-1.10	0.017
148.00	-3.53	-0.95	0.00	-1.87	0.00	1.87	688.85	341.00	423.44	210.48	14.47	-1.10	0.014
148.50	-3.50	-0.94	0.00	-1.40	0.00	1.40	686.39	339.45	419.24	208.53	14.59	-1.10	0.012
149.00	-3.47	-0.93	0.00	-0.93	0.00	0.93	683.93	337.89	415.04	206.58	14.70	-1.11	0.010
149.50	-3.43	-0.92	0.00	-0.46	0.00	0.46	681.47	336.35	410.84	204.63	14.82	-1.11	0.007
150.00	0.00	-0.86	0.00	0.00	0.00	0.00	679.01	334.79	406.64	202.68	14.93	-1.11	0.000

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 (-) (klps)	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	-27.68	-1.86	0.00	-214.14	0.00	214.14	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.061
0.50	-27.58	-1.86	0.00	-213.21	0.00	213.21	3,152.93	1,576.47	4,795.55	2,368.34	0.00	0.00	0.061
1.00	-27.47	-1.86	0.00	-212.28	0.00	212.28	3,148.69	1,574.34	4,778.83	2,360.09	0.00	0.00	0.060
1.50	-27.37	-1.86	0.00	-211.35	0.00	211.35	3,144.43	1,572.22	4,762.13	2,351.84	0.00	-0.01	0.060
2.00	-27.27	-1.86	0.00	-210.42	0.00	210.42	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.01	0.060
2.50	-27.16	-1.86	0.00	-209.49	0.00	209.49	3,135.89	1,567.94	4,728.75	2,335.35	0.00	-0.01	0.060
3.00	-27.06	-1.86	0.00	-208.56	0.00	208.56	3,131.60	1,565.80	4,712.08	2,327.12	0.00	-0.01	0.060
3.50	-26.96	-1.86	0.00	-207.63	0.00	207.63	3,127.31	1,563.65	4,695.42	2,318.89	0.01	-0.02	0.060
4.00	-26.85	-1.85	0.00	-206.71	0.00	206.71	3,123.00	1,561.50	4,678.77	2,310.67	0.01	-0.02	0.060
4.50	-26.75	-1.85	0.00	-205.78	0.00	205.78	3,118.68	1,559.34	4,662.14	2,302.45	0.01	-0.02	0.060
5.00	-26.65	-1.85	0.00	-204.85	0.00	204.85	3,114.35	1,557.18	4,645.51	2,294.24	0.01	-0.02	0.059
5.50	-26.55	-1.85	0.00	-203.93	0.00	203.93	3,110.02	1,555.01	4,628.91	2,286.04	0.02	-0.03	0.059
6.00	-26.44	-1.85	0.00	-203.00	0.00	203.00	3,105.67	1,552.83	4,612.31	2,277.85	0.02	-0.03	0.059
6.50	-26.34	-1.84	0.00	-202.08	0.00	202.08	3,101.31	1,550.65	4,595.73	2,269.66	0.02	-0.03	0.059
7.00	-26.24	-1.84	0.00	-201.16	0.00	201.16	3,096.94	1,548.47	4,579.16	2,261.47	0.02	-0.03	0.059
7.50	-26.14	-1.84	0.00	-200.24	0.00	200.24	3,092.56	1,546.28	4,562.60	2,253.30	0.03	-0.04	0.059
8.00	-26.02	-1.84	0.00	-199.32	0.00	199.32	3,088.17	1,544.08	4,546.06	2,245.13	0.03	-0.04	0.059
8.50	-25.90	-1.83	0.00	-198.40	0.00	198.40	3,083.77	1,541.88	4,529.53	2,236.96	0.04	-0.04	0.059
9.00	-25.79	-1.83	0.00	-197.48	0.00	197.48	3,079.36	1,539.68	4,513.01	2,228.81	0.04	-0.04	0.059
9.50	-25.67	-1.83	0.00	-196.57	0.00	196.57	3,074.94	1,537.47	4,496.51	2,220.66	0.05	-0.05	0.058
10.00	-25.56	-1.82	0.00	-195.65	0.00	195.65	3,070.50	1,535.25	4,480.02	2,212.51	0.05	-0.05	0.058
10.50	-25.44	-1.82	0.00	-194.74	0.00	194.74	3,066.06	1,533.03	4,463.54	2,204.38	0.06	-0.05	0.058
11.00	-25.32	-1.82	0.00	-193.83	0.00	193.83	3,061.61	1,530.80	4,447.08	2,196.25	0.06	-0.05	0.058
11.50	-25.21	-1.81	0.00	-192.92	0.00	192.92	3,057.15	1,528.57	4,430.63	2,188.12	0.07	-0.06	0.058
12.00	-25.09	-1.81	0.00	-192.02	0.00	192.02	3,052.67	1,526.34	4,414.20	2,180.01	0.07	-0.06	0.058
12.50	-24.98	-1.80	0.00	-191.11	0.00	191.11	3,048.19	1,524.09	4,397.78	2,171.90	0.08	-0.06	0.058
13.00	-24.86	-1.80	0.00	-190.21	0.00	190.21	3,043.69	1,521.85	4,381.37	2,163.80	0.09	-0.06	0.058
13.50	-24.75	-1.80	0.00	-189.31	0.00	189.31	3,039.19	1,519.59	4,364.98	2,155.70	0.09	-0.07	0.057
14.00	-24.63	-1.79	0.00	-188.41	0.00	188.41	3,034.67	1,517.34	4,348.61	2,147.61	0.10	-0.07	0.057
14.50	-24.52	-1.79	0.00	-187.51	0.00	187.51	3,030.15	1,515.07	4,332.24	2,139.53	0.11	-0.07	0.057
15.00	-24.40	-1.78	0.00	-186.62	0.00	186.62	3,025.61	1,512.81	4,315.90	2,131.46	0.11	-0.07	0.057
15.50	-24.29	-1.78	0.00	-185.73	0.00	185.73	3,021.07	1,510.53	4,299.57	2,123.39	0.12	-0.07	0.057
16.00	-24.17	-1.78	0.00	-184.84	0.00	184.84	3,016.51	1,508.25	4,283.25	2,115.33	0.13	-0.08	0.057
16.50	-24.06	-1.77	0.00	-183.95	0.00	183.95	3,011.94	1,505.97	4,266.95	2,107.28	0.14	-0.08	0.057
17.00	-23.95	-1.77	0.00	-183.06	0.00	183.06	3,007.37	1,503.68	4,250.66	2,099.24	0.15	-0.08	0.057
17.50	-23.83	-1.76	0.00	-182.18	0.00	182.18	3,002.78	1,501.39	4,234.39	2,091.20	0.16	-0.08	0.056
18.00	-23.72	-1.76	0.00	-181.30	0.00	181.30	2,998.18	1,499.09	4,218.13	2,083.18	0.16	-0.09	0.056
18.50	-23.60	-1.75	0.00	-180.42	0.00	180.42	2,993.57	1,496.79	4,201.89	2,075.15	0.17	-0.09	0.056
19.00	-23.49	-1.75	0.00	-179.54	0.00	179.54	2,988.95	1,494.48	4,185.66	2,067.14	0.18	-0.09	0.056
19.50	-23.38	-1.74	0.00	-178.67	0.00	178.67	2,984.32	1,492.16	4,169.45	2,059.13	0.19	-0.09	0.056
20.00	-23.26	-1.74	0.00	-177.80	0.00	177.80	2,979.68	1,489.84	4,153.25	2,051.14	0.20	-0.10	0.056
20.50	-23.15	-1.74	0.00	-176.93	0.00	176.93	2,975.03	1,487.52	4,137.08	2,043.15	0.21	-0.10	0.056
21.00	-23.04	-1.73	0.00	-176.06	0.00	176.06	2,970.37	1,485.19	4,120.91	2,035.16	0.22	-0.10	0.056
21.50	-22.92	-1.73	0.00	-175.19	0.00	175.19	2,965.70	1,482.85	4,104.77	2,027.19	0.23	-0.10	0.055
22.00	-22.81	-1.72	0.00	-174.33	0.00	174.33	2,961.02	1,480.51	4,088.63	2,019.22	0.25	-0.11	0.055
22.50	-22.70	-1.72	0.00	-173.47	0.00	173.47	2,956.33	1,478.16	4,072.52	2,011.26	0.26	-0.11	0.055
23.00	-22.59	-1.71	0.00	-172.61	0.00	172.61	2,951.62	1,475.81	4,056.42	2,003.31	0.27	-0.11	0.055
23.50	-22.47	-1.71	0.00	-171.75	0.00	171.75	2,946.91	1,473.46	4,040.34	1,995.37	0.28	-0.11	0.055
24.00	-22.36	-1.70	0.00	-170.90	0.00	170.90	2,942.19	1,471.09	4,024.27	1,987.44	0.29	-0.12	0.055
24.50	-22.25	-1.70	0.00	-170.05	0.00	170.05	2,937.46	1,468.73	4,008.22	1,979.51	0.31	-0.12	0.055
25.00	-22.14	-1.69	0.00	-169.20	0.00	169.20	2,932.71	1,466.36	3,992.19	1,971.59	0.32	-0.12	0.055
25.50	-22.03	-1.69	0.00	-168.35	0.00	168.35	2,927.96	1,463.98	3,976.18	1,963.68	0.33	-0.12	0.054
26.00	-21.92	-1.68	0.00	-167.51	0.00	167.51	2,923.19	1,461.60	3,960.18	1,955.78	0.34	-0.13	0.054
26.50	-21.80	-1.68	0.00	-166.67	0.00	166.67	2,918.42	1,459.21	3,944.20	1,947.89	0.36	-0.13	0.054
27.00	-21.69	-1.67	0.00	-165.83	0.00	165.83	2,913.63	1,456.82	3,928.23	1,940.01	0.37	-0.13	0.054
27.50	-21.58	-1.67	0.00	-164.99	0.00	164.99	2,910.08	1,455.04	3,913.96	1,932.96	0.39	-0.13	0.054

28.00	-21.47	-1.66	0.00	-164.16	0.00	164.16	2,903.11	1,451.55	3,895.11	1,923.65	0.40	-0.14	0.054
28.50	-21.36	-1.66	0.00	-163.32	0.00	163.32	2,896.13	1,448.07	3,876.32	1,914.37	0.41	-0.14	0.054
29.00	-21.25	-1.65	0.00	-162.49	0.00	162.49	2,889.16	1,444.58	3,857.57	1,905.11	0.43	-0.14	0.054
29.50	-21.14	-1.65	0.00	-161.67	0.00	161.67	2,882.19	1,441.09	3,838.86	1,895.87	0.44	-0.14	0.054
30.00	-21.03	-1.64	0.00	-160.84	0.00	160.84	2,875.21	1,437.61	3,820.20	1,886.65	0.46	-0.15	0.053
30.50	-20.92	-1.64	0.00	-160.02	0.00	160.02	2,868.24	1,434.12	3,801.59	1,877.46	0.47	-0.15	0.053
31.00	-20.81	-1.63	0.00	-159.20	0.00	159.20	2,861.26	1,430.63	3,783.02	1,868.29	0.49	-0.15	0.053
31.50	-20.65	-1.63	0.00	-158.38	0.00	158.38	2,854.29	1,427.15	3,764.50	1,859.14	0.51	-0.15	0.053
32.00	-20.49	-1.62	0.00	-157.57	0.00	157.57	2,847.32	1,423.66	3,746.02	1,850.02	0.52	-0.16	0.052
32.50	-20.33	-1.61	0.00	-156.76	0.00	156.76	2,840.34	1,420.17	3,727.58	1,840.91	0.54	-0.16	0.052
33.00	-20.18	-1.60	0.00	-155.95	0.00	155.95	2,833.37	1,416.69	3,709.20	1,831.83	0.56	-0.16	0.052
33.50	-20.02	-1.60	0.00	-155.15	0.00	155.15	2,826.40	1,413.20	3,690.85	1,822.77	0.57	-0.16	0.052
34.00	-19.86	-1.59	0.00	-154.35	0.00	154.35	2,819.42	1,409.71	3,672.56	1,813.74	0.59	-0.17	0.052
34.50	-19.70	-1.58	0.00	-153.56	0.00	153.56	2,812.45	1,406.22	3,654.31	1,804.72	0.61	-0.17	0.052
35.00	-19.55	-1.57	0.00	-152.77	0.00	152.77	2,805.48	1,402.74	3,636.10	1,795.73	0.63	-0.17	0.052
35.50	-19.50	-1.57	0.00	-151.98	0.00	151.98	2,798.50	1,399.25	3,617.94	1,786.76	0.64	-0.17	0.052
35.67	-19.43	-1.57	0.00	-151.72	0.00	151.72	2,248.07	1,124.03	2,973.91	1,468.70	0.65	-0.18	0.059
36.00	-19.33	-1.56	0.00	-151.20	0.00	151.20	2,245.83	1,122.91	2,966.06	1,464.83	0.66	-0.18	0.059
36.50	-19.29	-1.56	0.00	-150.42	0.00	150.42	2,242.46	1,121.23	2,954.30	1,459.02	0.68	-0.18	0.059
36.67	-19.23	-1.56	0.00	-150.15	0.00	150.15	2,241.31	1,120.65	2,950.31	1,457.05	0.69	-0.18	0.059
36.67	-19.23	-1.56	0.00	-150.15	0.00	150.15	2,241.31	1,120.65	2,950.31	1,457.05	0.69	-0.18	0.064
37.00	-19.14	-1.55	0.00	-149.64	0.00	149.64	2,239.08	1,119.54	2,942.55	1,453.22	0.70	-0.18	0.063
37.50	-19.04	-1.55	0.00	-148.86	0.00	148.86	2,235.69	1,117.84	2,930.81	1,447.42	0.72	-0.19	0.063
38.00	-18.95	-1.55	0.00	-148.08	0.00	148.08	2,232.29	1,116.14	2,919.08	1,441.62	0.74	-0.19	0.063
38.50	-18.85	-1.54	0.00	-147.31	0.00	147.31	2,228.88	1,114.44	2,907.36	1,435.83	0.76	-0.19	0.063
39.00	-18.76	-1.54	0.00	-146.54	0.00	146.54	2,225.46	1,112.73	2,895.64	1,430.05	0.78	-0.19	0.063
39.50	-18.66	-1.53	0.00	-145.77	0.00	145.77	2,222.03	1,111.01	2,883.93	1,424.27	0.80	-0.20	0.063
40.00	-18.57	-1.53	0.00	-145.01	0.00	145.01	2,218.59	1,109.29	2,872.23	1,418.49	0.82	-0.20	0.062
40.50	-18.47	-1.52	0.00	-144.24	0.00	144.24	2,215.14	1,107.57	2,860.55	1,412.72	0.84	-0.20	0.062
41.00	-18.38	-1.52	0.00	-143.48	0.00	143.48	2,211.67	1,105.84	2,848.87	1,406.95	0.86	-0.21	0.062
41.50	-18.29	-1.51	0.00	-142.72	0.00	142.72	2,208.20	1,104.10	2,837.20	1,401.18	0.89	-0.21	0.062
42.00	-18.19	-1.51	0.00	-141.96	0.00	141.96	2,204.72	1,102.36	2,825.53	1,395.42	0.91	-0.21	0.062
42.50	-18.10	-1.51	0.00	-141.21	0.00	141.21	2,201.23	1,100.61	2,813.88	1,389.67	0.93	-0.21	0.062
43.00	-18.01	-1.50	0.00	-140.46	0.00	140.46	2,197.72	1,098.86	2,802.24	1,383.92	0.95	-0.22	0.061
43.50	-17.91	-1.50	0.00	-139.70	0.00	139.70	2,194.21	1,097.10	2,790.61	1,378.18	0.98	-0.22	0.061
44.00	-17.82	-1.49	0.00	-138.96	0.00	138.96	2,190.68	1,095.34	2,778.98	1,372.44	1.00	-0.22	0.061
44.50	-17.73	-1.49	0.00	-138.21	0.00	138.21	2,187.15	1,093.57	2,767.37	1,366.70	1.02	-0.23	0.061
45.00	-17.63	-1.48	0.00	-137.47	0.00	137.47	2,183.60	1,091.80	2,755.77	1,360.97	1.05	-0.23	0.061
45.50	-17.54	-1.48	0.00	-136.72	0.00	136.72	2,180.05	1,090.02	2,744.17	1,355.24	1.07	-0.23	0.061
46.00	-17.45	-1.47	0.00	-135.98	0.00	135.98	2,176.48	1,088.24	2,732.59	1,349.52	1.10	-0.24	0.060
46.50	-17.36	-1.47	0.00	-135.25	0.00	135.25	2,172.91	1,086.45	2,721.02	1,343.81	1.12	-0.24	0.060
47.00	-17.26	-1.47	0.00	-134.51	0.00	134.51	2,169.32	1,084.66	2,709.45	1,338.10	1.15	-0.24	0.060
47.50	-17.17	-1.46	0.00	-133.78	0.00	133.78	2,165.72	1,082.86	2,697.90	1,332.39	1.17	-0.24	0.060
48.00	-17.08	-1.46	0.00	-133.05	0.00	133.05	2,162.11	1,081.06	2,686.36	1,326.69	1.20	-0.25	0.060
48.50	-16.99	-1.45	0.00	-132.32	0.00	132.32	2,158.50	1,079.25	2,674.83	1,321.00	1.22	-0.25	0.060
49.00	-16.89	-1.45	0.00	-131.59	0.00	131.59	2,154.87	1,077.43	2,663.31	1,315.31	1.25	-0.25	0.060
49.50	-16.80	-1.44	0.00	-130.87	0.00	130.87	2,151.23	1,075.61	2,651.80	1,309.62	1.28	-0.26	0.059
50.00	-16.71	-1.44	0.00	-130.15	0.00	130.15	2,147.58	1,073.79	2,640.30	1,303.95	1.30	-0.26	0.059
50.50	-16.62	-1.43	0.00	-129.43	0.00	129.43	2,143.92	1,071.96	2,628.81	1,298.27	1.33	-0.26	0.059
51.00	-16.53	-1.43	0.00	-128.71	0.00	128.71	2,140.25	1,070.13	2,617.34	1,292.60	1.36	-0.26	0.059
51.50	-16.44	-1.43	0.00	-128.00	0.00	128.00	2,136.57	1,068.29	2,605.87	1,286.94	1.38	-0.27	0.059
52.00	-16.34	-1.42	0.00	-127.28	0.00	127.28	2,132.88	1,066.44	2,594.42	1,281.29	1.41	-0.27	0.059
52.50	-16.25	-1.42	0.00	-126.57	0.00	126.57	2,129.18	1,064.59	2,582.98	1,275.64	1.44	-0.27	0.058
53.00	-16.16	-1.41	0.00	-125.86	0.00	125.86	2,125.47	1,062.73	2,571.55	1,269.99	1.47	-0.28	0.058
53.50	-16.07	-1.41	0.00	-125.16	0.00	125.16	2,121.75	1,060.87	2,560.13	1,264.35	1.50	-0.28	0.058
54.00	-15.98	-1.40	0.00	-124.45	0.00	124.45	2,118.01	1,059.01	2,548.72	1,258.72	1.53	-0.28	0.058
54.50	-15.89	-1.40	0.00	-123.75	0.00	123.75	2,114.27	1,057.14	2,537.32	1,253.09	1.56	-0.29	0.058
55.00	-15.80	-1.39	0.00	-123.05	0.00	123.05	2,110.52	1,055.26	2,525.94	1,247.47	1.59	-0.29	0.058
55.50	-15.71	-1.39	0.00	-122.36	0.00	122.36	2,106.75	1,053.38	2,514.57	1,241.85	1.62	-0.29	0.057
56.00	-15.62	-1.39	0.00	-121.66	0.00	121.66	2,102.98	1,051.49	2,503.21	1,236.24	1.65	-0.29	0.057
56.50	-15.53	-1.38	0.00	-120.97	0.00	120.97	2,099.20	1,049.60	2,491.86	1,230.64	1.68	-0.30	0.057
57.00	-15.44	-1.38	0.00	-120.28	0.00	120.28	2,095.40	1,047.70	2,480.53	1,225.04	1.71	-0.30	0.057
57.50	-15.35	-1.37	0.00	-119.59	0.00	119.59	2,091.60	1,045.80	2,469.21	1,219.45	1.74	-0.30	0.057
58.00	-15.26	-1.37	0.00	-118.90	0.00	118.90	2,087.78	1,043.89	2,457.90	1,213.86	1.78	-0.31	0.057

58.50	-15.17	-1.37	0.00	-118.22	0.00	118.22	2,083.96	1,041.98	2,446.60	1,208.28	1.81	-0.31	0.057
59.00	-15.08	-1.36	0.00	-117.53	0.00	117.53	2,080.12	1,040.06	2,435.32	1,202.71	1.84	-0.31	0.056
59.50	-14.99	-1.36	0.00	-116.85	0.00	116.85	2,076.27	1,038.14	2,424.04	1,197.14	1.87	-0.32	0.056
60.00	-14.90	-1.35	0.00	-116.18	0.00	116.18	2,072.41	1,036.21	2,412.79	1,191.58	1.91	-0.32	0.056
60.50	-14.81	-1.35	0.00	-115.50	0.00	115.50	2,068.55	1,034.27	2,401.54	1,186.03	1.94	-0.32	0.056
61.00	-14.72	-1.35	0.00	-114.82	0.00	114.82	2,064.67	1,032.33	2,390.31	1,180.48	1.97	-0.32	0.056
61.50	-14.63	-1.34	0.00	-114.15	0.00	114.15	2,060.78	1,030.39	2,379.09	1,174.94	2.01	-0.33	0.056
62.00	-14.54	-1.34	0.00	-113.48	0.00	113.48	2,056.88	1,028.44	2,367.88	1,169.41	2.04	-0.33	0.055
62.50	-14.45	-1.33	0.00	-112.81	0.00	112.81	2,052.97	1,026.49	2,356.69	1,163.88	2.08	-0.33	0.055
63.00	-14.36	-1.33	0.00	-112.14	0.00	112.14	2,049.05	1,024.53	2,345.51	1,158.36	2.11	-0.34	0.055
63.50	-14.27	-1.33	0.00	-111.48	0.00	111.48	2,045.12	1,022.56	2,334.35	1,152.85	2.15	-0.34	0.055
64.00	-14.19	-1.32	0.00	-110.81	0.00	110.81	2,041.18	1,020.59	2,323.20	1,147.34	2.18	-0.34	0.055
64.50	-14.10	-1.32	0.00	-110.15	0.00	110.15	2,037.23	1,018.62	2,312.06	1,141.84	2.22	-0.35	0.055
65.00	-14.01	-1.32	0.00	-109.49	0.00	109.49	2,033.27	1,016.64	2,300.94	1,136.35	2.26	-0.35	0.054
65.50	-13.92	-1.31	0.00	-108.83	0.00	108.83	2,029.30	1,014.65	2,289.83	1,130.86	2.29	-0.35	0.054
66.00	-13.83	-1.31	0.00	-108.18	0.00	108.18	2,025.32	1,012.66	2,278.74	1,125.38	2.33	-0.36	0.054
66.50	-13.74	-1.31	0.00	-107.52	0.00	107.52	2,021.33	1,010.66	2,267.65	1,119.91	2.37	-0.36	0.054
67.00	-13.66	-1.31	0.00	-106.87	0.00	106.87	2,016.97	1,008.48	2,256.19	1,114.25	2.41	-0.36	0.054
67.50	-13.57	-1.30	0.00	-106.21	0.00	106.21	2,011.16	1,005.58	2,243.13	1,107.80	2.44	-0.36	0.054
68.00	-13.48	-1.30	0.00	-105.56	0.00	105.56	2,005.34	1,002.67	2,230.12	1,101.37	2.48	-0.37	0.054
68.50	-13.39	-1.30	0.00	-104.91	0.00	104.91	1,999.53	999.77	2,217.14	1,094.96	2.52	-0.37	0.053
69.00	-13.31	-1.30	0.00	-104.26	0.00	104.26	1,993.72	996.86	2,204.19	1,088.57	2.56	-0.37	0.053
69.50	-13.22	-1.29	0.00	-103.62	0.00	103.62	1,987.91	993.96	2,191.29	1,082.20	2.60	-0.38	0.053
70.00	-13.10	-1.29	0.00	-102.97	0.00	102.97	1,982.10	991.05	2,178.42	1,075.84	2.64	-0.38	0.053
70.50	-12.98	-1.29	0.00	-102.32	0.00	102.32	1,976.29	988.14	2,165.59	1,069.51	2.68	-0.38	0.052
71.00	-12.86	-1.28	0.00	-101.68	0.00	101.68	1,970.48	985.24	2,152.80	1,063.19	2.72	-0.39	0.052
71.50	-12.74	-1.28	0.00	-101.04	0.00	101.04	1,964.67	982.33	2,140.05	1,056.89	2.76	-0.39	0.052
72.00	-12.62	-1.28	0.00	-100.40	0.00	100.40	1,958.85	979.43	2,127.34	1,050.61	2.80	-0.39	0.052
72.50	-12.51	-1.28	0.00	-99.76	0.00	99.76	1,953.04	976.52	2,114.66	1,044.35	2.84	-0.39	0.052
73.00	-12.43	-1.28	0.00	-99.12	0.00	99.12	1,947.23	973.62	2,102.02	1,038.11	2.88	-0.40	0.052
73.33	-12.39	-1.27	0.00	-98.70	0.00	98.70	1,943.40	971.70	2,093.70	1,034.00	2.91	-0.40	0.051
73.33	-12.39	-1.27	0.00	-98.70	0.00	98.70	1,943.40	971.70	2,093.70	1,034.00	2.91	-0.40	0.056
73.50	-12.31	-1.27	0.00	-98.48	0.00	98.48	1,473.96	736.98	1,624.57	802.32	2.92	-0.40	0.067
74.00	-12.24	-1.27	0.00	-97.85	0.00	97.85	1,471.41	735.71	1,616.97	798.56	2.97	-0.40	0.067
74.50	-12.17	-1.27	0.00	-97.21	0.00	97.21	1,468.85	734.43	1,609.36	794.80	3.01	-0.41	0.067
75.00	-12.09	-1.27	0.00	-96.57	0.00	96.57	1,466.28	733.14	1,601.77	791.05	3.05	-0.41	0.066
75.50	-12.02	-1.27	0.00	-95.94	0.00	95.94	1,463.70	731.85	1,594.18	787.30	3.10	-0.42	0.066
76.00	-11.95	-1.27	0.00	-95.30	0.00	95.30	1,461.11	730.55	1,586.59	783.56	3.14	-0.42	0.066
76.50	-11.87	-1.27	0.00	-94.67	0.00	94.67	1,458.51	729.25	1,579.01	779.81	3.18	-0.42	0.066
77.00	-11.80	-1.27	0.00	-94.03	0.00	94.03	1,455.89	727.95	1,571.44	776.07	3.23	-0.43	0.065
77.50	-11.73	-1.27	0.00	-93.39	0.00	93.39	1,453.27	726.64	1,563.87	772.34	3.27	-0.43	0.065
78.00	-11.65	-1.27	0.00	-92.76	0.00	92.76	1,450.64	725.32	1,556.31	768.60	3.32	-0.43	0.065
78.50	-11.58	-1.27	0.00	-92.12	0.00	92.12	1,447.99	724.00	1,548.75	764.87	3.36	-0.44	0.065
79.00	-11.51	-1.27	0.00	-91.49	0.00	91.49	1,445.34	722.67	1,541.20	761.14	3.41	-0.44	0.064
79.50	-11.43	-1.27	0.00	-90.85	0.00	90.85	1,442.68	721.34	1,533.65	757.41	3.46	-0.44	0.064
80.00	-11.36	-1.27	0.00	-90.21	0.00	90.21	1,440.00	720.00	1,526.12	753.69	3.50	-0.45	0.064
80.50	-11.29	-1.28	0.00	-89.58	0.00	89.58	1,437.32	718.66	1,518.59	749.97	3.55	-0.45	0.064
81.00	-11.22	-1.28	0.00	-88.94	0.00	88.94	1,434.62	717.31	1,511.06	746.26	3.60	-0.46	0.063
81.50	-11.14	-1.28	0.00	-88.30	0.00	88.30	1,431.91	715.96	1,503.54	742.54	3.65	-0.46	0.063
82.00	-11.07	-1.28	0.00	-87.66	0.00	87.66	1,429.20	714.60	1,496.03	738.83	3.69	-0.46	0.063
82.50	-11.00	-1.28	0.00	-87.02	0.00	87.02	1,426.47	713.23	1,488.53	735.13	3.74	-0.47	0.063
83.00	-10.93	-1.28	0.00	-86.38	0.00	86.38	1,423.73	711.87	1,481.03	731.43	3.79	-0.47	0.062
83.50	-10.86	-1.28	0.00	-85.74	0.00	85.74	1,420.98	710.49	1,473.54	727.73	3.84	-0.47	0.062
84.00	-10.78	-1.29	0.00	-85.10	0.00	85.10	1,418.23	709.11	1,466.06	724.03	3.89	-0.48	0.062
84.50	-10.71	-1.29	0.00	-84.45	0.00	84.45	1,415.46	707.73	1,458.58	720.34	3.94	-0.48	0.061
85.00	-10.64	-1.29	0.00	-83.81	0.00	83.81	1,412.68	706.34	1,451.11	716.65	3.99	-0.48	0.061
85.50	-10.57	-1.29	0.00	-83.16	0.00	83.16	1,409.89	704.94	1,443.65	712.97	4.04	-0.49	0.061
86.00	-10.50	-1.29	0.00	-82.52	0.00	82.52	1,407.09	703.54	1,436.20	709.28	4.09	-0.49	0.061
86.50	-10.42	-1.30	0.00	-81.87	0.00	81.87	1,404.28	702.14	1,428.75	705.61	4.15	-0.50	0.060
87.00	-10.35	-1.30	0.00	-81.22	0.00	81.22	1,401.46	700.73	1,421.32	701.93	4.20	-0.50	0.060
87.50	-10.28	-1.30	0.00	-80.57	0.00	80.57	1,398.63	699.31	1,413.89	698.26	4.25	-0.50	0.060
88.00	-10.21	-1.31	0.00	-79.92	0.00	79.92	1,395.79	697.89	1,406.46	694.60	4.30	-0.51	0.059
88.50	-10.14	-1.31	0.00	-79.27	0.00	79.27	1,392.93	696.47	1,399.05	690.94	4.36	-0.51	0.059
89.00	-10.07	-1.31	0.00	-78.61	0.00	78.61	1,390.07	695.04	1,391.64	687.28	4.41	-0.51	0.059

89.50	-10.00	-1.31	0.00	-77.96	0.00	77.96	1,387.20	693.60	1,384.25	683.63	4.46	-0.52	0.059
90.00	-9.93	-1.32	0.00	-77.30	0.00	77.30	1,384.32	692.16	1,376.86	679.98	4.52	-0.52	0.058
90.50	-9.86	-1.32	0.00	-76.64	0.00	76.64	1,381.42	690.71	1,369.48	676.33	4.57	-0.52	0.058
91.00	-9.78	-1.32	0.00	-75.98	0.00	75.98	1,378.52	689.26	1,362.10	672.69	4.63	-0.53	0.058
91.50	-9.71	-1.33	0.00	-75.32	0.00	75.32	1,375.61	687.80	1,354.74	669.06	4.68	-0.53	0.057
92.00	-9.64	-1.33	0.00	-74.66	0.00	74.66	1,372.68	686.34	1,347.39	665.42	4.74	-0.54	0.057
92.50	-9.57	-1.33	0.00	-73.99	0.00	73.99	1,369.75	684.87	1,340.04	661.80	4.80	-0.54	0.057
93.00	-9.50	-1.34	0.00	-73.33	0.00	73.33	1,366.80	683.40	1,332.70	658.17	4.85	-0.54	0.056
93.50	-9.43	-1.34	0.00	-72.66	0.00	72.66	1,363.85	681.92	1,325.38	654.55	4.91	-0.55	0.056
94.00	-9.36	-1.34	0.00	-71.99	0.00	71.99	1,360.88	680.44	1,318.06	650.94	4.97	-0.55	0.056
94.50	-9.29	-1.35	0.00	-71.32	0.00	71.32	1,357.90	678.95	1,310.75	647.33	5.02	-0.55	0.055
95.00	-9.22	-1.35	0.00	-70.65	0.00	70.65	1,354.92	677.46	1,303.45	643.72	5.08	-0.56	0.055
95.50	-9.15	-1.35	0.00	-69.97	0.00	69.97	1,351.92	675.96	1,296.16	640.12	5.14	-0.56	0.055
96.00	-9.08	-1.36	0.00	-69.30	0.00	69.30	1,348.91	674.46	1,288.88	636.53	5.20	-0.56	0.054
96.50	-9.01	-1.36	0.00	-68.62	0.00	68.62	1,345.89	672.95	1,281.61	632.94	5.26	-0.57	0.054
97.00	-8.94	-1.36	0.00	-67.94	0.00	67.94	1,342.86	671.43	1,274.35	629.35	5.32	-0.57	0.054
97.50	-8.87	-1.37	0.00	-67.26	0.00	67.26	1,339.82	669.91	1,267.09	625.77	5.38	-0.58	0.053
98.00	-8.80	-1.37	0.00	-66.57	0.00	66.57	1,336.78	668.39	1,259.85	622.19	5.44	-0.58	0.053
98.50	-8.73	-1.37	0.00	-65.89	0.00	65.89	1,333.72	666.86	1,252.62	618.62	5.50	-0.58	0.053
99.00	-8.67	-1.38	0.00	-65.20	0.00	65.20	1,330.65	665.32	1,245.40	615.06	5.56	-0.59	0.052
99.50	-8.60	-1.38	0.00	-64.51	0.00	64.51	1,327.57	663.78	1,238.19	611.50	5.62	-0.59	0.052
100.00	-8.53	-1.38	0.00	-63.82	0.00	63.82	1,324.47	662.24	1,230.99	607.94	5.69	-0.59	0.052
100.50	-8.46	-1.39	0.00	-63.13	0.00	63.13	1,321.37	660.69	1,223.80	604.39	5.75	-0.60	0.051
101.00	-8.39	-1.39	0.00	-62.44	0.00	62.44	1,318.26	659.13	1,216.62	600.84	5.81	-0.60	0.051
101.50	-8.32	-1.39	0.00	-61.74	0.00	61.74	1,315.14	657.57	1,209.45	597.30	5.87	-0.60	0.051
102.00	-8.25	-1.40	0.00	-61.05	0.00	61.05	1,312.01	656.00	1,202.30	593.77	5.94	-0.61	0.050
102.50	-8.18	-1.40	0.00	-60.35	0.00	60.35	1,308.86	654.43	1,195.15	590.24	6.00	-0.61	0.050
103.00	-8.11	-1.40	0.00	-59.65	0.00	59.65	1,305.71	652.86	1,188.02	586.72	6.06	-0.61	0.049
103.50	-8.05	-1.41	0.00	-58.95	0.00	58.95	1,302.55	651.27	1,180.89	583.20	6.13	-0.62	0.049
104.00	-7.98	-1.41	0.00	-58.24	0.00	58.24	1,299.37	649.69	1,173.78	579.69	6.19	-0.62	0.049
104.50	-7.91	-1.41	0.00	-57.54	0.00	57.54	1,296.19	648.09	1,166.68	576.18	6.26	-0.62	0.048
105.00	-7.84	-1.41	0.00	-56.83	0.00	56.83	1,292.99	646.50	1,159.59	572.68	6.32	-0.63	0.048
105.50	-7.77	-1.42	0.00	-56.13	0.00	56.13	1,289.88	644.49	1,151.78	568.82	6.39	-0.63	0.047
106.00	-7.71	-1.42	0.00	-55.42	0.00	55.42	1,284.33	642.16	1,143.44	564.70	6.46	-0.63	0.047
106.50	-7.64	-1.42	0.00	-54.71	0.00	54.71	1,279.68	639.84	1,135.13	560.60	6.52	-0.64	0.047
107.00	-7.57	-1.42	0.00	-54.00	0.00	54.00	1,275.03	637.51	1,126.85	556.51	6.59	-0.64	0.046
107.50	-7.50	-1.43	0.00	-53.29	0.00	53.29	1,270.38	635.19	1,118.60	552.44	6.66	-0.64	0.046
108.00	-7.43	-1.43	0.00	-52.57	0.00	52.57	1,265.73	632.87	1,110.38	548.38	6.73	-0.65	0.046
108.50	-7.37	-1.43	0.00	-51.86	0.00	51.86	1,261.08	630.54	1,102.19	544.33	6.79	-0.65	0.045
109.00	-7.30	-1.43	0.00	-51.14	0.00	51.14	1,256.43	628.22	1,094.04	540.30	6.86	-0.65	0.045
109.50	-7.23	-1.43	0.00	-50.43	0.00	50.43	1,251.78	625.89	1,085.91	536.29	6.93	-0.66	0.044
110.00	-7.18	-1.44	0.00	-49.71	0.00	49.71	1,247.14	623.57	1,077.81	532.29	7.00	-0.66	0.044
110.50	-7.12	-1.44	0.00	-48.99	0.00	48.99	853.24	426.62	741.79	366.34	7.00	-0.66	0.000
111.00	-7.07	-1.44	0.00	-48.27	0.00	48.27	851.46	425.73	737.46	364.21	7.07	-0.66	0.061
111.50	-7.01	-1.44	0.00	-47.55	0.00	47.55	849.67	424.84	733.15	362.07	7.14	-0.67	0.061
112.00	-6.96	-1.44	0.00	-46.84	0.00	46.84	847.87	423.94	728.83	359.94	7.21	-0.67	0.060
112.50	-6.90	-1.44	0.00	-46.12	0.00	46.12	846.07	423.03	724.52	357.81	7.28	-0.68	0.059
113.00	-6.84	-1.44	0.00	-45.39	0.00	45.39	844.25	422.12	720.21	355.68	7.35	-0.68	0.059
113.50	-6.79	-1.44	0.00	-44.67	0.00	44.67	842.42	421.21	715.90	353.56	7.42	-0.68	0.058
114.00	-6.73	-1.44	0.00	-43.95	0.00	43.95	840.58	420.29	711.60	351.43	7.49	-0.69	0.057
114.50	-6.68	-1.44	0.00	-43.23	0.00	43.23	838.73	419.36	707.30	349.31	7.57	-0.69	0.057
115.00	-6.62	-1.44	0.00	-42.51	0.00	42.51	836.87	418.43	703.00	347.19	7.64	-0.70	0.056
115.50	-6.57	-1.44	0.00	-41.79	0.00	41.79	834.99	417.50	698.71	345.06	7.71	-0.70	0.055
116.00	-6.52	-1.44	0.00	-41.06	0.00	41.06	833.11	416.56	694.42	342.95	7.79	-0.70	0.054
116.50	-6.48	-1.44	0.00	-40.34	0.00	40.34	831.22	415.61	690.13	340.83	7.86	-0.71	0.054
116.50	-6.48	-1.44	0.00	-40.34	0.00	40.34	829.32	414.66	685.85	338.71	7.94	-0.71	0.053
117.00	-6.45	-1.44	0.00	-39.62	0.00	39.62	829.32	414.66	685.85	338.71	7.94	-0.71	0.127
117.50	-6.42	-1.44	0.00	-38.90	0.00	38.90	827.41	413.70	681.57	336.60	8.01	-0.72	0.126
118.00	-6.39	-1.44	0.00	-38.18	0.00	38.18	825.48	412.74	677.29	334.49	8.09	-0.72	0.124
118.50	-6.35	-1.45	0.00	-37.45	0.00	37.45	823.55	411.77	673.02	332.38	8.16	-0.73	0.123
119.00	-6.32	-1.45	0.00	-36.73	0.00	36.73	821.61	410.80	668.75	330.27	8.24	-0.74	0.121
119.50	-6.29	-1.45	0.00	-36.01	0.00	36.01	819.65	409.83	664.49	328.17	8.32	-0.75	0.120
120.00	-6.26	-1.44	0.00	-35.29	0.00	35.29	817.69	408.84	660.23	326.06	8.40	-0.76	0.118
							815.71	407.86	655.98	323.96	8.48	-0.77	0.117

120.50	-6.22	-1.44	0.00	-34.56	0.00	34.56	813.73	406.86	651.73	321.87	8.56	-0.78	0.115
121.00	-6.19	-1.44	0.00	-33.84	0.00	33.84	811.73	405.86	647.49	319.77	8.64	-0.79	0.113
121.50	-6.16	-1.44	0.00	-33.12	0.00	33.12	809.72	404.86	643.25	317.68	8.72	-0.80	0.112
122.00	-6.13	-1.44	0.00	-32.40	0.00	32.40	807.71	403.85	639.01	315.58	8.81	-0.80	0.110
122.50	-6.10	-1.44	0.00	-31.68	0.00	31.68	805.68	402.84	634.78	313.49	8.89	-0.81	0.109
123.00	-6.06	-1.44	0.00	-30.95	0.00	30.95	803.64	401.82	630.56	311.41	8.98	-0.82	0.107
123.50	-6.03	-1.44	0.00	-30.23	0.00	30.23	801.59	400.80	626.34	309.32	9.06	-0.83	0.105
124.00	-6.00	-1.44	0.00	-29.51	0.00	29.51	799.54	399.77	622.12	307.24	9.15	-0.84	0.104
124.50	-5.97	-1.44	0.00	-28.79	0.00	28.79	797.47	398.73	617.91	305.16	9.24	-0.84	0.102
125.00	-5.94	-1.44	0.00	-28.08	0.00	28.08	795.39	397.69	613.71	303.09	9.33	-0.85	0.100
125.50	-5.91	-1.43	0.00	-27.36	0.00	27.36	793.30	396.65	609.51	301.01	9.42	-0.86	0.098
126.00	-5.87	-1.43	0.00	-26.64	0.00	26.64	791.20	395.60	605.32	298.94	9.51	-0.87	0.097
126.50	-5.84	-1.43	0.00	-25.92	0.00	25.92	789.09	394.54	601.13	296.88	9.60	-0.88	0.095
127.00	-5.81	-1.43	0.00	-25.21	0.00	25.21	786.97	393.48	596.95	294.81	9.69	-0.88	0.093
127.50	-5.78	-1.43	0.00	-24.49	0.00	24.49	784.84	392.42	592.78	292.75	9.78	-0.89	0.091
128.00	-5.75	-1.42	0.00	-23.78	0.00	23.78	782.69	391.35	588.61	290.69	9.88	-0.90	0.089
128.50	-5.72	-1.42	0.00	-23.07	0.00	23.07	780.54	390.27	584.44	288.64	9.97	-0.90	0.087
129.00	-5.69	-1.42	0.00	-22.36	0.00	22.36	778.38	389.19	580.29	286.58	10.07	-0.91	0.085
129.50	-5.66	-1.42	0.00	-21.65	0.00	21.65	776.21	388.10	576.14	284.53	10.16	-0.92	0.083
130.00	-5.63	-1.41	0.00	-20.94	0.00	20.94	774.02	387.01	572.00	282.49	10.26	-0.93	0.081
130.50	-5.60	-1.41	0.00	-20.23	0.00	20.23	771.83	385.91	567.86	280.44	10.36	-0.93	0.079
131.00	-3.34	-1.12	0.00	-19.53	0.00	19.53	769.63	384.81	563.73	278.40	10.45	-0.94	0.074
131.50	-3.31	-1.12	0.00	-18.97	0.00	18.97	767.41	383.71	559.60	276.37	10.55	-0.94	0.073
132.00	-3.29	-1.12	0.00	-18.41	0.00	18.41	765.19	382.59	555.49	274.33	10.65	-0.95	0.071
132.50	-3.26	-1.11	0.00	-17.85	0.00	17.85	762.95	381.48	551.38	272.31	10.75	-0.96	0.070
133.00	-3.24	-1.11	0.00	-17.29	0.00	17.29	760.71	380.35	547.28	270.28	10.85	-0.96	0.068
133.50	-3.21	-1.11	0.00	-16.74	0.00	16.74	758.45	379.23	543.18	268.26	10.95	-0.97	0.067
134.00	-3.18	-1.10	0.00	-16.18	0.00	16.18	756.18	378.09	539.09	266.24	11.06	-0.97	0.065
134.50	-3.16	-1.10	0.00	-15.63	0.00	15.63	753.91	376.95	535.01	264.22	11.16	-0.98	0.063
135.00	-3.13	-1.09	0.00	-15.08	0.00	15.08	751.62	375.81	530.94	262.21	11.26	-0.99	0.062
135.50	-3.10	-1.09	0.00	-14.54	0.00	14.54	749.32	374.66	526.87	260.20	11.37	-0.99	0.060
136.00	-3.08	-1.09	0.00	-13.99	0.00	13.99	747.01	373.51	522.82	258.20	11.47	-1.00	0.058
136.50	-3.05	-1.08	0.00	-13.45	0.00	13.45	744.70	372.35	518.77	256.20	11.57	-1.00	0.057
137.00	-3.03	-1.08	0.00	-12.91	0.00	12.91	742.37	371.18	514.72	254.20	11.68	-1.01	0.055
137.50	-3.00	-1.07	0.00	-12.37	0.00	12.37	740.03	370.01	510.69	252.21	11.78	-1.01	0.053
138.00	-2.98	-1.07	0.00	-11.83	0.00	11.83	737.68	368.84	506.66	250.22	11.89	-1.02	0.051
138.50	-2.95	-1.06	0.00	-11.30	0.00	11.30	735.32	367.66	502.65	248.24	12.00	-1.02	0.050
139.00	-2.92	-1.06	0.00	-10.77	0.00	10.77	732.95	366.47	498.64	246.26	12.10	-1.03	0.048
139.50	-2.90	-1.05	0.00	-10.24	0.00	10.24	730.57	365.28	494.64	244.28	12.21	-1.03	0.046
140.00	-2.87	-1.04	0.00	-9.72	0.00	9.72	728.18	364.09	490.64	242.31	12.32	-1.03	0.044
140.50	-2.85	-1.04	0.00	-9.20	0.00	9.20	725.44	362.72	486.44	240.23	12.43	-1.04	0.042
141.00	-2.77	-1.02	0.00	-8.68	0.00	8.68	721.95	360.98	481.74	237.92	12.54	-1.04	0.040
141.50	-2.75	-1.01	0.00	-8.17	0.00	8.17	718.47	359.23	477.08	235.61	12.65	-1.04	0.038
142.00	-2.72	-1.01	0.00	-7.66	0.00	7.66	714.98	357.49	472.43	233.32	12.76	-1.05	0.037
142.50	-2.70	-1.00	0.00	-7.16	0.00	7.16	711.49	355.75	467.81	231.03	12.87	-1.05	0.035
143.00	-2.68	-1.00	0.00	-6.66	0.00	6.66	708.01	354.00	463.21	228.76	12.98	-1.05	0.033
143.50	-2.65	-0.99	0.00	-6.16	0.00	6.16	704.52	352.26	458.63	226.50	13.09	-1.06	0.031
144.00	-2.63	-0.98	0.00	-5.66	0.00	5.66	701.03	350.52	454.07	224.25	13.20	-1.06	0.029
144.50	-2.61	-0.98	0.00	-5.17	0.00	5.17	697.55	348.77	449.54	222.01	13.31	-1.06	0.027
145.00	-2.59	-0.97	0.00	-4.68	0.00	4.68	694.06	347.03	445.03	219.78	13.42	-1.07	0.025
145.50	-2.56	-0.96	0.00	-4.20	0.00	4.20	690.57	345.29	440.55	217.57	13.53	-1.07	0.023
146.00	-2.54	-0.96	0.00	-3.72	0.00	3.72	687.09	343.54	436.08	215.36	13.64	-1.07	0.021
146.50	-2.52	-0.95	0.00	-3.24	0.00	3.24	683.60	341.80	431.64	213.17	13.76	-1.07	0.019
147.00	-2.50	-0.94	0.00	-2.77	0.00	2.77	680.11	340.06	427.22	210.99	13.87	-1.07	0.017
147.50	-2.48	-0.93	0.00	-2.30	0.00	2.30	676.63	338.31	422.83	208.82	13.98	-1.07	0.015
148.00	-2.45	-0.93	0.00	-1.83	0.00	1.83	673.14	336.57	418.45	206.66	14.09	-1.08	0.013
148.50	-2.43	-0.92	0.00	-1.37	0.00	1.37	669.65	334.83	414.10	204.51	14.21	-1.08	0.010
149.00	-2.41	-0.91	0.00	-0.91	0.00	0.91	666.16	333.08	409.78	202.37	14.32	-1.08	0.008
149.50	-2.39	-0.90	0.00	-0.45	0.00	0.45	662.68	331.34	405.47	200.25	14.43	-1.08	0.006
150.00	0.00	-0.86	0.00	0.00	0.00	0.00	659.19	329.60	401.19	198.13	14.55	-1.08	0.000

Site Number: 302494

Code: ANSI/TIA-222-G

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Site Name: Hddm - Haddam, CT

Engineering Number: OAA712589_C3_02

9/21/2017 9:06:18 AM

Customer: SPRINT NEXTEL

Analysis Summary

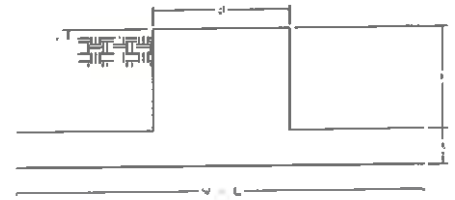
Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	21.05	0.00	38.66	0.00	0.00	2160.88	116.50	0.74
0.9D + 1.6W	20.09	0.00	28.99	0.00	0.00	2029.51	116.50	0.71
1.2D + 1.0Di + 1.0Wi	4.24	0.00	61.36	0.00	0.00	472.69	116.50	0.20
(1.2 + 0.2Sds) * DL + E ELFM	1.25	0.00	39.72	0.00	0.00	157.64	116.50	0.07
(1.2 + 0.2Sds) * DL + E EMAM	1.86	0.00	39.72	0.00	0.00	218.89	116.50	0.13
(0.9 - 0.2Sds) * DL + E ELFM	1.25	0.00	27.68	0.00	0.00	154.47	116.50	0.06
(0.9 - 0.2Sds) * DL + E EMAM	1.86	0.00	27.68	0.00	0.00	214.14	116.50	0.13
1.0D + 1.0W	4.43	0.00	32.22	0.00	0.00	450.49	116.50	0.17

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	342.3	6.2	25.3	0.0	25.3	0	0	0.0	25.3	0	0	348.2	482.5	0.722
36.6	73.3	(3) PL-PL 6 x 1.25	352.1	6.3	25.3	0.0	25.3	0	0	0.0	25.3	0	0	296.5	413.6	0.717
73.3	110.	(3) PL-PL 5" x 1.25"	373.5	6.7	25.3	0.0	25.3	0	0	0.0	25.3	0	0	223.6	344.6	0.649
110.	116.	(3) PL-PL 4 x 1.25	387.4	7.0	25.3	106.0	25.3	5	6	0.0	25.3	0	0	128.0	275.7	0.464

Site Name: Hddm-Haddam, CT
 Site Number: 302494
 Engineering Number: OAA712589
 Engineer: Jordan.Russ
 Date: 09/21/17
 Tower Type: MP

Program Last Updated: 5/13/2014



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

Design / Analysis / Mapping:

Compression/Leg:	0.0 k
Uplift/Leg:	0.0 k
Total Shear:	21.1 k
Moment:	2160.9 k-ft
Tower + Appurtenance Weight:	38.7 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

Overturning Moment Usage

Design OTM:	2291.4 k-ft
OTM Resistance:	2673.7 k-ft
Design OTM / OTM Resistance:	0.86 Result: OK

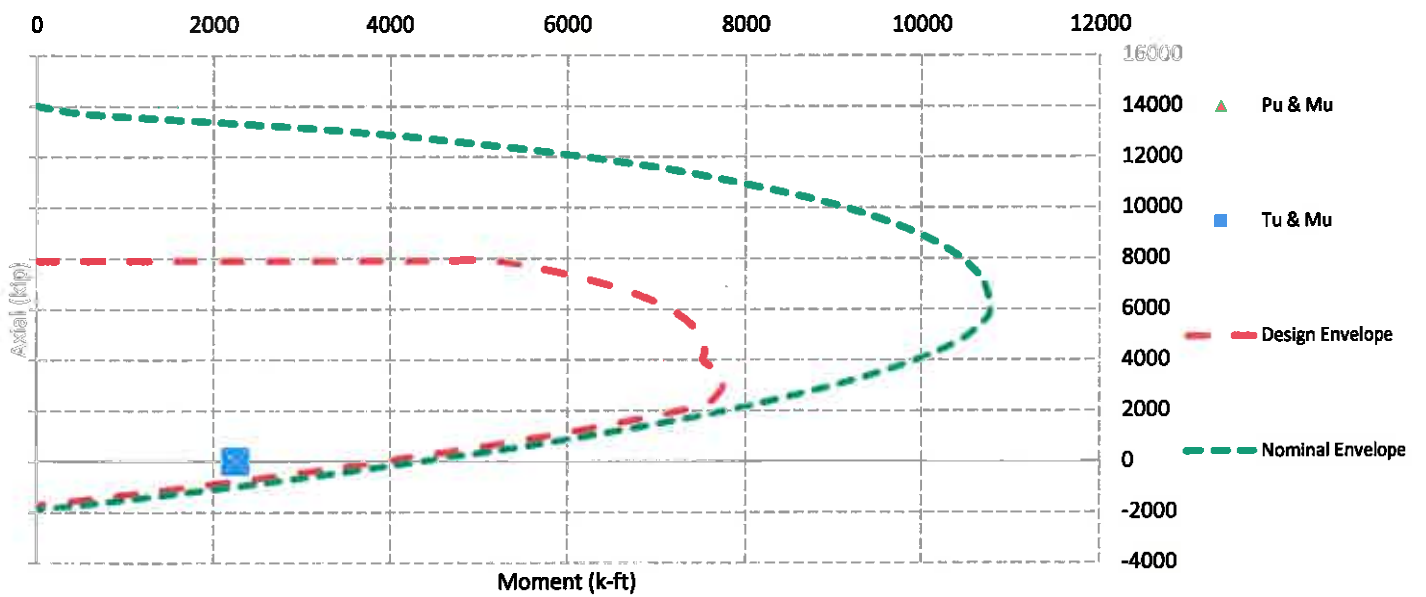
Soil Bearing Pressure Usage

Net Bearing Pressure:	3351 psf
Factored Nominal Bearing Pressure:	7950 psf
Net Bearing Pressure/Factored Nominal Bearing Pressure:	0.42 Result: OK
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge

Sliding Factor of Safety

Total Factored Sliding Resistance:	201.3 k
Sliding Design / Sliding Resistance:	0.10 Result: OK

Nominal and Design Moment Capacity and Factored Design Loads



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	588.91 k-in
	Stiffeners	#
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	44 in
	(R)adial / (S)quare	S
	Bolt Gap	6 in
	Diameter	2.25 in
	Hole Diameter	2.625 in
	Type	A615-75
	Fy	75 ksi
	Fu	100 ksi
	ϕ_s Resistance	259.82 k
Applied	174.75 k	

Reinforcement	#	0
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Extra Bolts O	#	4
	Bolt Circle	52.67 in
	(R)adial / (S)quare	R
	Offset Angle	0°
	Diameter	2.25 in
	Type	A615-75
	Fy	75 ksi
	Fu	100 ksi
ϕ_s Resistance	259.82 k	
Applied	214.97 k	

Code Rev. **G**

Date **9/21/2017**
 Engineer **Jordan.Russ**
 Site # **302494**
 Carrier **SPRINT NEXTEL**

Moment **2160.9 k-ft**
 Axial **38.7 k**

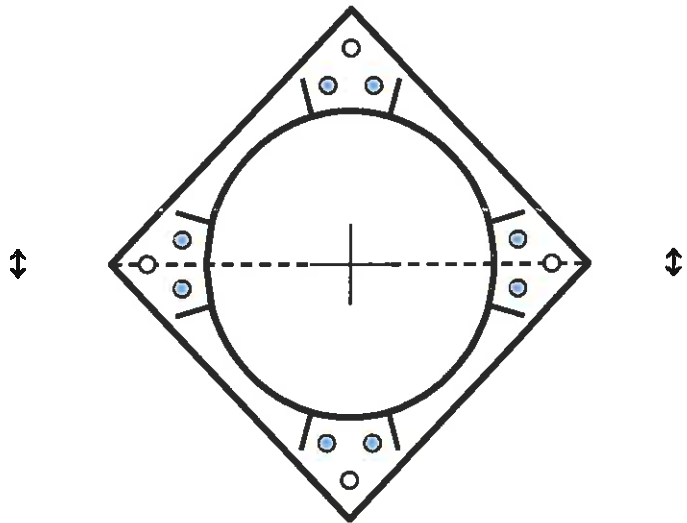


Plate Stress Ratio:
0.27 (Pass)

Bolt Stress Ratio:
0.67 (Pass)

Extra Bolt Stress Ratio:
0.83 (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	67.07 k-in
	Stiffeners	#
Thickness		0.5 in
Length		2.5 in
Height		5 in
Chamfer		0 in
Offset Angle		0°
Fy		36 ksi

Code Rev. **G**

Moment **319.1 k-ft**

Axial **9.0 k**

Date **9/21/2017**

Engineer **Jordan.Russ**

Site # **302494**

Carrier **SPRINT NEXTEL**

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	48.78 k
Reinforcement	#	0
Extra Bolts	#	0

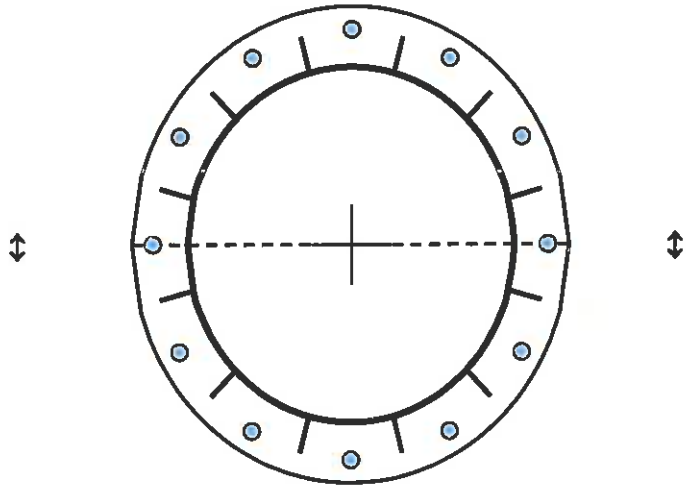


Plate Stress Ratio: **0.32** (Pass)

Bolt Stress Ratio: **0.71** (Pass)